Revised and Extended Third Quarter 2024 Groundwater Monitoring and Operations & 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

January 07, 2025

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Agreed Order No. DE 11313
Facility Site I.D. No. 2070
GHD Project No. 12632944

Rosemary Bier
Project Engineer
+1 206 802-1595
rosemary.bier@ghd.com

Fabio M. Minervini, P.G.
Project Manager
+1 949 648-5270
fabio.minervini@ghd.com

Guy Graening, P.E.
Senior Engineer
+1 916 245-4225
guy.graening@ghd.com

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GHD

9725 3rd Avenue NE, Suite 204

Seattle, Washington 98115, United States

T +1 425 563 6500 | **F** +1 425 563 6599 | **E** info-northamerica@ghd.com | **ghd.com**

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Author	Abigail Palmgren
Project manager	Fabio Minervini
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1. Introduction

GHD has prepared this *Revised and Extended Third Quarter 2024 Groundwater Monitoring and Operations & Maintenance Report* (Revised 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). This Revised Report was prepared at the request of the Washington State Department of Ecology (Ecology) and in response to the email correspondence dated November 22, 2024, requesting additional documentation and/or revisions to the third quarter 2024 report (Ecology's Email). A copy of Ecology's Email is included as Appendix A.

On September 28, 2015, ExxonMobil, P66, and Ecology entered into an Agreed Order (DE 11313) to implement remedial actions presented in the *Final Cleanup Action Report* (CAP). The remedial actions included installation of a new dual-phase extraction (DPE) system 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. Since February 28, 2019, groundwater has been 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 Revised Report is to present the additional activities, with backup documentation, conducted at the Site during the third quarter 2024, including some activities performed through November 19, 2024, related to the June 10, 2024, discovery of light non-aqueous phase liquid (LNAPL) in wells DPE-7, DPE-8, and DPE-11. Groundwater monitoring and remediation well locations are shown 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, 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. The sediment filter bags were reintroduced in August 2024 to increase longevity of the system piping and granulated activated carbon (GAC) within the carbon vessels.

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, manually 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 third quarter 2024, the DPE system operated for approximately 1,435 hours out of a possible 2,208 hours between July 1, 2024, and September 30, 2024, with an up-time of approximately 65%. The following are the notable system shutdowns accounting for approximately 763 hours of down-time (286 hours planned; 477 hours unplanned) that occurred during the reporting period:

- July 5 to 17, 2024: unplanned shutdown due to a high-high temperature switch alarm in the blower shed from clogged blower inlet screens and high ambient temperatures. Subsequently discovered malfunctioning system air pressure switch on the oxidizer, which was replaced prior to restarting
- July 19 to 22, 2024: unplanned shutdown due to a high-high temperature switch alarm in the blower shed from high ambient temperatures. Increased the set point by 5 degrees Fahrenheit (degF)
- July 26 to August 7, 2024: planned shutdown due to a cracked pipe in the SVE line at inactive compressor station #2. Cut and capped the Zone 3 header at the main compound
- August 21 to 22, 2024: unplanned shutdown due to high pressure switch alarm between the silt filters and the first carbon vessel due to biofouling in the groundwater influent. Reintroduced silt filters prior to restarting.
- September 5, 2024: planned shutdown for a filter bag changeout
- September 6 to 10, 2024: unplanned shutdown due to a high-high temperature switch alarm in the blower shed from high ambient temperatures. Restarted system after ambient temperatures decreased. Plan to replace screens in the blower shed.

During the third quarter 2024, the system processed groundwater, soil vapor, and LNAPL extracted from a combination of six remediation wells: DPE-32, DPE-35, DPE-36, DPE-41, DPE-54, and EX-1. Wells were brought on and offline as needed to optimize system operations. The active remediation well locations are shown on Figure 2B. Groundwater extraction (GWE) system sampling analytical data are summarized in Table 1 and GWE system operational data are presented in Table 2. Soil vapor extraction (SVE) system sampling analytical data are summarized in Table 3 and SVE system operational data are presented in Table 4.

Subsequent to the June 10, 2024, discovery of LNAPL in three wells in the area of Tank No. 2 (DPE-7, DPE-8, and DPE-11) within the tank farm, the SVE portion of the DPE remediation system was resumed on wells DPE-8 and DPE-11 on October 1, 2024, and on well DPE-7 on October 15, 2024.

3. Extended Third Quarter 2024 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 and servicing of well pumps
- Air compressor maintenance
- Blower maintenance
- Cleaning of SVE blower inlet screens

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

- Inspecting the tank farm SVE lines to prepare to bring wells DPE-7, DPE-8, and DPE-11 back into operation after LNAPL was discovered in wells.
- Cutting and capping of the Zone 3 SVE header to prevent dilution of extracted soil vapors.
- Reintroduction of filter bags to the filter housing to prevent bacterial iron fouling in the process piping, GAC vessels, and effluent line.

3.1 Interim Response and Corrective Action to LNAPL Discovery - Through November 19, 2024

In response to the June 10, 2024, discovery of LNAPL in wells DPE-7, DPE-8, and DPE-11, located within the tank farm, the following response and mitigating measures were implemented and are currently ongoing, as applicable. The activities that occurred through September 20, 2024, were reported to Ecology by P66 in the email dated September 23, 2024, and are summarized below. A copy of the email is provided in Appendix B. Additional activities related to the investigation of the potential new release and not previously reported, some of which extend beyond the end of the third quarterly reported period, are also summarized below and pertinent documentation is enclosed as appendices to this report.

- On June 25, 2024, GHD began weekly gauging of wells DPE-7, DPE-8, and DPE-11, where LNAPL was recorded, in addition to other wells in the vicinity and within the tank farm: DPE-3, DPE-6, DPE-9, DPE 10, and DPE-12. Except for DPE-7, DPE-8, and DPE-11, no LNAPL has been recorded in any other well gauged in the tank farm area. LNAPL gauging data through November 19, 2024, is presented in Table 5.
- Starting on June 25, 2024, GHD also began periodic bailout of the three wells containing LNAPL (DPE-7, DPE-8, and DPE-11), which lasted through September 2024. The LNAPL thickness decreased significantly after the first and/or second bailout in each of the three wells and did not recharge to any significant thickness thereafter (Table 5).
- LNAPL samples were collected for laboratory analysis and forensic fingerprinting in attempt to evaluate the potential age of the LNAPL discovered in the wells. LNAPL samples from wells DPE-7, DPE-8, and DPE-11 were collected by GHD on June 27, 2024, and sent to Friedman & Bruya, Inc. Environmental Chemists (Friedman & Bruya) for analysis; the laboratory analytical report is included as Appendix C. Additional LNAPL samples were collected by GHD from the same wells on July 12, 2024, and sent to the Phillips 66 Research Center in Bartlesville, Oklahoma, a P66 in-house analytical laboratory. Results of the analyses performed by P66 were not reported to GHD and are not available at this time.

  Chromatograms for the analysis performed by Friedman & Bruya on samples DPE-7 and DPE-8 (there was not enough LNAPL recovered to analyze the sample from DPE-11) suggest that the LNAPL present in the wells "indicate the presence of a low boiling product, such as gasoline. The pattern of peaks associated with the samples shows that the gasoline has not undergone significant evaporative or biological weathering" (Appendix C). However, an exact age of the LNAPL could not be determined by the laboratory that analyzed the LNAPL.
- In effort to evaluate if the occurrence of LNAPL in multiple wells within the tank farm area could be attributed to a new release, and based on the locations of the wells containing LNAPL and the lack of subsurface infrastructure in the vicinity, P66 determined that the only viable source for the LNAPL, if it was a new release, would be from Tank No. 2. Therefore, to further investigate the potential active release, on August 27, 2024, P66 assessed the conditions of the interstitial space between Tank No. 2 double bottom.

  The investigation consisted of the following activities: installing leak-detection ports, vacuuming out the interstitial space, collecting vapor readings, and reviewing tank throughput values. A photolog of the investigation activities, including the approximate locations of the leak-detection ports, is provided in Appendix D and details are described below.

  - At four quadrants in the interstitial space of Tank No. 2, pilot holes were tapped via 1/8-inch drill bit and reamed to allow for the installation of ¾-inch leak-detection ports with ¼-inch ball valves.

- A 1-inch hose from the vac truck was placed at the opening to attempt to pull any liquids or vapors towards tap points.
- Vapor readings were collected using a 4-gas meter, photoionization detector (PID), and/or organic vapor analyzer (OVA).
- P66 operations reviewed liquid volume and flow values of product entering and leaving the tank.

There was no visual evidence of a release or free liquid/product identified during the investigation and field screening of the vapors from the interstitial space between Tank No. 2 double bottom did not indicate a leak. In addition, tank throughput values were also reviewed and no evidence of an active release was found according to product inventory. Based on the results of the investigation it was concluded that there is no reason to suspect that the integrity of Tank No. 2 is compromised. Therefore, in the email dated September 23, 2024, P66 indicated that a new release from Tank No. 2 had not occurred, but rather the recurring LNAPL discovered within the tank farm was “pockets” of residual LNAPL from the release that occurred in that area in 2002 that may had mobilized due to groundwater elevation fluctuations. The lack of significant LNAPL recharge in the wells after the first couple of bailing events supports this evidence (Appendix C).

- To further mitigate the newly discovered occurrence of LNAPL in the tank farm area, the SVE portion of the DPE remediation system was resumed on wells DPE-8 and DPE-11 on October 1, 2024, and on well DPE-7 on October 15, 2024. The SVE portion of the DPE has been operating since its restart in October 2024. Between the restart of the SVE activities and November 19, 2024, volatile organic compound (VOC) vapor concentrations at the SVE system influent have decreased from 148 to 0.7 parts per million by volume (ppmv) in DPE-7; from 424 to 7.3 ppmv in DPE-8; and from 112 to 2.7 ppmv in DPE-11. The combined flowrate from these three wells has averaged approximately 160 standard cubic feet per minute (scfm) and the applied vacuum at each well has averaged approximately 1 inch of mercury (in Hg). The applied vacuum has been kept low in order to prevent groundwater mounding and submergence of the screen, as groundwater extraction is currently not being performed at these wells. It is estimated that the vapor phase mass removal rate from the tank farm wells was approximately 50 pounds per day (lbs/day) during the initial hour of startup of DPE-8 and DPE-11, decreased to approximately 15 lbs/day a few hours after startup, and as of November 19, 2024, was averaging 2 lbs/day from the three wells. The total mass removal rate accounting for soil vapor from all SVE operational wells at the Site is currently averaging 13 lbs/day.
- Passive skimmers for the recovery of the LNAPL in tank farm wells DPE-7, DPE-8, and/or DPE-11 were not installed, in favor of restarting the SVE on those three wells. However, passive skimmers were installed in wells DPE-25 and DPE-26, located at the northern boundary of the Site and containing LNAPL, while temporarily down and off-line the DPE system, pending replacement of cracked hoses.

In summary, based on the information we have collected and described above, the most likely source of the LNAPL that was reported in June 2024 within the tank farm area is the historical release that occurred in 2002. This could have potentially been a “pocket” of LNAPL that was mobilized due to groundwater elevation fluctuations throughout the “rainy” and “dry” seasons. GHD will continue monitoring LNAPL and dissolved conditions in groundwater beneath the tank farm area, as well as operation of the SVE on wells DPE-7, DPE-8, and DPE-11. Additional mitigation measures may be proposed and/or implemented, if warranted or upon further discussion with Ecology.

4. Summary of Compliance Sampling - Third Quarter 2024

The King County Wastewater Treatment Division (King County) discharge permit for the DPE system requires monthly compliance sampling and reporting. Monthly treated water effluent compliance samples were collected during this operational period on July 22, August 13, and September 10, 2024. 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 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 E. 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 July, August, and September 2024 King County Industrial Waste Monthly Self-Monitoring Reports are presented in Appendix F.

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 July 22, August 13, and September 10, 2024. Laboratory analytical reports are presented in Appendix E. Results of analyses of oxidizer effluent samples collected during this reporting period demonstrate compliance with PSCAA permit requirements. PSCAA permit air compliance sampling and analytical data are summarized in 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 (ppmv).

5. Summary of System Performance - Third Quarter 2024

Total combined LNAPL, groundwater dissolved phases, and vapor phase petroleum hydrocarbons mass removal by the DPE system during this reporting period was approximately 395 pounds. Third quarter 2024 the calculated mass removal was slight lower than the second quarter 2024 mass removal of 437 pounds; however, the mass removed in the form of LNAPL was not accounted for because it could not be determined due to a malfunction of the skimmer in the OWS, which caused water to enter the temporary holding tank PST-5201. Due to aforementioned issue with the skimmer in the OWS the amount of LNAPL removed could not be measured; therefore, the mass removed could not be calculated. The dissolved phase mass removal decreased from 158 pounds to 67 pounds, and vapor phase mass removal increased from 70 pounds to 328 pounds. 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 third quarter, measurable LNAPL continued to decrease from its historical thickness in extraction wells. Approximately 17% was recovered from the phase dissolved in groundwater, and 83% was recovered from the soil vapor phase. The hydrocarbon mass removed in the form of LNAPL was not calculated for the reason detailed above. Active and inactive extraction wells with historical measurable LNAPL detected during groundwater monitoring activities were gauged periodically for the presence of LNAPL during the third quarter 2024, the frequency of the gauging depended on the well and the historical and recent presence of LNAPL in it. Historical LNAPL measurements are presented in Table 5 and the thicknesses recorded during the third quarter 2024 are as follows: DPE-7 (0.01 to 0.35 feet), DPE-8 (0.07 to 0.82 feet), DPE-11 (0.01 to 0.31 feet), DPE-25 (0.03 feet), DPE-26 (0.46 to 0.50 feet), DPE-32 (0.05 feet), DPE-35 (0.05 to 0.06 feet), DPE-36 (0.02 to 0.43 feet), DPE-40 (0.14 feet), DPE-41 (0.16 feet), DPE-54 (0.22 to 0.66 feet), and DPE-56 (0.02 feet). The total volume of LNAPL removed and related mass could not be calculated due to equipment malfunction. 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 September 30, 2024, are shown graphically on Figure 5, although 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 outside of 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
Third Quarter 2024 Operation (Using lab data from July 22, 2024, to September 10, 2024)	682,330[1]	Undetermined[2]	67	328	395
Cumulative Operation (May 8, 2015, to September 30, 2024*	17,311,738[3]	52,318[4]	6,898	114,697	173,913

[1]Totalizer readings are from July 1 through September 30, 2024
[2]Pounds of LNAPL Removed from July 2 through September 26, 2024
[3]Totalizer readings are from May 8, 2015, through September 30, 2024
[4]Pounds of LNAPL Removed from May 8, 2015, through September 26, 2024
*Previous DPE and GWE system data prior to May 2015 submitted in previous reports
Note: density of free product assumed to be density of vehicle gasoline (6.14 lbs/gallon "https://www.epa.gov/sites/production/files/2014-01/gallonspoundsconversion.xls")

The primary purpose of the DPE remediation system is to remove hydrocarbon mass from the subsurface while maintaining hydraulic control 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 O&M Activities

The DPE system operated at approximately 65% up-time during the third quarter 2024. The system shutdowns are noted in Section 2.0.

The following activities are planned for the fourth quarter 2024:

- Monitor influent, mid-1, mid-2, and effluent process groundwater analytical results to estimate GAC breakthrough and timing of carbon changeout and/or backwash
- Continue to evaluate LNAPL transmissivity and provide recommendations for using top inlet pumps or auto skimmers in wells with measurable LNAPL, as warranted or considered cost-effective
- 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
- As the water table elevation increases during the wet season, decrease the SVE vacuum, as needed, and 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

- Prevent bacterial iron fouling in the process piping and effluent line by dosing chemical amendments and continuing to use bag filters
- Continue SVE in the tank farm wells with LNAPL and/or high influent concentrations and mass recovery rates
- Upon further evaluation of the dissolved hydrocarbons conditions in groundwater beneath the southern portion of the tank farm, inspection (and repair if needed) of the GWE piping in selected tank farm wells, DPE remediation effort in that portion of the Site may be considered, as warranted.
- Replace damaged hoses in wells DPE-25 and DPE-26 and restart their DPE operation
- Calibrate the flow totalizer.

7. Third Quarter 2024 Groundwater Monitoring Field Activities

7.1 Hydraulic Monitoring

Third quarter 2024 hydraulic monitoring activities were conducted on July 29, 2024. 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 21 groundwater monitoring wells and 25 extraction wells. Hydraulic monitoring activities were conducted in accordance with the procedures outlined in Section 4.1 of the CMP and the modifications implemented beginning the first quarter 2019. Wells used in hydraulic monitoring are presented in Table 6. A copy of the field data sheets documenting the hydraulic monitoring data are provided in Appendix G.

7.2 Groundwater Sampling

Groundwater sampling activities were conducted between July 30 and August 2, 2024. Groundwater samples were collected from 20 monitoring wells and six DPE wells using low flow sampling procedures. Groundwater sample analytical results are summarized on Table 7 and the laboratory analytical reports are provided in Appendix H. In addition to the groundwater samples, two field duplicate samples were collected for quality assurance purposes. Trip blanks provided by the subcontracted laboratory were included in each cooler. Samples collected during this groundwater monitoring event were immediately placed on ice and transported for laboratory analysis to Eurofins Seattle via courier and under chain-of-custody procedures. Sample analyses included: TPHg by Ecology Method NWTPH Gx, TPHd and TPHo with silica gel cleanup (w/SGC) by Ecology Method NWTPH Dx, and BTEX by EPA Method 8260B. Well locations are shown on Figure 2A.

7.3 Operation Derived Waste

Waste generated by the operation of the remediation system, which included used oil from compressor and blower maintenance, was transported off-Site by DH Environmental during the third quarter 2024. Waste manifest documentation is provided in Appendix I. All personal protective equipment (PPE) that was generated during the third quarter 2024 was properly decontaminated and/or disposed in an appropriate trash receptacle on-Site.

8. Groundwater Monitoring Results

The following sections present a summary of groundwater monitoring activities and results from the third quarter 2024.

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 monitored on a quarterly basis are presented in Table 6. Additional LNAPL thickness measurements are presented in 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. In accordance with the CMP, none of the deep wells were gauged.

8.1.1 Intermediate Well Elevation Data, Flow Direction, and Gradient

Groundwater monitoring data collected during the third quarter 2024 is representative of conditions when the DPE system was not operational and under static conditions. The DPE system had been shut down on August 26th, 2024, for piping repairs in the SVE line.

Based on the depth to water gauging activities, the highest groundwater elevation occurs in well LAI-13 (15.00 feet above mean sea level (amsl)), which is located along the western edge of the tank farm. The lowest groundwater elevation occurs in well MW-11 (10.29 feet amsl), located off-Site to the north, approximately 100 feet north of the Terminal property boundary. 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. Groundwater elevation is observed to be mounding in the central portion of the site and dropping in elevation radially outward, in each cardinal direction.

8.1.2 LNAPL Thicknesses

During the third quarter 2024 gauging event, LNAPL was recorded in five wells: DPE-7 (0.05 feet), DPE-8 (0.77 feet), DPE-11 (0.10 feet), DPE-26 (0.46 feet), and DPE-54 (0.22 feet). 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. A network of wells that historically contained measurable LNAPL are gauged for the presence of LNAPL on a regular basis. The presence (or absence) of LNAPL will continue to be monitored to evaluate trends in occurrence and mobility. Historical LNAPL measurements are presented in Table 5.

8.2 Groundwater Quality Data

The purpose of the groundwater sampling program for this Site is to evaluate the distribution of dissolved hydrocarbons in groundwater beneath the Site, its concentration trends to monitor DPE system performance over time, and to demonstrate that the plume is contained and is not migrating, while focusing on LNAPL recovery. Third quarter 2024 groundwater sample analytical results are summarized in Table 7, together with historical data, and the results for the groundwater samples collected between July 30 and August 2, 2024 (third quarter 2024) are shown on Figure 7. Laboratory analytical reports are included in Appendix H.

During the third quarter 2024, GHD sampled wells B-4, B-6, D-1R, DW-2, LAI-13, LAI-14, MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, MW-15, MW-16, DPE-6, DPE-9, DPE-10, DPE-12, DPE-28, DPE-47, and RWx-5 (26 wells total). These include wells along the perimeter of the Site, as well as wells within the loading racks and the tank farm areas. Tank farm wells DPE-6, DPE-9, DPE-10, and DPE-12 were added to the network of wells sampled during the third quarter 2024 groundwater monitoring event in order to evaluate dissolved hydrocarbons conditions beneath the tank farm after the discovery of LNAPL in wells DPE-7, DPE-8, and DPE-11 in June 2024.

Dissolved TPHg, TPHd, and benzene isoconcentration contours maps are included as Figures 8, 9, and 10, respectively. The figures indicate that the dissolved hydrocarbon plume requiring remediation appears to extend beneath the majority of the Site, including the tank farm area. It should be noted that the sample results for well RWx-5, located adjacent to well DPE-11 containing LNAPL, appear to be anomalous and not representative of groundwater conditions in the area, based on the LNAPL occurrence and dissolved hydrocarbon concentrations in other nearby wells, and therefore omitted from the contouring of the dissolved hydrocarbons plume. GHD is researching the boring logs of RWx-5 and surrounding wells to determine if the well completion is consistent with the surrounding wells or possibly completed in a different water-bearing zone. Additional information regarding well RWx-5 will be provided in a future report. Laboratory analytical results from the third quarter 2024 groundwater monitoring event indicate that concentrations of one or more contaminants of concern (COC) exceeded the Model Toxics Control Act (MTCA) Method A cleanup levels in twelve wells. The maximum concentrations of dissolved TPHg and benzene, 70,600 and 8,200 micrograms per liter (µg/L), respectively; were detected in extraction well DPE-9, located within the southwestern portion of the tank farm. In attempt to mitigate dissolve TPH-g and benzene conditions in groundwater in the area of well DPE-9, GHD has restarted SVE from wells DPE-7, DPE-8, and DPE-11. The maximum concentration of dissolved TPHd, 6,830 µg/L, was detected in extraction well DPE-47.

The dissolved hydrocarbons plume appears to be delineated, for the most part, by perimeter wells in every direction and the extent exceeding the MTCA Method A cleanup level is defined to be within the Site boundaries, expect to the north, where off-Site well DPE-26 contains LNAPL. This is generally consistent with recent data, as dissolved concentrations have typically only been above cleanup levels closest to the source of the historical releases and/or as LNAPL in off-site wells DPE-25 and DPE-26, located just north of the Site boundary. Dissolved concentrations have decreased throughout time and current maximum concentrations are lower than their historical high. MTCA Method A cleanup level exceedances in sampled wells are summarized as follows:

- Dissolved TPHg concentrations exceeded the MTCA Method A cleanup level for TPHg of 800 µg/L in wells B-4 (20,500 µg/L), B-6 (5,630 µg/L), D-1R (1,010 µg/L), MW-7, (6,600 µg/L), MW-8 (1,140 µg/L), DPE-6 (15,200 µg/L), DPE-9 (70,600 µg/L), DPE-10 (9,010 µg/L), DPE-12 (15,100 µg/L), and DPE-47 (10,000 µg/L).
- Dissolved TPHd concentrations exceeded the MTCA Method A cleanup level for TPHd of 500 µg/L in wells B-4 (5,930 µg/L), B-6 (4,410 µg/L), D-1R (637 µg/L) MW-7 (3,080 µg/L), MW-8 (594 µg/L), MW-15 (1,820 µg/L), DPE-6 (2,750 µg/L), DPE-9 (5,310 µg/L), DPE-10 (4,650 µg/L), DPE-12 (1,350 µg/L), DPE-28 (2,050 µg/L), and DPE-47 (6,830 µg/L).
- Dissolved TPHo concentrations exceeded the MTCA Method A cleanup level for TPHo of 500 µg/L in well B-6 (2,040 µg/L), DPE-28 (508 µg/L), and DPE-47 (848 µg/L).
- Dissolved benzene concentrations exceeded the MTCA Method A cleanup level for benzene (5 µg/L) in wells B-4 (311 µg/L), B-6 (2,900 µg/L), MW-7 (1,290 µg/L), MW-8 (34.8 µg/L), MW-15 (29.6 µg/L), DPE-6 (34.5 µg/L), DPE-9 (8,200 µg/L), DPE-10 (79.0 µg/L), DPE-12 (398 µg/L), and DPE-47 (1,060 µg/L).

The following constituents were detected above their respective laboratory reporting limits (RLs) but below the MTCA Method A cleanup level: TPHg in wells MW-11, MW-15, and DPE-28; TPHd in wells MW-1 and MW-10; TPHo in wells B-4, MW-1, MW-7, and MW-8; and benzene in well DPE-28.

Results indicate that the dissolved hydrocarbons plume remains defined at concentrations below the MTCA Method A cleanup level within the property boundaries, with the exception of a small area to the north, in the vicinity of wells DPE-25 through DPE-28, where it extends slightly off-Site beneath the Olympic Pipeline property (Figures 8, 9, and 10). The dissolved hydrocarbons plume does not extend beneath the public right-of way (ROW) or off-Site properties to the east, the south, or the west of the Site; with the exception of TPHd, which is detected off-Site to the south but remains below the MTCA Method A cleanup levels. GHD will continue groundwater

monitoring activities to ensure that the DPE system continues current mass removal efforts and provides adequate hydraulic containment.

Monitoring wells MW-3 through MW-6 were installed along the eastern boundary of the Site to delineate the extent of the dissolved plume in that direction and to determine if migration of COCs is occurring. In accordance with the CMP, well MW-5 was not sampled during the third quarter 2024. The concentrations in the samples collected from wells MW-3, MW-4, and MW-6 continue to be below laboratory reporting limits (RLs).

The concentrations in the samples collected from wells MW-1 and MW-2 along the southern perimeter of the Site were not detected above their respective laboratory RLs for TPHg and BTEX constituents. Dissolved concentrations of TPHd and TPHo were detected above the RLs in wells MW-1 and MW-2; however, the detected concentrations did not exceed their respective MTCA Method A cleanup levels. These wells will continue to be monitored to verify that impacts are not migrating off-Site.

9. Groundwater Monitoring Conclusions and Planned Activities

In summary, the data collected during the third quarter 2024 groundwater monitoring event indicate the following:

- Groundwater elevation contours indicate that the groundwater flow direction beneath the Site is highly variable (Figure 6).
- The dissolved hydrocarbons plume occurring beneath the Site at concentrations exceeding the MTCA Method A cleanup levels is defined to within the Site boundaries, with the exception of a small area to the north where wells DPE-25 through DPE-28 are located (Figures 8, 9, and 10).

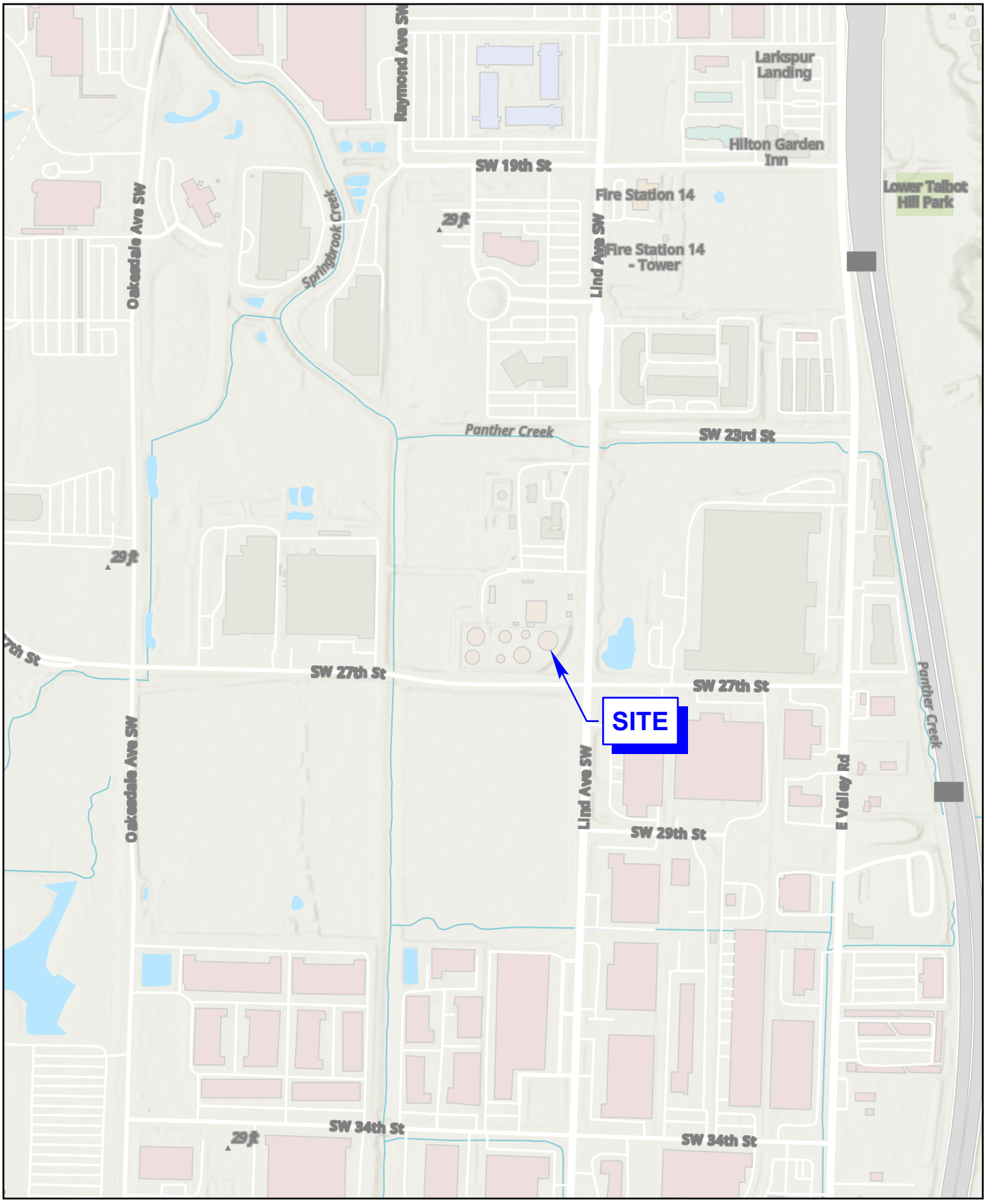
The monitoring well network will continue to be monitored and sampled in accordance with the CMP to assess the effectiveness of the DPE system. In addition, GHD will temporarily monitor additional wells in the tank farm area (DPE-6 through DPE-12), where LNAPL was discovered during the second quarter 2024.

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 measurable LNAPL will occur during the fourth quarter 2024, and extraction efforts will be focused on and in the vicinity of these locations. The next groundwater monitoring event is scheduled to be conducted during the fourth quarter 2024.

10. Other Agreed Order Items

No Agreed Order items occurred during the third quarter 2024.

Figures



Paper Size ANSI A

0 175 350 525 700

Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Washington North FIPS 4601 Feet

N

GHD

PHILLIPS 66 RENTON TERMINAL
2324 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

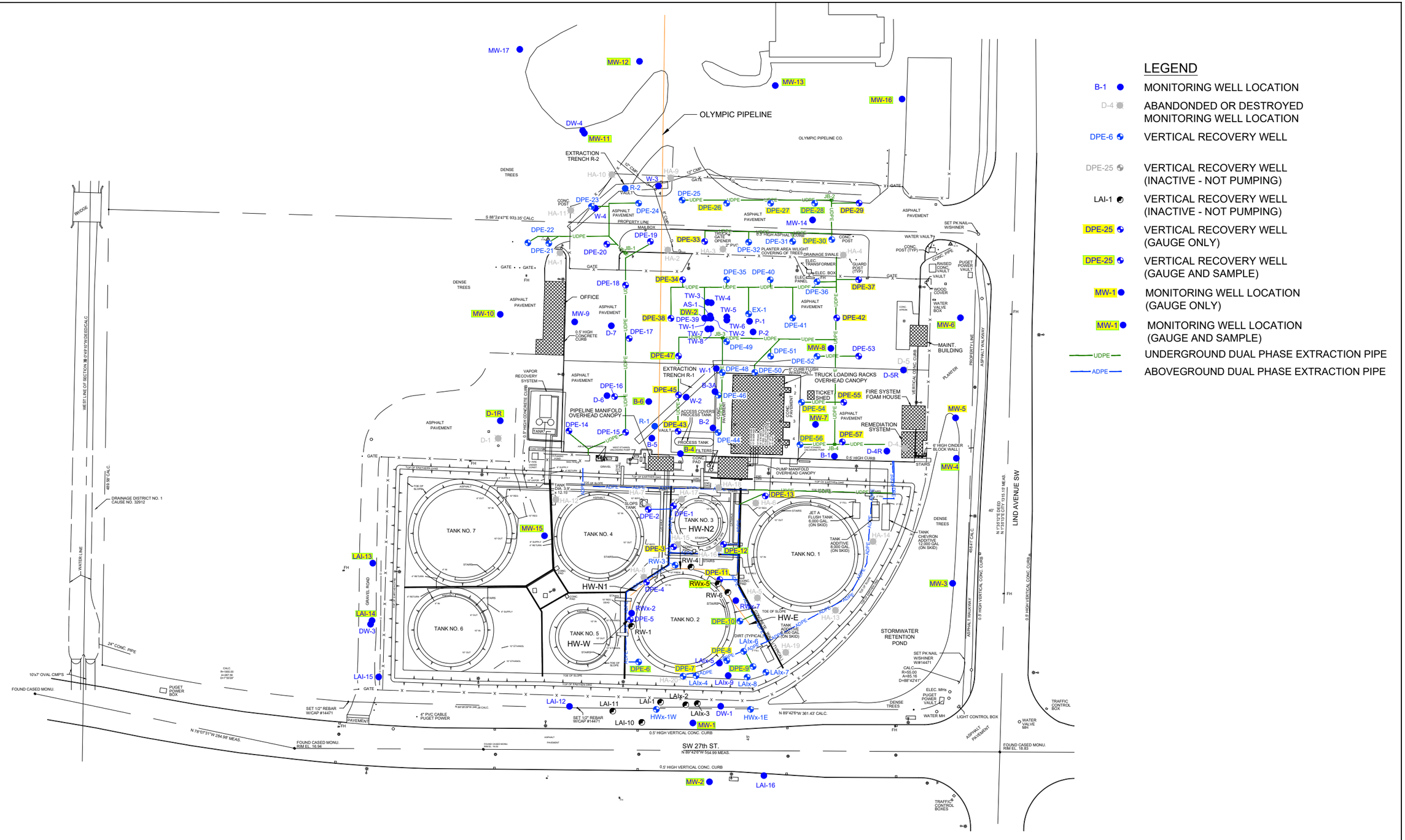
Project No. **12632944**
Revision No. **-**
Date **October 2024**

SITE LOCATION MAP

FIGURE 1

N:\US\Azure\EastUS\12632944\GIS\Maps\Deliverables\12632944_GWMR_2024Q3\12632944_GWMR_2024Q3.aprx - 12632944_001_SiteLocationMap
Print date: 30 Oct 2024 - 10:17

Data source: World Topographic Map: Esri Community Maps Contributors, City of Renton, King County, WA State Parks GIS, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS
World Hillshade: Esri, NASA, NGA, USGS, FEMA. Created by: cgerdts



LEGEND

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

0 50 100 ft

1" = 100 ft

N

GHD

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

SITE PLAN WITH MONITORING LOCATIONS

Project No. **12632944**
Date **October 2024**

FIGURE 2A

Filename: N:\US\Irvine\Projects\561\12632944\Digital_Design\ACAD\Figures\RPT-2024Q3\12632944-GHD-00-00-RPT-EN-D108_WA-2024Q3.dwg
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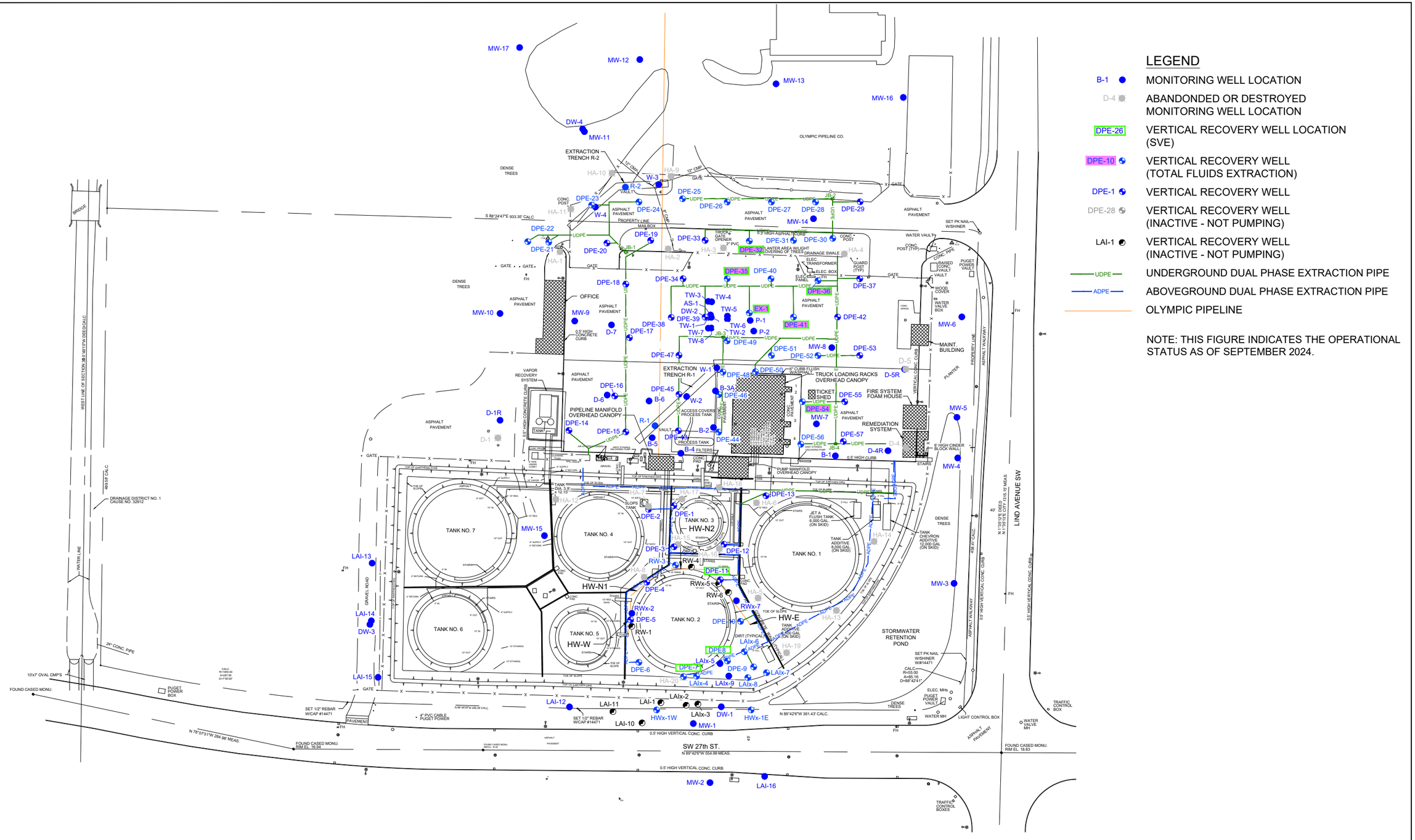

LEGEND

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

NOTE: THIS FIGURE INDICATES THE OPERATIONAL STATUS AS OF SEPTEMBER 2024.

0 50 100 ft

1" = 100 ft

WASHINGTON STATE PLANE
NORTH ZONE 4601 IN SURVEY FT.

N

GHD

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

Project No. **12632944**
Date **October 2024**

SITE PLAN WITH ACTIVE REMEDIATION LOCATIONS

FIGURE 2B

Filename: N:\US\Irvine\Projects\561\12632944\Digital_Design\ACAD\Figures\RPT-2024Q3\12632944-GHD-00-00-RPT-EN-D109_WA-2024Q3.dwg
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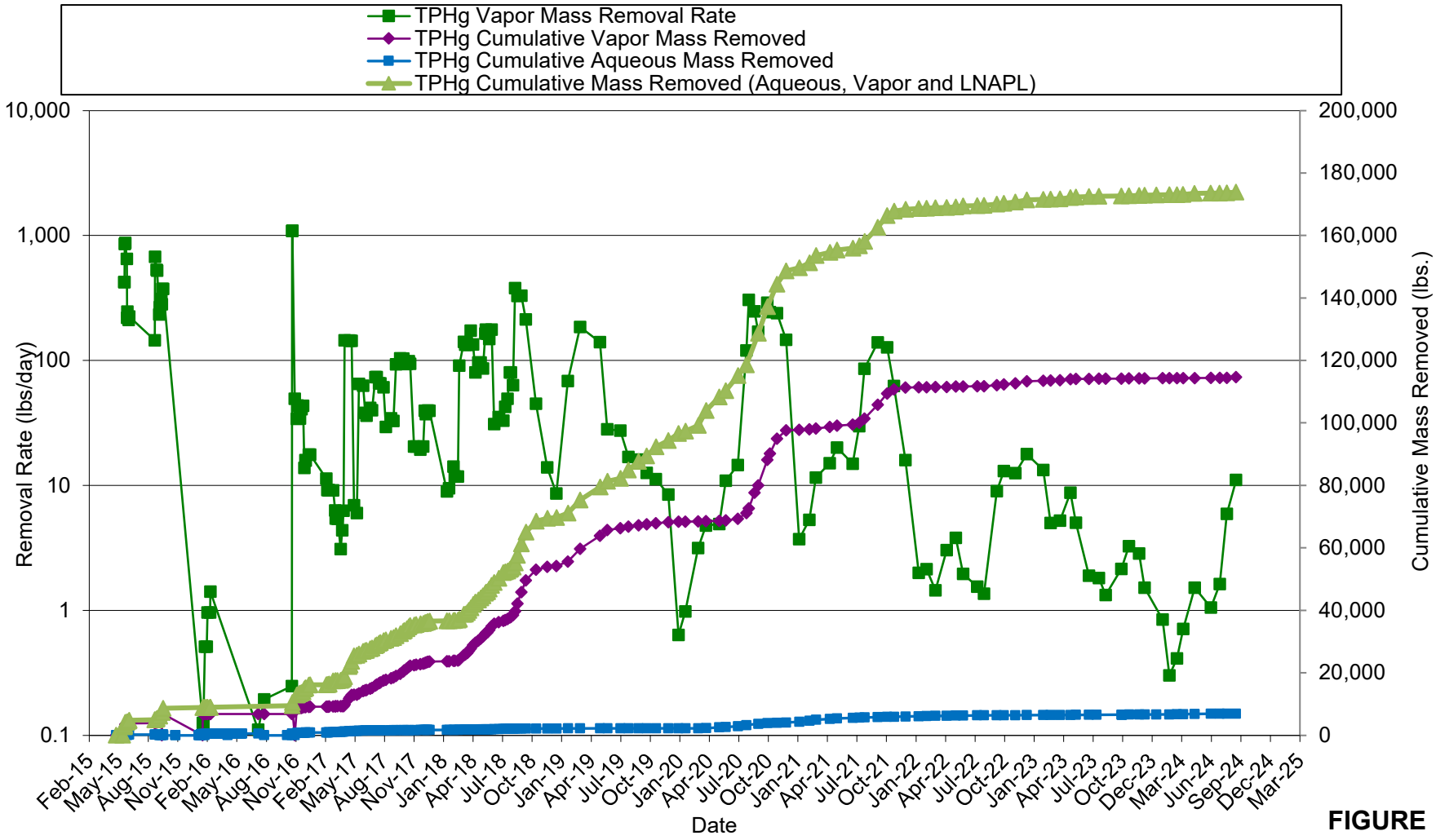


FIGURE 3

Phillips 66 Renton Terminal
2423 Lind Avenue Southwest
Renton, Washington

TPHg MASS REMOVAL VS. TIME

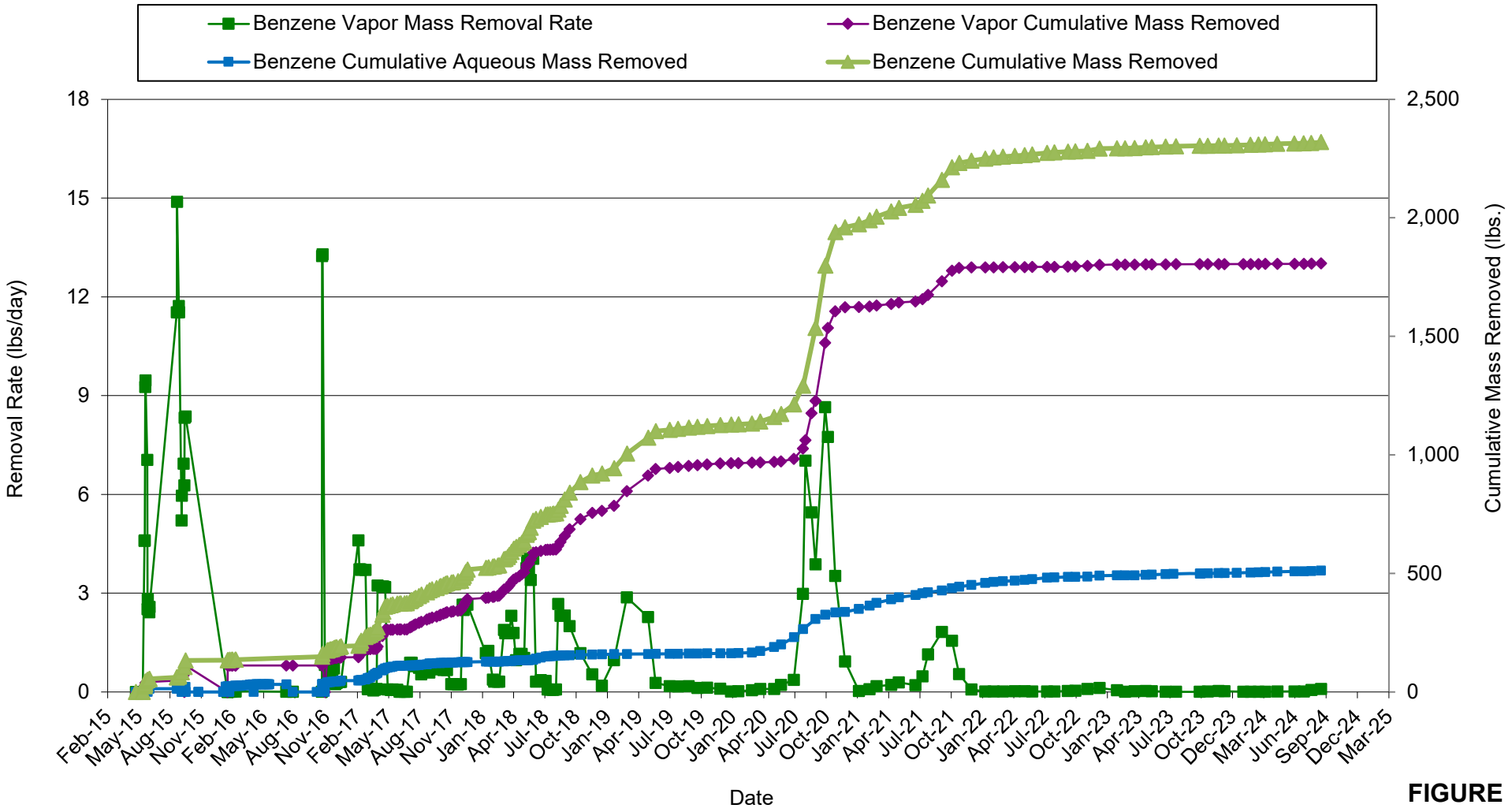


FIGURE 4

Phillips 66 Renton Terminal
2423 Lind Avenue Southwest
Renton, Washington

BENZENE MASS REMOVAL VS. TIME

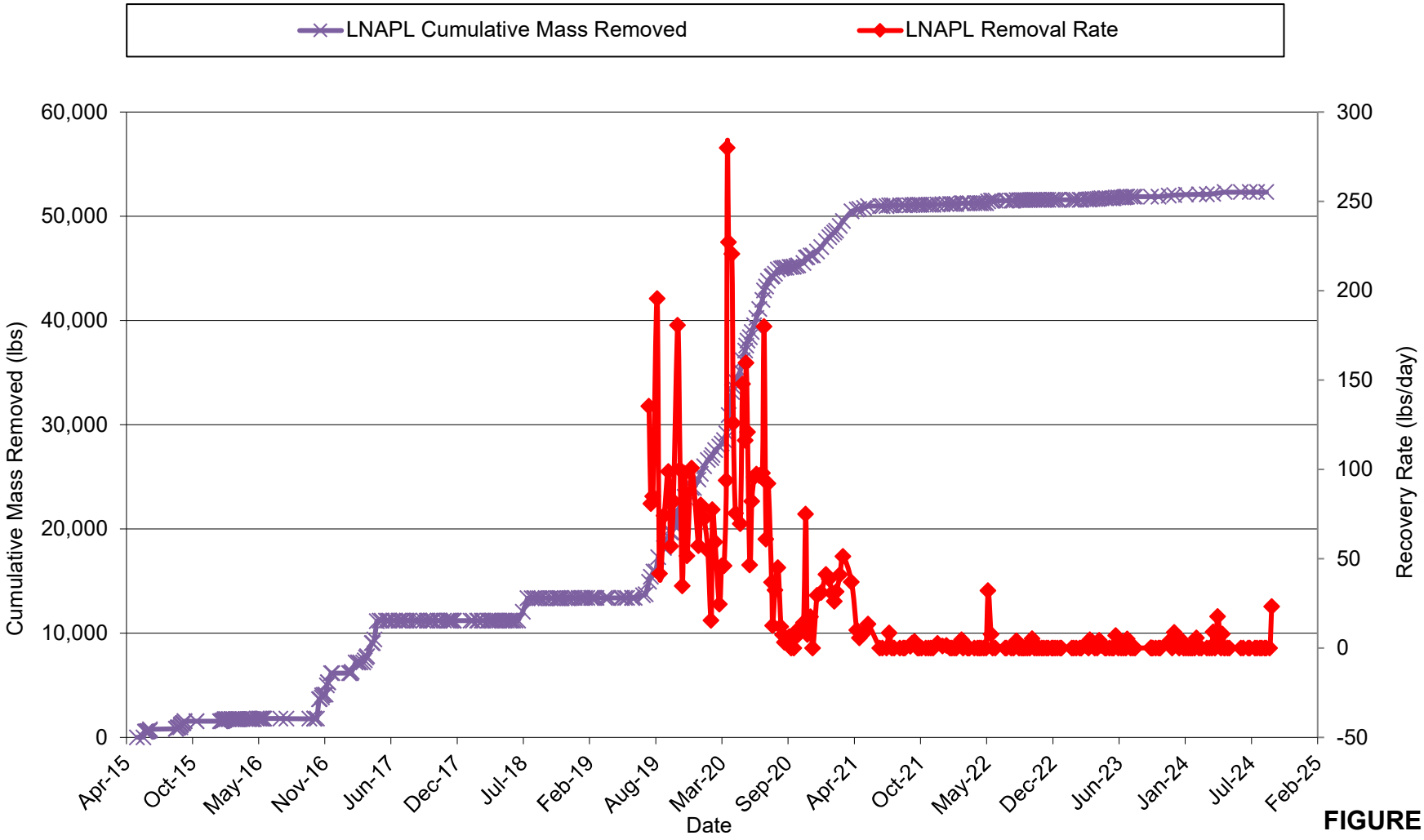
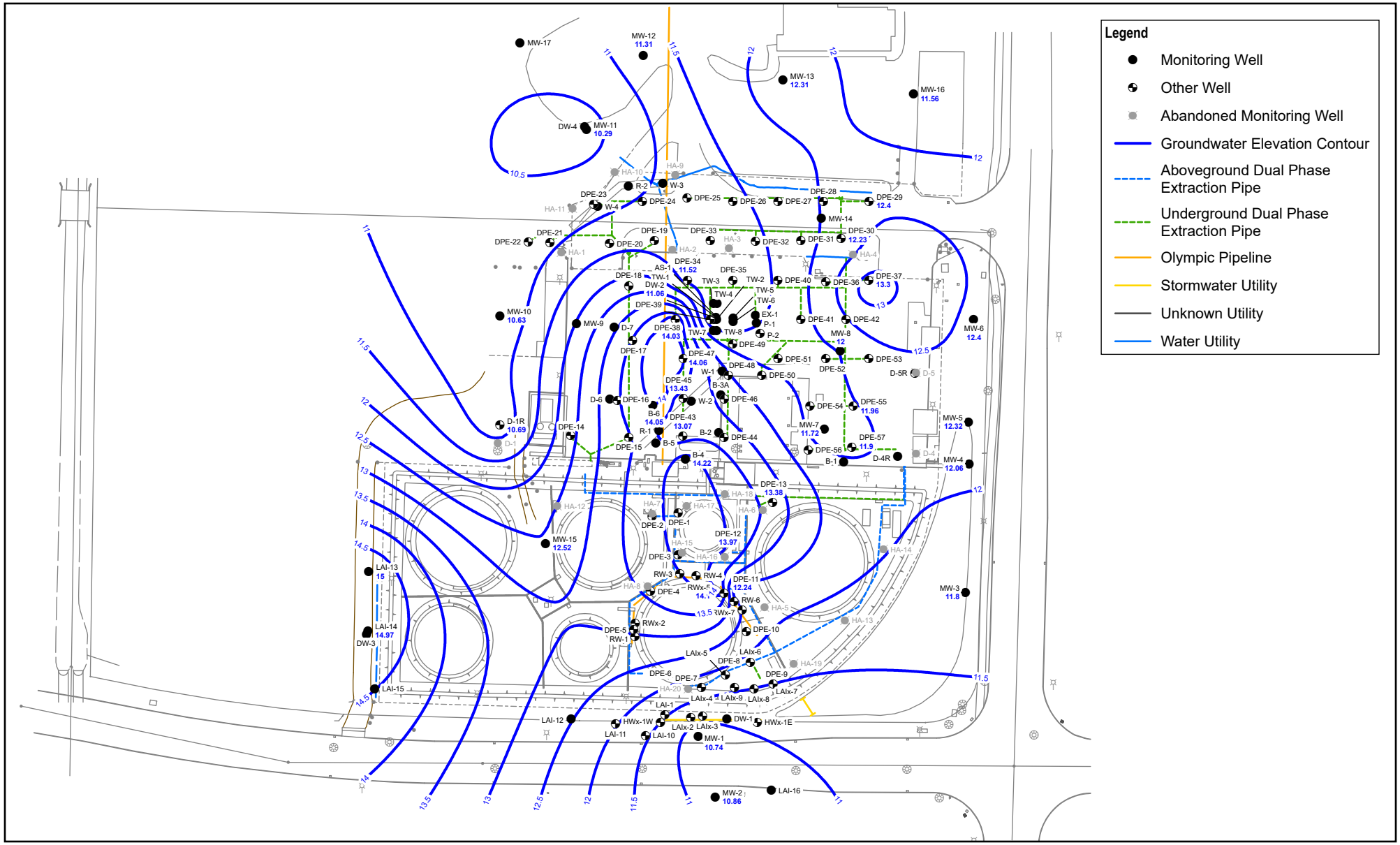


FIGURE 5

Phillips 66 Renton Terminal
2423 Lind Avenue Southwest
Renton, Washington

GHD

LNAPL MASS REMOVAL VS. TIME



Notes:
1. Groundwater Elevations are in feet above mean sea level.

Paper Size ANSI A

0 40 80 120 160

Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Washington North FIPS 4601 Feet

N

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

GROUNDWATER ELEVATION CONTOURS INTERMEDIATE WATER-BEARING ZONE JULY 29, 2024

Project No. **12632944**
Revision No. **-**
Date **October 2024**

FIGURE 6

N:\US\Azure\East\US\12632944\GIS\Maps\Deliverables\12632944_GWMR_2024Q3\12632944_GWMR_2024Q3.aprx - FIGURE 6 - 12632944_002_GWEMap
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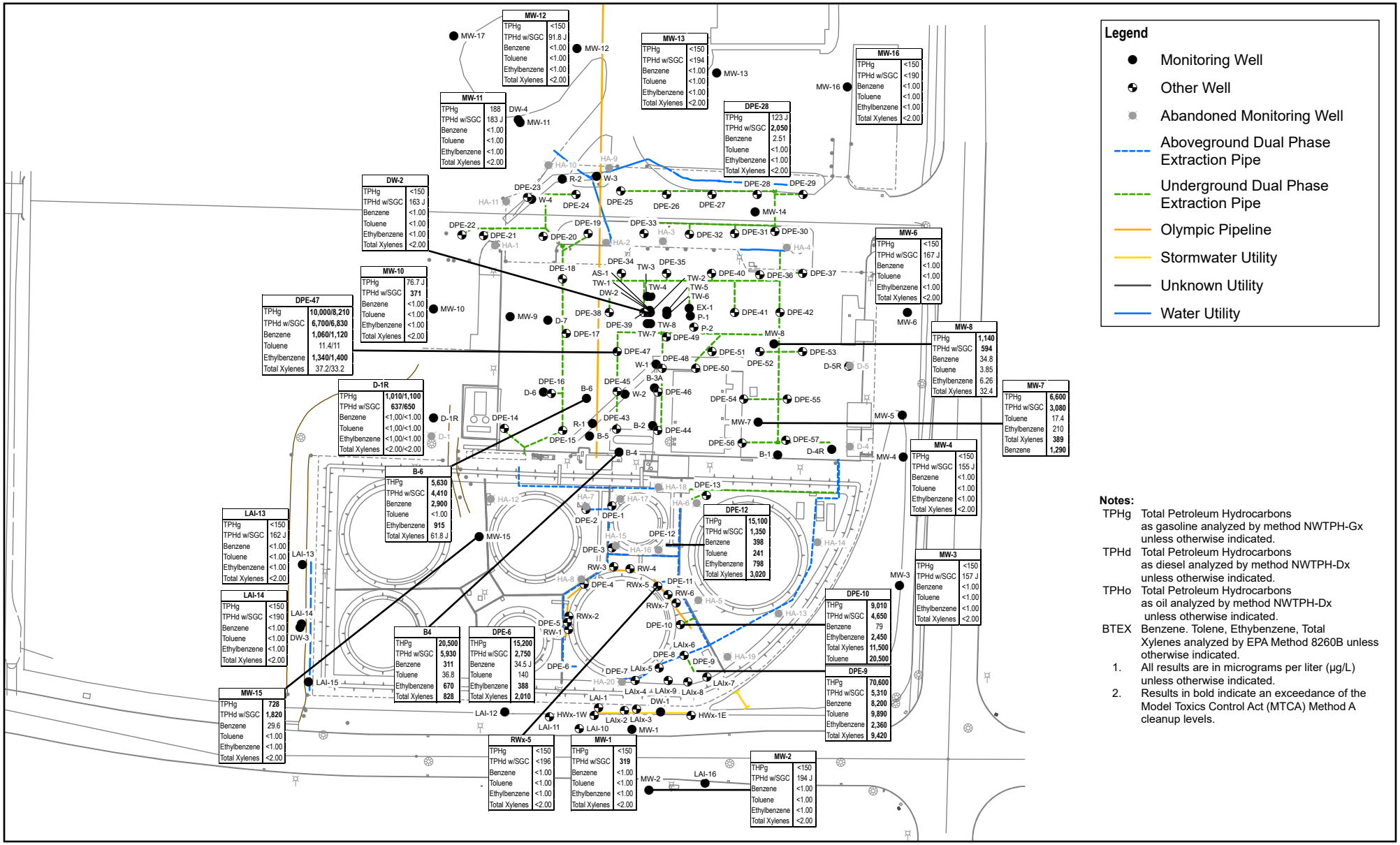
Data source: . Created by: cgerdts



Notes:

TPHg Total Petroleum Hydrocarbons as gasoline analyzed by method NWTPH-Gx unless otherwise indicated.

TPHd Total Petroleum Hydrocarbons as diesel analyzed by method NWTPH-Dx unless otherwise indicated.

TPHo Total Petroleum Hydrocarbons as oil analyzed by method NWTPH-Dx unless otherwise indicated.

BTEX Benzene. Tolene, Ethybenzene, Total Xylenes analyzed by EPA Method 8260B unless otherwise indicated.

1. All results are in micrograms per liter (µg/L) unless otherwise indicated.
2. Results in bold indicate an exceedance of the Model Toxics Control Act (MTCA) Method A cleanup levels.

Paper Size ANSI A

0 40 80 120 160

Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Washington North FIPS 4601 Feet

N

GHD

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

Project No. **12632944**
Revision No. **-**
Date **October 2024**

ANALYTICAL DATA MAP JULY 30 - AUGUST 2, 2024

FIGURE 7

N:\US\Azure\EastUS\12632944\GIS\Maps\Deliverables\12632944_GWMR_2024Q3\12632944_GWMR_2024Q3.aprx - FIGURE 7 - 12632944_003_AnalyticalDataMap
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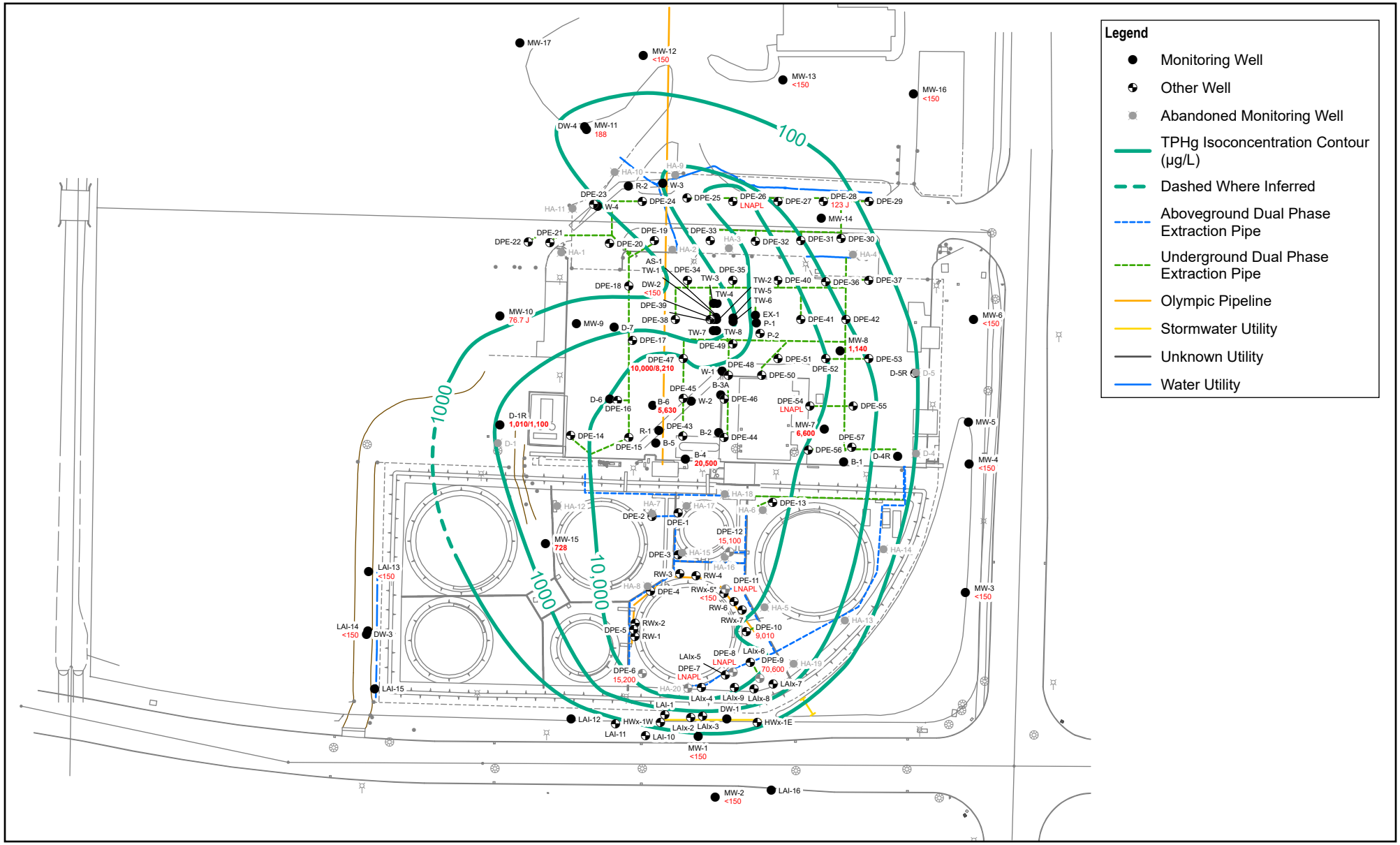

Notes:

ND Not Detected

TPHg Total Petroleum Hydrocarbons as gasoline analyzed by method NWTPH-Gx

* Well RWx-5 not used for contouring because data appears anomalous. Refer to Section 8.2 of text for explanation.

1. All results are in micrograms per liter (µg/L) unless otherwise indicated.
2. Results in bold indicate an exceedance of the Model Toxics Control Act (MTCA) Methos A cleanup levels.

Paper Size ANSI A

0 40 80 120 160

Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Washington North FIPS 4601 Feet

N

GHD

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

TPHg ISOCONCENTRATION CONTOURS MAP JULY 30 - AUGUST 2, 2024

Project No. **12632944**
Revision No. **-**
Date **December 2024**

FIGURE 8

N:\US\Azure\East\US\12632944\GIS\Maps\Deliverables\12632944_GWMR_2024Q3\12632944_GWMR_2024Q3.aprx - FIGURE 8 - 12632944_004_TPHgDataMap
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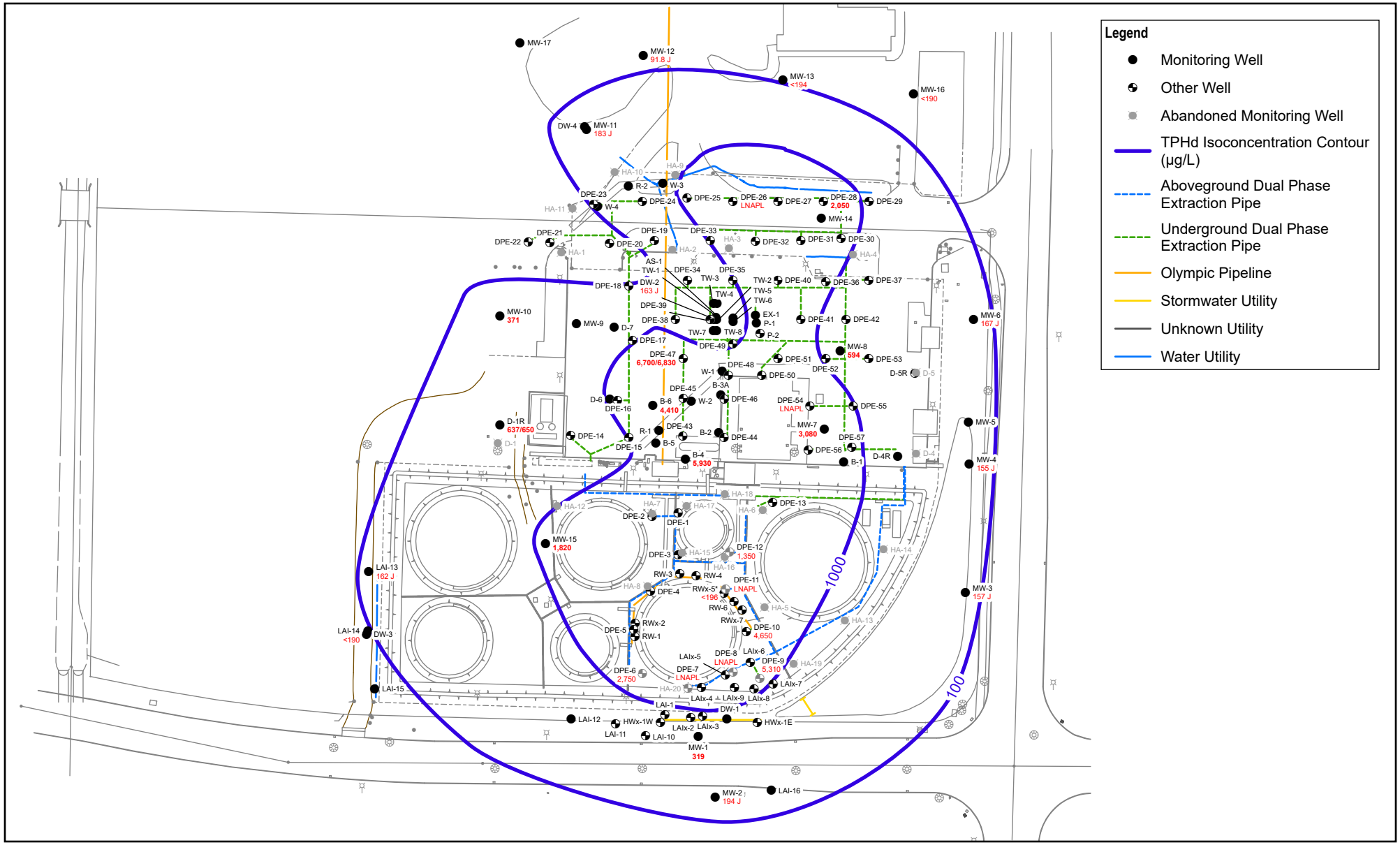

Notes:

ND Not Detected
TPHd Total Petroleum Hydrocarbons as diesel analyzed by method NWTPH-Dx
* Well RWx-5 not used for contouring because data appears anomalous. Refer to Section 8.2 of text for explanation.
1. All results are in micrograms per liter (µg/L) unless otherwise indicated.
2. Results in bold indicate an exceedance of the Model Toxics Control Act (MTCA) Methos A cleanup levels.

Paper Size ANSI A

0 40 80 120 160

Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Washington North FIPS 4601 Feet

N

GHD

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

TPHd ISOCONCENTRATION CONTOURS MAP JULY 30 - AUGUST 2, 2024

Project No. **12632944**
Revision No. **-**
Date **December 2024**

FIGURE 9

N:\US\Azure\East\US\12632944\GIS\Maps\Deliverables\12632944_GWMR_2024Q3\12632944_GWMR_2024Q3.aprx - FIGURE 9 - 12632944_005_TPHdDataMap
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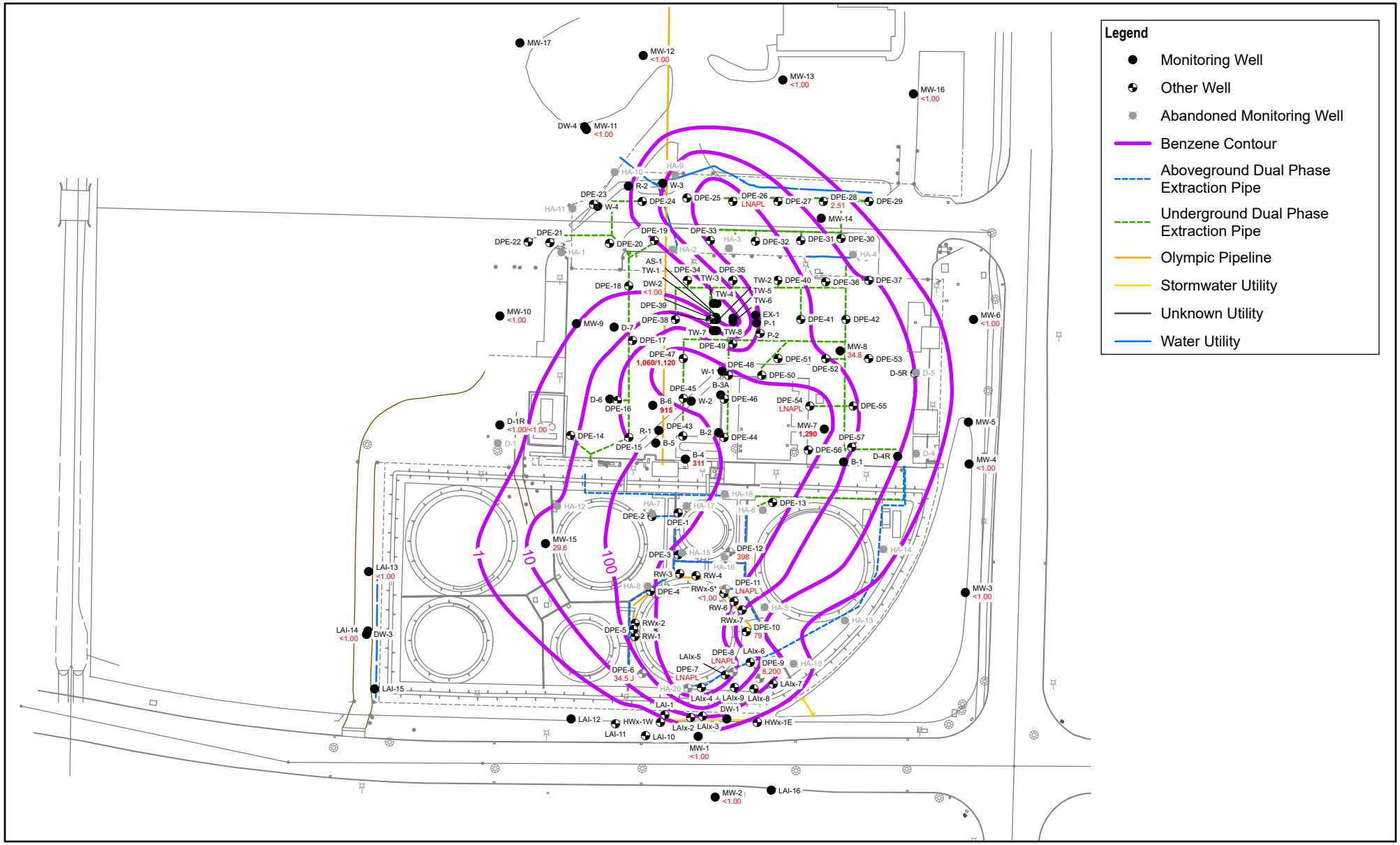

Notes:

ND Not Detected

* Well RWx-5 not used for contouring because data appears anomalous. Refer to Section 8.2 of text for explanation.

1. All results are in micrograms per liter (µg/L) unless otherwise indicated.
2. Results in bold indicate an exceedance of the Model Toxics Control Act (MTCA) Methos A cleanup levels.

Paper Size ANSI A

0 40 80 120 160

Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Washington North FIPS 4601 Feet

N

GHD

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

BENZENE ISOCONCENTRATION CONTOURS MAP JULY 30 - AUGUST 2, 2024

Project No. **12632944**
Revision No. **-**
Date **December 2024**

FIGURE 10

N:\US\Azure\EastUS\12632944\GIS\Maps\Deliverables\12632944_GWMR_2024Q3\12632944_GWMR_2024Q3.aprx - FIGURE 10 - 12632944_006_BenzeneDataMap
Print date: 10 Dec 2024 - 12:31

Data source: . Created by: cgerdts

Tables

Table 1

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

	Influent							Influent-2 (Post-air stripper)							Midfluent 1							Midfluent 2							Effluent								
Date	TPHg Conc.	TPHd Conc.	TPHmo Conc.	Benzene Conc.	Toluene Conc.	Ethylbenzene Conc.	Xylenes Conc.

Table 1

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

	Influent							Influent-2 (Post-air stripper)							Midfluent 1							Midfluent 2							Effluent								
Date	TPHg Conc.	TPHd Conc.	TPHmo Conc.	Benzene Conc.	Toluene Conc.	Ethylbenzene Conc.	Xylenes Conc.	TPHg Conc.	TPHd Conc.	TPHmo Conc.	Benzene Conc.	Toluene Conc.	Ethylbenzene Conc.	Xylenes Conc.	TPHg Conc.	TPHd Conc.	TPHmo Conc.	Benzene Conc.	Toluene Conc.	Ethylbenzene Conc.	Xylenes Conc.	TPHg Conc.	TPHd Conc.	TPHmo Conc.	Benzene Conc.	Toluene Conc.	Ethylbenzene Conc.	Xylenes Conc.	TPHg Conc.	TPHd Conc.	TPHmo Conc.	Benzene Conc.	Toluene Conc.	Ethylbenzene Conc.	Xylenes Conc.	pH[a]	FOG Conc.
(mm/dd/yy)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)		(µg/L)
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	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	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	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	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	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	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	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	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	6.7*	<952
07/13/23	**16,000**	**3,100**	**250**	**860**	**890**	**350**	**5,200**	-	-	-	-	-	-	-	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	<100	<95	<95	**3.1**	<1.0	<1.0	<2.0	<100	<96	<96	<0.5	<1.0	<1.0	<2.0	6.7	<1,000
09/27/23	**12,000**	**16,000**	**210**	**730**	**400**	**320**	**3,000**	-	-	-	-	-	-	-	<100	<95	<95	<0.5	<1.0	<1.0	<2.0	<100	**110**	<99	**1.6**	<1.0	<1.0	<2.0	<100	<95	<95	<0.5	<1.0	<1.0	<2.0	6.5	<1,000
09/28/23	**12,000**	**8,700**	<95	**720**	**700**	**349**	**2,900**	-	-	-	-	-	-	-	<100	<94	<94	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	**2.5**	<1.0	<1.0	<2.0	<100	<98	<98	<0.5	<1.0	<1.0	<2.0	6.6	<952
09/29/23	**15,000**	<97	<97	**740**	**1,000**	**330**	**3,100**	-	-	-	-	-	-	-	<100	<97	<97	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	**2.6**	<1.0	<1.0	<2.0	<100	**9000**	<94	<0.5	<1.0	<1.0	<2.0	6.7	<1,000
10/20/23	**17,000**	**9500**	<98	**1,100**	**1,400**	**300**	**3,900**	-	-	-	-	-	-	-	<100	**470**	**550**	<0.5	<1.0	<1.0	<2.0	<100	<94	<94	**2.2**	<1.0	<1.0	<2.0	<100	<99	<99	<0.5	<1.0	<1.0	<2.0	6.7	**1430**
11/20/23	**14,000**	**17,000**	**370**	**1,200**	**1,100**	**200**	**2,600**	-	-	-	-	-	-	-	<100	<97	<97	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	**1.3**	<1.0	<1.0	<2.0	<100	<97	<97	<0.5	<1.0	<1.0	<2.0	6.5	<952
12/07/23	**29,000**	<94	<94	**1,600**	**2,500**	**470**	**5,000**	-	-	-	-	-	-	-	<100	**13,000**	<95	<1.0	<2.0	<2.0	<4.0	<100	<99	<99	**1.2**	<2.0	<2.0	<4.0	<100	<95	<95	<0.5	<1.0	<1.0	<2.0	6.8	<952
01/11/24	**18,000**	**14,000**	<98	**1,200**	**2,000**	**220**	**3,900**	-	-	-	-	-	-	-	<100	<95	<95	<0.5	<1.0	<1.0	<2.0	<100	<96	<96	**1.2**	<1.0	<1.0	<2.0	<100	<97	<97	<0.5	<1.0	<1.0	<2.0	5.7	<952
02/20/24	**51,600**	**18,600**	**1,020**	**2,060**	**4,330**	**583**	**7,070**	-	-	-	-	-	-	-	<100	**120**	**217 J**	<1.0	<1.0	<1.0	<2.0	<100	<106	**129 J**	**1.62**	<1.0	<1.0	<2.0	<100	<105	<333	<1.0	<1.0	<1.0	<2.0	6.0	**2150**
03/14/24	**49,100**	**6,310**	**459**	**1,790**	**4,200**	**641**	**7,900**								<100	**174**	**284 J**	**0.625 J**	**0.455 J**	<1.0	<2.0	<100	**91.5 J**	**153 J**	**1.58**	<1.0	<1.0	<2.0	<100	**74.5 J**	<360	< 1.0	< 1.0	< 1.0	< 2.0	6.3	<10100
04/02/24	**39,100**	**6,440**	**646**	**1,200**	**1,540**	**243**	**5,520**								**78.4 J**	**765**	**834**	**2.98**	**1.18**	<1.0	**2.34**	**29.8 J**	<112	**128 J**	**1.77**	<1.0	<1.0	<2.0	<100	<117	<371	< 1.0	< 1.0	< 1.0	< 2.0	5.6	<5200
05/07/24	**30,400**	**4,500**	**401**	**881**	**840**	**97 J**	**4,260**								< 150	**482**	**318 J**	**3.7**	**0.942 J**	<1.0	**4.25**	< 150	**195 J**	**253 J**	**1.50**	<1.0	<1.0	<2.0	< 150	<203	**150 J**	< 1.0	< 1.0	< 1.0	< 2.0	6.7	<4900
06/25/24	**57,000**	**12,800**	**1,060**	**805**	**305**	**229**	**3,740**								< 150	**435**	**273 J**	**1.07**	<1.0	<1.0	<2.0	< 150	< 203	< 355	**1.71**	<1.0	<1.0	<2.0	< 150	< 205	< 358	< 1.0	< 1.0	< 1.0	< 2.0	6.5	**1300 J**
07/22/24	**19,000**	**4,520**	**436**	**641**	**229**	**61**	**3,200**								< 150	**145**	**194**	**1.01**	<1.0	<1.0	<2.0	< 150	< 203	< 356	**1.81**	<1.0	<1.0	<2.0	< 150	< 190	< 333	< 1.0	< 1.0	< 1.0	< 2.0	6.7	< 4900
08/13/24	**14,000**	**4,100**	**514**	**947**	**233**	**26**	**1,820**								< 150	**346**	**351 J**	**1.03**	<1.0	<1.0	<2.0	< 150	**110 J**	**247 J**	**1.04**	<1.0	<1.0	<2.0	< 150	< 190	**146 J**	< 1.0	< 1.0	< 1.0	< 2.0	6.0	< 1600
09/10/24	**11,200**	**3,240**	**555**	**571**	**188**	**97**	**1,210**								< 150	**260**	**250 J**	**1.67**	<1.0	< 1.0	< 2.0	< 150	< 202	< 353	**1.83**	< 1.0	< 1.0	< 2.0	< 150	< 205	< 359	< 1.0	< 1.0	< 1.0	< 2.0	7.0	< 5200
Regulatory Limits (µg/L):				**N/A**							**N/A**							**N/A**							**N/A**							**N/A**					
															3%	44%	0%	0%	2%	0%																	

Notes and Abbreviations:

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

TPHg analyzed by Method NWTPHd-X.
TPHg analyzed by Method NWTPHg-X.
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.
FOG analyzed by Method 1664 HEM.
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. (C0)
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

				Water Extraction				LNAPL		TPHg			Benzene		
Date (mm/dd/yy)	Hour Meter Reading	SV-3102 (hrs)	Total Uptime*	Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Cumulative recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
05/08/15	NM		NA	0	0	NA	NA	0	393,000	NM	0	13,000	NM	0
05/28/15	NM		NM	42,164	42,164	2,108	1.5	NM	153,000	6.91	0	10,200	0.229	0
06/01/15	NM		NM	119,025	119,025	16,694	11.6	90	NM	21.3	0	NM	1.42	0
06/02/15	NM		NM	130,343	130,343	11,186	7.8	90	NM	14.3	0	NM	0.95	0
06/03/15	93		NM	143,175	143,175	12,213	8.5	90	NM	15.6	56	NM	1.04	3.5
06/04/15	117		100%	174,111	174,111	32,517	22.6	90	NM	41.5	98	NM	2.77	6.3
06/05/15	131		69%	190,602	190,602	19,529	13.6	90	NM	24.9	112	NM	1.66	7.3
06/08/15	194		83%	248,551	248,551	18,324	12.7	95	NM	23.4	174	NM	1.56	11.4
06/09/15	208		58%	260,576	260,576	12,025	8.4	97	NM	15.4	183	NM	1.02	12.0
06/10/15	213		23%	267,688	267,688	8,001	5.6	97	NM	10.2	185	NM	0.68	12.1
06/11/15	214		5%	NM	NM	NM	NM	100	NM	NM	NM	NM	NM	NM
06/15/15	235		21%	295,654	295,654	6,645	4.6	105	NM	8.5	193	NM	0.57	12.6
06/16/15	243		38%	304,658	304,658	10,373	7.2	125	660,000	57.1	212	22,100	1.91	13.3
09/02/15	268		1%	329,320	329,320	316	0.2	135	NM	1.7	213	NM	0.06	13.3
09/03/15	268		0%	333,120	333,120	4,800	3.3	135	145,000	5.8	213	8,150	0.33	13.3
09/08/15	271		2%	337,021	337,021	747	0.5	151	NM	0.9	214	NM	0.05	13.3
09/09/15	276		22%	343,401	343,401	6,586	4.6	156	NM	8.0	215	NM	0.45	13.4
09/10/15	293		97%	366,411	366,411	31,557	21.9	160	NM	38.2	242	NM	2.15	14.9
09/16/15	NM		NM	368,733	368,733	374	0.3	160	107,000	0.3	NM	8,440	0.03	NM
09/17/15	324		18%	394,204	394,204	23,288	16.2	188	NM	20.8	269	NM	1.64	17.1
09/18/15	NM		NM	407,869	407,869	15,869	11.0	204	NM	14.2	NM	NM	1.12	NM
09/22/15	NM		NM	409,896	409,896	486	0.3	219	NM	0.4	NM	NM	0.03	NM
09/24/15	NM		NM	423,762	423,762	7,006	4.9	224	NM	6.3	NM	NM	0.49	NM
09/25/15	391		35%	430,097	430,097	6,693	4.6	224	NM	6.0	288	NM	0.47	18.5
09/28/15	463		101%	468,461	468,461	12,962	9.0	254	NM	11.6	323	NM	0.91	21.3
09/28/15	470		97%	NM	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
11/04/15	NM		NM	472,794	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
11/04/15	458		NM	472,814	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
01/14/16	NM		NM	472,820	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
01/15/16	NM		NM	475,012	470,653	1,948	1.4	254	NM	NM	NM	NM	NM	NM
01/19/16	NM		NM	476,154	NM	NM	NM	254	NM	NM	NM	NM	NM	NM
01/20/16	NM		NM	477,419	471,918	1,080	0.8	254	NM	NM	NM	NM	NM	NM
01/21/16	516		NM	489,519	484,018	12,410	8.6	264	80,800	8.4	343	1,540	0.16	21.7
01/26/16	NM		NM	537,500	531,999	10,028	7.0	264	NM	6.8	NM	NM	0.13	NM
01/27/16	658		100%	549,300	543,799	10,554	7.3	279	NM	7.1	385	NM	0.14	22.5
01/28/16	679		98%	566,046	560,545	18,722	13.0	284	NM	12.6	396	NM	0.24	22.7
02/01/16	775		100%	NM	NM	NM	NM	284	NM	NM	NM	NM	NM	NM
02/02/16	804		100%	649,526	644,025	16,375	11.4	284	NM	11.0	453	NM	0.21	23.8
02/08/16	945		99%	718,614	713,113	11,628	8.1	284	8,500	0.8	458	762	0.07	24.2
02/10/16	993		98%	738,027	732,526	9,541	6.6	284	NM	0.7	460	NM	0.06	24.3
02/17/16	1,107		68%	779,343	773,842	5,873	4.1	284	NM	0.4	462	NM	0.04	24.5
02/18/16	1,131		100%	783,228	777,727	3,872	2.7	284	NM	0.3	462	NM	0.02	24.5
02/19/16	1,153		100%	787,922	782,421	5,082	3.5	284	NM	0.4	462	NM	0.03	24.5
02/24/16	1,275		100%	800,538	795,037	2,499	1.7	284	NM	0.2	463	NM	0.02	24.6
02/29/16	1,393		100%	811,196	805,695	2,162	1.5	284	NM	0.2	464	NM	0.01	24.7
03/03/16	1,467		100%	818,810	813,309	2,468	1.7	284	NM	0.2	464	NM	0.02	24.7
03/04/16	1,489		98%	822,699	817,198	4,148	2.9	284	69,200	2.4	467	7,730	0.27	25.0
03/08/16	1,586		100%	836,974	831,473	3,541	2.5	284	NM	2.0	475	NM	0.23	25.9
03/14/16	1,729		99%	858,572	853,071	3,596	2.5	284	NM	2.1	487	NM	0.23	27.3
03/21/16	1,854	81	74%	874,773	869,272	2,313	1.6	284	NM	1.3	494	NM	0.15	28.1
03/31/16	2,095	1,637	100%	905,470	899,969	3,057	2.1	284	NM	1.8	512	NM	0.20	30.1
04/07/16	2,262	1,948	100%	924,033	918,532	2,668	1.9	284	NM	1.5	523	NM	0.17	31.3
04/11/16	2,359	0.841	101%	931,356	925,855	1,812	1.3	NM	16,300	NM	NM	1,400	NM	NM
04/18/16	2,521		98%	935,543	930,042	620	0.4	284	NM	0.1	524	NM	0.01	31.3
04/19/16	2,545		87%	935,960	930,459	417	0.3	284	NM	0.1	524	NM	0.00	31.3
04/21/16	2,590		94%	939,503	934,002	1,890	1.3	286	NM	0.3	524	NM	0.02	31.4
04/25/16	2,686		100%	945,414	939,913	1,478	1.0	286	NM	0.2	525	NM	0.02	31.4
05/03/16	2,860		90%	960,595	955,094	2,094	1.5	294	NM	0.3	527	NM	0.02	31.6
05/04/16	2,866		30%	961,300	955,799	2,820	2.0	294	NM	0.4	527	NM	0.03	31.6
05/10/16	3,014		100%	968,802	963,301	1,217	0.8	295	13,400	0.1	528	998	0.01	31.7
05/13/16	3,085		100%	972,250	966,749	1,166	0.8	295	NM	0.1	528	NM	0.01	31.7
05/17/16	3,181		100%	975,853	970,352	901	0.6	295	NM	0.1	529	NM	0.01	31.8
05/20/16	3,251		100%	979,324	973,823	1,190	0.8	295	NM	0.1	529	NM	0.01	31.8
05/23/16	3,326		100%	982,934	977,433	1,155	0.8	295	NM	0.1	529	NM	0.01	31.8
05/24/16	3,345		100%	984,358	978,857	1,799	1.2	295	NM	0.2	530	NM	0.01	31.8
05/26/16	3,399		100%	986,561	981,060	979	0.7	295	NM	0.1	530	NM	0.01	31.8
07/14/16	3,402		NA	988,514	983,013	15,624	10.9	NM	NM	1.7	530	NM	0.13	31.9
08/01/16	NM		NA	988,514	983,013	NA	NA	NM	NM	NM	NM	NM	NM	NM
10/10/16	3,415		NA	990,903	985,402	NA	NA	295	91,400	NM	NM	6,820	NM	NM
10/24/16	3,419		NA	992,031	986,530	NA	NA	295	NM	NM	NM	NM	NM	NM
10/25/16	3,427		33%	996,053	990,552	12,066	8.4	295	NM	9.2	533	NM	0.69	32.1
10/26/16	3,449	3,154	100%	1,012,766	1,007,265	18,232	12.7	295	NM	13.9	546	NM	1.04	33.0
11/02/16	--	--	--	--	--	--	--	--	123,000	NM	NM	4,660	NM	NM
11/08/16	3,578	3,453	95%	1,173,110	1,167,609	12,870	8.9	595	NM	13.2	711	NM	0.50	39.3
11/11/16	3,578	3,484	52%	1,190,561	1,185,060	13,510	9.4	600	NM	13.9	728	NM	0.53	40.0
11/17/16	3,578	3,552	47%	1,218,771	1,213,270	9,956	6.9	623	NM	10.2	757	NM	0.39	41.0
11/18/16	3,578	3,569	71%	1,225,541	1,220,040	9,558	6.6	655	NM	9.8	764	NM	0.37	41.3
11/23/16	3,578	3,588	16%	1,234,871	1,229,370	11,785	8.2	665	NM	12.1	774	NM	0.46	41.7
11/28/16	3,578	3,711	100%	1,249,041	1,243,540	2,765	1.9	670	NM	2.8	788	NM	0.11	42.2
12/02/16	3,578	3,780	72%	1,280,241	1,274,740	10,852	7.5	810	NM	11.1	820	NM	0.42	43.4
12/05/16	3,578	3,813	46%	1,294,611	1,289,110	10,451	7.3	863	NM	10.7	835	NM	0.41	44.0
12/06/16	3,578	3,834	88%	1,294,871	1,289,370	297	0.2	863	168,000	0.4	836	12,200	0.03	44.0
12/15/16	3,578	3,869	16%	1,301,001	1,295,500	4,203	2.9	1003	NM	5.9	844	NM	0.43	44.6
12/19/16	3,578	3,947	81%	1,328,511	1,323,010	8,465	5.9	1003	NM	11.9	883	NM	0.86	47.4
02/07/17	3,578	3,951	0%	1,330,662	1,325,161	12,906	9.0	1003	NM	17.6	886	NM	1.02	47.6
02/10/17	3,578	4,011	83%	1,336,888	1,331,387	2,490	1.7	1003	NM	3.4	894	NM	0.20	48.1
02/13/17	3,578	4,022	15%	1,341,190	1,335,689	9,386	6.5	1003	NM	12.8	900	NM	0.74	48.4
02/15/17	3,578	4,068	96%	1,357,847	1,352,346	8,691	6.0	1023	NM	11.8	923	NM	0.69	49.8
02/27/17	3,578	4,162	33%	1,377,574	1,372,073	5,037	3.5	1173	163,000	6.9	949	9,450	0.40	51.3
03/06/17	3,578	4,284	73%	1,415,527	1,410,026	7,466	5.2	1173	NM	7.4	987	NM	1.01	56.4
03/07/17	3,578	4,310	100%	1,425,028	1,419,527	8,770	6.1	1173	NM	8.6	996	NM	1.19	57.7
03/13/17	3,578	4,346	25%	1,443,676	1,438,175	12,432	8.6	1173	NM	12.2	1,015	NM	1.68	60.3
03/22/17	3,578	4,523	82%	1,506,046	1,500,545	8,457	5.9	1173	NM	8.3	1,076	NM	1.14	68.7
03/27/17	3,578	4,632	91%	1,542,554	1,537,053	8,038	5.6	1203	118,000	7.9	1,112	16,200	1.09	73.6
03/31/17	3,578	4,730	100%	1,571,505	1,566,004	7,090	4.9	1250	NM	7.0	1,140	NM	0.96	77.5
04/03/17	3,578	4,797	93%	1,593,739	1,588,238	7,964	5.5	1267	NM	9.6	1,167	NM	1.08	80.6
04/17/17	3,578	5,122	97%	1,660,630	1,655,129	4,940	3.4	1472	NM	5.9	1,248	NM	0.67	89.7
04/20/17	3,578	5,193	99%	1,683,196	1,677,695	7,628	5.3	1472	144,000	9.2	1,275	16,300	1.04	92.7
04/25/17	3,578	5,310	98%	1,725,915	1,720,414	8,763	6.1	1532	NM	10.5	1,326	NM	1.19	98.5
05/02/17	3,578	5,419	65%	1,786,988	1,781,487	13,447	9.3	1815	NM	10.4	1,373	NM	0.66	101.5
05/11/17	3,578	5,633	99%	1,837,690	1,832,189	5,686	3.9	1825	92,900	4.4	1,413	5,870	0.28	104.0
05/17/17	3,578	5,770	95%	1,879,057	1,873,556	7,247	5.0	1825	NM	5.6	1,445	NM	0.35	106.0
05/30/17	3,578	6,068	96%	1,934,549	1,929,048	4,469	3.1	1825	NM	3.5	1,488	NM	0.22	108.8
06/05/17	3,578	6,192	86%	1,958,982	1,953,481	4,729	3.3	1825	NM	2.0	1,498	NM	0.10	109.3
06/09/17	3,578	6,283	95%	1,972,708	1,967,207	3,620	2.5	1825	49,900	1.5	1,504	2,530	0.08	109.6
06/20/17	3,578	6,524	91%	2,010,460	2,004,959	3,760	2.6	1825	NM	1.6	1,519	NM	0.08	110.4
06/26/17	3,578	6,662	96%	2,024,580	2,019,079	2,456	1.7	1825	NM	1.0	1,525	NM	0.05	110.7
7/6/17 12:00	3,578	6,900	100%	2,048,780	2,043,279	2,440	1.7	1825	NM	0.5	1,530	NM	0.03	111.0
7/10/17 10:00	3,578	6,994	100%	2,056,292	2,050,791	1,918	1.3	1825	25,000	0.4	1,532	1,530	0.02	111.1
7/17/17 11:20	3,578	7,156	99%	2,085,700	2,080,199	4,357	3.0	1825	NM	0.9	1,538	NM	0.06	111.4
7/21/17 12:00	3,578	7,252	100%	2,105,609	2,100,108	4,977	3.5	1825	NM	1.0	1,542	NM	0.06	111.7
7/31/17 9:00	3,578	7,483	99%	2,180,003	2,174,502	7,729	5.4	1825	NM	1.6	1,558	NM	0.10	112.6
8/7/17 7:30	3,578	7,559	46%	2,218,824	2,213,323	12,259	8.5	1825	NM	4.9	1,573	NM	0.70	114.9
8/23/17 8:50	3,578	7,570	3%	2,223,756	2,218,255	10,761	7.5	1825	47,700	4.3	1,575	6,880	0.62	115.1
8/30/17 14:15	3,578	7,737	99%	2,300,587	2,295,086	11,042	7.7	1825	NM	4.4	1,606	NM	0.63	119.6

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

				Water Extraction				LNAPL		TPHg			Benzene		
Date (mm/dd/yy)	Hour Meter Reading	SV-3102 (hrs)	Total Uptime*	Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Cumulative recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
9/7/17 8:00	3,578	7,870	97%	2,352,720	2,347,219	9,407	6.5	1825	NM	1.1	1,611	NM	0.09	120.0
9/20/17 9:52	3,578	8,013	88%	2,411,690	2,406,189	9,897	6.9	1825	13,500	1.1	1,618	1,120	0.09	120.6
9/29/17 9:35	3,578	8,183	82%	2,480,603	2,475,102	9,729	6.8	1825	NM	1.1	1,626	NM	0.09	121.2
10/2/17 14:20	3,578	8,255	99%	2,504,617	2,499,116	8,005	5.6	1825	NM	1.5	1,630	NM	0.07	121.5
10/10/17 16:30	3,578	8,396	78%	2,560,141	2,554,640	9,451	6.6	1825	NM	1.8	1,641	NM	0.09	122.0
10/16/17 9:30	3,578	8,535	100%	2,569,277	2,563,776	1,577	1.1	1825	22,500	0.3	1,643	1,080	0.01	122.0
10/20/17 6:30	3,578	8,621	92%	2,582,850	2,577,349	3,788	2.6	1825	NM	0.7	1,645	NM	0.03	122.2
11/1/17 14:45	3,578	8,860	97%	2,616,164	2,610,663	3,345	2.3	1825	NM	1.1	1,656	NM	0.06	122.8
11/7/17 8:00	3,578	8,993	97%	2,638,991	2,633,490	4,119	2.9	1825	NM	1.4	1,664	NM	0.07	123.2
11/20/17 14:25	3,578	9,267	88%	2,695,549	2,690,048	4,954	3.4	1825	40,400	1.7	1,683	2,110	0.09	124.1
11/29/17 13:45	3,578	9,425	99%	2,725,691	2,720,190	4,579	3.2	1825	NM	1.5	1,693	NM	0.08	124.7
12/4/17 9:15	3,578	9,540	100%	2,742,200	2,736,699	3,445	2.4	1825	NM	0.8	1,697	NM	0.04	124.9
12/7/17 11:30	3,578	9,612	100%	2,749,640	2,744,139	2,480	1.7	1825	NM	0.6	1,699	NM	0.03	125.0
12/11/17 14:05	3,578	9,711	100%	2,759,399	2,753,898	2,366	1.6	1825	28,000	0.6	1,701	1,560	0.03	125.1
12/13/17 8:23	3,578	9,754	100%	2,763,143	2,757,642	2,090	1.5	1825	NM	0.5	1,702	NM	0.03	125.2
12/18/17 10:15	3,578	9,846	100%	2,770,770	2,765,269	1,990	1.4	1825	NM	0.5	1,704	NM	0.03	125.3
12/20/17 13:30			System off for winterization											
2/9/18 13:00		9,962	100%	2,800,314	2,794,813	6,113	4.2	1825	NM	2.5	1,716	NM	0.31	126.8
2/16/18 13:00		9,978	23%	2,807,927	2,802,426	11,420	7.9	1825	49,800	4.7	1,719	6,050	0.58	127.1
3/1/18 8:10		10,191	99%	2,873,717	2,868,216	7,413	5.1	1825	NM	1.1	1,729	NM	0.01	127.2
3/5/18 9:10		10,279	98%	2,900,156	2,894,655	7,211	5.0	1825	NM	1.1	1,733	NM	0.01	127.3
3/15/18 9:00		10,478	87%	2,990,663	2,985,162	10,915	7.6	1825	18,400	1.7	1,747	186	0.02	127.4
3/19/18 8:00		10,566	100%	3,024,765	3,019,264	9,301	6.5	1825	NM	1.4	1,752	NM	0.01	127.5
4/2/18 7:30		10,723	47%	3,089,084	3,083,583	9,832	6.8	1825	NM	2.3	1,767	NM	0.17	128.6
4/6/18 9:40		10,723	0%	3,091,545	3,086,044	0	0.0	1825	NM	0.0	1,767	NM	0.00	128.6
4/12/18 14:40		10,814	61%	3,122,115	3,116,614	8,062	5.6	1825	NM	1.9	1,774	NM	0.14	129.1
4/17/18 10:15		10,923	94%	3,141,330	3,135,829	4,231	2.9	1825	27,600	1.0	1,779	2,020	0.07	129.4
4/23/18 13:00		11,047	84%	3,166,938	3,161,437	4,956	3.4	1825	NM	1.1	1,785	NM	0.08	129.8
4/30/18 8:00		11,209	99%	3,239,670	3,234,169	10,775	7.5	1825	NM	2.5	1,801	NM	0.18	131.1
5/7/18 8:00		11,348	91%	3,293,595	3,288,094	9,311	6.5	1825	NM	2.2	1,814	NM	0.08	131.5
5/16/18 9:00		11,497	69%	3,349,042	3,343,541	8,931	6.2	1825	27,800	2.1	1,827	1,030	0.08	132.0
5/23/18 15:30		11,667	99%	3,398,479	3,392,978	6,979	4.8	1825	NM	1.6	1,838	NM	0.06	132.4
5/30/18 8:55		11,827	99%	3,434,241	3,428,740	5,364	3.7	1825	NM	1.2	1,847	NM	0.05	132.7
6/6/18 6:30		11,985	95%	29,067	3,457,807	4,415	3.1	1825	NM	1.7	1,858	NM	0.08	133.3
6/8/18 7:20		12,032	96%	46,829	3,475,569	9,070	6.3	1825	NM	3.5	1,864	NM	0.17	133.6
6/13/18 7:30		12,055	97%	52,217	3,480,957	5,622	3.9	1825	45,600	2.1	1,866	2,260	0.11	133.7
6/18/18 9:00		12,177	100%	81,976	3,510,716	5,854	4.1	1825	NM	2.2	1,878	NM	0.11	134.3
6/25/18 8:45		12,340	97%	111,917	3,540,657	4,408	3.1	1825	NM	1.7	1,889	NM	0.08	134.8
7/3/18 6:50		12,526	98%	226,867	3,655,607	14,832	10.3	1825	NM	8.1	1,952	NM	0.72	140.4
7/17/18 9:45		12,853	96%	302,917	3,731,657	5,582	3.9	1962	65,300	3.0	1,993	5,800	0.27	144.1
7/31/18 11:20		13,183	98%	386,950	3,815,690	6,111	4.2	2175	NM	3.3	2,039	NM	0.30	148.2
8/6/18 14:00		13,327	98%	456,417	3,885,157	11,578	8.0	2175	NM	2.2	2,052	NM	0.20	149.4
8/13/18 8:00		13,444	99%	506,417	3,935,157	10,256	7.1	2175	22,500	1.9	2,061	2,070	0.18	150.2
8/20/18 10:05		13,548	100%	545,407	3,974,147	8,998	6.2	2175	NM	1.7	2,069	NM	0.16	150.9
8/23/18 11:00		13,618	96%	574,198	4,002,938	9,871	6.9	2175	NM	1.9	2,074	NM	0.17	151.4
8/30/18 13:30		13,783	100%	611,177	4,039,917	5,379	3.7	2175	NM	1.0	2,081	NM	0.09	152.0
9/5/18 15:00		13,922	99%	653,168	4,081,908	7,250	5.0	2175	NM	1.1	2,088	NM	0.06	152.4
9/12/18 8:00		13,989	100%	682,666	4,111,406	10,566	7.3	2175	19,000	1.7	2,092	963	0.08	152.6
9/24/18 8:20		14,249	90%	774,327	4,203,067	8,461	5.9	2175	NM	1.3	2,107	NM	0.07	153.3
10/8/18 10:00		14,572	96%	856,389	4,285,129	6,097	4.2	2175	12,700	0.81	2,123	1,540	0.06	154.2
10/16/18 11:00		14,686	62%	882,900	4,311,640	5,581	3.9	2175	NM			NM		
10/25/18 9:00		14,885	93%	903,167	4,331,907	2,444	1.7	2175	NM			NM		
10/30/18 12:30		14,991	86%	918,400	4,347,140	3,449	2.4	2175	NM			NM		
11/1/18 7:30		15,035	100%	921,957	4,350,697	1,940	1.3	2175	NM			NM		
11/5/18 8:20		15,132	100%	930,167	4,358,907	2,031	1.4	2175	NM			NM		
11/8/18 8:40		15,205	100%	938,367	4,367,107	2,696	1.9	2175	15,300	0.31	2,137	2,140	0.04	155.6
11/12/18 8:49		15,301	100%	946,787	4,375,527	2,105	1.5	2175	NM			NM		
11/21/18 7:36		15,508	96%	954,927	4,383,667	944	0.7	2175	NM			NM		
11/29/18 8:40		15,627	62%	989,100	4,417,840	6,892	4.8	2175	NM			NM		
12/4/18 8:27		15,744	98%	997,057	4,425,797	1,632	1.1	2175	NM			NM		
12/12/18 7:45		15,932	98%	1,016,647	4,445,387	2,501	1.7	2180	31,600	0.49	2,150	1,460	0.04	156.8
12/21/18 8:35		16,039	92%	1,030,267	4,459,007	3,055	2.1	2180	NM			NM		
1/2/19 8:25		16,328	100%	1,063,537	4,492,277	2,763	1.9	2180	NM			NM		
1/9/19 9:15		16,457	78%	1,078,577	4,507,317	2,798	1.9	2180	31,400	0.74	2,163	1,750	0.04	157.6
1/14/19 9:15		16,578	100%	1,092,267	4,521,007	2,715	1.9	2180	NM			NM		
1/21/19 8:15		16,742	98%	1,103,117	4,531,857	1,588	1.1	2180	NM			NM		
1/28/19 9:09		16,910	99%	1,114,627	4,543,367	1,644	1.1	2180	NM			NM		
2/8/19 10:00		17,170	100%	1,134,637	4,563,377	1,847	1.3	2180	NM			NM		
2/13/19 12:00		17,290	100%	1,144,347	4,573,087	1,942	1.3	2180	24,500	0.45	2,184	746	0.02	158.6
2/18/19 9:50		17,406	100%	1,158,237	4,586,977	2,874	2.0	2180	NM			NM		
2/25/19 8:10		17,572	100%	1,175,557	4,604,297	2,504	1.7	2180	NM			NM		
3/22/19 8:25		17,827	100%	1,196,417	4,625,157	1,963	1.4	2180	25,200	0.41	2,193	1,600	0.02	159.0
3/29/19 9:23		17,995	99%	1,211,678	4,640,418	2,180	1.5	2180	NM			NM		
4/2/19 7:25		18,086	97%	1,221,777	4,650,517	2,663	1.8	2180	NM			NM		
5/9/19 13:00		18,128	23%	1,224,823	4,653,563	1,741	1.2	2180	NM			NM		
5/13/19 11:30		18,221	100%	1,230,900	4,659,640	1,568	1.1	2180	NM			NM		
5/22/19 8:20		18,435	100%	1,241,317	4,670,057	1,168	0.8	2180	21,600	0.23	2,201	1,860	0.02	159.5
5/28/19 7:10		18,578	100%	1,246,707	4,675,447	905	0.6	2180	NM			NM		
6/12/19 7:30		18,915	99%	1,279,535	4,708,275	2,338	1.6	2180	NM			NM		
6/13/19 7:45		18,938	95%	1,283,200	4,711,940	3,824	2.7	2180	8,550	0.48	2,209	443	0.04	160.1
6/20/19 7:00		19,105	100%	1,301,257	4,729,997	2,595	1.8	2180	NM			NM		
7/15/19 8:10		19,176	100%	1,303,809	4,732,549	863	0.6	2220	NM			NM		
7/23/19 10:15		19,365	100%	1,303,809	4,732,549	0	0.0	2237	37,700	0.00	2,213	4,820	0.00	160.4
8/2/19 7:20		19,561	85%	1,305,193	4,733,933	169	0.1	2431	NM			NM		
8/8/19 7:30		19,706	100%	1,306,182	4,734,922	164	0.1	2510	NM			NM		
8/16/19 7:00		19,885	93%	1,308,382	4,737,122	295	0.2	2593	104,000	0.17	2,215	20,500	0.03	160.7
8/23/19 6:45		20,011	75%	1,309,770	4,738,510	264	0.2	2593	NM			NM		
8/30/19 6:30		20,179	100%	1,310,858	4,739,598	155	0.1	2816	NM			NM		
9/16/19 9:00		20,548	90%	1,311,908	4,740,648	68	0.05	2960	104,000	0.06	2,218	21,000	0.01	161.3
9/30/19 8:30		20,767	100%	1,312,735	4,741,475	91	0.1	3137	NM			NM		
10/7/19 8:55		20,930	99%	1,313,725	4,742,465	114	0.1	3202	NM			NM		
10/11/19 8:15		21,026	100%	1,313,906	4,742,646	45	0.03	3202	111,000	0.07	2,219	23,600	0.01	161.6
10/16/19 11:30		21,097	100%	1,313,987	4,742,727	27	0.02	3309	NM			NM		
10/23/19 8:00		21,258	98%	1,314,008	4,742,748	3	0.002	3309	NM			NM		
10/28/19 7:15		21,387	100%	1,314,859	4,743,599	158	0.11	3515	NM			NM		
11/4/19 8:15		21,547	100%	1,314,859	4,743,599	0	0.00	3629	NM			NM		
11/8/19 8:30		21,644	100%	1,314,900	4,743,640	10	0.01	3629	136,000	0.04	2,221	23,000	0.008	161.9
11/18/19 8:00		21,883	100%	1,315,640	4,744,380	74	0.05	3758	NM			NM		
11/25/19 7:30		22,051	100%	1,315,640	4,744,380	0	0.00	3816	NM			NM		
12/4/19 8:15		22,202	70%	1,315,740	4,744,480	16	0.01	3816	NM			NM		
12/9/19 7:15		22,319	98%	1,315,786	4,744,526	9	0.01	3898	NM			NM		
12/16/19 11:00		22,487	100%	1,316,046	4,744,786	37	0.03	3898	121,000	0.03	2,222	23,900	0.005	162.1
12/30/19 7:30		22,818	100%	1,317,952	4,746,692	138	0.10	4029	NM			NM		
1/6/20 9:30		22,988	100%	1,318,020	4,746,760	10	0.01	4120	NM			NM		
1/16/20 8:35		23,212	97%	1,320,668	4,749,408	284	0.20	4238	181,000	0.15	2,225	23,100	0.023	162.5
1/27/20 7:30		23,410	100%	1,321,247	4,749,987	70	0.05	4336	NM			NM		
2/6/20 9:10		23,650	99%	1,322,111	4,750,851	86	0.06	4361	189,000	0.23	2,228	30,500	0.033	163.0
2/10/20 7:50		23,745	100%	1,322,957	4,751,697	214	0.15	4412	NM			NM		
2/18/20 7:50		23,937	100%	1,323,800	4,752,540	105	0.07	4489	NM			NM		
3/2/20 7:50		24,154	100%	1,325,617	4,754,357	201	0.14	4541	NM			NM		
3/9/20 7:50		24,321	99%	1,327,275	4,756,015	238	0.17	4594	NM			NM		

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

				Water Extraction				LNAPL		TPHg			Benzene		
Date (mm/dd/yy)	Hour Meter Reading	SV-3102 (hrs)	Total Uptime*	Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Cumulative recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
3/16/20 9:30		24,473	90%	1,341,698	4,770,438	2,277	1.58	4646	136,000	0.71	2,244	10,400	0.089	165.1
3/23/20 11:00		24,580	63%	1,369,220	4,797,960	6,173	4.29	4753	NM			NM		
3/30/20 8:00		24,743	99%	1,407,817	4,836,557	5,683	3.95	5038	NM			NM		
4/9/20 10:00		24,981	98%	1,460,427	4,889,167	5,305	3.68	5397	192,000	6.65	2,322	19,200	0.600	172.4
4/13/20 9:00		25,076	100%	1,478,777	4,907,517	4,636	3.22	5479	NM			NM		
4/20/20 8:45		25,239	97%	1,510,862	4,939,602	4,724	3.28	5565	NM			NM		
5/4/20 12:20		25,288	100%	1,522,473	4,951,213	5,687	3.95	5724	NM			NM		
5/11/20 11:35		25,396	65%	1,548,187	4,976,927	5,714	3.97	5892	NM			NM		
5/19/20 9:30		25,586	100%	1,584,267	5,013,007	4,557	3.16	6044	178,000	7.88	2,505	14,200	0.711	188.9
5/22/20 11:00		25,608	100%	1,589,847	5,018,587	6,087	4.23	6122	NM			NM		
5/26/20 8:30		25,702	100%	1,608,417	5,037,157	4,741	3.29	6201	NM			NM		
6/2/20 7:56		25,870	100%	1,642,557	5,071,297	4,877	3.39	6254	NM			NM		
6/8/20 9:00		25,949	54%	1,659,507	5,088,247	5,149	3.58	6334	149,000	6.93	2,617	17,800	0.679	199.4
6/15/20 8:45		26,040	99%	1,683,767	5,112,507	6,398	4.44	6443	NM			NM		
6/22/20 7:30		26,206	100%	1,720,617	5,149,357	5,328	3.70	6554	NM			NM		
7/1/20 6:30		26,420	100%	1,770,857	5,199,597	5,634	3.91	6695	NM			NM		
7/10/20 8:30		26,638	100%	1,822,427	5,251,167	5,677	3.94	6839	NM			NM		
7/15/20 9:15		26,759	100%	1,855,637	5,284,377	6,587	4.57	6985	278,000	10.33	2,908	29,400	1.141	230.2
7/21/20 14:43		26,905	100%	1,907,808	5,336,548	8,576	5.96	7045	NM			NM		
7/27/20 7:00		27,041	100%	1,969,437	5,398,177	10,876	7.55	7135	NM			NM		
8/7/20 8:00		27,306	100%	2,094,637	5,523,377	11,339	7.87	7201	NM			NM		
8/10/20 9:20		27,380	100%	2,130,037	5,558,777	11,481	7.97	7207	93,400	15.14	3,238	8,460	1.544	264.9
8/17/20 7:15		27,546	100%	2,222,767	5,651,507	13,407	9.31	7244	NM			NM		
8/26/20 6:50		27,761	100%	2,339,847	5,768,587	13,069	9.08	7310	NM			NM		
9/4/20 7:30		27,977	100%	2,467,357	5,896,097	14,168	9.84	7328	NM			NM		
9/9/20 7:15		28,096	99%	2,543,377	5,972,117	15,332	10.65	7334	NM			NM		
9/15/20 8:30		28,241	100%	2,645,557	6,074,297	16,913	11.74	7337	54,200	8.66	3,665	5,640	0.827	307.4
9/21/20 8:00		28,385	100%	2,747,597	6,176,337	17,007	11.81	7340	NM			NM		
9/30/20 7:30		28,600	100%	2,912,047	6,340,787	18,357	12.75	7349	NM			NM		
10/5/20 13:45		28,721	97%	2,937,727	6,435,306	18,748	13.02	7349	NM			NM		
10/12/20 9:00		28,885	100%	3,020,527	6,518,106	12,117	8.41	7355	NM			NM		
10/13/20 9:15		28,909	99%	3,034,957	6,532,536	14,430	10.02	7355	42,300	6.63	3,849	3,790	0.65	325
10/21/20 8:27		29,099	99%	3,151,937	6,649,516	14,776	10.26	7368	NM			NM		
10/26/20 8:30		29,207	90%	3,197,107	6,694,686	10,038	6.97	7374	NM			NM		
11/11/20 9:45		29,569	94%	3,346,947	6,844,526	9,934	6.90	7411	69,900	5.31	3,995	3,290	0.34	335
11/18/20 12:40		29,740	100%	3,405,267	6,902,846	8,185	5.68	7496	NM			NM		
11/23/20 8:00		29,855	100%	3,413,650	6,911,229	1,749	1.21	7503	NM			NM		
12/3/20 9:35		29,860	100%	3,416,087	6,913,666	11,698	8.12	7531	NM			NM		
12/9/20 9:20		29,907	100%	3,439,577	6,937,156	11,995	8.33	7531	71,800	3.89	4,050	3,650	0.19	337
12/22/20 9:15		30,217	99%	3,533,897	7,031,476	7,302	5.07	7594	NM			NM		
1/4/21 8:30		30,528	100%	3,584,317	7,121,898	6,978	4.85	7660	NM			NM		
1/18/21 9:45		30,847	96%	3,658,367	7,195,948	5,571	3.87	7754	185,000	7.08	4,327	7,800	0.32	350
1/28/21 9:28		31,087	100%	3,696,277	7,233,858	3,791	2.63	7817	NM			NM		
2/5/21 9:25		31,252	97%	3,738,667	7,276,248	6,166	4.28	7857	NM			NM		
2/12/21 9:15		31,420	100%	3,824,597	7,362,178	12,276	8.52	7888	NM			NM		
2/18/21 9:00		31,564	100%	3,923,887	7,461,468	16,548	11.49	7919	113,000	11.05	4,657	4,470	0.45	363
3/1/21 9:00		31,821	97%	4,100,297	7,637,878	16,474	11.44	7993	NM			NM		
3/10/21 8:30		32,038	100%	4,271,577	7,809,158	18,943	13.16	8068	79,500	14.14	4,936	3,660	0.60	375
4/5/21 10:00		32,517	90%	4,622,150	8,159,731	17,565	12.20	8222	NM			NM		
4/21/21 8:45		32,824	98%	4,802,087	8,339,668	14,067	9.77	8248	60,100	9.43	5,245	3,080	0.46	390
4/29/21 7:35		33,014	100%	4,917,337	8,454,918	14,558	10.11	8256	NM			NM		
5/13/21 9:45		33,353	100%	5,142,887	8,680,468	15,968	11.09	8275	38,300	6.35	5,385	2,950	0.39	399
5/25/21 8:30		33,639	100%	5,383,727	8,921,308	20,210	14.03	8301	NM			NM		
6/30/21 10:30		33,835	63%	5,540,487	9,078,068	19,195	13.33	8301	54,200	7.64	5,539	2,590	0.46	408
7/8/21 10:00		34,027	100%	5,671,737	9,209,318	16,406	11.39	8301	NM			NM		
7/20/21 9:15		34,314	100%	5,887,817	9,425,398	18,069	12.55	8301	36,400	6.58	5,670	2,620	0.38	415
7/28/21 10:35		34,492	92%	6,053,197	9,590,778	22,298	15.49	8312	NM			NM		
8/5/21 9:10		34,682	100%	6,205,917	9,743,498	19,291	13.40	8312	21,000	4.97	5,746	750	0.29	420
8/12/21 14:25		34,799	68%	6,300,171	9,837,752	19,334	13.43	8312	NM			NM		
8/30/21 8:30		34,986	67%	6,529,987	10,067,568	29,495	20.48	8312	NM			NM		
9/9/21 8:00		34,986	100%	6,686,677	10,224,258	16,279	11.31	8312	NM			NM		
9/14/21 10:00		34,986	100%	6,770,627	10,308,208	16,118	11.19	8312	9,400	2.25	5,818	2,500	0.24	427
9/28/21 7:45		34,986	99%	6,990,423	10,528,004	15,794	10.97	8315	NM			NM		
10/6/21 11:56		34,986	95%	7,126,697	10,664,278	17,872	12.41	8318	NM			NM		
10/13/21 8:40		35,030	100%	7,257,047	10,794,628	18,621	12.93	8322	11,000	1.45	5,859	2,000	0.32	437
10/22/21 8:44		35,127	100%	7,428,787	10,966,368	18,821	13.07	8322	NM			NM		
10/27/21 11:42		35,248	100%	7,551,307	11,088,888	23,524	16.34	8322	NM			NM		
11/3/21 10:10		35,415	100%	7,711,957	11,249,538	22,680	15.75	8322	18,000	2.57	5,914	1,300	0.29	443
11/16/21 10:15		35,659	80%	7,934,607	11,472,188	21,460	14.90	8322	NM			NM		
11/24/21 9:44		35,851	100%	8,084,617	11,622,198	18,463	12.82	8322	NM			NM		
12/1/21 9:16		36,017	100%	8,208,973	11,746,554	17,660	12.26	8322	NM			NM		
12/8/21 9:55		36,185	100%	8,331,807	11,869,388	17,240	11.97	8322	11,000	2.30	5,989	1,600	0.23	450
12/21/21 10:30		36,466	92%	8,522,807	12,060,388	16,028	11.13	8328	NM			NM		
1/5/22 9:52		36,825	100%	8,743,717	12,281,298	14,486	10.06	8331	NM			NM		
1/17/22 10:10		37,100	97%	8,913,497	12,451,078	14,605	10.14	8333	25,000	2.25	6,076	1,900	0.22	459
1/28/22 9:45		37,364	100%	9,089,377	12,626,958	15,750	10.94	8333	NM			NM		
2/3/22 8:40		37,506	100%	9,183,537	12,721,118	15,585	10.82	8333	NM			NM		
2/10/22 9:25		37,674	100%	9,315,847	12,853,428	18,462	12.82	8333	16,000	2.82	6,145	930	0.19	464
2/16/22 9:00		37,817	100%	9,423,887	12,961,468	17,882	12.42	8333	NM			NM		
3/4/22 11:45		38,056	63%	9,586,837	13,124,418	16,094	11.18	8345	NM			NM		
3/9/22 9:35		38,174	100%	9,672,507	13,210,088	17,134	11.90	8345	17,000	2.32	6,194	1,300	0.16	467
3/22/22 12:17		38,482	100%	9,842,517	13,380,098	12,791	8.88	8345	NM			NM		
3/28/22 8:39		38,593	NM	9,868,997	13,406,578	4,572	3.18	8345	NM			NM		
4/12/22 9:21		38,614	27%	9,894,427	13,432,008	4,391	3.05	8345	12,000	1.41	6,221	1,000	0.11	469
4/21/22 8:59		38,829	100%	10,000,437	13,538,018	11,618	8.07	8345	NM			NM		
4/27/22 12:09		38,976	100%	10,102,287	13,639,868	16,405	11.39	8345	NM			NM		
5/2/22 8:55		39,092	100%	10,170,597	13,708,178	13,777	9.57	8345	NM			NM		
5/10/22 9:37		39,278	99%	10,255,167	13,792,748	10,627	7.38	8345	21,000	1.76	6,271	1,000	0.11	472
5/17/22 10:57		39,373	58%	10,301,477	13,839,058	11,341	7.88	8345	NM			NM		
5/23/22 9:49		39,434	43%	10,332,177	13,869,758	12,079	8.39	8377	NM			NM		
6/1/22 9:39		39,651	100%	10,433,567	13,971,148	11,266	7.82	8388	30,000	2.43	6,309	3,800	0.23	476
6/6/22 11:16		39,768	100%	10,480,007	14,017,588	8,988	6.24	8388	NM			NM		
6/14/22 12:42		39,962	100%	10,532,847	14,070,428	6,437	4.47	8388	NM			NM		
7/14/22 13:04		40,340	66%	10,663,407	14,200,988	6,542	4.54	8388	28,000	1.67	6,364	2,100	0.17	481
7/18/22 10:16		40,434	70%	10,687,547	14,225,128	8,913	6.19	8388	NM			NM		
8/1/22 15:15		40,648	73%	10,732,627	14,270,208	4,345	3.02	8388	NM			NM		
8/4/22 11:30		40,713	100%	10,755,047	14,292,628	7,751	5.38	8388	24,000	0.99	6,384	2,100	0.08	483
8/8/22 10:27		40,811	100%	10,784,727	14,322,308	12,947	8.99	8388	NM			NM		
8/17/22 11:09		41,027	100%	10,853,997	14,391,578	7,557	5.25	8394	NM			NM		
8/25/22 9:00		41,213	100%	10,897,837	14,435,418	5,452	3.79	8394	NM			NM		
9/1/22 14:46		41,366	96%	10,937,157	14,474,738	6,208	4.31	8394	NM			NM		
9/6/22 11:21		41,483	99%	10,965,007	14,502,588	5,617	3.90	8394	NM			NM		
9/12/22 12:19		41,627	100%	10,976,617	14,514,198	1,896	1.32	8394	7,400	0.75	6,413	82	0.05	485
9/19/22 10:10		41,793	100%	10,992,457	14,530,038	2,249	1.56	8394	NM			NM		
9/26/22 9:03		41,960	100%	11,031,027	14,568,608	5,445	3.78	8394	NM			NM		
10/3/22 12:49		42,130	100%	11,061,487	14,599,068	4,250	2.95	8400	3,800	0.19	6,417	31	0.00	485
10/10/22 11:53		42,296	100%	11,092,657	14,630,238	4,427	3.07	8400	NM			NM		
10/17/22 9:40		42,461	100%	11,139,267	14,676,848	6,580	4.57	8400	NM			NM		
10/24/22 11:02		42,631	100%	11,179,307	14,716,888	5,587	3.88	8400	NM			NM		
11/1/22 10:54		42,633	2%	11,179,717	14,717,298	3,280	2.28	8400	NM			NM		
11/7/22 11:46		42,779	100%	11,208,327	14,745,908	4,639	3.22	8400	5,800	0.21	6,423	770	0.02	485
11/15/22 8:32		42,968	100%	11,258,687	14,796,268	6,262	4.35	8400	NM			NM		
11/21/22 11:28		43,115	100%	11,296,207	14,833,788	6,084	4.23	8400	NM			NM		
12/1/22 11:13		43,354	100%	11,420,457	14,958,038	12,221	8.49	8400	NM			NM		
12/5/22 9:59		43,449	100%	11,464,977	15,002,558	11,015	7.65	8400	NM			NM		

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

				Water Extraction				LNAPL	TPHg			Benzene		
Date (mm/dd/yy)	Hour Meter Reading	SV-3102 (hrs)	Total Uptime*	Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)	Average Flow Rate (gpm)	Cumulative recovery (gallons)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Removal Rate (ppd)	Cumulative Recovery (pounds)
12/12/22 11:00		43,620	100%	11,533,467	15,071,048	9,502	6.60	8400	29,000	1.32	6,470	2,600	0.13	490
12/19/22 10:39		43,783	99%	11,564,527	15,102,108	4,491	3.12	8400	NM			NM		
12/22/22 13:00		43,855	97%	11,576,607	15,114,188	4,027	2.80	8400	NM			NM		
12/30/22 9:00		System off.												
1/31/23 12:15		43,885	3%	11,577,917	15,115,498	1,048	0.73	8400	27,000	0.90	6,481	3,700	0.10	491
2/6/23 9:46		44,027	100%	11,577,987	15,115,568	12	0.01	8400	NM			NM		
2/13/23 9:00		44,195	100%	11,578,877	15,116,458	127	0.09	8400	NM			NM		
2/23/23 12:00		44,438	100%	11,580,767	15,118,348	187	0.13	8400	34,000	0.03	6,481	4,100	0.00	491
2/28/23 14:39		44,560	99%	11,584,127	15,121,708	661	0.46	8400	NM			NM		
3/6/23 0:00		System off.												
3/15/23 10:44		44,611	14%	11,587,577	15,125,158	1,624	1.13	8403	NM			NM		
3/23/23 10:00		44,800	99%	11,591,127	15,128,708	451	0.31	8403	18,000	0.14	6,484	2,100	0.02	491
3/27/23 11:53		44,896	98%	11,593,527	15,131,108	600	0.42	8406	NM			NM		
4/3/23 13:42		45,064	99%	11,608,967	15,146,548	2,206	1.53	8413	NM			NM		
4/11/23 10:53	31,659	45,137	39%	11,650,057	15,187,638	13,509	9.38	8413	NM			NM		
4/18/23 13:32	31,807	45,137	87%	11,686,197	15,223,778	5,861	4.07	8413	NM			NM		
4/24/23 13:48	31,951	45,137	100%	11,722,867	15,260,448	6,112	4.24	8422	22,000	0.69	6,506	1,600	0.06	494
5/1/23 12:21	32,118	45,137	100%	11,755,627	15,293,208	4,708	3.27	8425	NM			NM		
5/11/23 10:37	32,357	45,137	100%	11,800,837	15,338,418	4,540	3.15	8425	22,000	0.83	6,520	1,100	0.05	494
5/15/23 14:57	32,454	45,134	97%	11,817,827	15,355,408	4,204	2.92	8425	NM			NM		
5/24/23 12:21	32,667	45,137	100%	11,849,427	15,387,008	3,561	2.47	8425	NM			NM		
6/1/23 14:33	32,670	45,138	1%	11,850,297	15,387,878	6,960	4.83	8425	NM			NM		
6/6/23 11:46	32,760	45,227	76%	11,863,377	15,400,958	3,488	2.42	8425	NM			NM		
6/12/23 11:30	32,904	45,377	100%	11,896,487	15,434,068	5,518	3.83	8437	NM			NM		
6/20/23 10:00	33,093	45,561	97%	11,947,557	15,485,138	6,485	4.50	8437	34,000	1.10	6,554	2,700	0.07	497
6/29/23 10:11	33,309	45,777	100%	11,978,237	15,515,818	3,409	2.37	8437	NM			NM		
7/6/23 10:17	33,477	45,945	100%	11,993,117	15,530,698	2,126	1.48	8437	NM			NM		
7/10/23 10:12	33,573	46,041	100%	11,999,247	15,536,828	1,533	1.06	8444	NM			NM		
7/13/23 8:38	33,644	46,111	100%	12,022,667	15,560,248	7,917	5.50	8444	16,000	0.57	6,570	860	0.04	498
7/17/23 12:25	33,743	46,211	99%	12,048,687	15,586,268	6,308	4.38	8449	NM			NM		
7/20/23 12:00	33,812	46,279	96%	12,066,457	15,604,038	6,181	4.29	NM	NM			NM		
7/27/23 13:24	33,844	46,312	42%	12,074,297	15,611,878	6,086	4.23	8449	NM			NM		
8/4/23 10:53	34,035	46,502	100%	12,132,407	15,669,988	7,302	5.07	8449	NM			NM		
8/10/23 8:34	34,176	46,643	100%	12,171,197	15,708,778	6,603	4.59	8449	NM			NM		
9/27/23 14:00	34,245	46,712	6%	12,190,847	15,728,428	6,835	4.75	8451	12,000	0.77	6,589	730	0.04	499
9/28/23 9:38	34,264	46,732	97%	12,196,057	15,733,638	6,581	4.57	8451	12,000	0.63	6,590	720	0.04	499
9/29/23 10:00	34,289	46,757	100%	12,203,667	15,741,248	7,306	5.07	8451	15,000	0.79	6,591	740	0.04	499
10/3/23 11:02	34,386	46,853	100%	12,237,207	15,774,788	8,299	5.76	8451	NM			NM		
10/12/23 10:40	34,434	46,902	22%	12,244,857	15,782,438	3,825	2.66	8451	NM			NM		
10/20/23 12:59	34,558	47,026	64%	12,262,707	15,800,288	3,455	2.40	8451	17,000	0.69	6,599	1,100	0.04	499
10/25/23 11:49	34,676	47,143	99%	12,290,807	15,828,388	5,715	3.97	8451	NM			NM		
11/20/23 14:13	34,846	47,313	27%	12,359,957	15,897,538	9,762	6.78	8466	14,000	1.03	6,611	1,200	0.08	500
11/30/23 13:39	34,852	47,320	3%	12,362,437	15,900,018	9,920	6.89	8466	NM			NM		
12/7/23 11:39	34,858	47,325	4%	12,362,867	15,900,448	1,720	1.19	8475	29,000	0.96	6,612	1,600	0.06	500
12/22/23 9:37	34,904	47,371	13%	12,367,817	15,905,398	2,583	1.79	8475	NM			NM		
12/30/23 14:10	35,100	47,568	100%	12,397,517	15,935,098	3,637	2.53	8481	NM			NM		
1/4/24 11:49	35,217	47,686	99%	12,416,637	15,954,218	3,922	2.72	8481	NM			NM		
1/11/24 9:33	35,383	47,851	100%	12,441,157	15,978,738	3,545	2.46	8481	18,000	0.69	6,627	1,200	0.04	501
1/18/24 10:30	35,444	47,912	36%	12,447,117	15,984,698	2,345	1.63	8481	NM			NM		
1/25/24 14:35	35,616	48,084	100%	12,466,907	16,004,488	2,761	1.92	8481	NM			NM		
1/30/24 16:19	35,737	48,205	99%	12,485,547	16,023,128	3,697	2.57	8481	NM			NM		
2/6/24 9:13	35,898	48,367	100%	12,502,987	16,040,568	2,600	1.81	8481	NM			NM		
2/12/24 9:00	36,037	48,505	97%	12,520,517	16,058,098	3,027	2.10	8487	NM			NM		
2/20/24 13:00	36,231	48,699	99%	12,551,337	16,088,918	3,813	2.65	8487	51,600	0.89	6,659	2,060	0.04	503
2/27/24 11:00	36,397	48,865	100%	12,576,837	16,114,418	3,687	2.56	8487	NM			NM		
3/14/24 9:58	36,610	49,079	56%	12,622,087	16,159,668	5,099	3.54	8487	49,100	1.84	6,689	1,790	0.07	504
3/22/24 10:40	36,803	49,271	100%	12,650,438	16,188,019	3,526	2.45	8487	NM			NM		
3/29/24 12:26	36,810	49,393	72%	12,662,677	16,200,258	2,408	1.67	8487	NM			NM		
4/2/24 8:46	36,903	49,485	100%	12,682,427	16,220,008	5,097	3.54	8492	39,100	1.29	6,711	1,200	0.04	505
4/8/24 10:28	37,048	49,631	100%	12,731,257	16,268,838	8,082	5.61	8492	NM			NM		
4/16/24 13:06	37,102	49,685	28%	12,753,247	16,290,828	9,773	6.79	8515	NM			NM		
4/26/24 11:23	37,174	49,760	30%	12,775,017	16,312,598	7,257	5.04	8515	NM			NM		
4/30/24 13:24	37,275	49,857	100%	12,814,067	16,351,648	9,279	6.44	8521	NM			NM		
5/7/24 11:33	37,441	50,024	100%	12,901,017	16,438,598	12,571	8.73	8521	30,400	2.77	6,774	881	0.08	507
5/16/24 12:30	37,655	50,238	99%	12,996,947	16,534,528	10,759	7.47	8521	NM			NM		
5/21/24 11:40	37,774	50,357	100%	13,041,237	16,578,818	8,932	6.20	8521	NM			NM		
6/25/24 14:40	37,947	50,528	21%	13,092,027	16,629,608	7,046	4.89	8521	57,000	3.24	6,844	805	0.06	508
7/2/24 10:30	37,974	50,555	16%	13,101,557	16,639,138	8,471	5.88	8521	NM			NM		
7/17/24 11:46	38,053	50,634	22%	13,133,407	16,670,988	9,676	6.72	8521	NM			NM		
7/22/24 15:30	38,109	50,691	45%	13,158,507	16,696,088	10,757	7.47	8521	19,000	3.05	6,865	641	0.06	508
8/7/24 15:08	38,209	50,789	26%	13,200,167	16,737,748	9,998	6.94	8521	NM			NM		
8/13/24 12:28	38,350	50,931	100%	13,261,787	16,799,368	10,489	7.28	8521	14,000	1.39	6,879	947	0.07	509
8/22/24 10:24	38,531	51,111	85%	13,357,847	16,895,428	12,737	8.85	8521	NM			NM		
8/27/24 10:27	38,651	51,231	100%	13,406,417	16,943,998	9,714	6.75	8521	NM			NM		
9/5/24 10:06	38,866	51,447	100%	13,542,147	17,079,728	15,151	10.52	8521	NM			NM		
9/10/24 12:22	38,896	51,476	25%	13,555,767	17,093,348	10,896	7.57	8521	11,200	1.33	6,910	571	0.08	511
9/20/24 10:21	39,134	51,714	100%	13,665,037	17,202,618	11,019	7.65	8521	NM			NM		
9/26/24 9:55	39,277	51,858	100%	13,734,417	17,271,998	11,644	8.09	8543	NM			NM		
				Maximum 1Q24 Flow Rate:		5,099	3.54							
Regulatory Limits:						<50,400	<35		**Total recovery (pounds):**		6,910	**Total recovery (pounds):**		511

Abbreviations and Notes:

(mm/dd/yy) = Month/day/year
conc = Concentration
TPPH = Total Purgeable Petroleum Hydrocarbon analyzed by method NWTPHg-X
Benzene analyzed by EPA method 8260
Average Flow Rate (gpm) = (Cumulative Flow - Previous Cumulative Flow)/[(Date Sampled - Previous Date Sampled)*1440 (minutes/day)]
Removal Rate (pounds/day) = [Influent Concentration (µg/Liter)]*[Average Flow Rate (gallons/minute)]*[3.785 (liters/gallon)]*[1440 (minutes/day)] / (1000000 (ug)*453.6 (g/lb))
Cumulative Recovery (pounds) = [Previous Cumulative Recovery (pounds)] + {[Removal Rate (pounds/day)]
NA = Not applicable
NM = not measured
NS = Not sampled
L = liter
gpm = gallon per minute
µg/L = micrograms 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/circlevali25.cgi?submit=Entry

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

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

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

	Influent					Effluent				
Date (mm/dd/yy)	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	Toluene Conc. (ppmv)	Ethylbenzene Conc. (ppmv)	Xylenes Conc. (ppmv)	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	Toluene Conc. (ppmv)	Ethylbenzene Conc. (ppmv)	Xylenes Conc. (ppmv)
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
07/20/23	9.2	0.037	0.110	0.022	0.180	<1.0	0.0007	0.0019	<0.0005	<0.0025
09/27/23	11.0	0.015	0.031	0.013	0.150	<1.0	0.0007	0.0015	<0.0005	<0.0025
10/20/23	18.0	0.150	0.300	0.068	0.410	<1.0	0.0029	0.0041	0.00075	0.0063
11/20/23	7.8	0.140	0.290	0.041	0.320	1.2	0.0011	0.0024	<0.0005	<0.0025
12/07/23	5.1	0.042	0.170	0.034	0.230	<1.0	0.0006	0.0008	<0.0005	<0.0025
01/30/24	2.3	0.022	0.040	0.006	0.047	1.0	0.0011	0.0006	<0.0005	<0.0025
02/20/24	<1.0	<0.0005	<0.0005	<0.0005	<0.0025	<1.0	<0.0005	<0.0005	<0.0005	<0.0025
03/14/24	5.5	0.042	0.120	0.033	0.260	<1.0	0.0019	<0.0005	<0.0005	<0.0025
04/02/24	2.4	0.021	0.047	0.0095	0.083	1.1	0.0016	0.0017	<0.0005	0.0028
05/07/24	6.1	0.100	0.098	0.022	0.230	<1.0	0.0006	<0.0005	<0.0005	<0.0025
06/25/24	2.4	0.003	0.004	0.003	0.029	1.1	<0.00050	0.0005	<0.0005	<0.0025
07/22/24	11.0	0.099	0.076	0.022	0.240	<1.0	0.0007	<0.0005	<0.0005	<0.0025

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

	Influent					Effluent				
Date (mm/dd/yy)	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	Toluene Conc. (ppmv)	Ethylbenzene Conc. (ppmv)	Xylenes Conc. (ppmv)	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	Toluene Conc. (ppmv)	Ethylbenzene Conc. (ppmv)	Xylenes Conc. (ppmv)
08/13/24	**40.0**	**0.500**	**0.330**	**0.056**	**0.800**	<1.0	**0.0029**	**0.0015**	<0.0005	<0.0025
09/10/24	**58.0**	**0.500**	**0.400**	**0.060**	**0.850**	<1.0	**0.0082**	**0.0012**	**0.0008**	<0.0025
Regulatory Limits (ppmv):			**N/A**					**N/A**		

Notes and Abbreviations:

mm/dd/yy = month/day/year
Conc. = concentration
N/A = not applicable
TPHg = total petroleum hydrocarbons quantified as gasoline
µg/L = micrograms per liter
<X.X = not detected at or below the detection limit indicated
ppmv = parts per million by volume
TBD = Sample taken during this time and are awaiting results

TPHg analyzed by Method TO-14M.

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

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 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)
05/08/15	0.0	NA	NM	NM	NM	NM	NM		NM	NM	1500	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/28/15	NM	NM	8.0	108.8	NM	NM	NM	NM	151	1,360		1,435	NM	NM	NM	NM	NM	NM	NM	NM
06/01/15	123	NM	8.5	115.6	10.0	NM	392	2.3	143	780		1,452	863	422	2,165	0.58	99.9%	4.6	23	0.0022
06/02/15	132	37%	6.5	88.4	8.0	NM	393	2.0	147	900		1,409	832	424	2,324	0.59	99.9%	4.6	25	0.0022
06/03/15	141	36%	7.0	95.2	8.0	NM	792	4.0	153	1,200		1,425	882	853	2,644	1.18	99.9%	9.3	29	0.0044
06/04/15	163	96%	6.0	81.6	8.0	NM	809	5.2	155	6,400		1,416	867	872	3,443	1.21	99.9%	9.5	37	0.0045
06/05/15	163	0%	SVE system not running due to problem with transfer pump from air water separator																	
06/08/15	163	0%	SVE system not running due to problem with transfer pump from air water separator																	
06/09/15	164	1%	12.0	163.2	14.5	NM	602	3.5	159	1,300		1,440	863	649	3,470	0.90	99.9%	7.0	38	0.0033
06/10/15	169	23%	9.0	122.4	10.0	NM	707	4.0	151	1,800		1,458	885	219	3,516	0.61	99.7%	2.5	38	0.0037
06/11/15	171	10%	7.0	95.2	7.0	NM	793	5.0	140	1,428		1,432	878	245	3,536	0.68	99.7%	2.8	38	0.0042
06/15/15	194	23%	9.0	122.4	10.0	NM	681	4.0	166	1,500		1,407	857	211	3,739	0.58	99.7%	2.4	41	0.0036
06/16/15	203	43%	8.0	108.8	9.0	NM	725	4.0	150	2,100		1,436	869	225	3,823	0.62	99.7%	2.6	42	0.0038
09/02/15	215	NA	4.0	54.4	5.0	0.30	467	NM	NM	NM		1,423	854	145	3,895	0.40	99.7%	11.5	47	0.0024
09/03/15	216	5%	8.0	108.8	9.0	0.50	603	NM	NM	1,800		1,411	844	675	3,923	0.45	99.9%	14.9	48	0.0061
09/08/15	223	6%	6.5	88.4	7.5	0.30	475	NM	130	2,000		1,403	822	532	4,078	0.35	99.9%	11.7	51	0.0048
09/09/15	230	30%	6.0	81.6	7.0	0.30	467		150	1,550		1,439	846	523	4,231	0.35	99.9%	11.5	55	0.0048
09/10/15	248	103%	SVE system turned off due to leaking carbon vessel.																	
09/16/15	250	1%	6.5	88.4	8.0	0.30	477		125	1,200		1,409	825	233	4,425	0.30	99.9%	5.2	59	0.0028
09/17/15	276	99%	8	109	9.0	0.40	546		135	1,941		1,441	844	267	4,715	0.35	99.9%	6.0	66	0.0032
09/22/15	290	12%	7.5	102.0	8.5	0.55	635		145	1,700		1,405	832	310	4,896	0.40	99.9%	6.9	70	0.0037
09/24/15	NM	NM	NM	NM	NM	0.45	575		NM	NM		1,440	852	281	NM	0.36	99.9%	6.3	NM	0.0033
09/25/15	338	68%	5.0	68.0	7.0	0.80	763		150	1,600		1,428	856	373	5,641	0.48	99.9%	8.3	86	0.0044
09/28/15	410	101%	5.5	74.8	6.5	0.80	766		145	900		1,426	867	374	6,765	0.49	99.9%	8.4	111	0.0045
01/21/16	NM	NM	SVE system turned off to replace fittings.																	
01/26/16	419	7%	NM	NM	NM	NM	NM		NM	NM		1,447	759	NM	NM	NM	NM	NM	NM	NM
01/27/16	426	26%	6.0	81.6	7.5	0.03	147		160	22		1,440	842	0.13	6,765	0.04	69.6%	0.0034	111	0.0007
01/28/16	447	98%	6.0	81.6	7.5	0.03	147		160	68		1,426	849	0.13	6,765	0.04	69.6%	0.0034	111	0.0007
02/02/16	572	100%	6.0	81.6	7.5	0.04	169		160	48		1,421	847	0.51	6,768	0.27	48.1%	0.0039	111	0.0008
02/08/16	717	100%	6.0	81.6	7.5	0.04	169		160	12		1,427	846	0.51	6,771	0.27	48.1%	0.0049	111	0.0033
02/10/16	767	100%	6.5	88.4	7.5	NM	NM		160	96		1,419	845	0.96	6,773	0.00	100.0%	0.0093	112	0.0062
02/17/16	858	100%	SVE system turned off.																	
02/18/16	859	4%	2.0	27.2	4.0	NM	NM		145	1.2		1,461	873	0.96	6,776	0.50	48.1%	0.0093	112	0.0062
02/19/16	878	100%	3.0	40.8	5.5	0.30	467		150	1.2		1,435	855	1.41	6,777	0.73	48.1%	0.0136	112	0.0091
02/24/16	880	2%	SVE system turned off.																	
07/11/16	07/14/16		System startup and troubleshooting after air stripper installation																	
07/14/16	887	NM	NM	NM	NM	0.1	270		NM	0.7		1,437	887	0.11	6,778	0.50	NA	0.0020	112	0.0003
08/01/16	890	NM	0.0	0.0	0.0	0.3	471		140	NM		1,448	855	0.19	6,778	0.73	NA	0.0034	112	0.0006
10/10/16	NM	NM	SVE system turned off.																	
10/24/16	907	NA	5.0	68.0	6.0	0.5	603		150	240		1,415	851	0.25	6,778	0.61	NA	0.0044	112	0.0007
10/25/16	915	33%	5.0	68.0	7.5	0.9	809		150	1,400		1,425	864	1,087	7,140	9.6	99.1%	13.2	116	0.046
10/26/16	936	100%	5.5	74.8	7.0	0.9	813		145	80.2		1,426	871	1,091	8,095	9.6	99.1%	13.3	128	0.046
11/02/16	--	--	--	--	--	--	--		--	--		--	--	49	--	0.2	99.6%	0.8	--	0.002
11/08/16	1,244	98%	6.0	81.6	6.5	0.3	428		--	205		1,431	852	34	8,532	0.1	99.6%	0.6	135	0.001
11/11/16	1,276	53%	8.0	108.8	8.0	0.4	549		130	406		1,447	864	44	8,590	0.2	99.6%	0.7	136	0.002
11/17/16	1,345	48%	4.5	61.2	5.0	0.3	473		135	118		1,419	846	38	8,698	0.2	99.6%	0.6	138	0.001
11/18/16	1,363	75%	11.0	149.6	11.0	0.3	430		140	557		1,414	839	34	8,724	0.1	99.6%	0.6	138	0.001
11/23/16	1,384	18%	4.5	61.2	3.0	0.4	513		130	112		1,466	865	41	8,759	0.2	99.6%	0.7	139	0.001
11/28/16	1,509	100%	4.0	54.4	6.0	0.4	544		140	184		1,446	854	43	8,984	0.2	99.6%	0.7	142	0.002
12/02/16	1,580	74%	9.0	122.4	7.5	0.3	477		125	312		1,436	NM	14	9,025	0.3	97.8%	0.2	143	0.0001
12/05/16	1,613	46%	7.0	95.2	7.5	0.4	551		125	357		1,425	842	16	9,047	0.3	97.8%	0.3	143	0.0001
12/06/16	1,634	88%	8.0	108.8	10.5	0.4	546		135	99		1,438	849	16	9,061	0.3	97.8%	0.270	144	0.0001
12/15/16	1,672	18%	9.5	129.2	10.0	0.5	611		135	638		1,460	873	18	9,089	0.4	97.8%	0.3	144	0.0001
12/19/16	1,750	81%	NM	NM	NM	NM	NM		NM	NM		NM	NM	18	9,146	0.4	97.8%	0.3	145	0.0001

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 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)
02/07/17	1,759	1%	0.0	0.0	0.0	0.3	473		NM	44	NM	1,445	848	11	9,151	1.8	84.2%	4.6	147	0.006
02/10/17	1,820	85%	3.5	47.6	3.0	0.2	383		145	212	NM	1,420	835	9	9,174	1.5	84.2%	3.7	156	0.005
02/13/17	1,831	15%	4.0	54.4	5.0	0.2	383		145	140	NM	1,428	NM	9	9,178	1.5	84.2%	3.7	158	0.005
02/15/17	1,879	100%	5.0	68.0	5.5	0.2	382		150	243	NM	1,418	847	9	9,196	1.4	84.2%	3.7	165	0.005
02/27/17	1,975	33%	7.5	102.0	8.0	0.2	382		150	181	64.1	1,425	838	9	9,233	1.4	84.2%	3.7	180	0.005
03/06/17	2,100	74%	6.5	88.4	8.5	0.4	549		130	51	NM	1,449	853	6	9,265	0.2	97.1%	0.1	181	0.0005
03/07/17	2,126	100%	9.0	122.4	6.0	0.3	473		135	410	NM	1,435	844	5	9,271	0.2	97.1%	0.1	181	0.0004
03/13/17	2,165	27%	8.5	115.6	9.5	0.3	471		140	101	NM	1,464	866	5	9,280	0.2	97.1%	0.1	181	0.0004
03/22/17	2,347	84%	11.0	149.6	10.0	0.1	270		150	132	NM	1,448	863	3	9,304	0.1	97.1%	0.04	181	0.0003
03/27/17	2,459	93%	8.0	108.8	9.0	0.2	382		148	62	30.7	1,417	837	4	9,324	0.1	97.1%	0.1	181	0.0004
03/31/17	2,558	100%	5.0	68.0	3.5	0.4	546		135	235	NM	1,428	857	6	9,350	0.2	97.1%	0.1	182	0.0005
04/03/17	2,628	97%	5.0	68.0	3.5	0.4	546		135	41	NM	1,442	864	145	9,773	0.1	99.9%	3.2	191	0.0013
04/17/17	2,959	99%	5.0	68.0	6.0	0.4	542		145	183	NM	1,452	856	144	11,758	0.1	99.9%	3.2	235	0.0013
04/20/17	3,033	100%	4.0	54.4	5.0	0.4	542		145	218	NM	1,445	858	144	12,201	0.1	99.9%	3.2	245	0.0013
04/25/17	3,152	99%	4.0	54.4	4.0	0.4	540		150	330	712	1,432	846	143	12,912	0.1	99.9%	3.2	261	0.0013
05/02/17	3,264	67%	5.0	68.0	6.0	0.4	541		147	88	NM	1,422	853	7	12,944	0.2	97.4%	0.1	261	0.0001
05/11/17	3,482	100%	5.5	74.8	6.5	0.3	469		145	33.2	34	1,423	845	6	12,999	0.2	97.4%	0.1	262	0.0001
05/17/17	3,622	97%	3.0	40.8	5.5	0.4	551		125	227.5	315.6*	1,413	871	65	13,377	0.2	99.7%	0.1	262	0.0001
05/30/17	3,925	97%	3.0	40.8	3.5	0.35	522		110	231	322.2*	1,433	847	63	14,169	0.2	99.7%	0.1	263	0.0001
06/05/17	4,053	89%	2.0	27.2	2.0	0.45	587		120	357	NM	1,432	852	38	14,373	0.9	97.6%	0.00063	263	0.0010
06/09/17	4,145	96%	2.0	27.2	2.5	0.4	555		116	319	174	1,426	845	36	14,511	0.9	97.6%	0.00060	263	0.0010
06/20/17	4,391	93%	1.0	13.6	1.5	0.55	643		130	180	NM	1,463	869	42	14,939	1.0	97.6%	0.00069	263	0.0011
06/26/17	4,532	98%	1.0	13.6	1.0	0.5	616		125	139	NM	1,444	863	40	15,174	1.0	97.6%	0.00066	263	0.0011
07/06/17	4,775	100%	1.0	13.6	1.0	0.5	619		120	276	NM	1,440	860	73	15,917	0.3	99.5%	0.88205	272	0.0009
07/10/17	4,871	100%	0.5	6.8	1.0	0.5	619		120	345	318	1,420	849	73	16,210	0.3	99.5%	0.88205	276	0.0009
07/17/17	5,037	99%	2.5	34.0	2.5	0.40	551		125	406	NM	1,415	826	65	16,662	0.3	99.5%	0.78555	281	0.0008
07/21/17	5,135	100%	2.5	34.0	2.5	0.40	551		125	571	NM	1,432	835	65	16,929	0.3	99.5%	0.78555	284	0.0008
07/31/17	5,370	98%	1.0	13.6	3.0	0.35	513		130	600	NM	1,410	810	61	17,525	0.3	99.5%	0.73169	291	0.0008
08/07/17	5,538	100%	1.0	13.6	1.0	0.40	551		125	NM	NM	1,415	822	29	17,731	0.5	98.3%	0.52904	295	0.0010
08/23/17	5,913	98%	1.0	13.6	1.5	0.55	646		125	283	143	1,433	845	34	18,270	0.6	98.3%	0.62036	305	0.0011
08/30/17	6,083	100%	2.0	27.2	2.0	0.50	613		130	325.5	NM	1,430	842	33	18,501	0.5	98.3%	0.58898	309	0.0011
09/07/17	6,221	96%	2.0	27.2	2.0	0.40	551		125	359	NM	1,411	820	93	19,036	0.6	99.4%	0.68936	313	0.0008
09/20/17	6,368	92%	NM	NM	2.0	0.50	616		125	333	452	1,418	834	104	19,672	0.6	99.4%	0.77073	318	0.0008
09/29/17	6,543	84%	NM	NM	2.0	0.50	613		130	227	NM	1,448	843	103	20,426	0.6	99.4%	0.76745	323	0.0008
10/02/17	6,618	100%	NM	NM	2.0	0.55	646		125	278.1	NM	1,429	843	99	20,734	*0.02*	100%	0.69555	325	0.0007
10/10/17	6,766	83%	2.0	27.2	2.0	0.50	613		130	NM	NM	1,440	847	94	21,311	*0.02*	100%	0.66037	330	0.0006
10/16/17	6,907	98%	NM	NM	2.0	0.55	646		125	239	409	1,427	840	99	21,890	*0.02*	100%	0.69555	334	0.0007
10/20/17	6,995	92%	2.7	36.7	2.5	0.50	616		125	420	NM	1,428	834	94	22,235	*0.02*	100%	0.66318	336	0.0006
11/01/17	7,242	100%	2.0	27.2	1.5	0.50	613		130	342	NM	1,452	861	20	22,445	0.46	98%	0.23202	338	0.0005
11/07/17	7,377	94%	1.5	20.4	1.5	0.50	613		130	199	NM	1,427	844	20	22,560	0.46	98%	0.23202	340	0.0005
11/20/17	7,659	93%	2.0	27.2	2.0	0.45	579		135	67.8	89	1,435	851	19	22,787	0.43	98%	0.21919	342	0.0005
11/29/17	7,823	100%	NM	NM	2.0	0.50	613		130	125	NM	1,440	884	20	22,926	0.46	98%	0.23202	344	0.0005
12/04/17	7,940	98%	2.0	27.2	NM	0.45	579		135	84	NM	1,435	845	40	23,119	0.11	100%	2.64711	357	0.0019
12/07/17	8,014	100%	2.02	27.5	2.0	0.40	544		140	78	NM	1,431	845	37	23,234	0.11	100%	2.48530	364	0.0017
12/11/17	8,115	100%	2.0	27.2	2.0	0.45	579		135	188	183	1,420	836	40	23,400	0.11	100%	2.64711	376	0.0019
12/13/17	8,158	100%	2.0	27.2	NM	0.45	582		130	146	NM	1,426	844	40	23,471	0.11	100%	2.65831	380	0.0019
12/18/17	8,253	100%	2.0	27.2	2.0	0.45	579		135	88	NM	1,429	850	40	23,628	0.11	100%	2.64711	391	0.0019
12/20/17	SYSTEM DOWN FOR WINTERIZATION																			
02/09/18	8,374	100%	2.0	27.2	2.0	0.45	577		140	123	NM	1,433	848	9	23,673	0.43	95%	1.17531	397	0.0008
02/16/18	8,389	21%	2.0	27.2	2.0	0.50	611		135	113	42	1,456	857	9	23,679	0.46	95%	1.24408	398	0.0009
03/01/18	8,607	99%	2.0	27.2	2.0	0.50	613		130	60.9	NM	1,428	850	14	23,807	0.20	99%	0.37480	401	0.0003
03/05/18	8,699	100%	2.0	27.2	2.0	0.35	511		135	49.4	NM	1,424	844	12	23,857	0.17	99%	0.31226	402	0.0003

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 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)
03/15/18	8,906	90%	2.5	34.0	2.5	0.35	511		135	94.3	61.7	1,416	830	12	23,958	0.17	99%	0.31226	405	0.0003
03/19/18	8,996	100%	3.0	40.8	3.0	0.35	511		135	403	476.1*	1,425	837	91	24,150	0.17	100%	0.31226	406	0.0003
04/02/18	9,318	98%	2.0	27.2	2.0	0.30	497		80	195	205.8*	1,422	833	141	25,704	0.11	100%	1.87859	431	0.0016
04/06/18	9,343	100%	3.5	47.6	3.5	0.30	471		140	615	NM	1,410	827	134	25,847	0.11	100%	1.78219	433	0.0015
04/12/18	9,435	64%	4.0	54.4	4.0	0.30	471		140	747	NM	1,410	832	134	26,359	0.11	100%	1.78219	440	0.0015
04/17/18	9,549	95%	3.5	47.6	4.0	0.30	471		140	1,072	760	1,414	842	134	26,993	0.11	100%	1.78219	448	0.0015
04/23/18	9,675	88%	3.5	47.6	3.5	0.50	611		135	402	NM	1,432	865	173	27,798	0.14	100%	2.31044	461	0.002
04/30/18	9,841	99%	4.0	54.4	4.0	0.30	473		135	442	NM	1,411	836	134	28,861	0.11	100%	1.78966	473	0.002
05/07/18	10,009	100%	3.0	40.8	3.0	0.35	509		140	207	NM	1,422	843	80	29,612	0.10	100%	0.96249	480	0.001
05/16/18	10,185	81%	2.0	27.2	2.0	0.50	611		135	280	423	1,450	862	96	30,260	0.12	100%	1.15522	488	0.001
05/23/18	10,359	100%	2.0	27.2	2.0	0.50	611		135	214	NM	1,448	868	96	30,958	0.12	100%	1.15522	496	0.001
05/30/18	10,524	98%	4.0	54.4	4.0	0.40	546		135	203	NM	1,425	844	86	31,586	0.11	100%	1.03326	504	0.001
06/06/18	10,685	96%	3.0	40.8	3.0	0.30	473		135	135	NM	1,406	839	164	32,425	0.15	100%	3.75828	529	0.001
06/08/18	10,734	100%	7.0	95.2	7.0	0.35	509		140	145	NM	1,409	842	176	32,773	0.16	100%	4.04246	537	0.001
06/13/18	10,758	100%	7.0	95.2	7.0	0.30	471		140	151	929	1,421	848	163	32,942	0.15	100%	3.74259	541	0.001
06/18/18	10,881	100%	7.0	95.2	7.0	0.25	428		145	315	NM	1,411	842	148	33,741	0.13	100%	3.40236	558	0.001
06/25/18	11,052	100%	6.0	81.6	6.0	0.35	509		140	112	NM	1,421	848	176	34,898	0.16	100%	4.04246	587	0.001
07/03/18	11,242	100%	6.0	81.6	6.0	0.35	507		145	191	NM	1,122	846	31	35,719	0.14	100%	0.31262	590	0.0004
07/17/18	11,577	100%	3.0	40.8	3.0	0.45	577		140	103	164	1,431	856	35	36,182	0.16	100%	0.35595	594	0.0005
07/31/18	11,913	100%	5.0	68.0	5.0	0.40	540		150	810	NM	1,415	835	33	36,660	0.15	100%	0.33283	599	0.0005
08/06/18	12,063	100%	4.5	61.2	4.5	0.45	575		145	198	NM	1,430	845	42	36,896	0.03	100%	0.07240	600	0.0033
08/13/18	12,225	96%	5.0	68.0	5.0	0.35	509		140	260	<6.64	1,443	860	49	37,206	0.02	100%	0.06412	600	0.0029
08/20/18	12,398	100%	4.5	61.2	4.5	0.35	507		145	425	NM	1,434	857	80	37,673	0.02	100%	0.06385	600	0.0029
08/23/18	12,472	100%	4.5	61.2	4.5	0.40	540		150	398	NM	1,431	866	80	37,921	0.02	100%	0.06798	601	0.0031
08/30/18	12,641	100%	5.0	68.0	5.0	0.45	575		145	295	NM	1,443	856	63	38,425	0.03	100%	0.07240	601	0.0033
09/05/18	12,782	98%	6.0	81.6	6.0	0.40	540		150	455	NM	1,413	838	378	39,723	0.24	100%	2.66894	617	0.0020
09/12/18	12,946	98%	6.0	81.6	6.0	0.30	467		150	405	1880	1,413	832	328	42,135	0.21	100%	2.31137	633	0.0017
09/24/18	13,214	93%	5.0	68.0	5.0	0.30	469		145	139	NM	1,479	893	329	45,802	0.21	100%	2.32090	659	0.0017
10/08/18	13,546	99%	5.5	74.8	5.5	0.35	507		145	120.6	371	1,409	830	213	49,550	0.24	100%	1.99812	686	0.002
10/16/18	13,664	65%	4.5	61.2	3.0	0.45	572		150	NM	NM	1,414	834							
10/25/18	13,866	94%	4.0	54.4	4.0	0.40	542		145	245	NM	1,415	829							
10/30/18	13,976	92%	2.0	27.2	2.5	0.50	603		150	NM	NM	1,430	878							
11/01/18	14,020	92%	3.0	40.8	2.5	0.45	575		145	65	NM	1,407	833							
11/05/18	14,119	100%	3.5	47.6	3.5	0.45	577		140	40.6	NM	1,415	830							
11/08/18	14,193	100%	3.5	47.6	3.0	0.40	546		135	67.2	70	1,418	830	45	53,024	0.17	100%	1.18	729	0.0012
11/12/18	14,291	100%	3.5	47.6	3.5	0.40	546		135	52	NM	1,416	830							
11/21/18	14,504	99%	2.5	34.0	2.0	0.50	608		140	33.7	NM	1,407	831							
11/29/18	14,625	63%	2.0	27.2	2.0	0.35	505		150	NM	NM	1,414	831							
12/04/18	14,745	100%	3.0	40.8	3.0	0.30	471		140	30.8	NM	1,418	825							
12/12/18	14,937	100%	2.5	34.0	2.5	0.40	544		140	11.3	67	1,419	831	14	53,937	0.09	99%	0.53	756	0.0003
12/21/18	15,051	98%	2.5	34.0	2.0	0.45	579		135	48.7	NM	1,407	830							
01/02/19	15,343	100%	2.75	37.4	2.25	0.25	432		135	14.7	NM	1,421	824							
01/09/19	15,476	79%	2.5	34.0	2.25	0.45	584		125	14.7	19	1,415	842	9	54,190	0.12	99%	0.19	764	0.0003
01/14/19	15,598	100%	2.15	29.2	2.25	0.35	520		115	15.2	NM	1,416	841							
01/21/19	15,767	100%	2.5	34.0	2.0	0.50	619		120	32	NM	1,411	850							
01/28/19	15,937	100%	2.5	34.0	2.0	0.50	619		120	8.6	NM	1,414	848							
02/08/19	16,204	100%	2.0	27.2	2.0	0.45	589		115	14.8	NM	1,408	845							
02/13/19	16,348	100%	2.5	34.0	2.0	0.40	553		120	112	613	1,414	843	68	55,591	0.15	100%	0.96	784	0.0004
02/18/19	16,448	100%	2.5	34.0	2.0	0.45	587		120	1.9	NM	1,410	845							
02/25/19	16,616	100%	2.5	34.0	2.0	0.35	515		125	1.8	NM	1,414	840							
03/22/19	17,124	100%	2.5	34.0	2.0	0.40	551		125	378	1190	1,413	841	186	59,698	0.14	100%	2.87	846	0.0003
03/29/19	17,296	100%	3.0	40.8	3.0	0.40	551		125	57	NM	1,413	843							

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 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)
04/02/19	17,389	97%	2.5	34.0	2.0	0.50	616		125	86.2	NM	1,407	840							
05/09/19	17,432	24%	2.5	34.0	3.5	0.40	551		125	NM	NM	1,410	827							
05/13/19	17,526	100%	3.0	40.8	3.5	0.45	572		150	NM	NM	1,408	827							
05/22/19	17,743	100%	2.5	34.0	2.0	0.50	616		125	112.9	115	1,410	844	140	63,899	0.14	100%	2.27	913	0.0006
05/28/19	17,889	100%	2.5	34.0	2.0	0.50	619		120	76.8	NM	1,414	843							
06/12/19	18,232	95%	2.0	27.2	2.0	0.40	551		125	128	NM	1,408	835							
06/13/19	18,257	100%	2.0	27.2	2.0	0.50	616		125	117	136	1,407	832	28	65,702	0.38	99%	0.27	940	0.0042
06/20/19	18,426	100%	2.0	27.2	2.0	0.40	551		125	102.1	NM	1,416	830							
07/15/19	18,570	100%	2.0	27.2	1.0	0.60	661		150	37.3	NM	1,408	849							
07/23/19	18,764	100%	2.0	27.2	1.0	0.50	619		120	56.8	104	1,413	843	27	66,288	0.41	99%	0.17	945	0.0041
08/02/19	18,965	86%	2.0	27.2	2.0	0.50	621		115	40.1	NM	1,408	846							
08/08/19	19,112	100%	2.5	34.0	2.0	0.50	619		120	215.7	NM	1,407	847							
08/16/19	19,295	95%	2.5	34.0	2.0	0.50	619		120	27.3	42	1,413	842	17	66,778	0.34	98%	0.17	948	0.0005
08/23/19	19,423	76%	2.5	34.0	2.0	0.50	619		120	27.2	NM	1,414	838							
08/30/19	19,594	100%	3.5	47.6	2.5	0.50	621		115	28.6	NM	1,407	836							
09/16/19	19,970	92%	2.8	37.4	2.0	0.50	621		115	19.7	97	1,410	837	16	67,242	0.31	98%	0.17	953	0.0006
09/30/19	20,192	100%	3.0	40.8	2.5	0.50	619		120	15.4	NM	1,408	845							
10/07/19	20,360	100%	2.5	34.0	2.0	0.45	589		115	13.3	NM	1,409	843							
10/11/19	20,457	100%	2.5	34.0	2.0	0.50	621		115	0.0	13	1,412	843	13	67,533	0.20	98%	0.12	956	0.0004
10/16/19	20,529	100%	2.0	27.2	2.0	0.50	621		115	33	NM	1,407	844							
10/23/19	20,698	100%	2.5	34.0	2.0	0.20	390		125	22.5	NM	1,412	824							
10/28/19	20,819	100%	2.8	37.4	2.3	0.20	391		120	20.2	NM	1,415	822							
11/04/19	20,992	100%	2.5	34.0	2.0	0.25	437		120	8.4	NM	1,417	828							
11/08/19	21,090	100%	2.5	34.0	2.0	0.20	391		120	42.8	113	1,409	819	11	67,847	0.10	99%	0.12	959	0.0003
11/18/19	21,334	100%	3.0	40.8	2.5	0.20	390		125	9.5	NM	1,410	819							
11/25/19	21,503	100%	2.5	34.0	2.5	0.20	390		125	9.0	NM	1,419	809							
12/04/19	21,658	72%	2.5	34.0	2.0	0.20	391		120	0.8	NM	1,415	809							
12/09/19	21,777	99%	1.5	20.4	1.0	0.20	390		125	6.5	NM	1,415	810							
12/16/19	21,949	100%	1.75	23.8	1.25	0.20	391		120	0.7	3	1,418	809	8	68,199	0.02	100%	0.10	963	0.0003
12/30/19	22,285	100%	1.5	20.4	1.0	0.20	391		120	2.9	NM	1,417	810							
01/06/20	22,458	100%	1.5	20.4	1.0	0.20	390		125	1.3	NM	1,413	808							
01/16/20	22,693	98%	1.5	20.4	1.0	0.20	393		115	1.1	6	1,425	811	1	68,340	0.02	97%	0.01	965	0.0001
01/27/20	22,888	100%	1.5	20.4	1.0	0.20	391		120	1.8	NM	1,420	810							
02/06/20	23,134	100%	1.5	20.4	1.5	0.25	436		125	1.6	7	1,415	810	1	68,355	0.02	98%	0.02	965	0.00003
02/10/20	23,230	100%	1.5	20.4	1.0	0.25	437		120	NM	NM	1,410	813							
02/18/20	23,425	100%	1.5	20.4	1.0	0.30	479		120	1.8	NM	1,410	815							
03/02/20	23,647	100%	1.5	20.4	1.0	0.25	437		120	0.8	NM	1,410	811							
03/09/20	23,817	100%	1.5	20.4	1.0	0.25	441		110	NM	NM	1,416	811							
03/16/20	23,972	92%	2.0	27.2	3.5	0.20	388		130	10.0	32	1,408	811	3	68,427	0.03	99%	0.05	966	0.00019
03/23/20	24,081	65%	2.0	27.2	2.0	0.20	388		130	11.6	NM	1,419	817							
03/30/20	24,249	100%	3.0	40.8	3.0	0.35	509		140	14.8	NM	1,406	824							
04/09/20	24,495	100%	3.0	40.8	2.5	0.35	507		145	106.3	26	1,407	824	5	68,531	0.03	99%	0.09	968	0.00066
04/13/20	24,592	100%	0.0	0.0	0.0	0.30	473		135	NM	NM	1,503	873							
04/20/20	24,758	99%	3.0	40.8	2.5	0.25	430		140	156	NM	1,407	827							
05/04/20	24,809	100%	3.0	40.8	2.5	0.20	385		140	350	NM	1,415	827							
05/11/20	24,920	66%	3.0	40.8	3.0	0.25	430		140	261	NM	1,416	826							
05/19/20	25,113	100%	3.3	44.2	3.0	0.20	383		145	14.2	35	1,412	823	5	68,657	0.05	99%	0.09	970	0.00081
05/22/20	25,136	100%	3.0	40.8	3.0	0.25	437		120	54.0	NM	1,410	830							
05/26/20	25,231	99%	3.0	40.8	3.0	0.25	437		120	NM	NM	1,406	815							
06/02/20	25,402	100%	3.0	40.8	3.0	0.25	437		120	NM	NM	1,405	817							
06/08/20	25,481	55%	4.0	54.4	4.0	0.25	437		120	35.5	102	1,405	825	11	68,824	0.03	100%	0.21	973	0.00051
06/15/20	25,576	100%	3.0	40.8	3.0	0.25	437		120	6.8	NM	1,411	838							

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 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)
06/22/20	25,745	100%	4.0	54.4	4.0	0.25	437		120	6.4	NM	1,408	837							
07/01/20	25,964	100%	4.0	54.4	4.0	0.23	420		120	10.3	NM	1,410	838							
07/10/20	26,185	100%	4.0	54.4	4.0	0.23	416		130	15.0	NM	1,412	833							
07/15/20	26,308	100%	5.5	74.8	5.5	0.23	418		125	37.5	81	1,412	830	15	69,326	0.28	98%	0.37	982	0.00080
07/21/20	26,456	100%	11.5	156.4	12.5	0.32	483		150	80.0	NM	1,406	821							
07/27/20	26,595	100%	12.0	163.2	12.0	0.33	492		145	143	NM	1,406	822							
08/07/20	26,864	100%	15.0	204	15.0	0.30	471		140	307	NM	1,407	816							
08/10/20	26,939	100%	15.0	204	15.0	0.30	469		145	308	1300	1,406	813	120	71,097	1.22	99%	2.98	1,026	0.00924
08/17/20	27,108	100%	15.0	204	15.0	0.35	501		160	387	2080	1,410	820	306	72,597			7.03	1,062	
08/26/20	27,327	100%	13.0	177	13.0	0.45	570		155	304	NM	1,405	830							
09/04/20	27,547	100%	13.5	184	13.0	0.45	570		155	640	342	1,404	830	247	77,652			5.45	1,176	
09/09/20	27,668	100%	13.0	177	12.5	0.43	557		155	326	NM	1,407	829							
09/15/20	27,816	100%	13.0	177	13.0	0.43	557		155	267	1280	1,422	833	170	79,988	1.30	99%	3.87	1,228	0.01220
09/21/20	27,961	100%	13.0	177	13.0	0.43	557		155	352	NM	1,408	828							
09/30/20	28,180	100%	12.0	163	12.0	0.43	555		160	NM	NM	1,405	829							
10/05/20	28,305	100%	15.0	204	14.5	0.60	650		170	280	NM	1,404	858							
10/12/20	28,471	100%	16.5	224	16.0	0.50	594		170	431	NM	1,404	853							
10/13/20	28,495	100%	17.0	231	17.0	0.40	531		170	346	1430	1,409	850	290	88,197	0.28	100%	8.65	1,473	0.00448
10/21/20	28,688	99%	17.0	231	16.5	0.43	550		170	183	980	1,457	878	243	90,151			7.74	1,535	
10/26/20	28,799	93%	17.0	231	17.0	0.45	563		170	278	NM	1,411	857							
11/11/20	29,167	96%	17.0	231	16.5	0.45	563		170	160.8	1310	1,410	840	239	94,916	0.23	100%	3.52	1,605	0.00336
11/18/20	29,341	100%	16.5	224	16.0	0.45	563		170	44.9	NM	1,405	840							
11/23/20	29,458	98%	16.0	218	16.0	0.50	594		170	17.7	NM	1,409	840							
12/03/20	29,464	100%	2.5	34	2.5	0.55	646		125	2.5	NM	1,408	843							
12/09/20	29,611	100%	10.0	136	9.5	0.45	575		145	3.6	23	1,408	834	146	97,621	0.33	100%	0.92	1,622	0.05059
12/22/20	29,927	100%	9.5	129	9.0	0.48	588		150	3.9	NM	1,405	836							
01/04/21	30,243	100%	10.0	136	9.0	0.45	572		150	3.8	NM	1,404	834							
01/18/21	30,570	98%	8.0	109	7.5	0.50	601		155	3.2	11	1,411	837	4	97,769	0.17	95%	0.03	1,623	0.04873
01/28/21	30,814	100%	8.0	109	7.5	0.45	572		150	1.6	NM	1,408	836							
02/05/21	30,983	99%	5.5	75	5.0	0.55	635		145	4.3	NM	1,407	860							
02/12/21	31,153	100%	10.0	136	9.5	0.45	572		150	NM	NM	1,410	853							
02/18/21	31,300	100%	14.0	190	13.5	0.35	501		160	18.3	38	1,407	855	5	97,930	0.09	98%	0.08	1,626	0.00024
03/01/21	31,561	100%	NM	NM	NM	NM	NM		NM	NM	NM	1,405	834							
03/10/21	31,782	100%	11.5	156	11.0	0.50	606		145	14.1	74	1,401	840	12	98,162	0.07	99%	0.17	1,630	0.00030
04/05/21	32,270	92%	8.0	109	8.0	0.30	467		150	38.5	NM	1,408	832							
04/21/21	32,582	99%	11.0	150	10.5	0.50	596		165	20.9	71	1,405	839	15	98,662	0.12	99%	0.21	1,637	0.00066
04/29/21	32,775	100%	11.0	150	10.5	0.50	596		165	NM	NM	1,407	845							
05/13/21	33,120	100%	12.0	163	11.5	0.45	559		180	15.2	114	1,405	843	20	99,113	0.29	99%	0.28	1,643	0.00107
05/25/21	33,411	100%	14.0	190	13.5	0.40	525		185	10.8	NM	1,408	842							
06/30/21	33,610	64%	6.0	82	5.5	0.65	688		150	3.5	21	1,406	853	15	99,417	0.32	98%	0.20	1,647	0.03650
07/08/21	33,805	100%	10.5	143	10.0	0.45	572		150	9.3	NM	1,407	842							
07/20/21	34,098	100%	13.0	177	12.0	0.40	540		150	69.2	245	1,410	839	30	100,023	0.20	99%	0.47	1,657	0.03712
07/28/21	34,278	94%	12.0	163	12.0	0.40	540		150	80.2	NM	1,416	842							
08/05/21	34,472	100%	13.0	177	12.5	0.40	529		175	187.0	612	1,406	845	86	101,358	0.36	100%	1.14	1,674	0.00285
08/12/21	34,590	70%	13.0	177	13.0	0.30	453		190	196.3	NM	1,413	833							
08/30/21	34,879	67%	11.0	150	11.0	0.45	570		155	191.0	NM	1,410	845							
09/09/21	35,110	100%	16.0	218	15.5	0.40	531		170	272.0	NM	1,437	854							
09/14/21	35,235	100%	15.0	204	14.0	0.45	570		155	415.0	800	1,418	850	140	105,799	0.52	100%	1.82	1,732	0.00534
09/28/21	35,569	99%	14.5	197	15.0	0.35	495		175	352.6	NM	1,432	841							
10/06/21	35,752	95%	15.0	204	15.0	0.40	519		200	NM	NM	NM	NM							
10/13/21	35,920	100%	15.0	204	15.0	0.40	531		170	284.0	490	1,406	841	127	109,429	0.53	100%	1.55	1,777	0.00431
10/22/21	36,139	100%	15.0	204	15.0	0.40	531		170	181.4	NM	1,406	841							

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 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)
10/27/21	36,264	100%	14.5	197	14.0	0.40	531		170	178.0	NM	1,415	846							
11/03/21	36,434	100%	12.6	171	12.0	0.40	535		160	79.6	140	1,402	847	63	110,768	0.42	99%	0.54	1,788	0.00175
11/16/21	36,683	80%	7.5	102	7.5	0.50	608		140	NM	NM	1,406	863							
11/24/21	36,878	100%	8.0	109	8.0	0.45	575		145	4.9	NM	1,403	843							
12/01/21	37,047	100%	8.3	112	8.0	0.45	575		145	6.5	NM	1,410	842							
12/08/21	37,218	100%	8.0	109	7.5	0.45	575		145	3.6	9	1,409	850	16	111,289	0.21	99%	0.07	1,790	0.00052
12/21/21	37,504	92%	7.5	102	7.0	0.50	608		140	8.1	NM	1,407	838							
01/05/22	37,870	100%	8.0	109	7.5	0.45	577		140	6.5	NM	1,407	836							
01/17/22	38,149	97%	6.0	82	5.8	0.50	608		140	2.4	9	1,407	854	2	111,367	0.29	86%	0.01	1,791	0.00010
01/28/22	38,417	100%	4.0	54	4.0	0.50	608		140	2.3	NM	1,413	848							
02/03/22	38,562	100%	4.0	54	4.0	0.40	544		140	17.3	NM	1,407	848							
02/10/22	38,734	100%	5.0	68	5.0	0.38	529		135	2.8	11	1,410	850	2	111,419	0.28	87%	0.01	1,791	0.00010
02/16/22	38,879	100%	5.0	68	5.0	0.40	544		140	4.9	NM	1,410	851							
03/04/22	39,122	63%	5.0	68	4.5	0.35	511		135	4.3	NM	1,412	849							
03/09/22	39,242	100%	5.5	75	5.0	0.38	527		140	3.8	4	1,407	849	1	111,449	0.20	86%	0.01	1,791	0.00010
03/22/22	39,561	100%	6.0	82	5.0	0.35	505		150	6.2	NM	1,404	847							
03/28/22	NM	NM	NM	NM	NM	NM	NM		NM	NM	NM	NM	NM							
04/12/22	39,700	27%	6.0	82	5.5	0.35	507		145	14.3	28	1,405	843	3	111,507	0.19	94%	0.02	1,792	0.00014
04/21/22	39,919	100%	6.0	82	5.5	0.38	525		145	3.3	NM	1,413	842							
4/27/2022	40,068	100%	5.5	75	2.5	0.45	572		150	5.0	NM	1,408	845							
5/2/2022	40,187	100%	6.0	82	6.0	0.35	505		150	2.1	NM	1,406	841							
5/10/2022	40,378	99%	5.0	68	5.0	0.45	572		150	4.9	10	1,400	845	4	111,615	0.20	95%	0.02	1,792	0.00013
5/17/2022	40,476	58%	5.0	68	5.0	0.35	NM		NM	NM	NM	1,407	853							
5/23/2022	40,537	43%	5.0	68	5.0	0.35	505		150	NM	NM	1,409	851							
6/1/2022	40,753	100%	7.0	95	6.0	0.35	501		160	5.3	10	1,421	848	2	111,645	0.20	90%	0.01	1,792	0.00009
6/6/2022	40,877	100%	6.0	82	6.0	0.35	505		150	9.5	NM	1,406	840							
6/14/2022	41,074	100%	3.0	41	2.5	0.35	505		150	NM	NM	1,408	847							
7/14/2022	41,553	66%	5.0	68	5.0	0.60	648		175	6.0	5	1,406	864	2	111,697	0.20	87%	0.01	1,793	0.00015
7/18/2022	41,618	70%	5.0	68	5.0	0.60	655		160	5.0	NM	1,405	860							
8/1/2022	41,867	73%	8.0	109	8.0	0.45	561		175	30.0	NM	1,409	852							
8/4/2022	41,936	100%	8.3	112	8.3	0.5	561		175	23.2	7	1,404	849	1	111,719	0.24	83%	0.01	1,793	0.00021
8/8/2022	42,033	100%	8.5	116	8.5	0.45	561		175	16.3	NM	1,480	877							
8/17/2022	42,253	100%	4.0	54	4.0	0.50	598		160	33.8	NM	1,480	877							
8/25/2022	42,446	100%	11.0	150	11.0	0.40	529		175	80.0	NM	1,486	877							
9/1/2022	42,598	96%	6.0	82	6.0	0.30	467		150	170.0	NM	1,412	827							
9/6/2022	42,717	99%	6.0	82	4.0	0.30	467		150	42.6	NM	1,416	828							
9/12/2022	42,864	100%	6.0	82	6.0	0.40	540		150	97.5	84	1,406	827	9	112,066	0.24	97%	0.03	1,794	0.00026
9/19/2022	43,033	100%	10.0	136	10.0	0.40	540		150	43.4	NM	1,476	876							
9/26/2022	43,203	100%	9.0	122	9.0	0.45	572		150	146.3	NM	1,416	835							
10/3/2022	43,375	100%	7.0	95	7.0	0.50	598		160	104.5	40	1,479	884	13	112,343	0.24	98%	0.03	1,795	0.00022
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							
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							
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	18	113,322	0.20	99%	0.12	1,802	0.000173115
12/19/2022	45,058	99%	7.0	95	7.0	0.30	467		150	42.0	NM	1,404	844							
12/22/2022	NM	97%	System down due to frozen pipes.																	

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 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)
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	13	113,475	0.24	98%	0.05	1,802	0.000168126
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	5	113,588	0.28	94%	0.01	1,802	9.30295E-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							
3/23/2023	46,100	95%	5.0	68	5.0	0.50	603		150	15.2	42	1,408	912	5	113,673	0.23	96%	0.02	1,803	8.77637E-05
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							
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	114,036	0.25	95%	0.02	1,804	9.30295E-05
5/15/2023	47,372	99%	6.0	82	6.0	0.50	591		175	5.3	NM	1,405	913							
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							
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	2	114,095	0.22	88%	0.004	1,804	8.731E-05
6/29/2023	48,244	100%	7.0	95	7.0	0.40	533		165	3.4	NM	1,405	912							
7/6/2023	48,414	100%	7.0	95	7.0	0.40	533		165	3.2	NM	1,407	912							
7/10/2023	48,512	100%	7.0	95	7.0	0.40	535		160	5.2	NM	1,404	913							
7/13/2023	48,583	100%	7.0	95	7.0	0.45	572		150	7.2	NM	1,403	913							
7/17/2023	48,684	100%	7.0	95	7.0	0.45	570		155	2.9	NM	1,402	912							
7/20/2023	48,714	78%	7.0	95	7.0	0.4	551		160	5.5	9	1405	913	2	114,147	0.21	89%	0.01	1,804	9.797E-05
7/27/2023	48,788	43%	7.0	95	7.0	0.40	533		165	8.1	NM	1,407	913							
8/4/2023	48,981	100%	9.0	122	9.0	0.45	568		160	5.4	NM	1,403	910							
8/10/2023	49,125	100%	8.0	109	7.5	0.40	533		165	3.8	NM	1,405	916	1	114,170	0.16	88%			
9/27/2023	49,196	6%	4.0	54	4.0	0.60	658		155	3.6	11	1,408	905	2	114,176	0.22	90%	0.004	1,804	1.150E-04
9/28/2023	49,216	83%	5.0	68	5.0	0.50	603		150	2.4	NM	1,408	906							
9/29/2023	49,242	100%	7.0	95	7.0	0.50	598		160	2.3	NM	1,402	906							
10/3/2023	49,339	100%	7.0	95	7.0	0.45	572		150	1.7	NM	1,404	908							
10/12/2023	49,389	23%	6.0	82	6.0	0.50	603		150	1.0	NM	1,403	904							
10/20/2023	49,515	66%	8.0	109	7.0	0.45	572		150	7.3	18	1,407	889	3	114,219	0.22	93%	0.014	1,804	3.132E-04
10/25/2023	49,635	100%	6.0	82	6.0	0.45	572		150	2.2	NM	1,407	892							
11/20/2023	49,809	28%	2.5	34	2.5	0.55	633		150	5.0	7.8	1,403	893	3	114,254	0.24	91%	0.025	1,805	3.448E-04
11/30/2023	49,816	3%	2.0	27	3.0	0.50	601		155	NM	NM	1,405	891							
12/7/2023	49,822	4%	3.0	41	4.0	0.60	661		150	3.9	5.1	1,402	889	2	114,255	0.26	83%	0.017	1,805	1.580E-04
12/22/2023	49,869	13%	5.0	68	4.0	0.50	601		155	2.3	NM	1,402	890							
12/30/2023	50,069	100%	2.5	34	1.5	0.60	658		155	4.0	NM	1,403	891							
1/4/2024	50,189	100%	2.5	34	1.5	0.50	601		155	NM	NM	1,403	892							
1/11/2024	50,357	100%	3.0	41	2.0	0.50	603		150	1.0	NM	1,406	891							
1/18/2024	50,420	37%	3.0	41	2.5	0.50	601		155	1.4	NM	1,404	891							
1/25/2024	50,595	100%	3.0	41	2.0	0.50	598		160	1.2	NM	1,407	893							
1/30/2024	50,718	100%	2.5	34	2.5	0.45	572		150	2.0	2.3	1,406	887	1	114,286	0.23	73%	0.006	1,805	1.531E-04
2/6/2024	50,882	100%	3.0	41	2.5	0.50	598		160	0.9	NM	1,407	891							
2/12/2024	51,027	100%	2.5	34	1.5	0.30	462		165	0.6	NM	1,403	899							
2/20/2024	51,221	99%	3.0	41	2.5	0.15	324		175	3.9	1.0	1,407	921	0.30	114,293	0.18	39%	0.002	1,805	1.138E-04
2/27/2024	51,390	100%	3.0	41	2.0	0.20	374		175	3.3	NM	1,408	923							

Table 4

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

			Soil Vapor Extraction										TPHg				Benzene		
Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 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)
3/14/2024	51,608	57%	2.5	34	2.0	0.15	324		175	2.0	5.5	1,406	920	0.41	114,299	0.13	69%	0.002	1,805	1.189E-04
3/22/2024	51,804	100%	2.0	27	0.5	0.10	264		175	1.2	NM	1,403	924							
3/29/2024	51,928	73%	2.0	27	3.5	0.60	666		140	1.2	NM	1,402	885							
4/2/2024	52,022	100%	4.0	54	4.5	0.60	669		135	1.0	2.4	1,402	885	0.71	114,312	0.20	72%	0.004	1,805	2.449E-04
4/8/2024	52,170	100%	4.0	54	4.0	0.60	666		140	0.7	NM	1,404	886							
4/16/2024	52,226	29%	2.0	27	3.5	0.60	669		135	2.1	NM	1,408	889							
4/26/2024	52,303	32%	4.0	54	4.0	0.60	666		140	1.0	NM	1,405	883							
4/30/2024	52,402	100%	2.0	27	3.0	0.60	669		135	4.8	NM	1,405	884							
5/7/2024	52,571	100%	3.0	41	3.0	0.60	664		145	2.5	6.1	1,406	885	1.52	114,346	0.27	82%	0.012	1,805	2.087E-04
5/16/2024	52,789	100%	3.0	41	2.0	0.60	666		140	2.6	NM	1,407	883							
5/21/2024	52,910	100%	3.0	41	2.0	0.60	664		145	0.9	NM	1,405	883							
6/25/2024	53,087	21%	4.0	54	4.0	0.60	661		150	0.5	2.4	1,406	882	1.05	114,369	0.27	74%	0.010	1,806	1.062E-04
7/2/2024	53,115	17%	3.5	48	2.5	0.60	664		145	3.7	NM	1,402	883							
7/17/2024	53,195	22%	6.0	82	4.0	0.50	603		150	10.0	NM	1,405	885							
7/22/2024	53,253	47%	3.0	41	2.0	0.60	664		145	3.8	11.0	1,404	886	1.62	114,380	0.25	84%	0.010	1,806	1.395E-04
8/7/2024	53,355	27%	6.0	82	6.0	0.50	601		155	37.0	NM	1,407	883							
8/13/2024	53,499	100%	5.0	68	4.0	0.50	606		145	4.0	40.0	1,408	885	5.93	114,441	0.23	96%	0.054	1,806	3.301E-04
8/22/2024	53,682	86%	4.0	54	2.0	0.50	603		150	15.0	NM	1,408	887							
8/27/2024	53,804	100%	4.0	54	3.0	0.50	606		145	2.1	NM	1,407	888							
9/5/2024	54,024	100%	4.0	54	3.0	0.50	603		150	14.7	NM	1,408	885							
9/10/2024	54,055	25%	4.0	54	3.0	0.50	606		145	8.9	58.0	1,402	882	11.05	114,697	0.23	98%	0.088	1,808	9.766E-04
9/20/2024	54,296	100%	4.0	54	2.5	0.50	608		140	16.6	NM	1,403	887							
9/26/2024	54,443	100%	4.0	54	2.5	0.50	606		145	18.2	NM	1,405	886							
Regulatory Limits (ppmv):							**<1,500**					**>1,400**					**>97% when inlet concentrations exceed 200 ppmv**			**<0.085**

Abbreviations and Notes:
(mm/dd/yy) = Month/day/year
ALS = Air liquid separator
SVE = Soil vapor extraction
conc = Concentration
TPPH = Total Purgeable Petroleum Hydrocarbon analyzed by method NWTPHg-X
°F = Degrees Farenheit
NA = Not applicable
NM = not measured
NS = Not sampled
L = liter
gpm = gallon per minute
µg/L = micrograms per liter
g = grams
cc = cubic centimeter
lb = pound
All readings and data are field collected excluding influent concentrations
* = not actual analytical data. These value was estimated by taking 70% of the extrapolated value using historical PID vs. analytical data. This was done to estimate removal rate after air sweep was implemented.
Density: = 0.73 g/cc TPHg
= 0.88 g/cc Benzene
Italics = referenced laboratory concentration is non-detect. 50% of reporting limit value used in the equation
Molecular weight of TPHg = 100 lb/lb-mole
Molecular weight of benzene = 78 lb/lb-mole

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: 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)	TPHg: Removal rate (ppd)	TPHg: Cumulative Recovery (pounds)	TPHg: Emission rate (ppd)	TPHg: Destruction efficiency (%)	Benzene: Removal rate (ppd)	Benzene: Cumulative Recovery (pounds)	Benzene: Emission rate (ppd)

Molecular weight of toluene = 92
Molecular weight of ethylbenzene 106
Molecular weight of xylene = 106

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-1	7/12/16	NP	12.05	0.00
DPE-1	11/15/16	NP	8.90	0.00
DPE-1	2/13/17	NP	7.73	0.00
DPE-1	5/24/17	NP	8.97	0.00
DPE-1	7/11/17	NP	11.01	0.00
DPE-1	9/26/17	12.40	12.42	0.02
DPE-1	12/11/17	NP	6.88	0.00
DPE-1	2/26/18	NP	8.86	0.00
DPE-1	6/11/18	NP	10.67	0.00
DPE-1	12/17/18	NP	8.73	0.00
DPE-1	9/23/19	NP	10.96	0.00
DPE-1	9/16/20	NP	12.1	0.00
DPE-1	6/10/24	NP	-	0.00
DPE-2	7/12/16	NP	11.69	0.00
DPE-2	11/15/16	NP	8.81	0.00
DPE-2	2/13/17	-	8.14	0.00
DPE-2	5/24/17	NP	9.38	0.00
DPE-2	7/11/17	NP	11.39	0.00
DPE-2	9/26/17	NP	12.37	0.00
DPE-2	12/11/17	NP	6.21	0.00
DPE-2	2/26/18	NP	8.79	0.00
DPE-2	6/11/18	NP	10.77	0.00
DPE-2	12/17/18	NP	8.98	0.00
DPE-2	9/23/19	NP	10.73	0.00
DPE-2	6/10/24	NP	-	0.00
DPE-3	7/12/16	11.41	17.25	5.84
DPE-3	11/15/16	NP	8.44	0.00
DPE-3	2/13/17	7.95	14.21	6.26
DPE-3	5/15/17	9.24	15.33	6.09
DPE-3	5/24/17	8.84	9.18	0.34
DPE-3	7/11/17	11.42	11.43	0.01
DPE-3	9/26/17	13.25	13.47	0.22
DPE-3	12/11/17	NP	9.28	0.00
DPE-3	2/26/18	11.29	11.34	0.05
DPE-3	6/11/18	14.25	14.27	0.02
DPE-3	12/17/18	NP	9.66	0.00
DPE-3	9/23/19	NP	10.63	0.00
DPE-3	2/24/20	NP	8.89	0.00
DPE-3	6/10/24	NP	-	0.00
DPE-3	8/7/24	NP	10.82	0.00
DPE-3	8/12/24	NP	10.97	0.00
DPE-3	8/27/24	NP	11.17	0.00
DPE-3	9/20/24	NP	11.00	0.00
DPE-3	9/26/24	NP	10.95	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-3	10/1/24	NP	10.95	0.00
DPE-3	10/10/24	NP	11.03	0.00
DPE-3	11/12/24	NP	9.27	0.00
DPE-3	11/19/24	NP	8.14	0.00
DPE-4	7/12/16	NP	12.55	0.00
DPE-4	11/15/16	NP	9.94	0.00
DPE-4	2/13/17	-	8.91	0.00
DPE-4	5/24/17	NP	9.48	0.00
DPE-4	7/11/17	NP	11.22	0.00
DPE-4	9/26/17	NP	12.19	0.00
DPE-4	12/11/17	NP	7.57	0.00
DPE-4	2/26/18	NP	9.67	0.00
DPE-4	6/11/18	NP	10.96	0.00
DPE-4	12/17/18	NP	9.35	0.00
DPE-4	9/23/19	NP	10.53	0.00
DPE-4	6/10/24	NP	-	0.00
DPE-4	8/12/24	NP	11.18	0.00
DPE-5	7/12/16	NP	13.15	0.00
DPE-5	11/15/16	NP	7.01	0.00
DPE-5	2/13/17	-	8.64	0.00
DPE-5	5/24/17	NP	9.83	0.00
DPE-5	7/11/17	NP	12.66	0.00
DPE-5	9/26/17	NP	13.77	0.00
DPE-5	12/11/17	NP	7.90	0.00
DPE-5	2/26/18	NP	10.04	0.00
DPE-5	6/11/18	NP	12.40	0.00
DPE-5	12/17/18	NP	9.46	0.00
DPE-5	9/23/19	NP	12.03	0.00
DPE-5	6/10/24	NP	-	0.00
DPE-5	8/12/24	NP	13.11	0.00
DPE-6	7/8/16	NP	14.15	0.00
DPE-6	7/11/17	NP	13.98	0.00
DPE-6	6/11/18	NP	13.12	0.00
DPE-6	9/23/19	12.10	12.11	0.01
DPE-6	9/16/20	NP	13.63	0.00
DPE-6	6/10/24	NP	-	0.00
DPE-6	7/26/24	NP	12.24	0.00
DPE-6	7/29/24	NP	12.17	0.00
DPE-6	8/7/24	NP	12.46	0.00
DPE-6	8/12/24	NP	12.62	0.00
DPE-6	8/27/24	NP	12.41	0.00
DPE-6	9/10/24	NP	12.35	0.00
DPE-6	9/20/24	NP	12.40	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-6	9/26/24	NP	12.40	0.00
DPE-6	10/1/24	NP	12.41	0.00
DPE-6	10/10/24	NP	12.26	0.00
DPE-6	11/12/24	NP	10.61	0.00
DPE-6	11/19/24	NP	9.48	0.00
DPE-7	7/8/16	NP	14.11	0.00
DPE-7	7/11/17	13.97	14.36	0.39
DPE-7	6/11/18	NP	13.58	0.00
DPE-7	9/23/19	NP	13.01	0.00
DPE-7	9/16/20	NP	14.72	0.00
DPE-7	6/10/24	12.40	14.40	2.00
DPE-7	6/25/24	13.15	13.50	0.35
DPE-7	6/27/24	13.21	13.55	0.34
DPE-7	6/27/24	14.22	14.31	0.09
DPE-7	7/1/24	13.41	13.52	0.11
DPE-7	7/11/24	13.15	13.50	0.35
DPE-7	7/17/24	--	--	0.10
DPE-7	7/26/24	14.30	14.34	0.04
DPE-7	7/29/24	14.08	14.13	0.05
DPE-7	8/7/24	14.37	14.43	0.06
DPE-7	8/7/24	15.43	15.45	0.02
DPE-7	8/12/24	14.38	14.41	0.03
DPE-7	8/12/24	14.90	14.91	0.01
DPE-7	8/27/24	14.82	14.85	0.03
DPE-7	9/5/24	13.94	13.98	0.04
DPE-7	9/10/24	13.95	14.01	0.06
DPE-7	9/20/24	13.99	14.03	0.04
DPE-7	9/26/24	14.02	14.06	0.04
DPE-7	10/1/24	14.05	14.09	0.04
DPE-7	10/10/24	13.70	13.72	0.02
DPE-7	10/16/24	--	--	0.05
DPE-7	10/24/24	13.41	13.44	0.03
DPE-7	10/29/24	12.98	13.01	0.03
DPE-7	11/12/24	12.18	12.22	0.04
DPE-7	11/19/24	10.23	10.30	0.07
DPE-8	1/28/16	NP	6.83	0.00
DPE-8	2/2/16	NP	7.03	0.00
DPE-8	7/8/16	sheen	13.46	0.00
DPE-8	7/11/17	NP	18.96	0.00
DPE-8	6/11/18	15.72	15.76	0.04
DPE-8	9/23/19	NP	11.51	0.00
DPE-8	9/16/20	NP	12.64	0.00
DPE-8	6/10/24	9.40	13.75	4.35
DPE-8	6/25/24	9.93	12.72	2.79

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-8	6/27/24	10.07	12.86	2.79
DPE-8	6/27/24	12.60	12.98	0.38
DPE-8	7/1/24	10.49	11.28	0.79
DPE-8	7/11/24	10.83	11.65	0.82
DPE-8	7/17/24	--	--	0.72
DPE-8	7/26/24	11.21	11.99	0.78
DPE-8	7/29/24	11.16	11.93	0.77
DPE-8	8/7/24	11.40	12.18	0.78
DPE-8	8/7/24	12.96	13.11	0.15
DPE-8	8/12/24	11.48	11.67	0.19
DPE-8	8/12/24	12.21	12.28	0.07
DPE-8	8/27/24	11.41	11.68	0.27
DPE-8	9/5/24	11.33	11.54	0.21
DPE-8	9/5/24	12.04	12.14	0.10
DPE-8	9/10/24	11.33	11.43	0.10
DPE-8	9/20/24	11.45	11.55	0.10
DPE-8	9/26/24	11.47	11.56	0.09
DPE-8	10/1/24	11.47	11.51	0.04
DPE-8	10/10/24	sheen	11.39	0.00
DPE-8	10/16/24	NP	--	0.00
DPE-8	10/24/24	--	--	0.03
DPE-8	10/29/24	NP	9.02	0.00
DPE-8	11/12/24	7.32	7.43	0.11
DPE-8	11/19/24	6.70	6.80	0.10
DPE-9	1/28/16	NP	7.92	0.00
DPE-9	2/2/16	NP	6.93	0.00
DPE-9	7/8/16	NP	14.19	0.00
DPE-9	7/11/17	NP	18.39	0.00
DPE-9	6/11/18	NP	16.02	0.00
DPE-9	9/23/19	NP	12.91	0.00
DPE-9	6/10/24	NP	-	0.00
DPE-9	7/26/24	NP	11.91	0.00
DPE-9	7/29/24	NP	11.85	0.00
DPE-9	8/7/24	NP	12.01	0.00
DPE-9	8/12/24	NP	12.13	0.00
DPE-9	8/27/24	NP	12.00	0.00
DPE-9	9/10/24	NP	11.82	0.00
DPE-9	9/20/24	NP	11.86	0.00
DPE-9	9/26/24	NP	11.85	0.00
DPE-9	10/1/24	NP	11.87	0.00
DPE-9	10/10/24	NP	11.78	0.00
DPE-9	11/12/24	NP	10.58	0.00
DPE-9	11/19/24	NP	10.19	0.00
DPE-10	7/12/16	NP	14.86	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-10	7/11/17	NP	19.01	0.00
DPE-10	6/11/18	NP	16.19	0.00
DPE-10	12/17/18	NP	12.21	0.00
DPE-10	9/23/19	NP	13.00	0.00
DPE-10	9/1/22	NP	13.90	0.00
DPE-10	2/20/23	NP	10.32	0.00
DPE-10	8/4/23	NP	12.09	0.00
DPE-10	1/29/24	NP	9.14	0.00
DPE-10	6/10/24	NP	-	0.00
DPE-10	7/17/24	--	--	0.00
DPE-10	7/26/24	NP	11.58	0.00
DPE-10	7/29/24	NP	11.66	0.00
DPE-10	8/7/24	NP	11.84	0.00
DPE-10	8/12/24	NP	11.96	0.00
DPE-10	8/27/24	NP	12.09	0.00
DPE-10	9/20/24	NP	11.93	0.00
DPE-10	9/26/24	NP	11.90	0.00
DPE-10	10/1/24	NP	11.92	0.00
DPE-10	10/10/24	NP	11.96	0.00
DPE-10	11/12/24	NP	10.61	0.00
DPE-10	11/19/24	NP	10.30	0.00
DPE-11	7/12/16	NP	14.02	0.00
DPE-11	11/15/16	11.25	11.31	0.06
DPE-11	2/13/17	11.21	11.56	0.35
DPE-11	5/24/17	NP	13.11	0.00
DPE-11	7/11/17	NP	12.84	0.00
DPE-11	12/11/17	NP	10.27	0.00
DPE-11	2/26/18	NP	11.91	0.00
DPE-11	6/11/18	NP	17.97	0.00
DPE-11	12/17/18	NP	10.36	0.00
DPE-11	9/23/19	NP	12.46	0.00
DPE-11	9/16/20	13.90	14.07	0.17
DPE-11	2/20/23	11.82	11.92	0.10
DPE-11	8/14/23	13.45	13.55	0.10
DPE-11	1/29/24	9.25	9.42	0.17
DPE-11	6/10/24	10.80	11.10	0.30
DPE-11	6/27/24	11.21	11.52	0.31
DPE-11	7/11/24	12.05	12.36	0.31
DPE-11	7/17/24	--	--	0.08
DPE-11	7/26/24	12.98	13.08	0.10
DPE-11	7/29/24	12.74	12.84	0.10
DPE-11	8/12/24	13.20	13.28	0.08
DPE-11	8/12/24	14.17	14.18	0.01
DPE-11	8/27/24	13.04	13.06	0.02
DPE-11	9/5/24	12.97	13.00	0.03

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-11	9/10/24	12.86	12.90	0.04
DPE-11	9/20/24	12.90	12.93	0.03
DPE-11	9/26/24	12.99	13.01	0.02
DPE-11	10/1/24	13.16	13.19	0.03
DPE-11	10/10/24	12.66	12.67	0.01
DPE-11	10/16/24	NP	--	0.00
DPE-11	10/24/24	11.97	11.98	0.01
DPE-11	10/29/24	NP	11.02	0.00
DPE-11	11/12/24	NP	8.49	0.00
DPE-11	11/19/24	NP	7.10	0.00
DPE-12	7/12/16	NP	12.11	0.00
DPE-12	11/15/16	NP	8.91	0.00
DPE-12	2/13/17	7.71	7.73	0.02
DPE-12	5/24/17	11.38	11.71	0.33
DPE-12	7/11/17	NP	10.47	0.00
DPE-12	9/26/17	NP	12.85	0.00
DPE-12	12/11/17	NP	6.15	0.00
DPE-12	2/26/18	NP	8.88	0.00
DPE-12	6/11/18	NP	11.01	0.00
DPE-12	12/17/18	NP	7.98	0.00
DPE-12	9/23/19	NP	10.23	0.00
DPE-12	9/16/20	NP	11.40	0.00
DPE-12	6/10/24	NP	-	0.00
DPE-12	7/26/24	NP	10.81	0.00
DPE-12	7/29/24	NP	10.75	0.00
DPE-12	8/12/24	NP	11.27	0.00
DPE-12	8/27/24	NP	11.30	0.00
DPE-12	9/20/24	NP	11.12	0.00
DPE-12	9/26/24	NP	11.23	0.00
DPE-12	10/1/24	NP	11.92	0.00
DPE-12	10/10/24	NP	11.21	0.00
DPE-12	11/19/24	NP	7.80	0.00
DPE-13	7/12/16	NP	13.81	0.00
DPE-13	11/15/16	NP	11.24	0.00
DPE-13	2/13/17	-	11.28	0.00
DPE-13	5/24/17	NP	12.07	0.00
DPE-13	7/11/17	NP	13.51	0.00
DPE-13	9/26/17	NP	14.28	0.00
DPE-13	12/11/17	NP	9.69	0.00
DPE-13	2/26/18	NP	11.65	0.00
DPE-13	6/11/18	NP	11.40	0.00
DPE-13	12/17/18	NP	9.07	0.00
DPE-13	9/23/19	NP	10.68	0.00
DPE-13	9/1/22	NP	12.30	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-13	2/20/23	NP	9.23	0.00
DPE-13	8/14/23	-	11.93	0.00
DPE-13	1/29/24	NP	7.20	0.00
DPE-13	6/10/24	NP	-	0.00
DPE-13	7/29/24	NP	11.54	0.00
DPE-14	7/12/16	NP	8.81	0.00
DPE-14	11/15/16	NP	2.50	0.00
DPE-14	2/13/17	-	2.56	0.00
DPE-14	5/24/17	NP	4.97	0.00
DPE-14	7/11/17	NP	7.60	0.00
DPE-14	9/26/17	9.45	9.48	0.03
DPE-14	12/11/17	NP	4.77	0.00
DPE-14	2/26/18	NP	4.45	0.00
DPE-14	6/11/18	NP	7.06	0.00
DPE-14	12/17/18	NP	2.31	0.00
DPE-14	9/23/19	NP	8.93	0.00
DPE-14	6/10/24	NP	-	0.00
DPE-15	7/12/16	NP	9.39	0.00
DPE-15	11/15/16	NP	6.81	0.00
DPE-15	2/13/17	7.04	7.08	0.04
DPE-15	5/24/17	7.90	8.11	0.21
DPE-15	9/26/17	9.92	10.16	0.24
DPE-15	12/11/17	7.55	7.57	0.02
DPE-15	2/26/18	7.17	7.24	0.07
DPE-15	6/11/18	8.72	8.80	0.08
DPE-15	12/17/18	NP	7.13	0.00
DPE-15	9/23/19	8.15	8.21	0.06
DPE-15	6/10/24	NP	-	0.00
DPE-16	7/12/16	NP	8.50	0.00
DPE-16	11/15/16	NP	6.84	0.00
DPE-16	2/13/17	-	5.77	0.00
DPE-16	5/24/17	NP	6.81	0.00
DPE-16	7/11/17	NP	8.26	0.00
DPE-16	9/26/17	NP	8.57	0.00
DPE-16	12/11/17	NP	4.87	0.00
DPE-16	2/26/18	NP	4.77	0.00
DPE-16	6/11/18	NP	6.65	0.00
DPE-16	12/17/18	NP	5.08	0.00
DPE-16	9/23/19	NP	6.29	0.00
DPE-16	4/30/24	NP	4.61	0.00
DPE-16	6/10/24	NP	-	0.00
DPE-17	7/12/16	NP	9.34	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-17	11/15/16	NP	6.71	0.00
DPE-17	2/13/17	-	6.93	0.00
DPE-17	5/24/17	NP	7.86	0.00
DPE-17	7/11/17	NP	9.26	0.00
DPE-17	9/26/17	NP	9.79	0.00
DPE-17	12/11/17	NP	7.62	0.00
DPE-17	2/26/18	NP	7.70	0.00
DPE-17	6/11/18	NP	8.90	0.00
DPE-17	12/17/18	NP	7.56	0.00
DPE-17	9/23/19	NP	8.27	0.00
DPE-17	6/10/24	NP	-	0.00
DPE-18	7/14/16	NP	8.96	0.00
DPE-18	11/15/16	NP	6.30	0.00
DPE-18	2/13/17	6.06	6.07	0.01
DPE-18	5/24/17	NP	7.53	0.00
DPE-18	9/26/17	NP	9.42	0.00
DPE-18	12/11/17	NP	6.69	0.00
DPE-18	2/26/18	NP	7.26	0.00
DPE-18	6/11/18	NP	9.38	0.00
DPE-18	12/17/18	NP	6.98	0.00
DPE-18	9/23/19	NP	7.85	0.00
DPE-18	6/10/24	NP	-	0.00
DPE-19	7/8/16	NP	10.21	0.00
DPE-19	11/15/16	NP	7.40	0.00
DPE-19	2/13/17	-	6.74	0.00
DPE-19	5/24/17	NP	8.17	0.00
DPE-19	7/11/17	NP	9.62	0.00
DPE-19	9/26/17	NP	11.11	0.00
DPE-19	12/11/17	NP	7.60	0.00
DPE-19	2/26/18	NP	7.73	0.00
DPE-19	6/11/18	NP	9.36	0.00
DPE-19	12/17/18	NP	6.92	0.00
DPE-19	9/23/19	NP	8.60	0.00
DPE-19	6/10/24	NP	-	0.00
DPE-19	10/1/24	NP	10.90	0.00
DPE-20	7/8/16	NP	9.39	0.00
DPE-20	11/15/16	NP	7.38	0.00
DPE-20	2/13/17	-	7.12	0.00
DPE-20	5/24/17	NP	8.02	0.00
DPE-20	7/11/17	NP	9.40	0.00
DPE-20	9/26/17	NP	10.02	0.00
DPE-20	12/11/17	NP	7.68	0.00
DPE-20	2/26/18	NP	7.88	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-20	6/11/18	NP	9.06	0.00
DPE-20	12/17/18	NP	7.69	0.00
DPE-20	9/23/19	NP	8.43	0.00
DPE-20	6/10/24	NP	-	0.00
DPE-21	7/8/16	NP	8.20	0.00
DPE-21	7/11/17	NP	8.37	0.00
DPE-21	9/23/19	NP	5.07	0.00
DPE-21	6/10/24	NP	-	0.00
DPE-22	7/8/16	NP	9.46	0.00
DPE-22	7/11/17	NP	9.39	0.00
DPE-22	6/11/18	NP	9.12	0.00
DPE-22	9/23/19	NP	8.24	0.00
DPE-22	6/10/24	NP	-	0.00
DPE-23	7/8/16	NP	9.77	0.00
DPE-23	7/11/17	9.93	9.94	0.01
DPE-23	6/11/18	NP	9.52	0.00
DPE-23	9/23/19	NP	8.88	0.00
DPE-23	6/10/24	NP	-	0.00
DPE-24	7/8/16	NP	10.27	0.00
DPE-24	7/11/17	NP	10.25	0.00
DPE-24	6/11/18	NP	9.80	0.00
DPE-24	9/23/19	NP	8.50	0.00
DPE-24	6/10/24	NP	-	0.00
DPE-24	10/1/24	NP	10.20	0.00
DPE-25	7/8/16	8.71	12.02	3.31
DPE-25	5/30/17	7.45	11.96	4.51
DPE-25	7/11/17	7.9	11.39	3.49
DPE-25	12/11/17	7.42	7.71	0.29
DPE-25	6/11/18	8.58	10.90	2.32
DPE-25	3/11/19	7.44	7.50	0.06
DPE-25	6/12/19	6.48	6.63	0.15
DPE-25	9/23/19	8.60	8.67	0.07
DPE-25	12/4/19	7.14	7.21	0.07
DPE-25	2/24/20	NP	5.32	0.00
DPE-25	6/12/20	7.12	7.51	0.39
DPE-25	9/16/20	10.46	10.96	0.50
DPE-25	5/24/21	NP	9.50	0.00
DPE-25	12/20/21	NP	4.55	0.00
DPE-25	5/30/24	8.60	8.63	0.03
DPE-25	8/12/24	10.40	10.43	0.03
DPE-25	9/26/24	10.11	10.17	0.06

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-26	7/8/16	8.70	11.19	2.49
DPE-26	5/30/17	7.42	11.86	4.44
DPE-26	7/11/17	8.1	12.76	4.66
DPE-26	12/11/17	5.08	13.11	8.03
DPE-26	6/11/18	8.35	11.79	3.44
DPE-26	3/11/19	7.46	8.66	1.20
DPE-26	6/12/19	7.88	10.50	2.62
DPE-26	9/23/19	8.07	9.92	1.85
DPE-26	12/4/19	7.75	8.86	1.11
DPE-26	2/24/20	6.27	7.72	1.45
DPE-26	6/12/20	7.66	8.20	0.54
DPE-26	9/16/20	10.32	10.55	0.23
DPE-26	12/2/20	NP	7.53	0.00
DPE-26	3/16/21	9.17	9.21	0.04
DPE-26	5/24/21	NP	10.03	0.00
DPE-26	9/14/21	NP	11.38	0.00
DPE-26	12/20/21	7.42	7.48	0.06
DPE-26	3/1/22	NP	5.24	0.00
DPE-26	9/1/22	9.30	9.40	0.10
DPE-26	2/20/23	-	-	1.00
DPE-26	6/12/23	-	-	0.00
DPE-26	7/10/23	-	-	0.25
DPE-26	8/14/23	-	9.40	0.00
DPE-26	10/31/23	-	-	0.00
DPE-26	12/1/23	-	7.03	0.00
DPE-26	1/29/24	6.75	6.76	0.01
DPE-26	2/26/24	NP	5.15	0.00
DPE-26	3/5/24	6.72	6.77	0.05
DPE-26	3/29/24	NP	12.71	0.00
DPE-26	5/6/24	6.29	6.94	0.65
DPE-26	5/30/24	7.85	8.15	0.30
DPE-26	7/29/24	9.11	9.57	0.46
DPE-26	8/7/24	9.11	9.61	0.50
DPE-26	9/26/24	10.16	10.26	0.10
DPE-26	11/19/24	7.92	7.95	0.03
DPE-27	7/8/16	8.89	10.61	1.72
DPE-27	7/11/17	8.14	10.82	2.68
DPE-27	12/11/17	5.28	10.30	5.02
DPE-27	6/11/18	8.63	10.25	1.62
DPE-27	3/11/19	7.30	9.34	2.04
DPE-27	6/12/19	10.62	10.80	0.18
DPE-27	9/23/19	NP	8.44	0.00
DPE-27	12/4/19	7.68	7.70	0.02
DPE-27	2/24/20	7.04	7.11	0.07

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-27	6/12/20	7.75	7.85	0.10
DPE-27	9/16/20	NP	10.13	0.00
DPE-27	12/2/20	NP	7.17	0.00
DPE-27	3/16/21	9.08	9.09	0.01
DPE-27	5/24/21	NP	9.97	0.00
DPE-27	9/14/21	NP	11.18	0.00
DPE-27	12/20/21	NP	7.13	0.00
DPE-27	3/1/22	NP	5.18	0.00
DPE-27	9/1/22	NP	9.39	0.00
DPE-27	2/20/23	NP	7.32	0.00
DPE-27	8/14/23	NP	9.25	0.00
DPE-27	10/31/23	NP	-	0.00
DPE-27	12/1/23	NP	7.43	0.00
DPE-27	1/29/24	NP	5.85	0.00
DPE-27	2/26/24	NP	7.51	0.00
DPE-27	5/6/24	NP	8.66	0.00
DPE-27	5/30/24	NP	7.96	0.00
DPE-27	7/29/24	NP	8.94	0.00
DPE-27	8/29/24	NP	9.44	0.00
DPE-27	11/19/24	NP	7.20	0.00
DPE-28	7/8/16	8.79	10.20	1.41
DPE-28	7/11/17	7.5	9.75	2.25
DPE-28	12/11/17	4.94	5.25	0.31
DPE-28	6/11/18	8.57	8.60	0.03
DPE-28	9/23/19	NP	8.04	0.00
DPE-28	12/4/19	NP	7.31	0.00
DPE-28	2/24/20	NP	6.36	0.00
DPE-28	6/12/20	NP	7.51	0.00
DPE-28	9/16/20	NP	9.61	0.00
DPE-28	12/2/20	NP	6.58	0.00
DPE-28	3/16/21	NP	8.50	0.00
DPE-28	5/24/21	NP	9.40	0.00
DPE-28	12/20/21	NP	6.17	0.00
DPE-28	3/1/22	NP	5.30	0.00
DPE-28	9/1/22	NP	8.85	0.00
DPE-28	2/20/23	NP	6.00	0.00
DPE-28	8/14/23	-	8.79	0.00
DPE-28	10/31/23	-	-	0.00
DPE-28	12/1/23	-	6.09	0.00
DPE-28	1/29/24	NP	4.66	0.00
DPE-28	2/26/24	NP	6.13	0.00
DPE-28	5/6/24	NP	7.38	0.00
DPE-28	5/30/24	NP	6.95	0.00
DPE-28	7/29/24	NP	8.54	0.00
DPE-28	8/29/24	NP	9.10	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-28	11/19/24	NP	6.45	0.00
DPE-29	7/8/16	NP	9.60	0.00
DPE-29	11/15/16	NP	6.34	0.00
DPE-29	2/13/17	SHEEN	5.80	0.00
DPE-29	5/24/17	NP	7.42	0.00
DPE-29	7/11/17	NP	7.73	0.00
DPE-29	9/26/17	NP	7.33	0.00
DPE-29	12/11/17	NP	5.82	0.00
DPE-29	2/26/18	NP	8.31	0.00
DPE-29	6/11/18	NP	8.60	0.00
DPE-29	12/17/18	NP	7.41	0.00
DPE-29	9/23/19	NP	8.10	0.00
DPE-29	3/16/21	NP	7.90	0.00
DPE-29	5/24/21	NP	8.88	0.00
DPE-29	3/1/22	NP	3.02	0.00
DPE-29	9/1/22	NP	8.81	0.00
DPE-29	2/20/23	NP	7.56	0.00
DPE-29	8/14/23	NP	8.72	0.00
DPE-29	1/29/24	NP	4.94	0.00
DPE-29	5/30/24	NP	7.41	0.00
DPE-29	7/29/24	NP	8.53	0.00
DPE-30	7/8/16	NP	10.65	0.00
DPE-30	11/15/16	NP	8.51	0.00
DPE-30	2/16/17	NP	8.14	0.00
DPE-30	5/24/17	NP	9.22	0.00
DPE-30	7/11/17	NP	10.11	0.00
DPE-30	9/26/17	NP	11.53	0.00
DPE-30	12/11/17	NP	7.32	0.00
DPE-30	2/26/18	NP	9.34	0.00
DPE-30	6/11/18	NP	10.44	0.00
DPE-30	12/17/18	NP	9.40	0.00
DPE-30	9/23/19	NP	10.20	0.00
DPE-30	12/2/20	NP	9.22	0.00
DPE-30	3/16/21	NP	10.86	0.00
DPE-30	5/24/21	NP	11.81	0.00
DPE-30	3/1/22	NP	7.32	0.00
DPE-30	9/1/22	NP	11.05	0.00
DPE-30	2/20/23	NP	8.86	0.00
DPE-30	8/14/23	NP	10.68	0.00
DPE-30	10/31/23	NP	-	0.00
DPE-30	12/1/23	NP	8.61	0.00
DPE-30	1/29/24	NP	7.52	0.00
DPE-30	2/26/24	NP	9.17	0.00
DPE-30	5/6/24	NP	10.34	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-30	5/30/24	NP	9.50	0.00
DPE-30	7/29/24	NP	10.44	0.00
DPE-30	11/19/24	NP	9.50	0.00
DPE-31	7/8/16	9.99	10.10	0.11
DPE-31	7/11/2017	9.08	9.34	0.26
DPE-31	12/11/2017	NP	5.82	0.00
DPE-31	6/11/2018	9.80	9.81	0.01
DPE-31	3/11/2019	NP	8.20	0.00
DPE-31	12/4/2019	NP	8.60	0.00
DPE-31	2/24/2020	NP	6.95	0.00
DPE-31	6/12/2020	NP	8.50	0.00
DPE-31	12/2/2020	NP	7.41	0.00
DPE-31	3/16/2021	NP	10.07	0.00
DPE-31	9/14/2021	NP	12.73	0.00
DPE-31	12/20/2021	NP	8.58	0.00
DPE-31	5/6/24	Dry	Dry	Dry
DPE-31	5/31/24	Dry	Dry	Dry
DPE-31	8/29/31	Dry	Dry	Dry
DPE-31	11/19/24	Dry	Dry	Dry
DPE-32	7/8/16	9.32	11.61	2.29
DPE-32	5/30/2017	7.32	12.18	4.86
DPE-32	7/11/2017	8.21	12.91	4.70
DPE-32	12/11/2017	5.18	12.95	7.77
DPE-32	6/11/2018	9.18	11.20	2.02
DPE-32	3/11/2019	NP	7.88	0.00
DPE-32	6/12/2019	8.66	11.24	2.58
DPE-32	9/23/2019	8.60	8.61	0.01
DPE-32	12/4/2019	8.12	10.98	2.86
DPE-32	2/24/2020	7.42	8.73	1.31
DPE-32	6/12/2020	8.17	8.95	0.78
DPE-32	12/2/2020	NP	8.19	0.00
DPE-32	12/20/2021	NP	6.48	0.00
DPE-32	4/3/23	NP	-	0.17
DPE-32	6/12/23	NP	-	0.00
DPE-32	10/31/23	NP	-	0.17
DPE-32	12/1/23	7.69	7.98	0.29
DPE-32	3/5/24	NP	8.06	0.00
DPE-32	3/29/24	NP	14.66	0.00
DPE-32	5/6/24	NP	14.92	0.00
DPE-32	5/30/24	8.83	8.85	0.02
DPE-32	7/2/24	10.40	10.45	0.05
DPE-32	8/7/24	NP	10.35	0.00
DPE-32	8/29/24	NP	14.70	0.00
DPE-32	11/19/24	NP	14.67	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
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Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-33	7/8/16	9.40	9.98	0.58
DPE-33	11/15/2016	6.96	7.59	0.63
DPE-33	2/13/17	6.64	7.09	0.45
DPE-33	5/24/2017	7.85	8.30	0.45
DPE-33	7/11/2017	9.25	9.68	0.43
DPE-33	9/26/2017	10.09	10.42	0.33
DPE-33	12/11/2017	5.55	5.60	0.05
DPE-33	2/26/2018	7.86	7.89	0.03
DPE-33	6/11/2018	9.16	9.20	0.04
DPE-33	12/17/2018	NP	6.49	0.00
DPE-33	12/4/2019	NP	8.35	0.00
DPE-33	2/24/2020	NP	7.18	0.00
DPE-33	6/12/2020	NP	8.41	0.00
DPE-33	12/2/2020	NP	7.67	0.00
DPE-33	3/16/2021	NP	9.43	0.00
DPE-33	5/24/2021	NP	10.36	0.00
DPE-33	12/20/2021	NP	5.93	0.00
DPE-33	3/1/2022	NP	3.48	0.00
DPE-33	9/1/2022	NP	9.90	0.00
DPE-33	2/20/2023	NP	7.33	0.00
DPE-33	8/14/23	NP	10.04	0.00
DPE-33	10/31/23	NP	-	0.00
DPE-33	1/29/24	NP	3.79	0.00
DPE-33	5/30/24	NP	8.55	0.00
DPE-33	7/29/24	NP	9.78	0.00
DPE-33	8/29/24	NP	10.47	0.00
DPE-34	1/19/16	4.75	9.42	4.67
DPE-34	7/14/16	8.35	9.84	1.49
DPE-34	11/15/2016	5.50	8.57	3.07
DPE-34	2/13/17	4.43	8.93	4.50
DPE-34	5/16/2017	5.16	9.58	4.42
DPE-34	5/24/2017	5.69	9.84	4.15
DPE-34	7/11/2017	6.21	9.68	3.47
DPE-34	9/26/2017	8.72	9.26	0.54
DPE-34	12/11/2017	4.02	4.35	0.33
DPE-34	2/26/2018	6.14	6.42	0.28
DPE-34	6/11/2018	7.50	7.58	0.08
DPE-34	12/17/2018	NP	5.68	0.00
DPE-34	12/4/2019	NP	5.84	0.00
DPE-34	2/24/2020	NP	5.04	0.00
DPE-34	6/12/2020	NP	--	0.00
DPE-34	12/2/2020	NP	--	0.00
DPE-34	3/16/2021	NP	7.07	0.00
DPE-34	5/24/2021	NP	9.81	0.00

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Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-34	12/20/2021	NP	--	0.00
DPE-34	3/1/2022	NP	4.43	0.00
DPE-34	9/1/2022	NP	7.72	0.00
DPE-34	2/20/2023	NP	5.25	0.00
DPE-34	8/14/23	NP	7.79	0.00
DPE-34	12/1/23	NP	9.22	0.00
DPE-34	3/5/24	NP	4.99	0.00
DPE-34	5/6/24	NP	7.09	0.00
DPE-34	5/30/24	NP	6.88	0.00
DPE-34	7/29/24	NP	9.10	0.00
DPE-34	11/19/24	Inaccessible		
DPE-35	7/11/16	8.92	11.30	2.38
DPE-35	5/30/2017	7.38	12.80	5.42
DPE-35	7/11/2017	7.93	13.49	5.56
DPE-35	12/11/2017	5.03	13.52	8.49
DPE-35	6/11/2018	8.60	11.52	2.92
DPE-35	3/11/2019	7.22	12.56	5.34
DPE-35	6/12/2019	8.43	13.18	4.75
DPE-35	9/23/2019	8.00	11.85	3.85
DPE-35	12/4/2019	8.20	8.51	0.31
DPE-35	2/24/2020	7.06	9.40	2.34
DPE-35	6/12/2020	7.87	9.75	1.88
DPE-35	12/2/2020	NP	7.77	0.00
DPE-35	12/20/2021	NP	8.09	0.00
DPE-35	2/26/24	7.97	9.31	1.34
DPE-35	5/30/24	8.37	8.73	0.36
DPE-35	7/1/24	8.76	8.82	0.06
DPE-35	8/7/24	9.97	10.02	0.05
DPE-36	7/11/16	8.94	9.71	0.77
DPE-36	7/11/2017	7.69	9.38	1.69
DPE-36	12/11/2017	6.15	6.21	0.06
DPE-36	6/11/2018	NP	8.66	0.00
DPE-36	3/11/2019	7.60	7.63	0.03
DPE-36	12/4/2019	NP	7.82	0.00
DPE-36	2/24/2020	NP	7.12	0.00
DPE-36	6/12/2020	7.79	7.81	0.02
DPE-36	12/2/2020	NP	7.52	0.00
DPE-36	9/14/2021	NP	11.54	0.00
DPE-36	12/20/2021	NP	8.00	0.00
DPE-36	6/12/23	-	-	0.00
DPE-36	10/31/23	-	-	0.17
DPE-36	2/22/24	-	-	0.25
DPE-36	2/26/24	7.60	7.77	0.17
DPE-36	3/5/24	7.28	7.56	0.28

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Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-36	3/29/24	7.98	8.16	0.18
DPE-36	5/30/24	7.81	7.87	0.06
DPE-36	7/1/24	8.31	8.74	0.43
DPE-36	8/7/24	9.13	9.15	0.02
DPE-37	7/11/16	NP	8.86	0.00
DPE-37	11/15/2016	NP	6.62	0.00
DPE-37	2/13/17	NP	6.06	0.00
DPE-37	5/24/2017	NP	7.11	0.00
DPE-37	7/11/2017	NP	7.74	0.00
DPE-37	9/26/2017	NP	9.21	0.00
DPE-37	12/11/2017	NP	3.45	0.00
DPE-37	2/26/2018	NP	6.88	0.00
DPE-37	6/11/2018	NP	8.40	0.00
DPE-37	12/17/2018	NP	7.21	0.00
DPE-37	12/2/2020	NP	--	0.00
DPE-37	3/16/2021	NP	8.54	0.00
DPE-37	5/24/2021	NP	9.02	0.00
DPE-37	3/1/2022	NP	4.83	0.00
DPE-37	9/1/2022	NP	8.85	0.00
DPE-37	2/20/2023	NP	6.85	0.00
DPE-37	8/14/23	9.15	9.25	0.10
DPE-37	10/31/23	NP	-	0.00
DPE-37	12/1/23	NP	6.73	0.00
DPE-37	1/29/24	NP	5.54	0.00
DPE-37	2/26/24	NP	6.98	0.00
DPE-37	4/18/24	NP	7.10	0.00
DPE-37	5/6/24	NP	8.01	0.00
DPE-37	5/30/24	NP	7.20	0.00
DPE-37	7/29/24	NP	7.50	0.00
DPE-37	10/1/24	NP	9.11	0.00
DPE-37	11/19/24	NP	7.61	0.00
DPE-38	7/11/16	6.30	10.55	4.25
DPE-38	11/15/2016	4.65	6.35	1.70
DPE-38	2/13/17	3.43	7.60	4.17
DPE-38	5/16/2017	3.69	9.35	5.66
DPE-38	5/24/2017	4.79	4.80	0.01
DPE-38	7/11/2017	NP	5.32	0.00
DPE-38	9/26/2017	NP	7.09	0.00
DPE-38	12/11/2017	NP	2.87	0.00
DPE-38	2/26/2018	NP	5.41	0.00
DPE-38	6/11/2018	NP	6.57	0.00
DPE-38	12/17/2018	NP	4.73	0.00
DPE-38	12/4/2019	NP	5.62	0.00
DPE-38	2/24/2020	NP	5.05	0.00

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Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-38	6/12/2020	NP	--	0.00
DPE-38	12/2/2020	NP	--	0.00
DPE-38	3/16/2021	NP	5.46	0.00
DPE-38	5/24/2021	NP	--	0.00
DPE-38	12/20/2021	NP	3.60	0.00
DPE-38	3/1/2022	NP	3.63	0.00
DPE-38	9/1/2022	NP	6.90	0.00
DPE-38	2/20/2023	NP	--	0.00
DPE-38	8/14/23	NP	6.72	0.00
DPE-38	12/1/23	NP	4.50	0.00
DPE-38	1/29/24	NP	2.62	0.00
DPE-38	2/26/24	NP	4.13	0.00
DPE-38	4/18/24	NP	4.77	0.00
DPE-38	5/30/24	NP	5.30	0.00
DPE-38	7/29/24	NP	6.25	0.00
DPE-38	11/19/24	NP	5.34	0.00
DPE-39	7/11/16	8.97	11.35	2.38
DPE-39	11/15/2016	6.46	10.35	3.89
DPE-39	2/13/17	6.00	11.99	5.99
DPE-39	5/16/2017	6.45	12.05	5.60
DPE-39	5/24/2017	6.74	14.10	7.36
DPE-39	7/11/2017	7.75	14.32	6.57
DPE-39	9/26/2017	9.82	12.04	2.22
DPE-39	12/11/2017	4.85	13.44	8.59
DPE-39	2/26/2018	7.06	12.87	5.81
DPE-39	6/11/2018	8.66	12.19	3.53
DPE-39	12/17/2018	7.30	10.96	3.66
DPE-39	3/11/2019	7.31	13.31	6.00
DPE-39	6/12/2019	7.37	12.40	5.03
DPE-39	9/23/2019	8.48	9.13	0.65
DPE-39	12/4/2019	7.95	9.62	1.67
DPE-39	2/24/2020	7.13	9.99	2.86
DPE-39	6/12/2020	8.07	9.65	1.58
DPE-39	12/2/2020	NP	8.14	0.00
DPE-39	5/24/2021	NP	--	0.00
DPE-39	9/14/2021	NP	11.78	0.00
DPE-39	12/20/2021	NP	6.73	0.00
DPE-39	11/8/2022	NP	8.20	0.00
DPE-39	2/22/24	-	-	0.50
DPE-39	4/18/24	9.33	9.59	0.26
DPE-39	5/30/24	8.80	9.12	0.32
DPE-39	9/26/24	NP	10.88	0.00
DPE-39	10/1/24	NP	9.85	0.00
DPE-40	7/11/16	8.75	10.45	1.70

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Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-40	7/11/2017	7.57	10.94	3.37
DPE-40	12/11/2017	4.82	11.71	6.89
DPE-40	6/11/2018	8.46	10.40	1.94
DPE-40	3/11/2019	7.41	10.78	3.37
DPE-40	6/12/2019	8.33	13.10	4.77
DPE-40	9/23/2019	8.00	9.65	1.65
DPE-40	12/4/2019	7.95	8.23	0.28
DPE-40	2/24/2020	6.62	10.04	3.42
DPE-40	6/12/2020	7.71	9.05	1.34
DPE-40	12/2/2020	--	7.56	0.00
DPE-40	11/8/2022	--	7.55	0.00
DPE-40	6/12/23	-	-	0.00
DPE-40	3/5/24	7.73	7.80	0.07
DPE-40	4/18/24	7.74	8.06	0.32
DPE-40	5/30/24	7.87	8.12	0.25
DPE-40	8/12/24	10.53	10.67	0.14
DPE-40	9/26/24	NP	10.87	0.00
DPE-40	10/1/24	NP	10.45	0.00
DPE-41	7/11/16	9.29	10.71	1.42
DPE-41	7/11/2017	7.93	11.18	3.25
DPE-41	12/11/2017	5.37	11.98	6.61
DPE-41	6/11/2018	8.84	10.92	2.08
DPE-41	3/11/2019	7.60	11.03	3.43
DPE-41	6/12/2019	8.30	11.62	3.32
DPE-41	9/23/2019	8.32	10.34	2.02
DPE-41	12/4/2019	8.21	8.54	0.33
DPE-41	2/24/2020	7.58	7.60	0.02
DPE-41	6/12/2020	8.30	8.36	0.06
DPE-41	12/2/2020	NP	7.79	0.00
DPE-41	2/22/24	NP	-	2.00
DPE-41	4/30/24	8.70	10.65	1.95
DPE-41	5/30/24	8.22	9.03	0.81
DPE-41	8/12/24	10.56	10.72	0.16
DPE-42	7/11/16	NP	8.96	0.00
DPE-42	11/15/2016	NP	5.81	0.00
DPE-42	2/13/17	-	5.00	0.00
DPE-42	5/24/2017	NP	6.58	0.00
DPE-42	7/11/2017	NP	8.78	0.00
DPE-42	9/26/2017	NP	9.30	0.00
DPE-42	12/11/2017	NP	5.27	0.00
DPE-42	2/26/2018	NP	7.32	0.00
DPE-42	6/11/2018	NP	8.69	0.00
DPE-42	12/17/2018	NP	6.55	0.00
DPE-42	3/16/2021	NP	8.82	0.00

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Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-42	5/24/2021	NP	--	0.00
DPE-42	3/1/2022	NP	4.80	0.00
DPE-42	9/1/2022	NP	9.20	0.00
DPE-42	2/20/2023	NP	6.19	0.00
DPE-42	8/14/23	-	9.16	0.00
DPE-42	10/31/23	-	-	0.00
DPE-42	1/29/24	NP	6.39	0.00
DPE-42	4/30/24	NP	6.61	0.00
DPE-42	5/6/24	NP	6.72	0.00
DPE-42	5/30/24	NP	6.31	0.00
DPE-42	7/29/24	Not accessible		
DPE-42	11/19/24	NP	7.90	0.00
DPE-43	7/8/16	7.54	13.70	6.16
DPE-43	11/15/2016	5.07	7.75	2.68
DPE-43	2/13/17	4.23	8.58	4.35
DPE-43	5/16/2017	4.57	10.53	5.96
DPE-43	5/24/2017	5.73	6.36	0.63
DPE-43	7/11/2017	6.84	6.86	0.02
DPE-43	9/26/2017	8.2	8.27	0.07
DPE-43	12/11/2017	NP	3.12	0.00
DPE-43	2/26/2018	4.62	4.68	0.06
DPE-43	6/11/2018	6.67	6.80	0.13
DPE-43	12/17/2018	NP	4.86	0.00
DPE-43	12/4/2019	5.60	5.98	0.38
DPE-43	2/24/2020	4.07	4.32	0.25
DPE-43	6/12/2020	5.71	6.13	0.42
DPE-43	12/2/2020	4.96	5.25	0.29
DPE-43	3/16/2021	4.72	5.26	0.54
DPE-43	5/24/2021	6.34	6.84	0.50
DPE-43	12/20/2021	3.58	3.74	0.16
DPE-43	3/1/2022	3.14	3.63	0.49
DPE-43	9/1/2022	NP	17.20	0.00
DPE-43	11/8/2022	NP	8.20	0.00
DPE-43	2/20/2023	NP	6.50	0.00
DPE-43	6/12/23	NP	-	0.00
DPE-43	8/14/23	NP	8.64	0.00
DPE-43	10/31/23	NP	-	0.00
DPE-43	12/1/23	NP	5.99	0.00
DPE-43	1/29/24	NP	4.24	0.00
DPE-43	2/26/24	NP	5.80	0.00
DPE-43	4/12/24	NP	6.15	0.00
DPE-43	5/6/24	NP	6.59	0.00
DPE-43	7/29/24	NP	8.08	0.00
DPE-43	11/19/24	NP	6.34	0.00

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Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
EX-1	7/11/16	9.05	9.60	0.55
EX-1	4/18/24	NP	7.77	0.00
EX-1	4/30/24	NP	9.18	0.00
EX-1	5/30/24	8.07	8.14	0.07
EX-1	8/7/24	NP	11.85	0.00
DPE-44	7/8/16	NP	9.31	0.00
DPE-44	7/11/2017	NP	6.60	0.00
DPE-44	12/11/2017	NP	5.55	0.00
DPE-44	6/11/2018	NP	6.12	0.00
DPE-44	3/16/2021	NP	4.58	0.00
DPE-44	10/31/23	NP	-	0.00
DPE-44	3/5/24	NP	1.86	0.00
DPE-45	7/8/16	9.11	9.65	0.54
DPE-45	11/15/2016	6.65	7.02	0.37
DPE-45	2/13/17	6.54	7.08	0.54
DPE-45	5/24/2017	7.41	8.20	0.79
DPE-45	7/11/2017	8.89	9.71	0.82
DPE-45	9/26/2017	9.95	10.63	0.68
DPE-45	12/11/2017	6.91	7.16	0.25
DPE-45	2/26/2018	7.36	7.96	0.60
DPE-45	6/11/2018	8.70	9.13	0.43
DPE-45	12/17/2018	6.90	7.21	0.31
DPE-45	12/4/2019	7.56	7.92	0.36
DPE-45	2/24/2020	6.36	6.71	0.35
DPE-45	6/12/2020	7.43	7.78	0.35
DPE-45	12/2/2020	6.92	7.30	0.38
DPE-45	3/16/2021	6.67	7.11	0.44
DPE-45	5/24/2021	8.05	8.49	0.44
DPE-45	12/20/2021	5.54	5.97	0.43
DPE-45	3/1/2022	3.22	3.71	0.49
DPE-45	9/1/2022	NP	9.72	0.00
DPE-45	11/8/2022	NP	8.80	0.00
DPE-45	2/20/2023	NP	6.25	0.00
DPE-45	6/12/23	-	-	0.00
DPE-45	8/14/23	-	8.61	0.00
DPE-45	10/31/23	-	-	0.00
DPE-45	12/1/23	NP	5.63	0.00
DPE-45	1/29/24	NP	5.46	0.00
DPE-45	4/12/24	NP	6.05	0.00
DPE-45	4/30/24	NP	6.22	0.00
DPE-45	5/6/24	NP	6.43	0.00
DPE-45	7/29/24	NP	7.67	0.00
DPE-45	10/1/24	NP	7.96	0.00
DPE-45	11/19/24	NP	5.80	0.00

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Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-46	7/8/16	9.25	19.20	9.95
DPE-46	5/16/2017	7.33	13.55	6.22
DPE-46	7/11/2017	9.02	10.20	1.18
DPE-46	12/11/2017	5.71	6.26	0.55
DPE-46	6/11/2018	NP	9.36	0.00
DPE-46	12/4/2019	NP	8.49	0.00
DPE-46	2/24/2020	5.70	5.73	0.03
DPE-46	6/12/2020	8.38	8.39	0.01
DPE-46	12/2/2020	NP	8.11	0.00
DPE-46	3/16/2021	NP	8.14	0.00
DPE-46	5/24/2021	NP	10.45	0.00
DPE-46	12/20/2021	NP	8.04	0.00
DPE-46	10/31/23	-	-	0.00
DPE-46	3/5/24	NP	5.27	0.00
DPE-47	7/8/16	NP	6.92	0.00
DPE-47	11/15/2016	-	4.75	-
DPE-47	2/13/17	-	3.57	0.00
DPE-47	5/24/2017	-	4.68	-
DPE-47	7/11/2017	-	6.06	-
DPE-47	9/26/2017	-	7.93	-
DPE-47	12/11/2017	-	3.47	-
DPE-47	2/26/2018	-	4.68	-
DPE-47	6/11/2018	-	6.31	-
DPE-47	12/17/2018	-	4.84	-
DPE-47	12/2/2020	-	4.92	-
DPE-47	3/16/2021	-	4.74	-
DPE-47	5/24/2021	-	6.22	-
DPE-47	3/1/2022	-	2.96	-
DPE-47	9/1/2022	-	8.15	-
DPE-47	2/20/2023	-	5.15	-
DPE-47	8/14/23	NP	7.61	0.00
DPE-47	10/31/23	NP	-	0.00
DPE-47	12/1/23	NP	4.98	0.00
DPE-47	1/29/24	NP	3.22	0.00
DPE-47	4/12/24	NP	5.07	0.00
DPE-47	5/6/24	NP	5.58	0.00
DPE-47	7/29/24	NP	7.00	0.00
DPE-47	11/19/24	Inaccessible		
DPE-48	7/8/16	10.30	11.75	1.45
DPE-48	7/11/2017	9.96	12.15	2.19
DPE-48	12/11/2017	NP	7.42	0.00
DPE-48	6/11/2018	NP	10.16	0.00
DPE-48	12/4/2019	NP	9.28	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-48	2/24/2020	NP	8.60	0.00
DPE-48	6/12/2020	NP	9.42	0.00
DPE-48	12/2/2020	NP	9.01	0.00
DPE-48	3/16/2021	NP	9.42	0.00
DPE-48	5/24/2021	NP	10.36	0.00
DPE-48	12/20/2021	NP	8.42	0.00
DPE-49	7/8/16	9.40	12.54	3.14
DPE-49	5/16/2017	7.58	11.05	3.47
DPE-49	7/11/2017	8.5	12.38	3.88
DPE-49	12/11/2017	5.78	13.52	7.74
DPE-49	6/11/2018	9.08	11.70	2.62
DPE-49	3/11/2019	7.45	14.00	6.55
DPE-49	6/12/2019	8.12	10.80	2.68
DPE-49	9/23/2019	8.68	10.20	1.52
DPE-49	12/4/2019	8.58	9.22	0.64
DPE-49	2/24/2020	7.80	9.00	1.20
DPE-49	6/12/2020	8.54	9.55	1.01
DPE-49	12/2/2020	NP	8.27	0.00
DPE-49	3/16/2021	NP	10.20	0.00
DPE-49	5/24/2021	NP	10.22	0.00
DPE-49	12/20/2021	NP	9.07	0.00
DPE-49	4/30/24	NP	9.72	0.00
DPE-50	7/8/16	10.38	11.30	0.92
DPE-50	7/11/2017	NP	9.87	0.00
DPE-50	12/11/2017	7.31	7.33	0.02
DPE-50	6/11/2018	NP	10.26	0.00
DPE-50	12/4/2019	NP	9.19	0.00
DPE-50	2/24/2020	NP	7.98	0.00
DPE-50	6/12/2020	NP	8.98	0.00
DPE-50	12/2/2020	NP	8.80	0.00
DPE-50	3/16/2021	NP	10.26	0.00
DPE-50	5/24/2021	NP	11.28	0.00
DPE-50	9/14/2021	NP	12.68	0.00
DPE-50	12/20/2021	NP	8.72	0.00
DPE-51	1/19/16	NP	8.37	0.00
DPE-51	7/8/16	10.40	10.58	0.18
DPE-51	7/11/2017	9.46	9.70	0.24
DPE-51	6/11/2018	10.76	10.80	0.04
DPE-51	12/4/2019	NP	9.80	0.00
DPE-51	2/24/2020	NP	6.92	0.00
DPE-51	6/12/2020	NP	9.25	0.00
DPE-51	12/2/2020	NP	8.93	0.00
DPE-51	3/16/2021	NP	9.65	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-51	12/20/2021	NP	8.43	0.00
DPE-52	7/8/16	9.65	12.45	2.80
DPE-52	5/15/2017	7.96	11.58	3.62
DPE-52	7/11/2017	9.13	9.20	0.07
DPE-52	12/11/2017	6.98	7.00	0.02
DPE-52	6/11/2018	10.19	10.33	0.14
DPE-52	12/4/2019	8.92	9.18	0.26
DPE-52	2/24/2020	8.21	8.44	0.23
DPE-52	6/12/2020	8.90	9.50	0.60
DPE-52	12/2/2020	8.38	8.93	0.55
DPE-52	3/16/2021	9.96	10.27	0.31
DPE-52	5/24/2021	10.97	11.41	0.44
DPE-52	12/20/2021	NP	9.55	0.00
DPE-52	8/12/2024	NP	11.11	0.00
DPE-53	7/11/16	NP	9.37	0.00
DPE-53	11/15/2016	NP	7.19	0.00
DPE-53	2/13/17	NP	6.76	0.00
DPE-53	5/24/2017	NP	7.97	0.00
DPE-53	7/11/2017	NP	8.37	0.00
DPE-53	9/26/2017	NP	10.14	0.00
DPE-53	12/11/2017	NP	6.07	0.00
DPE-53	2/26/2018	NP	7.75	0.00
DPE-53	6/11/2018	NP	8.95	0.00
DPE-53	12/17/2018	NP	7.68	0.00
DPE-54	7/11/16	9.86	12.19	2.33
DPE-54	5/30/2017	8.00	14.03	6.03
DPE-54	7/11/2017	8.86	11.73	2.87
DPE-54	12/11/2017	6.94	8.82	1.88
DPE-54	6/11/2018	9.92	10.01	0.09
DPE-54	3/11/2019	8.89	9.02	0.13
DPE-54	12/4/2019	9.11	9.26	0.15
DPE-54	2/24/2020	8.11	9.17	1.06
DPE-54	6/12/2020	NP	9.16	0.00
DPE-54	12/2/2020	8.25	9.85	1.60
DPE-54	3/16/2021	8.47	8.48	0.01
DPE-54	5/24/2021	9.82	10.58	0.76
DPE-54	9/1/2022	20.02	22.10	2.08
DPE-54	11/8/2022	NP	8.42	0.00
DPE-54	2/13/23	-	-	1.00
DPE-54	2/20/2023	8.35	10.50	2.15
DPE-54	7/10/23	-	-	1.00
DPE-54	8/14/23	10.45	10.70	0.25
DPE-54	10/31/23	NP	-	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-54	12/1/23	8.45	8.53	0.08
DPE-54	1/29/24	NP	7.82	0.00
DPE-54	3/5/24	7.91	8.06	0.15
DPE-54	3/29/24	14.92	15.29	0.37
DPE-54	5/6/24	NP	18.44	0.00
DPE-54	7/1/24	9.12	11.60	2.48
DPE-54	7/29/24	10.10	10.32	0.22
DPE-54	9/20/24	10.60	11.26	0.66
DPE-54	11/19/24	NP	12.39	0.00
DPE-55	7/11/16	NP	9.90	0.00
DPE-55	11/15/2016	NP	6.13	0.00
DPE-55	2/13/17	NP	4.67	0.00
DPE-55	5/24/2017	NP	7.78	0.00
DPE-55	7/11/2017	NP	9.75	0.00
DPE-55	9/26/2017	NP	10.91	0.00
DPE-55	12/11/2017	NP	6.73	0.00
DPE-55	2/26/2018	NP	7.13	0.00
DPE-55	6/11/2018	NP	9.18	0.00
DPE-55	12/2/2020	NP	7.64	0.00
DPE-55	3/16/2021	NP	7.82	0.00
DPE-55	5/24/2021	NP	8.49	0.00
DPE-55	3/1/2022	NP	5.18	0.00
DPE-55	9/1/2022	NP	10.08	0.00
DPE-55	2/20/2023	NP	6.83	0.00
DPE-55	8/14/23	NP	10.04	0.00
DPE-55	10/31/23	NP	-	0.00
DPE-55	12/1/23	NP	6.34	0.00
DPE-55	1/29/24	NP	4.66	0.00
DPE-55	3/5/24	NP	5.41	0.00
DPE-55	4/18/24	NP	8.50	0.00
DPE-55	5/6/24	NP	9.12	0.00
DPE-55	7/29/24	NP	9.66	0.00
DPE-55	10/1/24	NP	10.31	0.00
DPE-55	11/19/24	NP	8.00	0.00
DPE-56	7/11/16	9.81	13.00	3.19
DPE-56	5/15/2017	7.98	13.17	5.19
DPE-56	7/11/2017	9.44	10.03	0.59
DPE-56	12/11/2017	7.37	7.76	0.39
DPE-56	6/11/2018	10.15	10.32	0.17
DPE-56	12/4/2019	8.58	12.05	3.47
DPE-56	2/24/2020	8.55	8.82	0.27
DPE-56	6/12/2020	9.21	9.36	0.15
DPE-56	12/2/2020	8.62	8.87	0.25
DPE-56	3/16/2021	NP	8.58	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-56	5/24/2021	10.00	10.01	0.01
DPE-56	12/20/2021	NP	9.43	0.00
DPE-56	9/1/2022	10.75	10.85	0.10
DPE-56	2/20/2023	NP	6.42	0.00
DPE-56	8/14/23	NP	10.76	0.00
DPE-56	10/31/23	NP	-	0.08
DPE-56	12/1/23	8.55	8.57	0.02
DPE-56	1/29/24	NP	7.79	0.00
DPE-56	3/5/24	NP	8.63	0.00
DPE-56	3/29/24	NP	7.34	0.00
DPE-56	5/6/24	NP	7.76	0.00
DPE-56	7/1/24	Sheen	9.70	0.00
DPE-56	7/29/24	NP	10.28	0.00
DPE-56	8/12/24	NP	11.19	0.00
DPE-56	9/20/24	10.47	10.49	0.02
DPE-56	11/19/24	9.23	9.26	0.00
DPE-57	1/19/16	7.13	9.21	2.08
DPE-57	7/11/16	9.32	11.44	2.12
DPE-57	11/15/2016	6.94	9.72	2.78
DPE-57	2/13/17	6.65	9.82	3.17
DPE-57	5/15/2017	7.6	10.80	3.20
DPE-57	5/24/2017	8.3	9.68	1.38
DPE-57	7/11/2017	NP	8.87	0.00
DPE-57	9/26/2017	10.01	10.36	0.35
DPE-57	12/11/2017	6.48	6.73	0.25
DPE-57	2/26/2018	8.19	8.66	0.47
DPE-57	6/11/2018	9.40	9.71	0.31
DPE-57	12/4/2019	8.49	9.26	0.77
DPE-57	2/24/2020	7.77	8.60	0.83
DPE-57	6/12/2020	8.43	9.30	0.87
DPE-57	12/2/2020	7.88	8.55	0.67
DPE-57	3/16/2021	8.35	9.02	0.67
DPE-57	5/24/2021	9.14	9.75	0.61
DPE-57	9/14/2021	10.75	10.85	0.10
DPE-57	12/20/2021	NP	--	0.00
DPE-57	3/1/2022	5.38	5.56	0.18
DPE-57	9/1/2022	NP	8.72	0.00
DPE-57	11/8/2022	NP	8.40	0.00
DPE-57	2/20/2023	NP	8.04	0.00
DPE-57	6/12/23	NP	-	0.00
DPE-57	8/14/23	NP	9.91	0.00
DPE-57	10/31/23	NP	-	0.00
DPE-57	12/1/23	NP	7.56	0.00
DPE-57	1/29/24	NP	3.81	0.00
DPE-57	3/5/24	NP	6.19	0.00

Table 5
LNAPL Gauging Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-57	4/18/24	NP	8.56	0.00
DPE-57	5/6/24	NP	9.01	0.00
DPE-57	7/29/24	NP	9.56	0.00
DPE-57	8/12/24	NP	10.41	0.00
DPE-57	10/1/24	NP	10.10	0.00
DPE-57	11/19/24	NP	7.68	0.00

Table 6

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	--
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	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
W-1	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	--
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
W-2	8/23/2010	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	--
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	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
B-2	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	--
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	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
B-3A	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	--
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	

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
B-4	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-4	8/14/2023	21.28	--	--	--	8.67	12.61	
B-4	11/30/2023	21.28	--	--	--	4.85	16.43	
B-4	1/29/2024	21.28	--	--	--	2.75	18.53	
B-4	5/6/2024	21.28	--	--	--	5.33	15.95	
B-4	7/29/2024	21.28	--	--	--	7.06	14.22	
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	--
								--
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	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
B-6	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	
B-6	8/14/2023	21.00	--	--	--	7.59	13.41	
B-6	11/30/2023	21.00	--	--	--	4.92	16.08	
B-6	1/29/2024	21.00	--	--	--	3.00	18.00	
B-6	5/6/2024	21.00	--	--	--	5.38	15.62	
B-6	7/29/2024	21.00	--	--	--	6.95	14.05	
D-1	1/27/1993	18.03	--	--	--	5.53	12.50	--
D-1	3/12/1993	18.03	--	--	--	6.65	11.38	--
D-1	4/14/1993	18.03	--	--	--	5.84	12.19	--
D-1	12/15/1993	18.03	--	--	--	6.59	11.44	--
D-1	11/4/1994	18.03	--	--	--	7.55	10.48	--
D-1	2/22/1995	18.03	--	--	--	5.90	12.13	--
D-1	6/16/1995	18.03	--	--	--	6.86	11.17	--
D-1	10/20/1995	18.03	--	--	--	6.60	11.43	--
D-1	4/4/1996	18.03	--	--	--	6.44	11.59	--
D-1	4/16/1996	18.03	--	--	--	6.36	11.67	--
D-1	5/1/1997	18.03	--	--	--	6.06	11.97	--
D-1R	11/14/2011	20.13	--	--	--	8.66	11.47	--
D-1R	2/20/2012	20.13	--	--	--	7.31	12.82	--
D-1R	8/22/2012	20.13	--	--	--	9.49	10.64	--
D-1R	11/5/2012	20.13	--	--	--	7.77	12.36	--
D-1R	1/28/2013	20.13	--	--	--	7.78	12.35	--
D-1R	5/9/2013	20.13	--	--	--	8.33	11.80	--
D-1R	8/19/2013	20.13	--	--	--	10.28	9.85	--
D-1R	11/25/2013	20.13	--	--	--	7.91	12.22	--
D-1R	2/14/2014	20.13	--	--	--	7.25	12.88	--
D-1R	5/5/2014	20.13	--	--	--	6.46	13.67	--
D-1R	8/19/2014	20.13	--	--	--	8.99	11.14	--
D-1R	11/21/2014	20.13	--	--	--	7.61	12.52	--
D-1R	11/14/2016	20.13	--	--	--	7.22	12.91	--
D-1R	11/16/2016	--	--	--	--	--	--	--
D-1R	2/16/2017	20.13	--	--	--	6.68	13.45	--
D-1R	5/24/2017	20.13	--	--	--	7.61	12.52	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
D-1R	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-1R	8/14/2023	20.13	--	--	--	9.71	10.42	
D-1R	11/30/2023	20.13	--	--	--	7.68	12.45	
D-1R	1/29/2024	20.13	--	--	--	6.15	13.98	
D-1R	5/6/2024	20.13	--	--	--	8.02	12.11	
D-1R	7/29/2024	20.13	--	--	--	9.44	10.69	
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			Decomissioned Well and Replaced With D-4R				
D-4R	11/14/2011	21.27	--	--	--	9.06	12.21	--
D-4R	2/20/2012	21.27	--	--	--	7.85	13.42	--
D-4R	8/22/2012	21.27	--	--	--	10.22	11.05	--
D-4R	11/5/2012	21.27	--	--	--	8.37	12.90	--
D-4R	1/28/2013	21.27	--	--	--	8.11	13.16	--
D-4R	5/9/2013	21.27	--	--	--	8.71	12.56	--
D-4R	8/19/2013	21.27	--	--	--	10.97	10.30	--
D-4R	11/25/2013	21.27	--	--	--	8.38	12.89	--
D-4R	2/14/2014	21.27	--	--	--	7.71	13.56	--
D-4R	5/5/2014	21.27	--	--	--	7.11	14.16	--
D-4R	8/19/2014	21.27	--	--	--	9.56	11.71	--
D-4R	11/21/2014	21.27	--	--	--	7.90	13.37	--
D-4R	11/14/2016	21.27	--	--	--	6.69	14.58	--
D-4R	11/16/2016	--	--	--	--	--	--	--
D-4R	2/16/2017	21.27	--	--	--	5.23	16.04	--
D-4R	5/24/2017	21.27	--	--	--	7.10	14.17	--
D-4R	9/26/2017	21.27	--	--	--	10.23	11.04	--
D-4R	9/27/2017	--	--	--	--	--	--	--
D-4R	12/13/2017	21.27	--	--	--	6.36	14.91	--
D-4R	2/26/2018	21.27	--	--	--	6.99	14.28	--
D-4R	6/11/2018	21.27	--	--	--	8.73	12.54	--
D-4R	6/27/2018	21.27	--	--	--	9.78	11.49	--
D-4R	8/29/2018	21.27	--	--	--	10.84	10.43	--
D-4R	12/17/2018	21.27	--	--	--	6.90	14.37	--
D-5	1/27/1993	18.12	--	--	--	5.51	12.61	--
D-5	4/14/1993	18.12	--	--	--	5.58	12.54	--
D-5	12/15/1993	18.12	--	--	--	6.55	11.57	--
D-5	11/4/1994	18.12	--	--	--	6.56	11.56	--
D-5	2/22/1995	18.12	--	--	--	4.10	14.02	--
D-5	6/16/1995	18.12	--	--	--	6.77	11.35	--
D-5	10/20/1995	18.12	--	--	--	6.55	11.57	--
D-5	4/4/1996	18.12	--	--	--	4.51	13.61	--
D-5	4/16/1996	18.12	--	--	--	4.94	13.18	--
D-5	5/1/1997	18.12	--	--	--	6.50	11.62	--
D-5	4/30/1998	18.12	--	--	--	6.61	11.51	--
D-5	5/27/2003	18.12			Dry			--
D-5	6/15/2004	18.12			Dry			--
D-5	6/21/2005	18.12			Dry			--
D-5	6/5/2006	18.12	--	--	--	6.51	11.61	--
D-5	10/23/2006	18.12			Dry			--
D-5	3/14/2007	21.33			Dry			--
D-5	9/10/2007	21.33			Dry			--
D-5	11/28/2007	21.33	--	--	--	6.74	14.59	14.59
D-5	12/13/2007	21.33	--	--	--	2.30	19.03	19.03
D-5	1/21/2008	21.33			Not Monitored			--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
D-5	2/24/2008	21.33	--	--	--	6.23	15.10	15.10
D-5	3/24/2008	21.33			Dry			--
D-5	6/2/2008	21.33			Dry			--
D-5	8/25/2008	21.33	--	--	--	6.91	14.42	14.42
D-5	2/18/2009	21.33			Not Monitored			NM
D-5	8/25/2009	21.33			Not Monitored			NM
D-5	3/22/2010	21.33			Dry			--
D-5	8/23/2010	21.33	--	--	--	6.82	14.51	14.51
D-5	2/7/2011	21.33	--	--	--	6.90	14.43	--
D-5	5/27/2011	21.33			Not Monitored			
D-5	8/8/2011	21.33			Dry			
D-5	10/6/2011			Decomissioned Well and Replaced With D-5R				
D-5R	11/14/2011	21.45	--	--	--	9.39	12.06	--
D-5R	2/20/2012	21.45	--	--	--	8.33	13.12	--
D-5R	8/22/2012	21.45	--	--	--	10.44	11.01	--
D-5R	11/5/2012	21.45	--	--	--	8.79	12.66	--
D-5R	1/28/2013	21.45	--	--	--	8.83	12.62	--
D-5R	5/9/2013	21.45	--	--	--	9.16	12.29	--
D-5R	8/19/2013	21.45	--	--	--	11.11	10.34	--
D-5R	11/25/2013	21.45	--	--	--	8.80	12.65	--
D-5R	2/14/2014	21.45	--	--	--	8.21	13.24	--
D-5R	5/5/2014	21.45	--	--	--	7.65	13.80	--
D-5R	8/19/2014	21.45	--	--	--	9.72	11.73	--
D-5R	11/21/2014	21.45	--	--	--	8.32	13.13	--
D-5R	11/14/2016	21.45	--	--	--	8.15	13.30	--
D-5R	11/17/2016	21.45	--	--	--	--	--	--
D-5R	11/17/2016	21.45	--	--	--	--	--	--
D-5R	2/16/2017	21.45	--	--	--	7.30	14.15	--
D-5R	5/24/2017	21.45	--	--	--	8.34	13.11	--
D-5R	9/26/2017	21.45	--	--	--	10.24	11.21	--
D-5R	9/27/2017	21.45	--	--	--	--	--	--
D-5R	12/13/2017	21.45	--	--	--	8.10	13.35	--
D-5R	2/26/2018	21.45	--	--	--	8.21	13.24	--
D-5R	6/11/2018	21.45	--	--	--	9.32	12.13	--
D-5R	6/27/2018	21.45	--	--	--	9.91	11.54	--
D-5R	8/29/2018	21.45	--	--	--	10.98	10.47	--
D-5R	12/17/2018	21.45	--	--	--	8.12	13.33	--
D-6	1/27/1993	17.74	--	--	1.00	5.54	12.95	--
D-6	3/12/1993	17.74	--	--	--	6.79	10.95	--
D-6	4/14/1993	17.74	--	--	--	5.68	12.06	--
D-6	6/30/1993	17.74	--	--	--	6.58	11.16	--
D-6	12/15/1993	17.74	--	--	--	7.14	10.60	--
D-6	2/8/1994	17.74	--	--	--	5.27	12.47	--
D-6	7/8/1994	17.74	--	--	--	7.43	10.31	--
D-6	12/23/1994	17.74	--	--	--	5.14	12.60	--
D-6	2/3/1995	17.74	--	--	--	4.34	13.40	--
D-6	2/22/1995	17.74	--	--	--	4.79	12.95	--
D-6	3/24/1995	17.74	--	--	--	4.55	13.19	--
D-6	4/27/1995	17.74	--	--	--	6.64	11.10	--
D-6	5/15/1995	17.74	--	--	--	5.19	12.55	--
D-6	6/16/1995	17.74	--	--	--	5.67	12.07	--
D-6	8/25/1995	17.74	--	--	--	6.42	11.32	--
D-6	10/20/1995	17.74	--	--	--	4.81	12.93	--
D-6	4/4/1996	17.74	--	--	--	1.58	16.16	--
D-6	4/16/1996	17.74	--	--	--	1.21	16.53	--
D-6	5/10/1996	17.74	--	--	--	3.50	14.24	--
D-6	5/15/1996	17.74	--	--	--	3.28	14.46	--
D-6	5/22/1996	17.74	--	--	--	5.59	12.15	--
D-6	6/5/1996	17.74	--	--	--	6.09	11.65	--
D-6	6/24/1996	17.74	--	--	--	6.55	11.19	--
D-6	7/15/1996	17.74	--	--	--	7.10	10.64	--
D-6	8/23/1996	17.74	--	--	--	7.73	10.01	--
D-6	9/18/1996	17.74	--	--	--	7.09	10.65	--
D-6	1/3/1997	17.74	--	--	--	2.77	14.97	--
D-6	3/12/1997	17.74	--	--	--	1.61	16.13	--
D-6	4/2/1997	17.74	--	--	--	5.97	11.77	--
D-6	5/1/1997	17.74	--	--	--	5.89	11.85	--
D-6	8/19/1997	17.74	--	--	--	7.28	10.46	--
D-6	9/17/1997	17.74	--	--	--	7.38	10.36	--
D-6	4/30/1998	17.74	--	--	--	5.49	12.25	--
D-6	5/23/2000	17.74	--	--	--	5.82	11.92	--
D-6	5/23/2001	17.74	--	--	--	6.92	10.82	--
D-6	6/5/2002	17.74	--	--	--	4.67	13.07	--
D-6	5/27/2003	17.74	--	--	--	6.72	11.02	--
D-6	6/15/2004	17.74	--	--	--	8.52	9.22	--
D-6	6/22/2005	17.74	--	--	--	4.67	13.07	--
D-6	6/5/2006	17.74	--	--	--	2.62	15.12	--
D-6	10/23/2006	17.74	--	--	--	6.95	10.79	--
D-6	3/14/2007	20.61	--	--	--	4.62	15.99	--
D-6	9/10/2007	20.61	--	--	--	7.92	12.69	--
D-6	11/28/2007	20.61	--	--	--	7.80	12.81	12.81
D-6	12/13/2007	20.61	--	--	--	6.26	14.35	14.35
D-6	1/21/2008	20.61	--	--	--	6.03	14.58	14.58
D-6	2/24/2008	20.61	--	--	--	5.93	14.68	14.68
D-6	3/24/2008	20.61	--	--	--	5.76	14.85	14.85
D-6	6/2/2008	20.61	--	--	--	6.75	13.86	--
D-6	8/25/2008	20.61	--	--	--	7.51	13.10	13.10
D-6	2/18/2009	20.61			Not Monitored			NM
D-6	8/25/2009	20.61			Not Monitored			NM
D-6	3/22/2010	20.61	--	--	--	3.85	16.76	16.76
D-6	8/23/2010	20.61	--	--	--	5.99	14.62	14.62
D-6	2/7/2011	20.61	--	--	--	3.50	17.11	--
D-6	5/27/2011	20.61	--	--	--	5.40	15.21	--
D-6	8/8/2011	20.61	--	--	--	7.05	13.56	--
D-6	11/14/2011	20.61	--	--	--	5.95	14.66	--
D-6	2/20/2012	20.61	--	--	--	5.60	15.01	--
D-6	8/22/2012	20.61	--	--	--	6.52	14.09	--
D-6	11/5/2012	20.61	--	--	--	7.26	13.35	--
D-6	5/9/2013	20.61	--	--	--	5.48	15.13	--
D-6	8/19/2013	20.61	--	--	--	7.64	12.97	--
D-6	11/25/2013	20.61	--	--	--	6.26	14.35	--
D-6	2/14/2014	20.61	--	--	--	6.22	14.39	--
D-6	5/5/2014	20.61	--	--	--	4.36	16.25	--
D-6	8/19/2014	20.61	--	--	--	7.69	12.92	--
D-6	11/21/2014	20.61	--	--	--	6.79	13.82	--
D-7	1/27/1993	17.69	--	--	--	5.07	12.62	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
D-7	3/12/1993	17.69	--	--	--	6.38	11.31	--
D-7	4/14/1993	17.69	--	--	--	6.38	11.31	--
D-7	12/15/1993	17.69	--	--	--	7.37	10.32	--
D-7	7/8/1994	17.69	--	--	--	7.14	10.55	--
D-7	8/12/1994	17.69	--	--	--	7.14	10.55	--
D-7	11/4/1994	17.69	--	--	--	7.94	9.75	--
D-7	12/23/1994	17.69	--	--	--	7.14	10.55	--
D-7	2/3/1995	17.69	--	--	--	4.59	13.10	--
D-7	2/22/1995	17.69	--	--	--	5.31	12.38	--
D-7	3/24/1995	17.69	--	--	--	5.35	12.34	--
D-7	4/27/1995	17.69	--	--	--	5.18	12.51	--
D-7	5/15/1995	17.69	--	--	--	5.50	12.19	--
D-7	6/16/1995	17.69	--	--	--	5.95	11.74	--
D-7	8/25/1995	17.69	--	--	--	6.59	11.10	--
D-7	10/20/1995	17.69	--	--	--	6.00	11.69	--
D-7	3/24/1996	17.69	--	--	--	5.35	12.34	--
D-7	4/4/1996	17.69	--	--	--	4.30	13.39	--
D-7	4/16/1996	17.69	--	--	--	4.01	13.68	--
D-7	4/2/1997	17.69	--	--	--	6.04	11.65	--
D-7	5/1/1997	17.69	--	--	--	6.30	11.39	--
D-7	4/30/1998	17.69	--	--	--	5.85	11.84	--
D-7	5/23/2000	17.69	--	--	--	6.11	11.58	--
D-7	5/23/2001	17.69	--	--	--	6.85	10.84	--
D-7	6/4/2002	17.69	--	--	--	5.51	12.18	--
D-7	5/27/2003	17.69	--	--	--	6.36	11.33	--
D-7	6/15/2004	17.69	--	--	--	7.24	10.45	--
D-7	6/22/2005	17.69	--	--	--	5.11	12.58	--
D-7	6/5/2006	17.69	--	--	--	4.74	12.95	--
D-7	10/23/2006	17.69	--	--	--	7.04	10.65	--
D-7	3/14/2007	20.49	--	--	--	3.83	16.66	--
D-7	9/10/2007	20.49	--	--	--	7.67	12.82	--
D-7	11/28/2007	20.49	--	--	--	6.92	13.57	13.57
D-7	12/13/2007	20.49	--	--	--	2.36	18.13	18.13
D-7	1/21/2008	20.49	--	--	--	9.97	10.52	10.52
D-7	2/24/2008	20.49	--	--	--	6.03	14.46	14.46
D-7	3/24/2008	20.49			Not Monitored			--
D-7	6/2/2008	20.49	--	--	--	6.25	14.24	--
D-7	8/25/2008	20.49	--	--	--	7.42	13.07	13.07
D-7	2/18/2009	20.49			Not Monitored			NM
D-7	8/25/2009	20.49			Not Monitored			NM
D-7	3/22/2010	20.49	--	--	--	4.41	16.08	16.08
D-7	8/23/2010	20.49	--	--	--	5.96	14.53	14.53
D-7	2/7/2011	20.49	--	--	--	5.36	15.13	--
D-7	5/27/2011	20.49	--	--	--	5.92	14.57	--
D-7	8/8/2011	20.49	--	--	--	6.85	13.64	--
D-7	11/14/2011	20.49	--	--	--	4.81	15.68	--
D-7	2/20/2012	20.49	--	--	--	5.04	15.45	--
D-7	8/22/2012	20.49	--	--	--	6.73	13.76	--
D-7	11/5/2012	20.49	--	--	--	7.06	13.43	--
D-7	1/28/2013	20.49	--	--	--	3.53	16.96	--
D-7	5/9/2013	20.49	--	--	--	5.85	14.64	--
D-7	8/19/2013	20.49	--	--	--	7.41	13.08	--
D-7	11/25/2013	20.49	--	--	--	6.18	14.31	--
D-7	2/14/2014	20.49	--	--	--	5.29	15.20	--
D-7	5/5/2014	20.49	--	--	--	4.56	15.93	--
D-7	8/19/2014	20.49	--	--	--	7.42	13.07	--
D-7	11/21/2014	20.49	--	--	--	5.30	15.19	--
DPE-1	11/15/2016	--	--	--	--	8.90	--	--
DPE-1	2/16/2017	--	--	--	--	7.73	--	--
DPE-1	5/24/2017	15.46	--	--	--	8.97	6.49	--
DPE-1	7/11/2017	--	--	--	--	11.01	--	--
DPE-1	9/26/2017	25.66	12.4	13.26	0.02	12.42	13.26	--
DPE-1	12/11/2017	25.66	--	--	--	6.88	18.78	--
DPE-1	2/26/2018	25.66	--	--	--	8.86	16.80	--
DPE-1	6/11/2018	25.66	--	--	--	10.67	14.99	--
DPE-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	--	--
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	--	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-5	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-6	7/29/2024	--	--	--	--	12.17	--	
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-7	7/29/2024	--	14.08	--	0.05	14.13	--	
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-8	7/29/2024	--	11.16	--	0.77	11.93	--	
DPE-9	7/11/2017	--	--	--	--	18.39	--	--
DPE-9	6/11/2018	--	--	--	--	16.02	--	--
DPE-9	9/23/2019	--	--	--	--	12.91	--	--
DPE-9	7/29/2024	--	--	--	--	11.85	--	
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-10	8/14/2023	--	--	--	--	12.09	--	
DPE-10	1/29/2024	--	--	--	--	9.14	--	
DPE-10	7/29/2024	--	--	--	--	11.66	--	
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-11	8/14/2023	25.08	13.45	11.63	0.10	13.55	11.61	
DPE-11	1/29/2024	25.08	9.25	15.83	0.17	9.42	15.80	
DPE-11	7/29/2024	25.08	12.74	12.34	0.10	12.84	12.32	
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-12	7/29/2024	24.72	--	--	--	10.75	13.97	
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-13	8/14/2023	24.92	--	--	--	11.93	12.99	
DPE-13	1/29/2024	24.92	--	--	--	7.20	17.72	
DPE-13	7/29/2024	24.92	--	--	--	11.54	13.38	
DPE-14	11/15/2016	--	--	--	--	2.50	--	--
DPE-14	2/16/2017	--	--	--	--	2.56	--	--
DPE-14	5/24/2017	5.12	--	--	--	4.97	0.15	--
DPE-14	7/11/2017	--	--	--	--	7.60	--	--
DPE-14	9/26/2017	20.67	9.45	11.22	0.03	9.48	11.21	--
DPE-14	12/11/2017	20.67	--	--	--	4.77	15.90	--
DPE-14	2/26/2018	20.67	--	--	--	4.45	16.22	--
DPE-14	6/11/2018	20.67	--	--	--	7.06	13.61	--
DPE-14	12/17/2018	20.67	--	--	--	2.31	18.36	--
DPE-14	9/23/2019	20.67	--	--	--	8.93	11.74	--
DPE-15	11/15/2016	--	--	--	--	6.81	--	--
DPE-15	2/16/2017	--	7.04	--	0.04	7.08	--	--
DPE-15	5/24/2017	14.16	7.9	6.26	0.21	8.11	6.22	--
DPE-15	9/26/2017	20.62	9.92	10.7	0.24	10.16	10.65	--
DPE-15	12/11/2017	20.62	7.55	13.07	0.02	7.57	13.07	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-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	--	
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	--	

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-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-26	8/14/2023	--	--	--	--	9.40	--	
DPE-26	12/1/2023	--	--	--	--	7.03	--	
DPE-26	1/29/2024	--	6.75	--	0.01	6.76	--	
DPE-26	5/6/2024	--	6.29	--	0.65	6.94	--	
DPE-26	7/29/2024	--	9.11	--	0.46	9.57	--	
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-27	8/14/2023	--	--	--	--	9.25	--	
DPE-27	12/1/2023	--	--	--	--	7.43	--	
DPE-27	1/29/2024	--	--	--	--	5.85	--	
DPE-27	5/6/2024	--	--	--	--	8.66	--	
DPE-27	7/29/2024	--	--	--	--	8.94	--	
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-28	8/14/2023	--	--	--	--	8.79	--	
DPE-28	12/1/2023	--	--	--	--	6.09	--	
DPE-28	1/29/2024	--	--	--	--	4.66	--	
DPE-28	5/6/2024	--	--	--	--	7.38	--	
DPE-28	7/29/2024	--	--	--	--	8.54	--	
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-29	8/14/2023	20.93	--	--	--	8.72	12.21	
DPE-29	1/29/2024	20.93	--	--	--	4.94	15.99	
DPE-29	7/29/2024	20.93	--	--	--	8.53	12.40	
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-30	8/14/2023	22.67	--	--	--	10.68	11.99	
DPE-30	12/1/2023	22.67	--	--	--	8.61	14.06	
DPE-30	1/29/2024	22.67	--	--	--	7.52	15.15	
DPE-30	5/6/2024	22.67	--	--	--	10.34	12.33	
DPE-30	7/29/2024	22.67	--	--	--	10.44	12.23	
DPE-31	7/8/2016	--	9.99	--	0.11	10.10	--	--
DPE-31	7/11/2017	--	9.08	--	0.26	9.34	--	--
DPE-31	12/11/2017	--	--	--	--	5.82	--	--
DPE-31	6/11/2018	--	9.80	--	0.01	9.81	--	--
DPE-31	3/11/2019	--	--	--	--	8.20	--	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-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	--	
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-32	12/1/2023	--	7.69	--	0.29	7.98	--	
DPE-32	5/6/2024	--	--	--	--	14.92	--	
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-33	8/14/2023	21.05	--	--	--	10.04	11.01	
DPE-33	1/29/2024	21.05	--	--	--	3.79	17.26	
DPE-33	7/29/2024	21.05	--	--	--	9.78	11.27	
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-34	8/14/2023	20.62	--	--	--	7.79	12.83	
DPE-34	12/1/2023	20.62	--	--	--	9.22	11.40	
DPE-34	2/12/2024	20.62	--	--	--	Unable to access	--	
DPE-34	5/6/2024	20.62	--	--	--	7.09	13.53	
DPE-34	7/29/2024	20.62	--	--	--	9.10	11.52	
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	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-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-37	8/14/2023	20.80	9.15	11.65	0.10	9.25	11.63	
DPE-37	12/1/2023	20.80	--	--	--	6.73	14.07	
DPE-37	1/29/2024	20.80	--	--	--	5.54	15.26	
DPE-37	5/6/2024	20.80	--	--	--	8.01	12.79	
DPE-37	7/29/2024	20.80	--	--	--	7.50	13.30	
DPE-38	11/15/2016	--	4.65	--	1.7	6.35	--	--
DPE-38	2/16/2017	--	3.43	--	4.17	7.60	--	--
DPE-38	5/16/2017	--	3.69	--	5.66	9.35	--	--
DPE-38	5/24/2017	15.20	4.79	10.41	0.01	4.80	10.41	--
DPE-38	7/11/2017	--	--	--	--	5.32	--	--
DPE-38	9/26/2017	20.28	--	--	--	7.09	13.19	--
DPE-38	12/11/2017	20.28	--	--	--	2.87	17.41	--
DPE-38	2/26/2018	20.28	--	--	--	5.41	14.87	--
DPE-38	6/11/2018	20.28	--	--	--	6.57	13.71	--
DPE-38	12/17/2018	20.28	--	--	--	4.73	15.55	--
DPE-38	12/4/2019	20.28	--	--	--	5.62	14.66	--
DPE-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-38	8/14/2023	20.28	--	--	--	6.72	13.56	
DPE-38	12/1/2023	20.28	--	--	--	4.50	15.78	
DPE-38	1/29/2024	20.28	--	--	--	2.62	17.66	
DPE-38	5/6/2024	20.28	--	--	--	--	--	
DPE-38	7/29/2024	20.28	--	--	--	6.25	14.03	
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-42	8/14/2023	20.94	--	--	--	9.16	11.78	

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-42	12/1/2023	20.94	--	--	--	--	--	
DPE-42	1/29/2024	20.94	--	--	--	6.39	14.55	
DPE-42	5/6/2024	20.94	--	--	--	6.72	14.22	
DPE-42	8/8/2024	20.94	--	--	--	--	--	
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	
DPE-43	8/14/2023	21.15	--	--	--	8.64	12.51	
DPE-43	12/1/2023	21.15	--	--	--	5.99	15.16	
DPE-43	1/29/2024	21.15	--	--	--	4.24	16.91	
DPE-43	5/6/2024	21.15	--	--	--	6.59	14.56	
DPE-43	7/29/2024	21.15	--	--	--	8.08	13.07	
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-45	8/14/2023	21.10	--	--	--	8.61	12.49	
DPE-45	12/1/2023	21.10	--	--	--	5.63	15.47	
DPE-45	1/29/2024	21.10	--	--	--	5.46	15.64	
DPE-45	5/6/2024	21.10	--	--	--	6.43	14.67	
DPE-45	7/29/2024	21.10	--	--	--	7.67	13.43	
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-47	8/14/2023	21.06	--	--	--	7.61	13.45	
DPE-47	12/1/2023	21.06	--	--	--	4.98	16.08	
DPE-47	1/29/2024	21.06	--	--	--	3.22	17.84	
DPE-47	5/6/2024	21.06	--	--	--	5.58	15.48	
DPE-47	7/29/2024	21.06	--	--	--	7.00	14.06	
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	--	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-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	--	--
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-54	8/14/2023	--	10.45	--	0.25	10.70	--	
DPE-54	12/1/2023	--	8.45	--	0.08	8.53	--	
DPE-54	1/29/2024	--	--	--	--	7.82	--	
DPE-54	5/6/2024	--	--	--	--	18.44	--	
DPE-54	7/29/2024	--	10.10	--	0.22	10.32	--	
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-55	8/14/2023	21.62	--	--	--	10.04	11.58	
DPE-55	12/1/2023	21.62	--	--	--	6.34	15.28	

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DPE-55	1/29/2024	21.62	--	--	--	4.66	16.96	
DPE-55	5/6/2024	21.62	--	--	--	9.12	12.50	
DPE-55	7/29/2024	21.62	--	--	--	9.66	11.96	
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-56	8/14/2023	--	--	--	--	10.76	--	
DPE-56	12/1/2023	--	8.55	--	0.02	8.57	--	
DPE-56	1/29/2024	--	--	--	--	7.79	--	
DPE-56	5/6/2024	--	--	--	--	7.76	--	
DPE-56	7/29/2024	--	--	--	--	10.28	--	
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	
DPE-57	8/14/2023	21.46	--	--	--	9.91	11.55	
DPE-57	12/1/2023	21.46	--	--	--	7.56	13.90	
DPE-57	1/29/2024	21.46	--	--	--	3.81	17.65	
DPE-57	5/6/2024	21.46	--	--	--	9.01	12.45	
DPE-57	7/29/2024	21.46	--	--	--	9.56	11.90	
HA-1	1/27/1993	19.50	--	--	--	5.94	13.56	--
HA-1	3/12/1993	19.50	--	--	--	8.54	10.96	--
HA-1	4/14/1993	19.50	--	--	--	6.47	13.03	--
HA-1	12/15/1993	19.50	--	--	--	5.54	13.96	--
HA-1	11/4/1994	19.50	--	--	--	10.30	9.20	--
HA-1	2/22/1995	19.50	--	--	--	5.11	14.39	--
HA-1	6/16/1995	19.50	--	--	--	8.33	11.17	--
HA-1	10/20/1995	19.50	--	--	--	5.48	14.02	--
HA-1	4/4/1996	19.50	--	--	--	5.81	13.69	--
HA-1	4/16/1996	19.50	--	--	--	5.78	13.72	--
HA-1	5/1/1997	19.50	--	--	--	5.59	13.91	--
HA-1	9/17/1997	19.50	--	--	--	5.50	14.00	--
HA-1	4/29/1998	19.50	--	--	--	5.83	13.67	--
HA-1	5/24/2000	19.50	--	--	--	6.20	13.30	--
HA-1	5/23/2001	19.50	--	--	--	6.30	13.20	--
HA-1	6/4/2002	19.50	--	--	--	6.40	13.10	--
HA-1	5/28/2003	19.50	--	--	--	6.45	13.05	--
HA-1	6/15/2004	19.50	--	--	--	5.80	13.70	--
HA-1	6/22/2005	19.50	--	--	--	5.77	13.73	--
HA-1	6/5/2006	19.50	--	--	--	5.00	14.50	--
HA-1	10/23/2006	19.50	--	--	--	5.97	13.53	--
HA-1	3/14/2007	20.76	--	--	--	3.42	17.34	--
HA-1	9/10/2007	20.76	--	--	--	4.46	16.30	--
HA-1	11/28/2007	20.76	--	--	--	7.32	13.44	13.44
HA-1	12/13/2007	20.76	--	--	--	3.83	16.93	16.93
HA-1	1/21/2008	20.76	--	--	--	3.87	16.89	16.89
HA-1	2/24/2008	20.76	--	--	--	4.46	16.30	16.30
HA-1	3/24/2008	20.76	--	--	--	3.06	17.70	17.70
HA-1	6/2/2008	20.76	--	--	--	4.83	15.93	--
HA-1	8/25/2008	20.76	--	--	--	3.33	17.43	17.43
HA-1	2/18/2009	20.76			Not Monitored			NM
HA-1	8/25/2009	20.76			Not Monitored			NM
HA-1	3/22/2010	20.76	--	--	--	3.94	16.82	16.82
HA-1	8/23/2010	20.76	--	--	--	6.68	14.08	14.08
HA-1	2/7/2011	20.76	--	--	--	3.88	16.88	--
HA-1	5/27/2011	20.76	--	--	--	3.76	17.00	--
HA-1	8/8/2011	20.76	--	--	--	6.10	14.66	--
HA-1	11/14/2011	20.76	--	--	--	4.01	16.75	--
HA-1	2/20/2012	20.76	--	--	--	3.01	17.75	--
HA-1	8/22/2012	20.76	--	--	--	7.42	13.34	--
HA-1	11/5/2012	20.76	--	--	--	2.98	17.78	--
HA-1	1/28/2013	20.76	--	--	--	3.17	17.59	--
HA-1	5/9/2013	20.76	--	--	--	4.37	16.39	--
HA-1	8/19/2013	20.76	--	--	--	7.83	12.93	--
HA-1	11/25/2013	20.76	--	--	--	3.61	17.15	--
HA-1	2/14/2014	20.76	--	--	--	2.12	18.64	--
HA-1	5/5/2014	20.76	--	--	--	3.24	17.52	--
HA-1	8/19/2014				Decomissioned Well			
HA-2	1/27/1993	18.17	--	--	--	5.80	12.37	--
HA-2	4/14/1993	18.17	--	--	--	7.12	11.05	--
HA-2	12/15/1993	18.17	--	--	--	7.84	10.33	--
HA-2	11/4/1994	18.17	--	--	--	8.45	9.72	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-2	2/22/1995	18.17	--	--	--	6.39	11.78	--
HA-2	6/16/1995	18.17	--	--	--	7.03	11.14	--
HA-2	10/20/1995	18.17	--	--	--	7.29	10.88	--
HA-2	4/4/1996	18.17	--	--	--	5.43	12.74	--
HA-2	4/16/1996	18.17	--	--	--	5.17	13.00	--
HA-2	4/2/1997	18.17	--	--	--	6.80	11.37	--
HA-2	5/1/1997	18.17	--	--	--	6.98	11.19	--
HA-2	9/18/1997	18.17	--	--	--	7.34	10.83	--
HA-2	4/30/1998	18.17	--	--	--	6.74	11.43	--
HA-2	7/30/1999	18.17	--	--	--	7.03	11.14	--
HA-2	5/23/2000	18.17	--	--	--	6.94	11.23	--
HA-2	5/23/2001	18.17	--	--	--	7.50	10.67	--
HA-2	6/4/2002	18.17	--	--	--	6.45	11.72	--
HA-2	5/27/2003	18.17	--	--	sheen	7.40	10.77	--
HA-2	6/16/2004	18.17	--	--	--	7.84	10.33	--
HA-2	6/21/2005	18.17	--	--	--	6.41	11.76	--
HA-2	6/5/2006	18.17	--	--	--	6.22	11.95	--
HA-2	10/23/2006	18.17	--	--	--	7.84	10.33	--
HA-2	3/14/2007	21.09	--	--	--	5.69	15.40	--
HA-2	9/10/2007	21.09	--	--	--	7.89	13.20	--
HA-2	11/28/2007	21.09	--	--	--	7.53	13.56	13.56
HA-2	12/13/2007	21.09	6.95	14.14	0.36	7.31	14.05	14.32
HA-2	1/21/2008	21.09	--	--	--	6.35	14.74	14.74
HA-2	2/24/2008	21.09	--	--	--	6.31	14.78	14.78
HA-2	3/24/2008	21.09	--	--	--	6.65	14.44	14.44
HA-2	6/2/2008	21.09	--	--	--	7.12	13.97	--
HA-2	8/25/2008	21.09	--	--	--	7.77	13.32	13.32
HA-2	2/18/2009	21.09			Not Monitored			NM
HA-2	8/25/2009	21.09			Not Monitored			NM
HA-2	3/22/2010	21.09	--	--	--	5.93	15.16	15.16
HA-2	8/23/2010	21.09	--	--	--	6.61	14.48	14.48
HA-2	2/7/2011	21.09	--	--	--	6.20	14.89	--
HA-2	5/27/2011	21.09	--	--	--	6.35	14.74	--
HA-2	8/8/2011	21.09	--	--	--	7.22	13.87	--
HA-2	11/14/2011	21.09	--	--	--	7.70	13.39	--
HA-2	2/20/2012	21.09	--	--	--	6.10	14.99	--
HA-2	8/22/2012	21.09	--	--	--	7.29	13.80	--
HA-2	11/5/2012	21.09	--	--	--	7.37	13.72	--
HA-2	1/28/2013	21.09	--	--	--	5.42	15.67	--
HA-2	5/9/2013	21.09	--	--	--	6.54	14.55	--
HA-2	8/19/2013	21.09	--	--	--	7.66	13.43	--
HA-2	11/25/2013	21.09	--	--	--	4.56	16.53	--
HA-2	2/14/2014	21.09	--	--	--	6.25	14.84	--
HA-2	5/5/2014	21.09	--	--	--	5.04	16.05	--
HA-2	8/19/2014				Decomissioned Well			
HA-3	1/27/1993	21.03	--	--	--	8.65	12.38	--
HA-3	3/12/1993	21.03	--	--	--	9.01	12.02	--
HA-3	4/14/1993	21.03	--	--	--	8.61	12.42	--
HA-3	12/15/1993	21.03	--	--	--	9.22	11.81	--
HA-3	11/4/1994	21.03	--	--	--	10.26	10.77	--
HA-3	2/22/1995	21.03	--	--	--	8.35	12.68	--
HA-3	6/16/1995	21.03	--	--	--	9.31	11.72	--
HA-3	10/20/1995	21.03	--	--	--	9.46	11.57	--
HA-3	4/4/1996	21.03	--	--	--	7.95	13.08	--
HA-3	4/16/1996	21.03	--	--	--	8.10	12.93	--
HA-3	4/2/1997	21.03	--	--	--	6.70	14.33	--
HA-3	5/1/1997	21.03	--	--	--	8.44	12.59	--
HA-3	9/18/1997	21.03	--	--	--	9.34	11.69	--
HA-3	4/30/1998	21.03	--	--	--	9.20	11.83	--
HA-3	5/23/2000	21.03	--	--	--	9.25	11.78	--
HA-3	5/23/2001	21.03	--	--	--	9.18	11.85	--
HA-3	6/4/2002	21.03	--	--	--	9.07	11.96	--
HA-3	5/27/2003	21.03	--	--	--	9.30	11.73	--
HA-3	6/22/2005	21.03	--	--	--	8.94	12.09	--
HA-3	6/5/2006	21.03	--	--	--	8.91	12.12	--
HA-3	10/23/2006	21.03	--	--	--	9.66	11.37	--
HA-3	3/14/2007	21.09	--	--	--	5.42	15.67	--
HA-3	9/10/2007	21.09	--	--	--	6.70	14.39	--
HA-3	11/28/2007	21.09	--	--	--	6.91	14.18	14.18
HA-3	12/13/2007	21.09	5.90	15.19	0.90	6.80	14.97	15.64
HA-3	1/21/2008	21.09	--	--	--	5.96	15.13	15.13
HA-3	2/24/2008	21.09	--	--	--	5.77	15.32	15.32
HA-3	3/24/2008	21.09	--	--	--	6.07	15.02	15.02
HA-3	6/2/2008	21.09	--	--	--	6.36	14.73	--
HA-3	8/25/2008	21.09	--	--	--	6.30	14.79	14.79
HA-3	2/18/2009	21.09			Not Monitored			NM
HA-3	8/25/2009	21.09			Not Monitored			NM
HA-3	3/22/2010	21.09	--	--	--	5.44	15.65	16.65
HA-3	8/23/2010	21.09	--	--	--	6.34	14.75	14.75
HA-3	2/7/2011	21.09	--	--	--	5.31	15.78	--
HA-3	5/27/2011	21.09	--	--	--	5.67	15.42	--
HA-3	8/8/2011	21.09	--	--	--	6.45	14.64	--
HA-3	11/14/2011	21.09	--	--	--	6.33	14.76	--
HA-3	2/20/2012	21.09	--	--	--	5.20	15.89	--
HA-3	8/22/2012	21.09	--	--	--	6.56	14.53	--
HA-3	11/5/2012	21.09	--	--	--	5.41	15.68	--
HA-3	1/28/2013	21.09	--	--	--	5.47	15.62	--
HA-3	5/9/2013	21.09	--	--	--	5.97	15.12	--
HA-3	8/19/2013	21.09	--	--	--	6.60	14.49	--
HA-3	11/25/2013	21.09	--	--	--	4.07	17.02	--
HA-3	2/14/2014	21.09	--	--	--	4.68	16.41	--
HA-3	5/5/2014	21.09	--	--	--	4.66	16.43	--
HA-3	8/19/2014				Decomissioned Well			
HA-4	1/27/1993	20.24	--	--	--	7.68	12.56	--
HA-4	3/12/1993	20.24	--	--	--	8.56	11.68	--
HA-4	4/14/1993	20.24	--	--	--	8.02	12.22	--
HA-4	12/15/1993	20.24	--	--	--	8.41	11.83	--
HA-4	11/4/1994	20.24	--	--	--	10.14	10.10	--
HA-4	2/22/1995	20.24	--	--	--	7.09	13.15	--
HA-4	6/16/1995	20.24	--	--	--	8.78	11.46	--
HA-4	10/20/1995	20.24	--	--	--	8.54	11.70	--
HA-4	4/4/1996	20.24	--	--	--	7.68	12.56	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-4	4/16/1996	20.24	--	--	--	7.11	13.13	--
HA-4	4/2/1997	20.24	--	--	--	8.00	12.24	--
HA-4	5/1/1997	20.24	--	--	--	5.49	14.75	--
HA-4	9/18/1997	20.24	--	--	--	7.70	12.54	--
HA-4	4/30/1998	20.24	--	--	--	8.67	11.57	--
HA-4	5/23/2000	20.24	--	--	--	7.35	12.89	--
HA-4	5/23/2001	20.24	--	--	--	8.95	11.29	--
HA-4	6/4/2002	20.24	--	--	--	6.45	13.79	--
HA-4	5/27/2003	20.24	--	--	--	8.64	11.60	--
HA-4	6/16/2004	20.24	--	--	--	8.67	11.57	--
HA-4	6/22/2005	20.24	--	--	--	8.58	11.66	--
HA-4	6/5/2006	20.24	--	--	--	8.04	12.20	--
HA-4	10/23/2006	20.24	--	--	--	9.00	11.24	--
HA-4	3/14/2007	21.05	--	--	--	5.06	15.99	--
HA-4	9/10/2007	21.05	--	--	--	6.77	14.28	--
HA-4	11/28/2007	21.05	--	--	--	5.42	15.63	15.63
HA-4	12/13/2007	21.05	--	--	--	6.20	14.85	14.85
HA-4	1/21/2008	21.05	--	--	--	5.08	15.97	15.97
HA-4	2/24/2008	21.05	--	--	--	5.78	15.27	15.27
HA-4	3/24/2008	21.05	--	--	--	5.15	15.90	15.90
HA-4	6/2/2008	21.05	--	--	--	6.37	14.68	--
HA-4	8/25/2008	21.05	--	--	--	4.15	16.90	16.90
HA-4	2/18/2009	21.05			Not Monitored			NM
HA-4	8/25/2009	21.05			Not Monitored			NM
HA-4	3/22/2010	21.05	--	--	--	5.69	15.36	15.36
HA-4	8/23/2010	21.05	--	--	--	6.75	14.30	14.30
HA-4	2/7/2011	21.05	--	--	--	5.17	15.88	--
HA-4	5/27/2011	21.05	--	--	--	5.61	15.44	--
HA-4	8/8/2011	21.05	--	--	--	6.63	14.42	--
HA-4	11/14/2011	21.05	--	--	--	4.71	16.34	--
HA-4	2/20/2012	21.05	--	--	--	4.90	16.15	--
HA-4	8/22/2012	21.05	--	--	--	10.72	10.33	--
HA-4	11/5/2012	21.05	--	--	--	3.98	17.07	--
HA-4	1/28/2013	21.05	--	--	--	3.54	17.51	--
HA-4	5/9/2013	21.05	--	--	--	6.08	14.97	--
HA-4	8/19/2013	21.05	--	--	--	6.88	14.17	--
HA-4	11/25/2013	21.05	--	--	--	5.83	15.22	--
HA-4	2/14/2014	21.05	--	--	--	3.65	17.40	--
HA-4	5/5/2014	21.05	--	--	--	4.84	16.21	--
HA-4	8/19/2014				Decomissioned Well			
HA-5	1/27/1993	18.07	--	--	--	4.50	13.57	--
HA-5	3/12/1993	18.07	--	--	--	6.22	11.85	--
HA-5	4/14/1993	18.07	--	--	--	5.13	12.94	--
HA-5	12/15/1993	18.07	--	--	--	6.39	11.68	--
HA-5	11/4/1994	18.07	--	--	--	7.86	10.21	--
HA-5	2/22/1995	18.07	--	--	--	3.67	14.40	--
HA-5	6/16/1995	18.07	--	--	--	6.70	11.37	--
HA-5	10/20/1995	18.07	--	--	--	6.41	11.66	--
HA-5	4/4/1996	18.07	--	--	--	4.88	13.19	--
HA-5	4/16/1996	18.07	--	--	--	4.91	13.16	--
HA-5	5/1/1997	18.07	--	--	--	5.04	13.03	--
HA-5	9/18/1997	18.07	--	--	--	5.90	12.17	--
HA-5	5/1/1998	18.07	--	--	--	5.98	12.09	--
HA-5	7/29/1999	18.07	--	--	--	6.53	11.54	--
HA-5	5/23/2000	18.07	--	--	--	6.22	11.85	--
HA-5	5/22/2001	18.07	--	--	--	6.09	11.98	--
HA-5	6/5/2002	18.07	--	--	--	6.08	11.99	--
HA-5	11/24/2002	21.13	--	--	--	6.80	14.33	14.33
HA-5	1/17/2003	21.13	4.37	16.76	0.00	4.37	16.76	16.76
HA-5	1/20/2003	21.13	--	--	--	4.58	16.55	16.55
HA-5	1/31/2003	21.13	--	--	--	4.49	16.64	16.64
HA-5	2/7/2003	21.13	--	--	--	4.46	16.67	16.67
HA-5	2/12/2003	21.13	--	--	--	4.93	16.20	16.20
HA-5	2/18/2003	21.13	--	--	--	5.30	15.83	15.83
HA-5	2/21/2003	21.13	--	--	--	5.14	15.99	15.99
HA-5	2/24/2003	21.13	--	--	--	5.23	15.90	15.90
HA-5	3/4/2003	21.13	--	--	--	5.55	15.58	15.58
HA-5	3/12/2003	21.13	--	--	--	5.24	15.89	15.89
HA-5	3/14/2003	21.13	5.25	15.88	0.01	5.26	15.88	15.89
HA-5	3/26/2003	21.13	--	--	--	4.41	16.72	16.72
HA-5	3/28/2003	21.13	--	--	--	4.98	16.15	16.15
HA-5	4/2/2003	21.13	--	--	--	5.00	16.13	16.13
HA-5	4/4/2003	21.13	--	--	--	5.44	15.69	15.69
HA-5	4/8/2003	21.13	--	--	--	5.49	15.64	15.64
HA-5	4/11/2003	21.13	--	--	--	5.53	15.60	15.60
HA-5	4/15/2003	21.13	--	--	--	5.06	16.07	16.07
HA-5	4/17/2003	21.13	--	--	--	5.70	15.43	15.43
HA-5	4/22/2003	21.13	--	--	--	5.54	15.59	15.59
HA-5	4/25/2003	21.13	--	--	--	5.92	15.21	15.21
HA-5	5/2/2003	21.13	--	--	--	5.98	15.15	15.15
HA-5	5/6/2003	21.13	--	--	--	6.02	15.11	15.11
HA-5	5/9/2003	21.13	--	--	--	6.34	14.79	14.79
HA-5	5/23/2003	21.13	--	--	--	6.95	14.18	14.18
HA-5	5/28/2003	21.13	--	--	--	6.85	14.28	14.28
HA-5	6/13/2003	21.13	--	--	--	7.22	13.91	13.91
HA-5	6/18/2003	21.13	--	--	--	7.16	13.97	13.97
HA-5	6/27/2003	21.13	--	--	--	7.14	13.99	13.99
HA-5	7/7/2003	21.13	--	--	--	7.47	13.66	13.66
HA-5	7/16/2003	21.13	--	--	--	7.57	13.56	13.56
HA-5	7/31/2003	21.13	7.82	13.31	0.01	7.83	13.31	13.32
HA-5	8/5/2003	21.13	--	--	--	7.90	13.23	13.23
HA-5	8/11/2003	21.13	--	--	--	9.01	12.12	12.12
HA-5	8/22/2003	21.13	9.24	11.89	0.01	9.25	11.89	11.90
HA-5	8/26/2003	21.13	--	--	--	8.19	12.94	12.94
HA-5	9/2/2003	21.13	--	--	--	8.48	12.65	12.65
HA-5	9/9/2003	21.13	--	--	--	8.93	12.20	12.20
HA-5	9/19/2003	21.13	8.80	12.33	0.01	8.81	12.33	12.34
HA-5	10/14/2003	21.13			Not Monitored			--
HA-5	11/20/2003	21.13			Not Monitored			--
HA-5	12/3/2003	21.13	--	--	--	4.44	16.69	16.69
HA-5	1/19/2004	21.13	--	--	--	3.99	17.14	17.14
HA-5	2/24/2004	21.13	--	--	--	5.26	15.87	15.87
HA-5	3/15/2004	21.13	--	--	--	6.11	15.02	15.02

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-5	4/19/2004	21.13	--	--	--	6.62	14.51	14.51
HA-5	5/17/2004	21.13	--	--	--	7.15	13.98	13.98
HA-5	6/16/2004	21.13	--	--	--	7.01	14.12	--
HA-5	6/22/2004	21.13	--	--	--	6.98	14.15	14.15
HA-5	8/18/2004	21.13	8.10	13.03	0.01	8.11	13.03	13.04
HA-5	9/21/2004	21.13	--	--	--	6.97	14.16	14.16
HA-5	10/19/2004	21.13	--	--	--	6.28	14.85	14.85
HA-5	11/23/2004	21.13	--	--	--	6.52	14.61	14.61
HA-5	12/21/2004	21.13	--	--	--	4.56	16.57	16.57
HA-5	1/13/2005	21.13	--	--	--	5.84	15.29	15.29
HA-5	4/28/2005	21.13	--	--	--	4.88	16.25	16.25
HA-5	6/1/2005	21.13	--	--	--	5.17	15.96	15.96
HA-5	6/20/2005	21.13	--	--	--	5.82	15.31	--
HA-5	6/29/2005	21.13	--	--	--	6.59	14.54	14.54
HA-5	7/20/2005	21.13	--	--	--	7.00	14.13	14.13
HA-5	8/22/2005	21.13	--	--	--	7.20	13.93	13.93
HA-5	9/12/2005	21.13	--	--	--	7.82	13.31	13.31
HA-5	10/12/2005	21.13	--	--	--	8.35	12.78	12.78
HA-5	11/21/2005	21.13	6.02	15.11	0.01	6.03	15.11	15.12
HA-5	12/27/2005	21.13			Not Monitored			NM
HA-5	1/30/2006	21.13	--	--	--	6.10	15.03	15.03
HA-5	2/16/2006	21.13	--	--	--	3.97	17.16	17.16
HA-5	3/13/2006	21.13	--	--	--	4.94	16.19	16.19
HA-5	4/18/2006	21.13	--	--	--	5.28	15.85	15.85
HA-5	5/12/2006	21.13	--	--	--	5.70	15.43	15.43
HA-5	6/5/2006	21.13	--	--	--	5.42	15.71	--
HA-5	6/9/2006	21.13	--	--	--	5.31	15.82	15.82
HA-5	7/13/2006	21.13	--	--	--	6.39	14.74	14.74
HA-5	8/16/2006	21.13	--	--	--	7.35	13.78	13.78
HA-5	9/19/2006	21.13	--	--	--	7.80	13.33	13.33
HA-5	10/13/2006	21.13	--	--	--	7.52	13.61	13.61
HA-5	10/23/2006	21.13	--	--	--	7.54	13.59	--
HA-5	11/20/2006	21.13	--	--	--	3.70	17.43	17.43
HA-5	12/8/2006	21.13	--	--	--	4.69	16.44	16.44
HA-5	1/19/2007	21.13	--	--	--	3.22	17.91	17.91
HA-5	2/19/2007	21.13	--	--	--	5.25	15.88	15.88
HA-5	3/14/2007	21.13	--	--	--	4.38	16.75	--
HA-5	3/15/2007	21.13	--	--	--	4.31	16.82	16.82
HA-5	4/16/2007	21.13	--	--	--	4.76	16.37	16.37
HA-5	5/14/2007	21.13	--	--	--	6.05	15.08	15.08
HA-5	6/29/2007	21.13	--	--	--	7.17	13.96	13.96
HA-5	7/20/2007	21.13	--	--	--	7.57	13.56	13.56
HA-5	8/21/2007	21.13	--	--	--	8.15	12.98	12.98
HA-5	9/10/2007	21.13	--	--	--	8.24	12.89	12.89
HA-5	10/22/2007	21.13	--	--	--	6.92	14.21	14.21
HA-5	11/28/2007	21.13	--	--	--	6.33	14.80	14.80
HA-5	12/13/2007	21.13	--	--	--	5.08	16.05	16.05
HA-5	1/21/2008	21.13	--	--	--	4.96	16.17	16.17
HA-5	2/24/2008	21.13	--	--	--	5.73	15.40	15.40
HA-5	3/24/2008	21.13	--	--	--	8.99	12.14	12.14
HA-5	6/2/2008	21.13	--	--	--	7.04	14.09	--
HA-5	8/25/2008	21.13	--	--	--	7.65	13.48	13.48
HA-5	2/18/2009	21.13			Not Monitored			NM
HA-5	8/25/2009	21.13			Not Monitored			NM
HA-5	3/22/2010	21.13	--	--	--	5.56	15.57	15.57
HA-5	8/23/2010	21.13	--	--	--	7.47	13.66	13.66
HA-5	2/7/2011	21.13	--	--	--	6.63	14.50	--
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-6	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	--
HA-6	5/27/2011	21.43	--	--	--	5.64	15.79	--
HA-6	8/8/2011	21.43	--	--	--	7.61	13.82	--
HA-6	11/14/2011	21.43	--	--	--	7.38	14.05	--
HA-6	2/20/2012	21.43	--	--	--	4.80	16.63	--
HA-6	8/22/2012	21.43	--	--	--	7.24	14.19	--
HA-6	11/5/2012	21.43	--	--	--	7.00	14.43	--
HA-6	5/9/2013	21.43	--	--	--	5.52	15.91	--
HA-6	8/19/2013	21.43	--	--	--	8.08	13.35	--
HA-6	11/25/2013	21.43	--	--	--	5.84	15.59	--
HA-6	2/14/2014	21.43	--	--	--	5.26	16.17	--
HA-6	5/5/2014	21.43	--	--	--	4.24	17.19	--
HA-6	8/19/2014				Decomissioned Well			
HA-7	1/27/1993	18.44	--	--	2.22	6.33	13.78	--
HA-7	3/12/1993	18.44	--	--	0.61	7.30	11.60	--
HA-7	4/14/1993	18.44	--	--	1.23	7.00	12.36	--
HA-7	6/30/1993	18.44	--	--	0.84	7.36	11.71	--
HA-7	12/15/99	18.44	--	--	0.55	7.80	11.05	--
HA-7	2/8/1994	18.44	--	--	0.50	6.14	12.68	--
HA-7	8/12/1994	18.44	--	--	0.53	9.09	9.75	--
HA-7	9/21/1994	18.44	--	--	0.47	9.39	9.40	--
HA-7	11/4/1994	18.44	--	--	0.51	9.15	9.67	--
HA-7	12/23/1994	18.44	--	--	0.19	4.07	14.51	--
HA-7	2/3/1995	18.44	--	--	0.40	3.94	14.80	--
HA-7	2/22/1995	18.44	--	--	0.48	4.75	14.05	--
HA-7	3/24/1995	18.44	--	--	0.45	5.30	13.48	--
HA-7	4/27/1995	18.44	--	--	0.50	5.85	12.97	--
HA-7	5/15/1995	18.44	--	--	0.55	6.44	12.41	--
HA-7	6/16/1995	18.44	--	--	0.58	7.16	11.72	--
HA-7	8/25/1995	18.44	--	--	0.42	7.72	11.04	--
HA-7	10/20/1995	18.44	--	--	0.40	7.45	11.29	--
HA-7	4/4/1996	18.44	--	--	0.63	5.38	13.53	--
HA-7	4/16/1996	18.44	--	--	0.62	5.17	13.74	--
HA-7	5/10/1996	18.44	--	--	0.64	4.89	14.03	--
HA-7	5/15/1996	18.44	--	--	0.63	4.62	14.29	--
HA-7	5/22/1996	18.44	--	--	0.86	6.35	12.74	--
HA-7	6/5/1996	18.44	--	--	0.72	6.92	12.06	--
HA-7	6/24/1996	18.44	--	--	0.67	7.72	11.22	--
HA-7	7/15/1996	18.44	--	--	0.57	8.32	10.55	--
HA-7	8/23/1996	18.44	--	--	0.55	8.90	9.95	--
HA-7	9/18/1996	18.44	--	--	0.57	9.19	9.68	--
HA-7	1/3/1997	18.44	--	--	0.66	3.67	15.27	--
HA-7	3/12/1997	18.44	--	--	0.83	5.86	13.20	--
HA-7	4/2/1997	18.44	--	--	0.78	6.17	12.86	--
HA-7	5/1/1997	18.44	--	--	0.83	6.58	12.48	--
HA-7	7/8/1997	18.44	--	--	0.06	5.67	12.82	--
HA-7	8/19/1997	18.44	--	--	--	7.62	10.82	--
HA-7	8/26/1997	18.44	--	--	0.05	7.93	10.55	--
HA-7	9/18/1997	18.44	--	--	0.06	8.70	9.79	--
HA-7	4/30/1998	18.44	--	--	0.08	6.07	12.43	--
HA-7	7/29/1999	18.44	--	--	--	6.82	11.62	--
HA-7	5/22/2000	18.44	--	--	--	6.18	12.26	--
HA-7	5/22/2001	18.44	--	--	--	6.74	11.70	--
HA-7	6/5/2002	18.44	--	--	--	6.11	12.33	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-7	11/24/2002	21.60	--	--	--	7.25	14.35	14.35
HA-7	5/28/2003	21.60	--	--	sheen	7.08	14.52	--
HA-7	6/15/2004	21.60	--	--	--	7.83	13.77	--
HA-7	1/13/2005	21.60	--	--	--	5.70	15.90	15.90
HA-7	4/28/2005	21.60			Not Monitored			NM
HA-7	6/1/2005	21.60			Not Monitored			NM
HA-7	6/20/2005	21.60	--	--	--	5.71	15.89	--
HA-7	6/29/2005	21.60			Not Monitored			NM
HA-7	7/20/2005	21.60			Not Monitored			NM
HA-7	8/22/2005	21.60			Not Monitored			NM
HA-7	9/12/2005	21.60			Not Monitored			NM
HA-7	10/12/2005	21.60			Not Monitored			NM
HA-7	11/21/2005	21.60			Not Monitored			NM
HA-7	12/27/2005	21.60			Not Monitored			NM
HA-7	1/30/2006	21.60			Not Monitored			NM
HA-7	2/16/2006	21.60			Not Monitored			NM
HA-7	3/13/2006	21.60			Not Monitored			NM
HA-7	4/18/2006	21.60			Not Monitored			NM
HA-7	5/12/2006	21.60			Not Monitored			NM
HA-7	6/5/2006	21.60	--	--	--	5.28	16.32	--
HA-7	6/9/2006	21.60			Not Monitored			NM
HA-7	7/13/2006	21.60			Not Monitored			NM
HA-7	8/16/2006	21.60			Not Monitored			NM
HA-7	9/19/2006	21.60			Not Monitored			NM
HA-7	10/13/2006	21.60			Not Monitored			NM
HA-7	10/23/2006	21.60	--	--	--	7.86	13.74	--
HA-7	11/20/2006	21.60			Not Monitored			NM
HA-7	12/8/2006	21.60			Not Monitored			NM
HA-7	1/19/2007	21.60			Not Monitored			NM
HA-7	1/19/2007	21.60			Not Monitored			NM
HA-7	1/19/2007	21.60			Not Monitored			NM
HA-7	3/14/2007	21.60	--	--	--	4.47	17.13	--
HA-7	4/16/2007	21.60			Not Monitored			NM
HA-7	5/14/2007	21.60			Not Monitored			NM
HA-7	6/29/2007	21.60	--	--	--	7.35	14.25	14.25
HA-7	7/20/2007	21.60			Not Monitored			NM
HA-7	8/21/2007	21.60			Not Monitored			NM
HA-7	9/10/2007	21.60	--	--	--	8.78	12.82	NM
HA-7	10/22/2007	21.60			Not Monitored			NM
HA-7	11/28/2007	21.60	--	--	--	7.02	14.58	14.58
HA-7	12/13/2007	21.60			Not Monitored			NM
HA-7	1/21/2008	21.60	--	--	--	5.27	16.33	16.33
HA-7	2/24/2008	21.60	--	--	--	5.97	15.63	15.63
HA-7	3/24/2008	21.60	--	--	--	6.34	15.26	15.26
HA-7	6/2/2008	21.60	--	--	--	7.62	13.98	--
HA-7	8/25/2008	21.60	--	--	--	8.27	13.33	13.33
HA-7	2/18/2009	21.60			Not Monitored			NM
HA-7	8/25/2009	21.60			Not Monitored			NM
HA-7	3/22/2010	21.60	--	--	--	5.19	16.41	16.41
HA-7	8/23/2010	21.60	--	--	--	7.38	14.22	14.22
HA-7	2/7/2011	21.60	--	--	--	4.97	16.63	--
HA-7	5/27/2011	21.60	--	--	--	5.97	15.63	--
HA-7	8/8/2011	21.60	--	--	--	7.91	13.69	--
HA-7	11/14/2011	21.60	--	--	--	7.68	13.92	--
HA-7	2/20/2012	21.60	--	--	--	5.31	16.29	--
HA-7	8/22/2012	21.60	--	--	--	7.36	14.24	--
HA-7	11/5/2012	21.60	--	--	--	7.19	14.41	--
HA-7	1/28/2013	21.60	--	--	--	4.54	17.06	--
HA-7	5/9/2013	21.60	--	--	--	6.02	15.58	--
HA-7	8/19/2013	21.60	--	--	--	8.41	13.19	--
HA-7	11/25/2013	21.60	--	--	--	6.39	15.21	--
HA-7	2/14/2014	21.60	--	--	--	5.23	16.37	--
HA-7	5/5/2014	21.60	--	--	--	4.74	16.86	--
HA-7	8/19/2014				Decomissioned Well			
HA-8	1/27/1993	18.88	--	--	--	4.60	14.28	--
HA-8	3/12/1993	18.88	--	--	--	6.79	12.09	--
HA-8	4/14/1993	18.88	--	--	--	5.20	13.68	--
HA-8	12/15/1993	18.88	--	--	--	7.18	11.70	--
HA-8	11/4/1994	18.88	--	--	--	8.85	10.03	--
HA-8	2/22/1995	18.88	--	--	--	4.03	14.85	--
HA-8	6/16/1995	18.88	--	--	--	7.13	11.75	--
HA-8	10/20/1995	18.88	--	--	--	7.09	11.79	--
HA-8	4/4/1996	18.88	--	--	--	5.32	13.56	--
HA-8	4/16/1996	18.88	--	--	--	5.18	13.70	--
HA-8	5/1/1997	18.88	--	--	--	5.01	13.87	--
HA-8	8/26/1997	18.88	--	--	--	7.99	10.89	--
HA-8	9/18/1997	18.88	--	--	--	6.90	11.98	--
HA-8	5/1/1998	18.88	--	--	--	6.25	12.63	--
HA-8	7/29/1999	18.88	--	--	--	7.93	10.95	--
HA-8	5/22/2000	18.88	--	--	--	6.10	12.78	--
HA-8	5/22/2001	18.88	--	--	--	6.65	12.23	--
HA-8	6/5/2002	18.88	--	--	--	6.54	12.34	--
HA-8	11/24/2002	21.97	--	--	--	7.40	14.57	14.57
HA-8	1/31/2003	21.97	--	--	--	4.04	17.93	17.93
HA-8	2/7/2003	21.97	--	--	--	4.16	17.81	17.81
HA-8	2/12/2003	21.97	--	--	--	4.71	17.26	17.26
HA-8	2/18/2003	21.97	--	--	--	4.99	16.98	16.98
HA-8	2/21/2003	21.97	--	--	--	5.16	16.81	16.81
HA-8	2/24/2003	21.97	--	--	--	5.21	16.76	16.76
HA-8	3/4/2003	21.97	--	--	--	5.89	16.08	16.08
HA-8	3/12/2003	21.97	--	--	--	5.36	16.61	16.61
HA-8	3/14/2003	21.97	5.21	16.76	0.01	5.22	16.76	16.77
HA-8	3/26/2003	21.97	--	--	--	4.74	17.23	17.23
HA-8	3/28/2003	21.97	--	--	--	5.21	16.76	16.76
HA-8	4/2/2003	21.97	--	--	--	5.25	16.72	16.72
HA-8	4/4/2003	21.97	--	--	--	5.57	16.40	16.40
HA-8	4/8/2003	21.97	--	--	--	5.57	16.40	16.40
HA-8	4/11/2003	21.97	--	--	--	5.77	16.20	16.20
HA-8	4/15/2003	21.97	--	--	--	5.41	16.56	16.56
HA-8	4/17/2003	21.97	--	--	--	5.91	16.06	16.06
HA-8	4/22/2003	21.97	--	--	--	6.07	15.90	15.90
HA-8	4/25/2003	21.97	--	--	--	6.37	15.60	15.60
HA-8	5/2/2003	21.97	--	--	--	6.44	15.53	15.53

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-8	5/6/2003	21.97	--	--	--	6.62	15.35	15.35
HA-8	5/9/2003	21.97	--	--	--	6.92	15.05	15.05
HA-8	5/23/2003	21.97	--	--	--	7.38	14.59	14.59
HA-8	5/28/2003	21.97	--	--	--	7.34	14.63	14.63
HA-8	6/13/2003	21.97	--	--	--	7.66	14.31	14.31
HA-8	6/18/2003	21.97	--	--	--	7.60	14.37	14.37
HA-8	6/27/2003	21.97	--	--	--	7.65	14.32	14.32
HA-8	7/7/2003	21.97	--	--	--	8.51	13.46	13.46
HA-8	7/16/2003	21.97	--	--	--	8.24	13.73	13.73
HA-8	7/31/2003	21.97	--	--	--	8.61	13.36	13.36
HA-8	8/5/2003	21.97	--	--	--	9.62	12.35	12.35
HA-8	8/11/2003	21.97	--	--	--	9.70	12.27	12.27
HA-8	8/22/2003	21.97	10.02	11.95	0.01	10.03	11.95	11.96
HA-8	8/26/2003	21.97	--	--	--	8.99	12.98	12.98
HA-8	9/2/2003	21.97	--	--	--	9.02	12.95	12.95
HA-8	9/9/2003	21.97	9.51	12.46	0.01	9.52	12.46	12.47
HA-8	9/19/2003	21.97	10.40	11.57	0.10	10.50	11.55	11.62
HA-8	10/14/2003	21.97			Not Monitored			--
HA-8	11/20/2003	21.97	7.22	14.75	0.32	7.54	14.67	14.91
HA-8	12/3/2003	21.97	4.65	17.32	0.57	5.22	17.18	17.61
HA-8	1/19/2004	21.97	4.23	17.74	0.55	4.78	17.60	18.02
HA-8	2/24/2004	21.97	5.08	16.89	0.53	5.61	16.76	17.16
HA-8	3/15/2004	21.97	6.15	15.82	0.51	6.66	15.69	16.08
HA-8	4/19/2004	21.97	6.98	14.99	0.50	7.48	14.87	15.24
HA-8	5/17/2004	21.97	7.74	14.23	0.49	8.23	14.11	14.48
HA-8	6/15/2004	21.97	--	--	0.51	8.21	14.14	--
HA-8	6/22/2004	21.97	7.57	14.40	0.51	8.08	14.27	14.66
HA-8	8/18/2004	21.97	8.71	13.26	0.49	9.20	13.14	13.51
HA-8	9/21/2004	21.97	7.67	14.30	0.17	7.84	14.26	14.39
HA-8	10/19/2004	21.97	6.89	15.08	0.16	7.05	15.04	15.16
HA-8	11/23/2004	21.97	6.89	15.08	0.11	7.00	15.05	15.14
HA-8	12/21/2004	21.97	5.08	16.89	0.15	5.23	16.85	16.97
HA-8	1/13/2005	21.97	--	--	--	6.02	15.95	15.95
HA-8	4/28/2005	21.97	--	--	--	8.63	13.34	13.34
HA-8	6/1/2005	21.97	5.55	13.33	0.11	5.66	16.39	16.48
HA-8	6/20/2005	21.97	--	--	0.11	6.27	15.78	--
HA-8	6/29/2005	21.97	7.08	11.80	0.12	7.20	14.86	11.68
HA-8	7/20/2005	21.97	7.55	14.42	0.15	7.70	14.38	14.50
HA-8	8/22/2005	21.97	7.85	14.12	0.05	7.90	14.11	14.15
HA-8	9/12/2005	21.97			Dry			0.00
HA-8	10/12/2005	21.97	9.14	12.83	3.61	9.22	15.46	18.17
HA-8	11/21/2005	21.97	7.49	14.48	0.02	7.51	14.48	14.49
HA-8	12/27/2005	21.97	5.04	16.93	0.06	5.10	16.92	16.96
HA-8	1/30/2006	21.97	2.30	19.67	0.06	2.36	19.66	19.70
HA-8	2/16/2006	21.97	4.11	17.86	0.06	4.17	17.85	17.89
HA-8	3/13/2006	21.97	4.98	16.99	0.06	5.04	16.98	17.02
HA-8	4/18/2006	21.97	--	--	--	5.12	16.85	16.85
HA-8	5/12/2006	21.97	--	--	--	5.89	16.08	16.08
HA-8	6/5/2006	21.97	--	--	0.06	5.38	16.64	--
HA-8	6/9/2006	21.97	--	--	--	5.40	16.57	16.57
HA-8	7/13/2006	21.97	--	--	--	6.80	15.17	15.17
HA-8	8/16/2006	21.97	--	--	--	7.80	14.17	14.17
HA-8	9/19/2006	21.97	--	--	--	8.54	13.43	13.43
HA-8	10/13/2006	21.97	--	--	--	8.20	13.77	13.77
HA-8	10/23/2006	21.97	--	--	0.02	8.26	13.73	--
HA-8	11/20/2006	21.97	3.85	18.12	0.03	3.88	18.11	18.14
HA-8	12/8/2006	21.97	3.65	18.32	0.02	3.67	18.32	18.33
HA-8	1/19/2007	21.97	3.22	18.75	0.04	3.24	18.76	18.79
HA-8	2/19/2007	21.97	5.28	16.69	0.03	5.31	16.68	16.71
HA-8	3/15/2007	21.97	4.18	17.79	0.02	4.20	17.79	17.80
HA-8	4/16/2007	21.97	4.88	17.09	0.03	4.91	17.08	17.11
HA-8	5/14/2007	21.97	6.60	15.37	0.05	6.65	15.36	15.40
HA-8	6/29/2007	21.97	--	--	--	7.72	14.25	14.25
HA-8	7/20/2007	21.97	--	--	--	8.13	13.84	13.84
HA-8	8/21/2007	21.97	--	--	--	8.88	13.09	13.09
HA-8	9/10/2007	21.97	--	--	--	8.98	12.99	12.99
HA-8	10/22/2007	21.97	--	--	--	7.83	14.14	14.14
HA-8	11/28/2007	21.97	--	--	--	6.72	15.25	15.25
HA-8	12/13/2007	21.97	--	--	--	5.80	16.17	16.17
HA-8	1/21/2008	21.97	--	--	--	5.76	16.21	16.21
HA-8	2/24/2008	21.97	--	--	--	6.29	15.68	15.68
HA-8	3/24/2008	21.97	--	--	--	6.41	15.56	15.56
HA-8	6/2/2008	21.97	--	--	--	7.64	14.33	--
HA-8	8/25/2008	21.97	--	--	--	8.34	13.63	13.63
HA-8	2/18/2009	21.97			Not Monitored			NM
HA-8	8/25/2009	21.97			Not Monitored			NM
HA-8	3/22/2010	21.97	--	--	--	5.80	16.17	16.17
HA-8	8/23/2010	21.97	--	--	--	8.13	13.84	13.84
HA-8	2/7/2011	21.97	--	--	--	4.94	17.03	--
HA-8	5/27/2011	21.97			Not Monitored			
HA-8	8/8/2011	21.97	--	--	--	8.00	13.97	--
HA-8	11/14/2011	21.97	--	--	--	7.72	14.25	--
HA-8	2/20/2012	21.97	--	--	--	5.13	16.84	--
HA-8	8/22/2012	21.97	--	--	--	7.73	14.24	--
HA-8	11/5/2012	21.97	--	--	--	6.80	15.17	--
HA-8	1/28/2013	21.97	--	--	--	4.90	17.07	--
HA-8	5/9/2013	21.97	--	--	--	6.08	15.89	--
HA-8	8/19/2013	21.97	--	--	--	8.50	13.47	--
HA-8	11/25/2013	21.97	--	--	--	6.29	15.68	--
HA-8	2/14/2014	21.97	--	--	--	5.35	16.62	--
HA-8	5/5/2014	21.97	--	--	--	4.43	17.54	--
HA-8	8/19/2014				Decomissioned Well			
HA-9	1/27/1993	19.40	--	--	--	7.00	12.40	--
HA-9	3/12/1993	19.40	--	--	--	7.95	11.45	--
HA-9	4/14/1993	19.40	--	--	--	7.74	11.66	--
HA-9	12/15/1993	19.40	--	--	--	7.82	11.58	--
HA-9	11/4/1994	19.40	--	--	--	9.75	9.65	--
HA-9	2/22/1995	19.40	--	--	--	7.61	11.79	--
HA-9	6/16/1995	19.40	--	--	--	8.17	11.23	--
HA-9	10/20/1995	19.40	--	--	--	8.08	11.32	--
HA-9	4/4/1996	19.40	--	--	--	7.30	12.10	--
HA-9	4/16/1996	19.40	--	--	--	7.28	12.12	--
HA-9	4/2/1997	19.40	--	--	--	7.76	11.64	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-9	5/1/1997	19.40	--	--	--	7.78	11.62	--
HA-9	9/18/1997	19.40	--	--	--	7.95	11.45	--
HA-9	4/29/1998	19.40	--	--	--	7.99	11.41	--
HA-9	7/28/1999	19.40	--	--	--	8.23	11.17	--
HA-9	5/24/2000	19.40	--	--	--	9.25	10.15	--
HA-9	5/23/2001	19.40	--	--	--	7.92	11.48	--
HA-9	6/4/2002	19.40	--	--	--	8.01	11.39	--
HA-9	11/24/2002	21.32	--	--	--	8.20	13.12	13.12
HA-9	5/28/2003	21.32	--	--	sheen	8.05	13.27	--
HA-9	6/17/2004	21.32	--	--	--	8.18	13.14	--
HA-9	6/20/2005	21.32	--	--	--	7.98	13.34	--
HA-9	6/5/2006	21.32	--	--	--	7.62	13.70	--
HA-9	10/23/2006	21.32	--	--	--	8.32	13.00	--
HA-9	3/14/2007	21.32	--	--	--	6.08	15.24	--
HA-9	6/29/2007	21.32	--	--	--	7.04	14.28	14.28
HA-9	7/20/2007	21.32			Not Monitored			NM
HA-9	8/21/2007	21.32			Not Monitored			NM
HA-9	9/10/2007	21.32	--	--	--	7.13	14.19	--
HA-9	10/22/2007	21.32			Not Monitored			NM
HA-9	11/28/2007	21.32			Not Monitored			NM
HA-9	12/13/2007	21.32	--	--	--	6.66	14.66	14.66
HA-9	1/21/2008	21.32	--	--	--	6.35	14.97	14.97
HA-9	2/24/2008	21.32	--	--	--	6.67	14.65	14.65
HA-9	3/24/2008	21.32	--	--	--	6.62	14.70	14.70
HA-9	6/2/2008	21.32	--	--	--	6.90	14.42	--
HA-9	8/25/2008	21.32	--	--	--	7.08	14.24	14.24
HA-9	2/18/2009	21.32			Not Monitored			NM
HA-9	8/25/2009	21.32			Not Monitored			NM
HA-9	3/22/2010	21.32	--	--	--	6.14	15.18	15.18
HA-9	8/23/2010	21.32	--	--	--	7.17	14.15	14.15
HA-9	2/7/2011	21.32	--	--	--	6.03	15.29	--
HA-9	5/27/2011	21.32	--	--	--	7.01	14.31	--
HA-9	8/8/2011	21.32	--	--	--	7.16	14.16	--
HA-9	11/14/2011	21.32	--	--	--	6.96	14.36	--
HA-9	2/20/2012	21.32	--	--	--	6.15	15.17	--
HA-9	8/22/2012	21.32	--	--	--	7.15	14.17	--
HA-9	11/5/2012	21.32	--	--	--	6.50	14.82	--
HA-9	1/28/2013	21.32	--	--	--	4.77	16.55	--
HA-9	5/9/2013	21.32	--	--	--	6.67	14.65	--
HA-9	8/19/2013	21.32	--	--	--	7.24	14.08	--
HA-9	11/25/2013	21.32	--	--	--	6.59	14.73	--
HA-9	2/14/2014	21.32	DRY				21.32	--
HA-9	5/5/2014	21.32	--	--	--	5.34	15.98	--
HA-9	8/19/2014	21.32	--	--	--	7.09	14.23	--
HA-9	11/21/2014	21.32	--	--	--	6.26	15.06	--
HA-10	1/27/1993	19.40	--	--	--	6.88	12.52	--
HA-10	3/12/1993	19.40	--	--	--	8.94	10.46	--
HA-10	4/14/1993	19.40	--	--	--	8.73	10.67	--
HA-10	12/15/1993	19.40	--	--	--	8.05	11.35	--
HA-10	2/22/1995	19.40	--	--	--	8.14	11.26	--
HA-10	6/16/1995	19.40	--	--	--	9.18	10.22	--
HA-10	10/20/1995	19.40	--	--	--	7.83	11.57	--
HA-10	4/4/1996	19.40	--	--	--	7.67	11.73	--
HA-10	4/16/1996	19.40	--	--	--	7.29	12.11	--
HA-10	7/15/1996	19.40	--	--	--	9.40	10.00	--
HA-10	4/2/1997	19.40	--	--	--	8.74	10.66	--
HA-10	5/1/1997	19.40	--	--	--	8.26	11.14	--
HA-10	5/23/2001	19.40	--	--	--	8.86	10.54	--
HA-10	6/6/2002	19.40	--	--	--	9.80	9.60	--
HA-10	11/24/2002	21.15	--	--	--	8.49	12.66	12.66
HA-10	5/27/2003	21.15	--	--	--	9.31	11.84	--
HA-10	6/17/2004	21.15	--	--	--	9.17	11.98	--
HA-10	6/21/2005	21.15	--	--	--	8.58	12.57	--
HA-10	6/5/2006	21.15	--	--	--	7.84	13.31	--
HA-10	10/23/2006	21.15	--	--	--	9.09	12.06	--
HA-10	3/14/2007	21.15	--	--	--	6.21	14.94	--
HA-10	6/29/2007	21.15	--	--	--	7.79	13.36	13.36
HA-10	7/20/2007	21.15			Not Monitored			NM
HA-10	8/21/2007	21.15			Not Monitored			NM
HA-10	9/10/2007	21.15	--	--	--	8.20	12.95	NM
HA-10	10/22/2007	21.15			Not Monitored			NM
HA-10	11/28/2007	21.15	--	--	--	7.50	13.65	13.65
HA-10	12/13/2007	21.15	--	--	--	7.35	13.80	13.80
HA-10	1/21/2008	21.15	--	--	--	6.79	14.36	14.36
HA-10	2/24/2008	21.15	--	--	--	6.70	14.45	14.45
HA-10	3/24/2008	21.15	--	--	--	7.21	13.94	13.94
HA-10	6/2/2008	21.15	--	--	--	7.85	13.30	13.30
HA-10	8/25/2008	21.15	--	--	--	6.51	14.64	14.64
HA-10	2/18/2009	21.15			Not Monitored			NM
HA-10	8/25/2009	21.15			Not Monitored			NM
HA-10	3/22/2010	21.15	--	--	--	6.32	14.83	14.83
HA-10	8/23/2010	21.15	--	--	--	7.55	13.60	13.60
HA-10	2/7/2011	21.15	--	--	--	7.11	14.04	--
HA-10	5/27/2011	21.15	--	--	--	6.97	14.18	--
HA-10	8/8/2011	21.15	--	--	--	8.07	13.08	--
HA-10	2/20/2012	21.15	--	--	--	6.92	14.23	--
HA-10	8/22/2012	21.15	--	--	--	8.03	13.12	--
HA-10	11/5/2012	21.15	--	--	--	5.61	15.54	--
HA-10	1/28/2013	21.15	--	--	--	5.56	15.59	--
HA-10	5/9/2013	21.15	--	--	--	7.48	13.67	--
HA-10	8/19/2013	21.15	--	--	--	8.31	12.84	--
HA-10	11/25/2013	21.15	--	--	--	7.43	13.72	--
HA-10	2/14/2014	21.15	--	--	--	5.65	15.50	--
HA-10	5/5/2014	21.15	--	--	--	5.41	15.74	--
HA-10	8/19/2014	21.15	--	--	--	7.62	13.53	--
HA-11	1/27/1993	18.51	--	--	--	5.80	12.71	--
HA-11	3/12/1993	18.51	--	--	--	7.97	10.54	--
HA-11	4/14/1993	18.51	--	--	--	7.33	11.18	--
HA-11	12/15/1993	18.51	--	--	--	7.18	11.33	--
HA-11	11/4/1994	18.51	--	--	--	9.77	8.74	--
HA-11	2/22/1995	18.51	--	--	--	7.49	11.02	--
HA-11	6/16/1995	18.51	--	--	--	8.25	10.26	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-11	10/20/1995	18.51	--	--	--	7.62	10.89	--
HA-11	4/4/1996	18.51	--	--	--	6.95	11.56	--
HA-11	4/16/1996	18.51	--	--	--	6.60	11.91	--
HA-11	4/2/1997	18.51	--	--	--	7.95	10.56	--
HA-11	5/1/1997	18.51	--	--	--	7.96	10.55	--
HA-11	4/29/1998	18.51	--	--	--	7.89	10.62	--
HA-11	7/28/1999	18.51	--	--	--	8.08	10.43	--
HA-11	5/24/2000	18.51	--	--	--	7.75	10.76	--
HA-11	5/23/2001	18.51	--	--	--	8.40	10.11	--
HA-11	6/4/2002	18.51	--	--	--	7.77	10.74	--
HA-11	11/24/2002	20.69	--	--	--	8.33	12.36	12.36
HA-11	5/27/2003	20.69	--	--	--	8.33	12.36	--
HA-11	6/21/2005	20.69	--	--	--	7.85	12.84	--
HA-11	6/5/2006	20.69	--	--	--	7.57	13.12	--
HA-11	10/23/2006	20.69	--	--	--	8.60	12.09	--
HA-11	3/14/2007	20.69	--	--	--	6.21	14.48	--
HA-11	6/29/2007	20.69	--	--	--	7.64	13.05	13.05
HA-11	7/20/2007	20.69			Not Monitored			NM
HA-11	8/21/2007	20.69			Not Monitored			NM
HA-11	9/10/2007	20.69	--	--	--	8.18	12.51	NM
HA-11	10/22/2007	20.69			Not Monitored			NM
HA-11	11/28/2007	20.69	--	--	--	7.41	13.28	13.28
HA-11	12/13/2007	20.69	--	--	--	3.94	16.75	16.75
HA-11	1/21/2008	20.69	--	--	--	6.69	14.00	14.00
HA-11	2/24/2008	20.69	--	--	--	6.83	13.86	13.86
HA-11	3/24/2008	20.69	--	--	--	7.06	13.63	13.63
HA-11	6/2/2008	20.69	--	--	--	7.58	13.11	--
HA-11	8/25/2008	20.69	--	--	--	8.09	12.60	12.60
HA-11	2/18/2009	20.69			Not Monitored			NM
HA-11	8/25/2009	20.69			Not Monitored			NM
HA-11	3/22/2010	20.69	--	--	--	6.55	14.14	14.14
HA-11	8/23/2010	20.69	--	--	--	7.22	13.47	13.47
HA-11	2/7/2011	20.69	--	--	--	6.99	13.70	--
HA-11	5/27/2011	20.69	--	--	--	7.24	13.45	--
HA-11	8/8/2011	20.69			Dry			
HA-11	11/14/2011	20.69	--	--	--	8.72	11.97	--
HA-11	2/20/2012	20.69	--	--	--	6.75	13.94	--
HA-11	8/22/2012	20.69	--	--	--	7.80	12.89	--
HA-11	11/5/2012	20.69	--	--	--	7.03	13.66	--
HA-11	1/28/2013	20.69	--	--	--	6.38	14.31	--
HA-11	5/9/2013	20.69	--	--	--	7.62	13.07	--
HA-11	8/19/2013	20.69	--	--	--	8.06	12.63	--
HA-11	11/25/2013	20.69	--	--	--	7.05	13.64	--
HA-11	2/14/2014	20.69	--	--	--	6.45	14.24	--
HA-11	5/5/2014	20.69	--	--	--	6.17	14.52	--
HA-11	8/19/2014	20.69	--	--	--	7.83	12.86	--
HA-11	11/21/2014	20.69			DRY			
HA-12	1/27/1993	19.91	--	--	--	4.01	15.90	--
HA-12	3/12/1993	19.91	--	--	--	7.36	12.55	--
HA-12	4/14/1993	19.91	--	--	--	5.92	13.99	--
HA-12	12/15/1993	19.91	--	--	--	7.02	12.89	--
HA-12	11/4/1994	19.91	--	--	--	9.06	10.85	--
HA-12	2/22/1995	19.91	--	--	--	3.80	16.11	--
HA-12	6/16/1995	19.91	--	--	--	7.40	12.51	--
HA-12	10/20/1995	19.91	--	--	--	7.40	12.51	--
HA-12	4/4/1996	19.91	--	--	--	5.65	14.26	--
HA-12	4/16/1996	19.91	--	--	--	5.26	14.65	--
HA-12	5/1/1997	19.91	--	--	--	6.13	13.78	--
HA-12	8/26/1997	19.91	--	--	--	8.58	11.33	--
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	--	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-13	1/27/1993	19.56	--	--	--	5.32	14.24	--
HA-13	3/12/1993	19.56	--	--	--	8.23	11.33	--
HA-13	4/14/1993	19.56	--	--	--	7.08	12.48	--
HA-13	12/15/1993	19.56	--	--	--	6.34	13.22	--
HA-13	11/4/1994	19.56	--	--	--	8.93	10.63	--
HA-13	2/22/1995	19.56	--	--	--	4.54	15.02	--
HA-13	6/16/1995	19.56	--	--	--	8.83	10.73	--
HA-13	10/20/1995	19.56	--	--	--	8.23	11.33	--
HA-13	4/4/1996	19.56	--	--	--	7.06	12.50	--
HA-13	4/16/1996	19.56	--	--	--	7.31	12.25	--
HA-13	5/1/1997	19.56	--	--	--	7.01	12.55	--
HA-13	9/18/1997	19.56	--	--	--	6.93	12.63	--
HA-13	4/30/1998	19.56	--	--	--	8.26	11.30	--
HA-13	7/28/1999	19.56	--	--	--	8.62	10.94	--
HA-13	5/22/2000	19.56	--	--	--	8.45	11.11	--
HA-13	5/22/2001	19.56	--	--	--	8.20	11.36	--
HA-13	6/4/2002	19.56	--	--	--	8.41	11.15	--
HA-13	11/24/2002	22.73	--	--	--	8.60	14.13	14.13
HA-13	1/17/2003	22.73	--	--	--	6.30	16.43	16.43
HA-13	1/31/2003	22.73	--	--	--	4.49	18.24	18.24
HA-13	2/7/2003	22.73	--	--	--	6.27	16.46	16.46
HA-13	2/12/2003	22.73	--	--	--	6.78	15.95	15.95
HA-13	2/18/2003	22.73	--	--	--	7.13	15.60	15.60
HA-13	2/21/2003	22.73	--	--	--	6.99	15.74	15.74
HA-13	2/24/2003	22.73	--	--	--	6.98	15.75	15.75
HA-13	3/4/2003	22.73	--	--	--	7.49	15.24	15.24
HA-13	3/12/2003	22.73	--	--	--	6.48	16.25	16.25
HA-13	3/14/2003	22.73	--	--	--	5.16	17.57	17.57
HA-13	3/26/2003	22.73	--	--	--	5.65	17.08	17.08
HA-13	3/28/2003	22.73	--	--	--	6.34	16.39	16.39
HA-13	4/2/2003	22.73	--	--	--	6.74	15.99	15.99
HA-13	4/4/2003	22.73	--	--	--	7.08	15.65	15.65
HA-13	4/8/2003	22.73	--	--	--	7.17	15.56	15.56
HA-13	4/11/2003	22.73	--	--	--	7.31	15.42	15.42
HA-13	4/15/2003	22.73	--	--	--	6.93	15.80	15.80
HA-13	4/17/2003	22.73	--	--	--	7.32	15.41	15.41
HA-13	4/22/2003	22.73	--	--	--	7.52	15.21	15.21
HA-13	4/25/2003	22.73	--	--	--	7.81	14.92	14.92
HA-13	5/2/2003	22.73	--	--	--	8.04	14.69	14.69
HA-13	5/6/2003	22.73	--	--	--	8.13	14.60	14.60
HA-13	5/9/2003	22.73	--	--	--	8.36	14.37	14.37
HA-13	5/23/2003	22.73	--	--	--	8.93	13.80	13.80
HA-13	5/27/2003	22.73	--	--	--	8.89	13.84	--
HA-13	5/28/2003	22.73	--	--	--	8.98	13.75	13.75
HA-13	6/13/2003	22.73	--	--	--	6.08	16.65	16.65
HA-13	6/18/2003	22.73	--	--	--	9.12	13.61	13.61
HA-13	6/27/2003	22.73	--	--	--	9.07	13.66	13.66
HA-13	7/7/2003	22.73	--	--	--	9.55	13.18	13.18
HA-13	7/16/2003	22.73	--	--	--	9.42	13.31	13.31
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-13	7/20/2007	22.73	--	--	--	9.51	13.22	13.22
HA-13	8/21/2007	22.73	--	--	--	9.89	12.84	12.84
HA-13	9/10/2007	22.73	--	--	--	9.91	12.82	12.82
HA-13	10/22/2007	22.73	--	--	--	8.11	14.62	14.62
HA-13	11/28/2007	22.73	--	--	--	8.22	14.51	14.51
HA-13	12/13/2007	22.73	6.32	16.41	0.01	6.33	16.41	16.42
HA-13	1/21/2008	22.73	--	--	--	6.83	15.90	15.90
HA-13	2/24/2008	22.73	--	--	--	7.55	15.18	15.18
HA-13	3/24/2008	22.73	--	--	--	7.89	14.84	14.84
HA-13	6/2/2008	22.73	--	--	--	9.03	13.70	--
HA-13	8/25/2008	22.73	--	--	--	9.29	13.44	13.44
HA-13	2/18/2009	22.73			Not Monitored			NM
HA-13	8/25/2009	22.73			Not Monitored			NM
HA-13	3/22/2010	22.73	--	--	--	7.52	15.21	15.21
HA-13	8/23/2010	22.73	--	--	--	9.35	13.38	13.38
HA-13	2/7/2011	22.73	--	--	--	6.48	16.25	--
HA-13	5/27/2011	22.73	--	--	--	7.55	15.18	--
HA-13	8/8/2011	22.73	--	--	--	9.21	13.52	--
HA-13	11/14/2011	22.73	--	--	--	8.69	14.04	--
HA-13	2/20/2012	22.73	--	--	--	5.17	17.56	--
HA-13	8/22/2012	22.73	--	--	--	9.11	13.62	--
HA-13	11/5/2012	22.73	--	--	--	4.28	18.45	--
HA-13	1/28/2013	22.73	--	--	--	6.19	16.54	--
HA-13	5/9/2013	22.73	--	--	--	7.57	15.16	--
HA-13	8/19/2013	22.73	--	--	--	9.51	13.22	--
HA-13	11/25/2013	22.73	--	--	--	7.19	15.54	--
HA-13	2/14/2014	22.73	--	--	--	5.07	17.66	--
HA-13	5/5/2014	22.73	--	--	--	4.48	18.25	--
HA-13	8/19/2014	22.73	--	--	--	9.33	13.40	--
HA-13	11/21/2014	22.73	--	--	--	7.26	15.47	--
HA-14	1/27/1993	20.02	--	--	--	6.10	13.92	--
HA-14	3/12/1993	20.02	--	--	--	8.80	11.22	--
HA-14	4/14/1993	20.02	--	--	--	7.04	12.98	--
HA-14	12/15/1993	20.02	--	--	--	8.56	11.46	--
HA-14	11/4/1994	20.02	--	--	--	8.35	11.67	--
HA-14	2/22/1995	20.02	--	--	--	5.10	14.92	--
HA-14	6/16/1995	20.02	--	--	--	9.51	10.51	--
HA-14	10/20/1995	20.02	--	--	--	8.77	11.25	--
HA-14	4/4/1996	20.02	--	--	--	7.52	12.50	--
HA-14	4/16/1996	20.02	--	--	--	6.01	14.01	--
HA-14	5/1/1997	20.02	--	--	--	6.92	13.10	--
HA-14	9/18/1997	20.02	--	--	--	8.17	11.85	--
HA-14	4/30/1998	20.02	--	--	--	9.05	10.97	--
HA-14	7/29/1999	20.02	--	--	--	9.49	10.53	--
HA-14	5/22/2000	20.02	--	--	--	9.22	10.80	--
HA-14	5/22/2001	20.02	--	--	--	9.03	10.99	--
HA-14	6/4/2002	20.02	--	--	--	8.41	11.61	--
HA-14	11/24/2002	23.47	--	--	--	9.67	13.80	13.80
HA-14	5/27/2003	23.47	--	--	--	9.48	13.99	--
HA-14	6/16/2004	23.47	--	--	--	9.69	13.78	--
HA-14	9/21/2004	23.47	--	--	--	9.24	14.23	14.23
HA-14	6/1/2005	23.47	--	--	--	8.68	14.79	14.79
HA-14	6/21/2005	23.47	--	--	--	9.15	14.32	--
HA-14	6/29/2005	23.47	--	--	--	9.32	14.15	14.15
HA-14	7/20/2005	23.47	--	--	--	9.63	13.84	10.39
HA-14	8/22/2005	23.47	--	--	--	10.50	12.97	13.21
HA-14	9/12/2005	23.47			Not Monitored			NM
HA-14	10/12/2005	23.47			Not Monitored			NM
HA-14	11/21/2005	23.47			Not Monitored			NM
HA-14	12/27/2005	23.47			Not Monitored			NM
HA-14	1/30/2006	23.47			Not Monitored			NM
HA-14	2/16/2006	23.47			Not Monitored			NM
HA-14	3/13/2006	23.47			Not Monitored			NM
HA-14	4/18/2006	23.47			Not Monitored			NM
HA-14	5/12/2006	23.47			Not Monitored			NM
HA-14	6/5/2006	23.47	--	--	--	7.96	15.51	--
HA-14	6/9/2006	23.47			Not Monitored			NM
HA-14	7/13/2006	23.47			Not Monitored			NM
HA-14	8/16/2006	23.47			Not Monitored			NM
HA-14	9/19/2006	23.47			Not Monitored			NM
HA-14	10/13/2006	23.47	--	--	--	10.26	13.21	13.21
HA-14	10/23/2006	23.47	--	--	--	10.18	13.29	--
HA-14	11/20/2006	23.47	--	--	--	9.27	14.20	14.20
HA-14	12/8/2006	23.47	--	--	--	5.12	18.35	18.35
HA-14	1/19/2007	23.47	--	--	--	5.01	18.46	18.46
HA-14	2/19/2007	23.47	--	--	--	8.00	15.47	15.47
HA-14	3/14/2007	23.47	--	--	--	7.13	16.34	--
HA-14	3/15/2007	23.47	--	--	--	6.85	16.62	16.62
HA-14	4/16/2007	23.47	--	--	--	7.87	15.60	15.60
HA-14	5/14/2007	23.47	--	--	--	9.10	14.37	14.37
HA-14	6/29/2007	23.47	--	--	--	8.70	14.77	14.77
HA-14	7/20/2007	23.47	--	--	--	10.08	13.39	13.39
HA-14	8/21/2007	23.47	--	--	--	10.12	13.35	13.35
HA-14	9/10/2007	23.47	--	--	--	10.41	13.06	13.06
HA-14	10/22/2007	23.47	--	--	--	8.76	14.71	14.71
HA-14	11/28/2007	23.47	--	--	--	6.79	16.68	16.68
HA-14	12/13/2007	23.47	7.72	15.75	0.07	7.79	15.73	15.79
HA-14	1/21/2008	23.47	--	--	--	6.54	16.93	16.93
HA-14	2/24/2008	23.47	--	--	--	8.21	15.26	15.26
HA-14	3/24/2008	23.47	--	--	--	8.61	14.86	14.86
HA-14	6/2/2008	23.47	--	--	--	9.68	13.79	--
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			

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-14	1/28/2013	23.47	--	--	--	7.34	16.13	--
HA-14	5/9/2013	23.47	--	--	--	8.22	15.25	--
HA-14	8/19/2013	23.47	--	--	--	10.15	13.32	--
HA-14	11/25/2013	23.47	--	--	--	8.16	15.31	--
HA-14	2/14/2014	23.47	--	--	--	7.90	15.57	--
HA-14	5/5/2014	23.47	--	--	--	6.91	16.56	--
HA-14	8/19/2014	23.47	--	--	--	9.17	14.30	--
HA-14	11/21/2014	23.47	--	--	--	8.11	15.36	--
HA-15	1/31/2003	22.87	--	--	--	5.56	17.31	--
HA-15	2/7/2003	22.87	--	--	--	5.31	17.56	17.31
HA-15	2/12/2003	22.87	--	--	--	5.64	17.23	17.56
HA-15	2/18/2003	22.87	--	--	--	6.09	16.78	17.23
HA-15	2/21/2003	22.87	--	--	--	7.92	14.95	14.95
HA-15	2/24/2003	22.87	--	--	--	6.04	16.83	16.83
HA-15	3/4/2003	22.87	--	--	--	6.62	16.25	16.25
HA-15	3/12/2003	22.87	--	--	--	6.02	16.85	16.85
HA-15	3/26/2003	22.87	--	--	--	5.46	17.41	17.41
HA-15	3/28/2003	22.87	--	--	--	5.96	16.91	16.91
HA-15	4/2/2003	22.87	--	--	--	5.91	16.96	16.96
HA-15	4/4/2003	22.87	--	--	--	6.22	16.65	16.65
HA-15	4/8/2003	22.87	--	--	--	6.42	16.45	16.45
HA-15	4/11/2003	22.87	--	--	--	6.63	16.24	16.24
HA-15	4/15/2003	22.87	--	--	--	6.28	16.59	16.59
HA-15	4/17/2003	22.87	--	--	--	6.49	16.38	16.38
HA-15	4/22/2003	22.87	--	--	--	6.66	16.21	16.21
HA-15	4/25/2003	22.87	--	--	--	7.07	15.80	15.80
HA-15	5/2/2003	22.87	--	--	--	7.06	15.81	15.81
HA-15	5/6/2003	22.87	--	--	--	7.32	15.55	15.55
HA-15	5/9/2003	22.87	--	--	--	7.52	15.35	15.35
HA-15	5/23/2003	22.87	--	--	--	7.83	15.04	15.04
HA-15	5/28/2003	22.87			DRY			Dry
HA-15	6/13/2003	22.87			DRY			Dry
HA-15	6/18/2003	22.87			DRY			Dry
HA-15	6/27/2003	22.87			DRY			Dry
HA-15	7/7/2003	22.87			DRY			Dry
HA-15	7/16/2003	22.87			DRY			Dry
HA-15	7/31/2003	22.87			DRY			Dry
HA-15	8/5/2003	22.87			DRY			Dry
HA-15	8/11/2003	22.87			DRY			Dry
HA-15	8/22/2003	22.87			DRY			Dry
HA-15	8/26/2003	22.87			DRY			Dry
HA-15	9/2/2003	22.87			DRY			Dry
HA-15	9/9/2003	22.87			DRY			Dry
HA-15	9/19/2003	22.87			DRY			Dry
HA-15	10/14/2003	22.87			DRY			Dry
HA-15	11/20/2003	22.87			DRY			Dry
HA-15	12/3/2003	22.87	--	--	--	6.08	16.79	16.79
HA-15	1/19/2004	22.87	--	--	--	5.49	17.38	17.38
HA-15	2/24/2004	22.87	--	--	--	6.32	16.55	16.55
HA-15	3/15/2004	22.87	--	--	--	7.32	15.55	15.55
HA-15	4/19/2004	22.87	--	--	--	7.80	15.07	15.07
HA-15	5/17/2004	22.87			DRY			0.00
HA-15	6/22/2004	22.87			DRY			0.00
HA-15	8/18/2004	22.87			DRY			0.00
HA-15	9/21/2004	22.87			DRY			0.00
HA-15	10/19/2004	22.87			DRY			0.00
HA-15	11/23/2004	22.87			DRY			0.00
HA-15	12/21/2004	22.87	--	--	--	6.03	16.84	16.84
HA-15	1/13/2005	22.87	--	--	--	6.73	16.14	16.14
HA-15	4/28/2005	22.87	--	--	--	5.93	16.94	16.94
HA-15	6/1/2005	22.87	--	--	--	6.06	16.81	16.81
HA-15	6/29/2005	22.87	--	--	--	7.53	15.34	15.34
HA-15	7/20/2005	22.87			DRY			Dry
HA-15	8/22/2005	22.87			DRY			Dry
HA-15	9/12/2005	22.87			DRY			Dry
HA-15	10/12/2005	22.87			DRY			Dry
HA-15	11/21/2005	22.87	--	--	--	7.65	15.22	15.22
HA-15	12/27/2005	22.87	--	--	--	6.63	16.24	16.24
HA-15	1/30/2006	22.87	--	--	--	3.40	19.47	19.47
HA-15	2/16/2006	22.87	--	--	--	4.91	17.96	17.96
HA-15	3/13/2006	22.87	--	--	--	5.88	16.99	16.99
HA-15	4/18/2006	22.87	--	--	--	6.29	16.58	16.58
HA-15	5/12/2006	22.87	--	--	--	6.67	16.20	16.20
HA-15	6/9/2006	22.87	--	--	--	6.26	16.61	16.61
HA-15	7/13/2006	22.87	--	--	--	7.40	15.47	15.47
HA-15	8/16/2006	22.87			DRY			Dry
HA-15	9/19/2006	22.87			DRY			Dry
HA-15	10/13/2006	22.87			DRY			Dry
HA-15	11/20/2006	22.87	--	--	--	4.87	18.00	18.00
HA-15	12/8/2006	22.87	--	--	--	4.53	18.34	18.34
HA-15	1/19/2007	22.87	--	--	--	4.21	18.66	18.66
HA-15	2/19/2007	22.87	--	--	--	6.55	16.32	16.32
HA-15	3/15/2007	22.87	--	--	--	5.30	17.57	17.57
HA-15	4/16/2007	22.87	--	--	--	5.83	17.04	17.04
HA-15	5/14/2007	22.87	--	--	--	7.30	15.57	15.57
HA-15	6/29/2007	22.87	--	--	--	7.83	15.04	15.04
HA-15	7/20/2007	22.87			DRY			Dry
HA-15	8/21/2007	22.87	--	--	--	7.85	15.02	15.02
HA-15	9/10/2007	22.87			DRY			Dry
HA-15	10/22/2007	22.87			DRY			Dry
HA-15	11/28/2007	22.87	--	--	--	7.62	15.25	15.25
HA-15	12/13/2007	22.87	--	--	--	6.53	16.34	16.34
HA-15	1/21/2008	22.87	--	--	--	6.46	16.41	16.41
HA-15	2/24/2008	22.87	--	--	--	6.95	15.92	15.92
HA-15	3/24/2008	22.87	--	--	--	7.24	15.63	15.63
HA-15	8/25/2008	22.87			DRY			Dry
HA-15	2/18/2009	22.87	--	--	--	7.35	15.52	15.52
HA-15	8/25/2009	22.87			DRY			Dry
HA-15	3/22/2010	22.87	--	--	--	6.26	16.61	16.61
HA-15	8/23/2010	22.87			DRY			Dry
HA-15	2/7/2011	22.87	--	--	--	5.90	16.97	--
HA-15	5/27/2011	22.87			Not Monitored			
HA-15	8/8/2011	22.87	--	--	--	6.30	16.57	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-15	11/14/2011	22.87			DRY			
HA-15	2/20/2012	22.87	--	--	--	5.41	17.46	--
HA-15	8/22/2012	22.87	--	--	--	7.81	15.06	--
HA-15	11/5/2012	22.87	--	--	--	7.84	15.03	--
HA-15	1/28/2013	22.87	--	--	--	5.26	17.61	--
HA-15	5/9/2013	22.87	--	--	--	6.58	16.29	--
HA-15	8/19/2013	22.87	--	--	--	7.84	15.03	--
HA-15	11/25/2013	22.87	--	--	--	6.68	16.19	--
HA-15	2/14/2014	22.87	--	--	--	6.23	16.64	--
HA-15	5/5/2014	22.87	--	--	--	5.20	17.67	--
HA-15	8/19/2014			Decomissioned Well				
HA-16	12/5/2002	22.07	7.60	14.47	0.05	7.65	14.46	--
HA-16	12/11/2002	22.07	7.40	14.67	0.68	8.08	14.50	--
HA-16	12/13/2002	22.07	7.33	14.74	0.96	8.29	14.50	14.50
HA-16	12/17/2002	22.07	6.67	15.40	1.54	8.21	15.02	15.01
HA-16	1/2/2003	22.07	5.60	16.47	0.22	5.82	16.42	16.58
HA-16	1/6/2003	22.07	5.08	16.99	0.02	5.10	16.99	17.00
HA-16	1/7/2003	22.07	5.05	17.02	0.02	5.07	17.02	17.03
HA-16	1/8/2003	22.07	4.95	17.12	0.03	4.98	17.11	17.14
HA-16	1/9/2003	22.07	4.92	17.15	0.02	4.94	17.15	17.16
HA-16	1/10/2003	22.07	4.94	17.13	0.02	4.96	17.13	17.14
HA-16	1/14/2003	22.07	3.09	18.98	2.03	5.12	18.47	20.00
HA-16	1/15/2003	22.07	5.00	17.07	0.05	5.05	17.06	17.10
HA-16	1/16/2003	22.07	4.92	17.15	0.04	4.96	17.14	17.17
HA-16	1/17/2003	22.07	4.95	17.12	0.02	4.97	17.12	17.13
HA-16	1/20/2003	22.07	4.98	17.09	0.04	5.02	17.08	17.11
HA-16	5/28/2003	22.07	7.35	14.72	0.77	8.12	14.53	15.11
HA-16	12/21/2004	22.07	--	--	--	5.23	16.84	16.84
HA-16	1/13/2005	22.07	--	--	--	6.10	15.97	15.97
HA-16	4/28/2005	22.07	--	--	--	5.40	16.67	16.67
HA-16	6/1/2005	22.07	--	--	--	5.66	16.41	16.41
HA-16	6/29/2005	22.07	--	--	--	7.14	14.93	14.93
HA-16	7/20/2005	22.07	7.77	14.30	0.01	7.78	14.30	14.31
HA-16	8/22/2005	22.07	--	--	--	8.00	14.07	14.07
HA-16	9/12/2005	22.07	--	--	--	8.58	13.49	13.49
HA-16	10/12/2005	22.07	--	--	--	9.29	12.78	12.78
HA-16	11/21/2005	22.07	--	--	--	6.99	15.08	15.08
HA-16	12/27/2005	22.07	--	--	--	6.14	15.93	15.93
HA-16	1/31/2006	22.07	2.75	19.32	0.01	2.76	19.32	19.33
HA-16	2/16/2006	22.07	--	--	--	4.26	17.81	17.81
HA-16	3/13/2006	22.07	--	--	--	5.25	16.82	16.82
HA-16	4/18/2006	22.07	--	--	--	5.71	16.36	16.36
HA-16	5/12/2006	22.07	--	--	--	6.10	15.97	15.97
HA-16	6/9/2006	22.07	--	--	--	5.75	16.32	16.32
HA-16	7/13/2006	22.07	--	--	--	7.00	15.07	15.07
HA-16	8/16/2006	22.07	--	--	--	8.00	14.07	14.07
HA-16	9/19/2006	22.07	--	--	--	8.60	13.47	13.47
HA-16	10/13/2006	22.07	--	--	--	8.36	13.71	13.71
HA-16	11/20/2006	22.07	--	--	--	4.42	17.65	17.65
HA-16	12/8/2006	22.07	--	--	--	3.96	18.11	18.11
HA-16	1/19/2007	22.07	--	--	--	3.66	18.41	18.41
HA-16	2/19/2007	22.07	--	--	--	5.84	16.23	16.23
HA-16	3/15/2007	22.07	--	--	--	4.60	17.47	17.47
HA-16	4/16/2007	22.07	--	--	--	5.13	16.94	16.94
HA-16	5/14/2007	22.07	--	--	--	6.70	15.37	15.37
HA-16	6/29/2007	22.07	--	--	--	7.91	14.16	14.16
HA-16	7/20/2007	22.07	--	--	--	8.37	13.70	13.70
HA-16	8/21/2007	22.07	--	--	--	9.05	13.02	13.02
HA-16	9/10/2007	22.07	--	--	--	9.11	12.96	12.96
HA-16	10/22/2007	22.07	--	--	--	7.95	14.12	14.12
HA-16	11/28/2007	22.07	--	--	--	7.20	14.87	14.87
HA-16	12/13/2007	22.07	5.77	16.30	0.01	5.78	16.30	16.31
HA-16	1/21/2008	22.07	--	--	--	5.75	16.32	16.32
HA-16	2/24/2008	22.07	--	--	--	6.32	15.75	15.75
HA-16	3/24/2008	22.07	--	--	--	6.65	15.42	15.42
HA-16	8/25/2008	22.07	--	--	--	8.60	13.47	13.47
HA-16	2/18/2009	22.07	--	--	--	6.64	15.43	15.43
HA-16	8/25/2009	22.07	--	--	--	9.87	12.20	12.20
HA-16	3/22/2010	22.07	--	--	--	5.53	16.54	16.54
HA-16	8/23/2010	22.07	--	--	--	8.08	13.99	13.99
HA-16	2/7/2011	22.07	--	--	--	5.18	16.89	--
HA-16	5/27/2011	22.07	--	--	--	6.08	15.99	--
HA-16	8/8/2011	22.07	--	--	--	8.15	13.92	--
HA-16	11/14/2011	22.07	--	--	--	7.85	14.22	--
HA-16	2/20/2012	22.07	--	--	--	4.61	17.46	--
HA-16	8/22/2012	22.07	--	--	--	7.85	14.22	--
HA-16	11/5/2012	22.07	--	--	--	7.17	14.90	--
HA-16	1/28/2013	22.07	--	--	--	4.73	17.34	--
HA-16	5/9/2013	22.07	--	--	--	5.89	16.18	--
HA-16	8/19/2013	22.07	--	--	--	8.64	13.43	--
HA-16	11/25/2013	22.07	--	--	--	6.10	15.97	--
HA-16	2/14/2014	22.07	--	--	--	5.54	16.53	--
HA-16	5/5/2014	22.07	--	--	--	3.94	18.13	--
HA-16	8/19/2014			Decomissioned Well				
HA-17	8/11/2003	21.92			DRY			
HA-17	3/15/2004	21.92	--	--	--	6.66	15.26	Dry
HA-17	9/21/2004	21.92	--	--	--	7.75	14.17	15.26
HA-17	12/21/2004	21.92	--	--	--	5.07	16.85	14.17
HA-17	1/13/2005	21.92	--	--	--	5.85	16.07	16.07
HA-17	4/28/2005	21.92	--	--	--	4.85	17.07	17.07
HA-17	6/1/2005	21.92	--	--	--	5.09	16.83	16.83
HA-17	6/29/2005	21.92	--	--	--	6.97	14.95	14.95
HA-17	7/20/2005	21.92	--	--	--	7.63	14.29	14.29
HA-17	8/22/2005	21.92	--	--	--	7.82	14.10	14.10
HA-17	9/12/2005	21.92			DRY			Dry
HA-17	10/12/2005	21.92			DRY			Dry
HA-17	11/21/2005	21.92	--	--	--	6.43	15.49	15.49
HA-17	12/27/2005	21.92	--	--	--	5.10	16.82	16.82
HA-17	1/30/2006	21.92	--	--	--	2.81	19.11	19.11
HA-17	2/16/2006	21.92	--	3.68	0.01	3.69	18.24	18.25
HA-17	3/13/2006	21.92	--	--	--	4.63	17.29	17.29
HA-17	4/18/2006	21.92	--	--	--	5.00	16.92	16.92

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-17	5/12/2006	21.92	--	--	--	5.54	16.38	16.38
HA-17	6/9/2006	21.92	--	--	--	4.97	16.95	16.95
HA-17	7/13/2006	21.92	--	--	--	9.50	12.42	12.42
HA-17	8/16/2006	21.92	--	--	--	7.50	14.42	14.42
HA-17	9/19/2006	21.92			DRY			Dry
HA-17	10/13/2006	21.92			DRY			Dry
HA-17	11/20/2006	21.92	--	--	--	4.12	17.80	17.80
HA-17	12/8/2006	21.92	--	--	--	3.48	18.44	18.44
HA-17	1/19/2007	21.92	--	--	--	3.02	18.90	18.90
HA-17	2/19/2007	21.92	--	--	--	5.85	16.07	16.07
HA-17	3/15/2007	21.92	--	--	--	3.97	17.95	17.95
HA-17	4/16/2007	21.92	--	--	--	4.51	17.41	17.41
HA-17	5/14/2007	21.92	--	--	--	6.71	15.21	15.21
HA-17	6/29/2007	21.92	--	--	--	7.58	14.34	14.34
HA-17	7/20/2007	21.92			DRY			Dry
HA-17	8/21/2007	21.92			DRY			Dry
HA-17	9/10/2007	21.92			DRY			Dry
HA-17	10/22/2007	21.82	--	--	--	7.36	14.46	14.46
HA-17	11/28/2007	21.82	--	--	--	6.95	14.87	14.87
HA-17	12/13/2007	21.82	--	--	--	5.89	15.93	15.93
HA-17	1/21/2008	21.82	--	--	--	5.45	16.37	16.37
HA-17	2/24/2008	21.82	--	--	--	6.09	15.73	15.73
HA-17	3/24/2008	21.82	--	--	--	6.41	15.41	15.41
HA-17	8/25/2008	21.82			DRY			Dry
HA-17	2/18/2009	21.82	--	--	--	6.68	15.14	15.14
HA-17	8/25/2009	21.82	--	--	--	8.10	13.72	13.72
HA-17	3/22/2010	21.82	--	--	--	4.92	16.90	16.90
HA-17	8/23/2010	21.82			DRY			Dry
HA-17	2/7/2011	21.82	--	--	--	4.89	16.93	--
HA-17	5/27/2011	21.82			Not Monitored			
HA-17	8/8/2011	21.82			Dry			
HA-17	11/14/2011	21.82	--	--	--	7.69	14.13	--
HA-17	2/20/2012	21.82	--	--	--	4.91	16.91	--
HA-17	8/22/2012	21.82	--	--	--	7.61	14.21	--
HA-17	11/5/2012	21.82	--	--	--	7.31	14.51	--
HA-17	1/28/2013	21.82	--	--	--	4.33	17.49	--
HA-17	5/9/2013	21.82	--	--	--	6.00	15.82	--
HA-17	8/19/2013	21.82			DRY			
HA-17	11/25/2013	21.82	--	--	--	6.46	15.36	--
HA-17	2/14/2014	21.82	--	--	--	5.27	16.55	--
HA-17	5/5/2014	21.82	--	--	--	4.68	17.14	--
HA-17	8/19/2014				Decomissioned Well			
HA-18	8/11/2003	21.51			DRY			
HA-18	3/15/2004	21.51	6.47	15.04	0.00	6.47	15.04	Dry
HA-18	12/21/2004	21.51	--	--	--	4.98	16.53	15.04
HA-18	1/13/2005	21.51	--	--	--	5.61	15.90	16.53
HA-18	4/28/2005	21.51	--	--	--	4.79	16.72	16.72
HA-18	6/1/2005	21.51	--	--	--	5.00	16.51	16.51
HA-18	6/29/2005	21.51	--	--	--	6.76	14.75	14.75
HA-18	7/20/2005	21.51	--	--	--	7.46	14.05	14.05
HA-18	8/22/2005	21.51	--	--	--	7.45	14.06	14.06
HA-18	9/12/2005	21.51	--	--	--	7.80	13.71	13.71
HA-18	10/12/2005	21.51			DRY			Dry
HA-18	11/21/2005	21.51	--	--	--	7.00	14.51	14.51
HA-18	12/27/2005	21.51	--	--	--	5.88	15.63	15.63
HA-18	1/30/2006	21.51	--	--	--	2.52	18.99	18.99
HA-18	2/16/2006	21.51	--	--	--	3.59	17.92	17.92
HA-18	3/13/2006	21.51	--	--	--	4.52	16.99	16.99
HA-18	4/18/2006	21.51	--	--	--	5.11	16.40	16.40
HA-18	5/12/2006	21.51	--	--	--	5.39	16.12	16.12
HA-18	6/9/2006	21.51	--	--	--	5.15	16.36	16.36
HA-18	7/13/2006	21.51	--	--	--	6.21	15.30	15.30
HA-18	8/16/2006	21.51	--	--	--	7.21	14.30	14.30
HA-18	9/19/2006	21.51			DRY			Dry
HA-18	10/13/2006	21.51	--	--	--	7.75	13.76	13.76
HA-18	11/20/2006	21.51	--	--	--	4.47	17.04	17.04
HA-18	12/8/2006	21.51	--	--	--	3.58	17.93	17.93
HA-18	1/19/2007	21.51	--	--	--	3.15	18.36	18.36
HA-18	2/19/2007	21.51	--	--	--	5.84	15.67	15.67
HA-18	3/15/2007	21.51	--	--	--	4.32	17.19	17.19
HA-18	4/16/2007	21.51	--	--	--	4.43	17.08	17.08
HA-18	5/14/2007	21.51	--	--	--	6.45	15.06	15.06
HA-18	6/29/2007	21.51	--	--	--	7.27	14.24	14.24
HA-18	7/20/2007	21.51	--	--	--	7.87	13.64	13.64
HA-18	8/21/2007	21.51			DRY			Dry
HA-18	9/10/2007	21.51			DRY			Dry
HA-18	10/22/2007	21.51			DRY			Dry
HA-18	11/28/2007	21.51	--	--	--	6.92	14.59	14.59
HA-18	12/13/2007	21.51	--	--	--	5.86	15.65	15.65
HA-18	1/21/2008	21.51	--	--	--	5.62	15.89	15.89
HA-18	2/24/2008	21.51	--	--	--	4.36	17.15	17.15
HA-18	3/24/2008	21.51	--	--	--	6.29	15.22	15.22
HA-18	8/25/2008	21.51	--	--	--	8.07	13.44	13.44
HA-18	2/18/2009	21.51	--	--	--	6.32	15.19	15.19
HA-18	8/25/2009	21.51			DRY			0.00
HA-18	3/22/2010	21.51	--	--	--	4.81	16.70	16.70
HA-18	8/23/2010	21.51	--	--	--	7.26	14.25	14.25
HA-18	2/7/2011	21.51	--	--	--	4.99	16.52	--
HA-18	5/27/2011	21.51			Not Monitored			
HA-18	8/8/2011	21.51	--	--	--	7.76	13.75	--
HA-18	11/14/2011	21.51	--	--	--	7.58	13.93	--
HA-18	2/20/2012	21.51	--	--	--	5.24	16.27	--
HA-18	11/5/2012	21.51	--	--	--	7.74	13.77	--
HA-18	1/28/2013	21.51	--	--	--	4.34	17.17	--
HA-18	8/19/2013	21.51	--	--	--	8.00	13.51	--
HA-18	11/25/2013	21.51	--	--	--	6.22	15.29	--
HA-18	2/14/2014	21.51	--	--	--	5.50	16.01	--
HA-18	5/5/2014	21.51	--	--	--	4.74	16.77	--
HA-18	8/19/2014				Decomissioned Well			
HA-19	4/2/2003	22.92	--	--	--	4.61	18.31	--
HA-19	4/4/2003	22.92	7.10	--	--	7.13	15.79	18.31
HA-19	4/8/2003	22.92	6.61			6.62	16.31	15.79

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-19	4/11/2003	22.92	5.69	17.23	0.00	5.69	17.23	16.31
HA-19	4/15/2003	22.92	--	--	--	4.26	18.66	18.66
HA-19	4/17/2003	22.92	--	--	--	5.62	17.30	17.30
HA-19	4/22/2003	22.92	7.21	15.71	0.01	7.22	15.71	15.72
HA-19	4/25/2003	22.92	7.23	15.69	0.00	7.23	15.69	15.69
HA-19	5/2/2003	22.92	--	--	--	7.87	15.05	15.05
HA-19	5/6/2003	22.92	--	--	--	7.80	15.12	15.12
HA-19	5/9/2003	22.92	--	--	--	8.00	14.92	14.92
HA-19	5/23/2003	22.92			DRY			Dry
HA-19	5/28/2003	22.92			DRY			Dry
HA-19	6/13/2003	22.92			DRY			Dry
HA-19	6/18/2003	22.92			DRY			Dry
HA-19	6/27/2003	22.92			DRY			Dry
HA-19	7/7/2003	22.92			DRY			Dry
HA-19	7/16/2003	22.92			DRY			Dry
HA-19	7/31/2003	22.92			DRY			Dry
HA-19	8/5/2003	22.92			DRY			Dry
HA-19	8/11/2003	22.92			DRY			Dry
HA-19	8/22/2003	22.92			DRY			Dry
HA-19	8/26/2003	22.92			DRY			Dry
HA-19	9/2/2003	22.92			DRY			Dry
HA-19	9/9/2003	22.92			DRY			Dry
HA-19	9/19/2003	22.92			DRY			Dry
HA-19	10/14/2003	22.92			DRY			Dry
HA-19	11/20/2003	22.92	--	--	--	4.74	18.18	18.18
HA-19	12/3/2003	22.92	--	--	--	5.35	17.57	17.57
HA-19	1/19/2004	22.92	5.51	17.41	0.005	5.52	17.41	17.41
HA-19	2/24/2004	22.92	7.18	15.74	0.005	7.19	15.74	15.74
HA-19	3/15/2004	22.92	--	--	--	7.94	14.98	14.98
HA-19	4/19/2004	22.92	--	--	--	8.01	14.91	14.91
HA-19	5/17/2004	22.92			DRY			0.00
HA-19	6/22/2004	22.92			DRY			0.00
HA-19	8/18/2004	22.92			DRY			0.00
HA-19	9/21/2004	22.92	--	--	--	6.85	16.07	16.07
HA-19	10/19/2004	22.92	--	--	--	4.21	18.71	18.71
HA-19	11/23/2004	22.92			DRY			0.00
HA-19	12/21/2004	22.92	--	--	--	5.13	17.79	17.79
HA-19	1/13/2005	22.92	--	--	--	7.35	15.57	15.57
HA-19	4/28/2005	22.92	--	--	--	6.97	15.95	15.95
HA-19	6/1/2005	22.92	--	--	--	7.39	15.53	15.53
HA-19	6/29/2005	22.92			DRY			Dry
HA-19	7/20/2005	22.92			DRY			Dry
HA-19	8/22/2005	22.92			DRY			Dry
HA-19	9/12/2005	22.92			DRY			Dry
HA-19	10/12/2005	22.92			DRY			Dry
HA-19	11/21/2005	22.92	--	--	--	8.81	14.11	14.11
HA-19	12/27/2005	22.92	--	--	--	4.17	18.75	18.75
HA-19	1/30/2006	22.92	--	--	--	4.14	18.78	18.78
HA-19	2/16/2006	22.92	--	--	--	6.13	16.79	16.79
HA-19	3/13/2006	22.92	--	--	--	7.16	15.76	15.76
HA-19	4/18/2006	22.92	--	--	--	6.68	16.24	16.24
HA-19	5/12/2006	22.92	--	--	--	7.79	15.13	15.13
HA-19	6/9/2006	22.92	--	--	--	7.33	15.59	15.59
HA-19	7/13/2006	22.92	--	--	--	8.00	14.92	14.92
HA-19	8/16/2006	22.92			DRY			Dry
HA-19	9/19/2006	22.92			DRY			Dry
HA-19	10/16/2006	22.92			DRY			Dry
HA-19	11/20/2006	22.92	--	--	--	4.40	18.52	18.52
HA-19	12/8/2006	22.92	--	--	--	5.54	17.38	17.38
HA-19	1/19/2007	22.92	--	--	--	5.20	17.72	17.72
HA-19	2/19/2007	22.92	--	--	--	7.20	15.72	15.72
HA-19	3/15/2007	22.92	--	--	--	6.09	16.83	16.83
HA-19	4/16/2007	22.92	--	--	--	6.99	15.93	15.93
HA-19	5/14/2007	22.92			DRY			Dry
HA-19	6/29/2007	22.92			DRY			Dry
HA-19	7/20/2007	22.92			DRY			Dry
HA-19	8/21/2007	22.92			DRY			Dry
HA-19	9/10/2007	22.92			DRY			Dry
HA-19	10/22/2007	22.92	--	--	--	3.99	18.93	18.93
HA-19	11/28/2007	22.92	--	--	--	5.71	17.21	17.21
HA-19	12/13/2007	22.92	--	--	--	4.60	18.32	18.32
HA-19	1/21/2008	22.92	--	--	--	6.37	16.55	16.55
HA-19	2/24/2008	22.92	--	--	--	7.41	15.51	15.51
HA-19	3/24/2008	22.92	--	--	--	4.37	18.55	18.55
HA-19	8/25/2008	22.92	--	--	--	6.02	16.90	16.90
HA-19	2/18/2009	22.92	--	--	--	7.75	15.17	15.17
HA-19	8/25/2009	22.92			DRY			Dry
HA-19	3/22/2010	22.92	--	--	--	7.48	15.44	15.44
HA-19	8/23/2010	22.92			DRY			Dry
HA-19	2/7/2011	22.92	--	--	--	6.55	16.37	--
HA-19	2/7/2011	22.92	--	--	--	7.10	15.82	--
HA-19	8/8/2011	22.92			Dry			
HA-19	11/14/2011	22.92	--	--	--	7.23	15.69	--
HA-19	2/20/2012	22.92	--	--	--	5.58	17.34	--
HA-19	8/22/2012	22.92	--	--	--	Dry	--	--
HA-19	11/5/2012	22.92	--	--	--	4.92	18.00	--
HA-19	1/28/2013	22.92	--	--	--	6.46	16.46	--
HA-19	5/9/2013	22.92	--	--	--	7.34	15.58	--
HA-19	8/19/2013	22.92			DRY			
HA-19	11/25/2013	22.92	--	--	--	6.12	16.80	--
HA-19	2/14/2014	22.92	--	--	--	3.67	19.25	--
HA-19	5/5/2014	22.92	--	--	--	4.51	18.41	--
HA-19	8/19/2014	22.92			DRY			
HA-19	11/21/2014	22.92	--	--	--	7.03	15.89	--
HA-20	11/24/2002	23.10	--	--	--	7.49	15.61	15.61
HA-20	11/27/2002	23.10	6.46	16.64	3.51	9.97	15.76	18.40
HA-20	12/5/2002	23.10	6.25	16.85	3.57	9.82	15.96	18.64
HA-20	12/11/2002	23.10	6.25	16.85	3.48	9.73	15.98	18.59
HA-20	12/13/2002	23.10	6.12	16.98	3.55	9.67	16.09	18.76
HA-20	12/17/2002	23.10	5.29	17.81	4.20	9.49	16.76	19.91
HA-20	1/3/2003	23.10	3.26	19.84	4.39	7.65	18.74	22.04
HA-20	1/6/2003	23.10	3.83	19.27	3.10	6.93	18.50	20.82
HA-20	1/7/2003	23.10	4.45	18.65	1.16	5.61	18.36	19.23

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-20	1/8/2003	23.10	4.22	18.88	1.57	5.79	18.49	19.67
HA-20	1/9/2003	23.10	3.97	19.13	3.11	7.08	18.35	20.69
HA-20	1/10/2003	23.10	4.04	19.06	3.24	7.28	18.25	20.68
HA-20	1/13/2003	23.10	4.75	18.35	0.92	5.67	18.12	18.81
HA-20	1/14/2003	23.10	4.15	18.95	3.47	7.62	18.08	20.69
HA-20	1/15/2003	23.10	4.05	19.05	3.10	7.15	18.28	20.60
HA-20	1/16/2003	23.10	4.15	18.95	2.90	7.05	18.23	20.40
HA-20	1/17/2003	23.10	4.18	18.92	2.82	7.00	18.22	20.33
HA-20	1/20/2003	23.10	4.15	18.95	3.09	7.24	18.18	20.50
HA-20	1/22/2003	23.10	3.30	19.80	6.50	9.80	18.18	23.05
HA-20	1/23/2003	23.10	4.80	18.30	3.78	8.58	17.36	20.19
HA-20	1/24/2003	23.10	4.55	18.55	3.66	8.21	17.64	20.38
HA-20	1/27/2003	23.10	3.68	19.42	2.96	6.64	18.68	20.90
HA-20	1/28/2003	23.10	3.82	19.28	3.68	7.50	18.36	21.12
HA-20	1/29/2003	23.10	4.05	19.05	4.44	8.49	17.94	21.27
HA-20	1/30/2003	23.10	4.26	18.84	4.06	8.32	17.83	20.87
HA-20	2/3/2003	23.10	4.33	18.77	3.17	7.50	17.98	20.36
HA-20	2/6/2003	23.10	4.59	18.51	1.80	6.39	18.06	19.41
HA-20	2/11/2003	23.10	6.18	16.92	2.39	8.57	16.32	18.12
HA-20	2/18/2003	23.10	7.40	15.70	0.88	8.28	15.48	16.14
HA-20	2/21/2003	23.10	7.34	15.76	0.73	8.07	15.58	16.13
HA-20	2/26/2003	23.10	6.09	17.01	0.11	6.20	16.98	17.07
HA-20	3/4/2003	23.10	7.47	15.63	1.87	9.34	15.16	16.57
HA-20	3/12/2003	23.10	7.05	16.05	2.63	9.68	15.39	17.37
HA-20	3/14/2003	23.10	7.14	15.96	2.27	9.41	15.39	17.10
HA-20	3/26/2003	23.10	5.64	17.46	3.93	9.57	16.48	19.43
HA-20	3/28/2003	23.10	6.91	16.19	2.50	9.41	15.57	17.44
HA-20	4/2/2003	23.10	6.47	16.63	2.65	9.12	15.97	17.96
HA-20	4/4/2003	23.10	7.01	16.09	2.13	9.14	15.56	17.16
HA-20	4/8/2003	23.10	7.16	15.94	1.49	8.65	15.57	16.69
HA-20	4/11/2003	23.10	7.21	15.89	1.66	8.87	15.48	16.72
HA-20	4/15/2003	23.10	6.91	16.19	0.40	7.31	16.09	16.39
HA-20	4/17/2003	23.10	7.71	15.39	1.00	8.71	15.14	15.89
HA-20	4/22/2003	23.10	7.28	15.82	1.39	8.67	15.47	16.52
HA-20	4/25/2003	23.10	7.72	15.38	1.24	8.96	15.07	16.00
HA-20	5/2/2003	23.10	7.46	15.64	2.41	9.87	15.04	16.85
HA-20	5/6/2003	23.10	7.38	15.72	2.49	9.87	15.10	16.97
HA-20	5/9/2003	23.10	8.05	15.05	1.95	10.00	14.56	16.03
HA-20	5/23/2003	23.10	8.69	14.41	1.76	10.45	13.97	15.29
HA-20	5/28/2003	23.10	8.50	14.60	1.49	9.99	14.23	15.35
HA-20	6/13/2003	23.10	8.75	14.35	1.46	10.21	13.99	15.08
HA-20	6/18/2003	23.10	8.68	14.42	1.57	10.25	14.03	15.21
HA-20	6/27/2003	23.10	8.70	14.40	1.64	10.34	13.99	15.22
HA-20	7/7/2003	23.10	9.64	13.46	0.73	10.37	13.28	13.83
HA-20	7/16/2003	23.10	9.11	13.99	1.43	10.54	13.63	14.71
HA-20	7/31/2003	23.10	9.40	13.70	1.48	10.88	13.33	14.44
HA-20	8/5/2003	23.10	9.50	13.60	1.25	10.75	13.29	14.23
HA-20	8/11/2003	23.10	10.65	12.45	1.37	12.02	12.11	13.14
HA-20	8/22/2003	23.10	10.91	12.19	1.29	12.20	11.87	12.84
HA-20	8/26/2003	23.10	--	--	--	9.81	13.29	13.29
HA-20	9/2/2003	23.10	9.94	13.16	1.33	11.27	12.83	13.83
HA-20	9/9/2003	23.10	10.40	12.70	0.36	10.76	12.61	12.88
HA-20	9/19/2003	23.10	10.38	12.72	0.24	10.62	12.66	12.84
HA-20	10/14/2003	23.10	10.26	12.84	0.75	11.01	12.65	13.22
HA-20	11/20/2003	23.10	--	--	--	7.20	15.90	15.90
HA-20	12/3/2003	23.10	--	--	--	6.21	16.89	16.89
HA-20	1/19/2004	23.10	--	--	--	5.84	17.26	17.26
HA-20	2/24/2004	23.10	--	--	--	7.46	15.64	15.64
HA-20	3/15/2004	23.10	--	--	--	8.44	14.66	14.66
HA-20	4/19/2004	23.10	--	--	--	8.51	14.59	14.59
HA-20	5/17/2004	23.10	--	--	--	8.99	14.11	14.11
HA-20	6/22/2004	23.10	--	--	--	8.83	14.27	14.27
HA-20	8/18/2004	23.10	--	--	--	10.02	13.08	13.08
HA-20	9/21/2004	23.10	--	--	--	9.03	14.07	14.07
HA-20	10/19/2004	23.10	--	--	--	8.17	14.93	14.93
HA-20	11/23/2004	23.10	--	--	--	8.44	14.66	14.66
HA-20	12/21/2004	23.10	--	--	--	6.50	16.60	16.60
HA-20	1/13/2005	23.10	--	--	--	7.35	15.75	15.75
HA-20	4/28/2005	23.10	--	--	--	6.80	16.30	16.30
HA-20	6/1/2005	23.10	--	--	--	7.10	16.00	16.00
HA-20	6/29/2005	23.10	--	--	--	9.72	13.38	13.38
HA-20	7/20/2005	23.10	--	--	--	9.92	13.18	13.18
HA-20	8/22/2005	23.10	--	--	--	9.10	14.00	14.00
HA-20	9/12/2005	23.10	--	--	--	9.73	13.37	13.37
HA-20	10/12/2005	23.10	--	--	--	10.26	12.84	12.84
HA-20	11/21/2005	23.10	--	--	--	8.09	15.01	15.01
HA-20	12/27/2005	23.10	--	--	--	7.20	15.90	15.90
HA-20	1/30/2006	23.10	--	--	--	4.50	18.60	18.60
HA-20	2/16/2006	23.10	6.23	16.87	0.01	6.24	16.87	16.88
HA-20	3/13/2006	23.10	--	--	--	7.14	15.96	15.96
HA-20	4/18/2006	23.10	--	--	--	7.40	15.70	15.70
HA-20	5/12/2006	23.10	--	--	--	7.69	15.41	15.41
HA-20	6/9/2006	23.10	--	--	--	7.38	15.72	15.72
HA-20	7/13/2006	23.10	--	--	--	8.37	14.73	14.73
HA-20	8/16/2006	23.10	--	--	--	9.13	13.97	13.97
HA-20	9/19/2006	23.10	--	--	--	9.75	13.35	13.35
HA-20	10/16/2006	23.10	--	--	--	9.55	13.55	13.55
HA-20	11/20/2006	23.10	--	--	--	5.70	17.40	17.40
HA-20	12/8/2006	23.10	--	--	--	5.71	17.39	17.39
HA-20	1/19/2007	23.10	--	--	--	5.42	17.68	17.68
HA-20	2/19/2007	23.10	--	--	--	7.20	15.90	15.90
HA-20	3/15/2007	23.10	--	--	--	6.37	16.73	16.73
HA-20	4/16/2007	23.10	--	--	--	6.78	16.32	16.32
HA-20	5/14/2007	23.10	--	--	--	8.00	15.10	15.10
HA-20	6/29/2007	23.10	--	--	--	9.11	13.99	13.99
HA-20	7/20/2007	23.10	--	--	--	9.46	13.64	13.64
HA-20	8/21/2007	23.10	--	--	--	10.09	13.01	13.01
HA-20	9/10/2007	23.10	--	--	--	10.13	12.97	12.97
HA-20	10/22/2007	23.10	--	--	--	9.04	14.06	14.06
HA-20	11/28/2007	23.10	--	--	--	8.30	14.80	14.80
HA-20	12/13/2007	23.10	--	--	--	7.10	16.00	16.00
HA-20	1/21/2008	23.10	--	--	--	7.31	15.79	15.79
HA-20	2/24/2008	23.10	--	--	--	7.83	15.27	15.27
HA-20	3/24/2008	23.10	--	--	--	8.08	15.02	15.02

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-20	8/25/2008	23.10	--	--	--	8.34	14.76	14.76
HA-20	2/18/2009	23.10	--	--	--	7.90	15.20	15.20
HA-20	8/25/2009	23.10	--	--	--	10.30	12.80	12.80
HA-20	3/22/2010	23.10	--	--	--	8.07	15.03	15.03
HA-20	8/23/2010	23.10	--	--	--	9.67	13.43	13.43
HA-20	2/7/2011	23.10	--	--	--	0.07	23.03	--
HA-20	5/27/2011	23.10	--	--	--	7.96	15.14	--
HA-20	8/8/2011	23.10	--	--	--	9.32	13.78	--
HA-20	11/14/2011	23.10	--	--	--	9.06	14.04	--
HA-20	2/20/2012	23.10	--	--	--	7.15	15.95	--
HA-20	8/22/2012	23.10	--	--	--	9.08	14.02	--
HA-20	11/5/2012	23.10	--	--	--	8.09	15.01	--
HA-20	1/28/2013	23.10	--	--	--	6.49	16.61	--
HA-20	5/9/2013	23.10	--	--	--	7.48	15.62	--
HA-20	8/19/2013	23.10	--	--	--	9.72	13.38	--
HA-20	11/25/2013	23.10	--	--	--	8.03	15.07	--
HA-20	2/14/2014	23.10	--	--	--	7.49	15.61	--
HA-20	5/5/2014	23.10	--	--	--	6.49	16.61	--
HA-20	8/19/2014			Decomissioned Well				
LAI-1	1/17/2003	20.94	--	--	--	4.17	16.77	--
LAI-1	1/20/2003	20.94	--	--	--	4.18	16.76	--
LAI-1	1/31/2003	20.94	--	--	--	4.28	16.66	16.77
LAI-1	2/7/2003	20.94	4.06	16.88	0.48	4.54	16.76	16.76
LAI-1	2/12/2003	20.94	4.38	16.56	1.08	5.46	16.29	17.10
LAI-1	2/18/2003	20.94	--	--	--	5.40	15.54	15.54
LAI-1	2/21/2003	20.94	--	--	--	5.52	15.42	15.42
LAI-1	2/24/2003	20.94	--	--	--	5.96	14.98	14.98
LAI-1	3/3/2003	20.94	--	--	--	5.76	15.18	15.18
LAI-1	3/12/2003	20.94	--	--	--	5.48	15.46	15.46
LAI-1	3/14/2003	20.94	--	--	--	5.09	15.85	15.85
LAI-1	3/26/2003	20.94	--	--	--	4.76	16.18	16.18
LAI-1	3/28/2003	20.94	--	--	--	4.86	16.08	16.08
LAI-1	4/2/2003	20.94	5.21	15.73	0.01	5.22	15.73	15.74
LAI-1	4/4/2003	20.94	5.19	15.75	0.01	5.20	15.75	15.76
LAI-1	4/8/2003	20.94	5.67	15.27	0.01	5.68	15.27	15.28
LAI-1	4/11/2003	20.94	5.07	15.87	0.01	5.08	15.87	15.88
LAI-1	4/15/2003	20.94	4.62	16.32	0.01	4.63	16.32	16.33
LAI-1	4/17/2003	20.94	6.14	14.80	0.01	6.15	14.80	14.81
LAI-1	4/22/2003	20.94	--	--	--	5.21	15.73	15.73
LAI-1	4/25/2003	20.94	--	--	--	5.43	15.51	15.51
LAI-1	5/2/2003	20.94	--	--	--	5.53	15.41	15.41
LAI-1	5/6/2003	20.94	--	--	--	5.66	15.28	15.28
LAI-1	5/9/2003	20.94	--	--	--	6.15	14.79	14.79
LAI-1	5/16/2003	20.94	--	--	--	6.40	14.54	14.54
LAI-1	5/23/2003	20.94	6.50	14.44	0.01	6.51	14.44	14.45
LAI-1	5/28/2003	20.94	6.45	14.49	0.01	6.46	14.49	14.50
LAI-1	6/13/2003	20.94	6.79	14.15	0.01	6.80	14.15	14.16
LAI-1	6/18/2003	20.94	--	--	--	6.78	14.16	14.16
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-1	9/10/2007	20.94	--	--	--	7.91	13.03	13.03
LAI-1	10/22/2007	20.94	--	--	--	6.84	14.10	14.10
LAI-1	11/28/2007	20.94	--	--	--	6.11	14.83	14.83
LAI-1	12/13/2007	20.94	--	--	--	4.96	15.98	15.98
LAI-1	1/21/2008	20.94	--	--	--	5.19	15.75	15.75
LAI-1	2/24/2008	20.94	--	--	--	5.66	15.28	15.28
LAI-1	3/24/2008	20.94	--	--	--	5.90	15.04	15.04
LAI-1	8/25/2008	20.94	--	--	--	7.45	13.49	13.49
LAI-1	2/18/2009	20.94	--	--	--	5.89	15.05	15.05
LAI-1	8/25/2009	20.94	--	--	--	8.10	12.84	12.84
LAI-1	3/22/2010	20.94	--	--	--	6.10	14.84	14.84
LAI-1	8/23/2010	20.94	--	--	--	7.52	13.42	13.42
LAI-1	2/7/2011	20.94	--	--	--	4.78	16.16	--
LAI-1	5/27/2011	20.94			Not Monitored			
LAI-1	8/8/2011	20.94	--	--	--	7.13	13.81	--
LAI-1	11/14/2011	20.94	--	--	--	8.50	12.44	--
LAI-1	2/20/2012	20.94	--	--	--	5.47	15.47	--
LAI-1	8/22/2012	20.94	--	--	--	6.91	14.03	--
LAI-1	11/5/2012	20.94	--	--	--	5.84	15.10	--
LAI-1	1/28/2013	20.94	--	--	--	4.59	16.35	--
LAI-1	5/9/2013	20.94	--	--	--	5.57	15.37	--
LAI-1	8/19/2013	20.94	--	--	--	7.55	13.39	--
LAI-1	11/25/2013	20.94	--	--	--	6.08	14.86	--
LAI-1	2/14/2014	20.94	--	--	--	5.62	15.32	--
LAI-1	5/5/2014	20.94	--	--	--	4.68	16.26	--
LAI-1	8/19/2014	20.94	--	--	--	7.33	13.61	--
LAI-1	11/21/2014	20.94	--	--	--	4.87	16.07	--
LAI-2	1/17/2003	20.89	--	--	--	4.14	16.75	--
LAI-2	1/20/2003	20.89	--	--	--	4.25	16.64	16.75
LAI-2	1/31/2003	20.89	--	--	--	4.55	16.34	16.64
LAI-2	2/7/2003	20.89	--	--	--	4.41	16.48	16.34
LAI-2	2/12/2003	20.89	--	--	--	4.71	16.18	16.18
LAI-2	2/18/2003	20.89	--	--	--	5.44	15.45	15.45
LAI-2	2/21/2003	20.89	--	--	--	5.61	15.28	15.28
LAI-2	2/24/2003	20.89	--	--	--	5.89	15.00	15.00
LAI-2	3/3/2003	20.89	--	--	--	5.17	15.72	15.72
LAI-2	3/12/2003	20.89	--	--	--	5.37	15.52	15.52
LAI-2	3/14/2003	20.89	--	--	--	5.24	15.65	15.65
LAI-2	3/26/2003	20.89	--	--	--	4.61	16.28	16.28
LAI-2	3/28/2003	20.89	--	--	--	4.72	16.17	16.17
LAI-2	4/2/2003	20.89	--	--	--	5.51	15.38	15.38
LAI-2	4/4/2003	20.89	--	--	--	5.48	15.41	15.41
LAI-2	4/8/2003	20.89	--	--	--	5.55	15.34	15.34
LAI-2	4/11/2003	20.89	--	--	--	5.19	15.70	15.70
LAI-2	4/15/2003	20.89	--	--	--	4.80	16.09	16.09
LAI-2	4/17/2003	20.89	--	--	--	5.96	14.93	14.93
LAI-2	4/22/2003	20.89	--	--	--	5.33	15.56	15.56
LAI-2	4/25/2003	20.89	--	--	--	5.49	15.40	15.40
LAI-2	5/2/2003	20.89	--	--	--	5.78	15.11	15.11
LAI-2	5/6/2003	20.89	--	--	--	5.42	15.47	15.47
LAI-2	5/9/2003	20.89	--	--	--	6.30	14.59	14.59
LAI-2	5/16/2003	20.89	--	--	--	6.54	14.35	14.35
LAI-2	5/23/2003	20.89	--	--	--	6.63	14.26	14.26
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-2	12/8/2006	20.67	--	--	--	6.14	14.53	14.53
LAIx-2	1/19/2007	20.67	--	--	--	5.75	14.92	14.92
LAIx-2	2/19/2007	20.67	--	--	--	7.51	13.16	13.16
LAIx-2	3/15/2007	20.67	--	--	--	6.50	14.17	14.17
LAIx-2	4/16/2007	20.67	--	--	--	7.14	13.53	13.53
LAIx-2	5/14/2007	20.67	--	--	--	8.17	12.50	12.50
LAIx-2	6/29/2007	20.67	--	--	--	8.86	11.81	11.81
LAIx-2	7/20/2007	20.67	--	--	--	9.13	11.54	11.54
LAIx-2	8/21/2007	20.67	--	--	--	9.30	11.37	11.37
LAIx-2	9/10/2007	20.67	--	--	--	9.18	11.49	11.49
LAIx-2	10/22/2007	20.67	--	--	--	7.30	13.37	13.37
LAIx-2	11/28/2007	20.67	--	--	--	6.72	13.95	13.95
LAIx-2	12/13/2007	20.67	--	--	--	4.96	15.71	15.71
LAIx-2	1/21/2008	20.67	--	--	--	5.24	15.43	15.43
LAIx-2	2/24/2008	20.67	--	--	--	5.94	14.73	14.73
LAIx-2	3/24/2008	20.67	--	--	--	6.37	14.30	14.30
LAIx-2	8/25/2008	20.67	--	--	--	7.96	12.71	12.71
LAIx-2	2/18/2009	20.67	--	--	--	6.04	14.63	14.63
LAIx-2	8/25/2009	20.67	--	--	--	8.78	11.89	11.89
LAIx-2	3/22/2010	20.67	--	--	--	6.42	14.25	14.25
LAIx-2	8/23/2010	20.67	--	--	--	8.20	12.47	12.47
LAIx-2	2/7/2011	20.67	--	--	--	4.80	15.87	--
LAIx-2	5/27/2011	20.67	--	--	--	6.65	14.02	--
LAIx-2	8/8/2011	20.67	--	--	--	7.41	13.26	--
LAIx-2	11/14/2011	20.67	--	--	--	6.94	13.73	--
LAIx-2	2/20/2012	20.67	--	--	--	5.54	15.13	--
LAIx-2	8/22/2012	20.67	--	--	--	6.94	13.73	--
LAIx-2	11/5/2012	20.67	--	--	--	5.65	15.02	--
LAIx-2	1/28/2013	20.67	--	--	--	4.64	16.03	--
LAIx-2	5/9/2013	20.67	--	--	--	8.38	12.29	--
LAIx-2	8/19/2013	20.67	--	--	--	10.60	10.07	--
LAIx-2	11/25/2013	20.67	--	--	--	7.92	12.75	--
LAIx-2	2/14/2014	20.67	--	--	--	7.42	13.25	--
LAIx-2	5/5/2014	20.67	--	--	--	6.19	14.48	--
LAIx-2	8/19/2014	20.67	--	--	--	9.12	11.55	--
LAIx-2	11/21/2014	20.67	--	--	--	6.89	13.78	--
LAI-3	1/17/2003	20.74	--	--	--	4.37	16.37	--
LAI-3	1/20/2003	20.74	--	--	--	4.28	16.46	16.37
LAI-3	1/31/2003	20.74	--	--	--	4.94	15.80	16.46
LAI-3	2/7/2003	20.74	--	--	--	4.41	16.33	15.80
LAI-3	2/12/2003	20.74	--	--	--	4.70	16.04	16.04
LAI-3	2/18/2003	20.74	--	--	--	5.21	15.53	15.53
LAI-3	2/21/2003	20.74	--	--	--	5.58	15.16	15.16
LAI-3	2/24/2003	20.74	--	--	--	5.66	15.08	15.08
LAI-3	3/3/2003	20.74	--	--	--	5.13	15.61	15.61
LAI-3	3/12/2003	20.74	--	--	--	5.32	15.42	15.42
LAI-3	3/14/2003	20.74	--	--	--	5.16	15.58	15.58
LAI-3	3/26/2003	20.74	--	--	--	4.65	16.09	16.09
LAI-3	3/28/2003	20.74	--	--	--	4.75	15.99	15.99
LAI-3	4/2/2003	20.74	--	--	--	5.57	15.17	15.17
LAI-3	4/4/2003	20.74	--	--	--	5.53	15.21	15.21
LAI-3	4/8/2003	20.74	--	--	--	5.69	15.05	15.05
LAI-3	4/11/2003	20.74	--	--	--	5.15	15.59	15.59
LAI-3	4/15/2003	20.74	--	--	--	4.75	15.99	15.99
LAI-3	4/17/2003	20.74	--	--	--	6.08	14.66	14.66
LAI-3	4/22/2003	20.74	--	--	--	5.27	15.47	15.47
LAI-3	4/25/2003	20.74	--	--	--	5.45	15.29	15.29
LAI-3	5/2/2003	20.74	--	--	--	5.76	14.98	14.98
LAI-3	5/6/2003	20.74	--	--	--	5.61	15.13	15.13
LAI-3	5/9/2003	20.74	--	--	--	6.30	14.44	14.44
LAI-3	5/16/2003	20.74	--	--	--	6.53	14.21	14.21
LAI-3	5/23/2003	20.74	--	--	--	6.57	14.17	14.17
LAI-3	5/28/2003	20.74	--	--	--	6.44	14.30	14.30
LAI-3	6/13/2003	20.74	--	--	--	6.85	13.89	13.89
LAI-3	6/18/2003	20.74	--	--	--	6.81	13.93	13.93
LAI-3	6/27/2003	20.74	--	--	--	6.83	13.91	13.91
LAI-3	7/7/2003	20.74	--	--	--	7.32	13.42	13.42
LAI-3	7/16/2003	20.74	--	--	--	6.47	14.27	14.27
LAI-3	7/31/2003	20.74	--	--	--	7.37	13.37	13.37
LAI-3	8/5/2003	20.74	--	--	--	7.49	13.25	13.25
LAI-3	8/11/2003	20.74	--	--	--	7.68	13.06	13.06
LAI-3	8/22/2003	20.74	--	--	--	8.74	12.00	12.00
LAI-3	8/26/2003	20.74	--	--	--	7.74	13.00	13.00
LAI-3	9/2/2003	20.74	--	--	--	8.03	12.71	12.71
LAI-3	9/9/2003	20.74	--	--	--	8.45	12.29	12.29
LAI-3	9/19/2003	20.74	--	--	--	8.10	12.64	12.64
LAI-3	10/14/2003	20.74	--	--	--	8.20	12.54	12.54
LAI-3	11/20/2003	20.74	--	--	--	4.77	15.97	15.97
LAI-3	12/3/2003	20.74	--	--	--	4.08	16.66	16.66
LAI-3	1/19/2004	20.74	--	--	--	3.55	17.19	17.19
LAI-3	2/24/2004	20.74	--	--	--	5.23	15.51	15.51
LAI-3	3/15/2004	20.74	--	--	--	6.20	14.54	14.54
LAI-3	4/19/2004	20.74	--	--	--	6.21	14.53	14.53
LAI-3	5/17/2004	20.74	--	--	--	6.66	14.08	14.08
LAI-3	6/22/2004	20.74	--	--	--	6.46	14.28	14.28
LAI-3	8/18/2004	20.74	--	--	--	7.76	12.98	12.98
LAI-3	9/21/2004	20.74	--	--	--	6.70	14.04	14.04
LAI-3	10/19/2004	20.74	--	--	--	5.82	14.92	14.92
LAI-3	11/23/2004	20.74	--	--	--	6.14	14.60	14.60
LAI-3	12/21/2004	20.74	--	--	--	4.22	16.52	16.52
LAI-3	1/13/2005	20.74	--	--	--	5.03	15.71	15.71
LAI-3	4/28/2005	20.74	--	--	--	4.55	16.19	16.19
LAI-3	6/1/2005	20.74	--	--	--	4.86	15.88	15.88
LAI-3	6/29/2005	20.74	--	--	--	6.69	14.05	14.05
LAI-3	7/20/2005	20.74	--	--	--	6.71	14.03	14.03
LAI-3	8/22/2005	20.74	--	--	--	6.82	13.92	13.92
LAI-3	5/27/2011	20.74			Not Monitored			
LAIx-3	9/12/2005	20.74	--	--	--	10.31	10.43	10.43
LAIx-3	10/12/2005	20.74	--	--	--	9.99	10.75	10.75
LAIx-3	11/21/2005	20.74	8.31	12.43	0.01	8.32	12.43	12.44
LAIx-3	12/27/2005	20.74	--	--	--	7.15	13.59	13.59
LAIx-3	1/30/2006	20.74	6.00	14.74	0.01	6.01	14.74	14.75

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Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-3	2/16/2006	20.74	--	--	--	7.85	12.89	12.89
LAIx-3	3/13/2006	20.74	--	--	--	8.18	12.56	12.56
LAIx-3	4/18/2006	20.74	--	--	--	8.36	12.38	12.38
LAIx-3	5/12/2006	20.74	--	--	--	8.87	11.87	11.87
LAIx-3	6/9/2006	20.74	--	--	--	8.65	12.09	12.09
LAIx-3	7/13/2006	20.74	--	--	--	9.90	10.84	10.84
LAIx-3	8/16/2006	20.74	--	--	--	10.63	10.11	10.11
LAIx-3	9/19/2006	20.74	--	--	--	10.25	10.49	10.49
LAIx-3	10/13/2006	20.74	--	--	--	10.28	10.46	10.46
LAIx-3	11/20/2006	20.74	--	--	--	7.14	13.60	13.60
LAIx-3	12/8/2006	20.74	--	--	--	7.84	12.90	12.90
LAIx-3	1/19/2007	20.74	--	--	--	7.61	13.13	13.13
LAIx-3	2/19/2007	20.74	--	--	--	7.86	12.88	12.88
LAIx-3	3/15/2007	20.74	--	--	--	7.34	13.40	13.40
LAIx-3	4/16/2007	20.74	--	--	--	7.86	12.88	12.88
LAIx-3	5/14/2007	20.74	--	--	--	8.61	12.13	12.13
LAIx-3	6/29/2007	20.74	--	--	--	9.27	11.47	11.47
LAIx-3	7/20/2007	20.74	--	--	--	9.59	11.15	11.15
LAIx-3	8/21/2007	20.74	--	--	--	9.80	10.94	10.94
LAIx-3	9/10/2007	20.74	--	--	--	9.92	10.82	10.82
LAIx-3	10/22/2007	20.74	--	--	--	8.48	12.26	12.26
LAIx-3	11/28/2007	20.74	--	--	--	8.10	12.64	12.64
LAIx-3	12/13/2007	20.74	--	--	--	6.13	14.61	14.61
LAIx-3	1/21/2008	20.74	--	--	--	6.73	14.01	14.01
LAIx-3	2/24/2008	20.74	--	--	--	7.31	13.43	13.43
LAIx-3	3/24/2008	20.74	--	--	--	7.45	13.29	13.29
LAIx-3	8/25/2008	20.74	--	--	--	9.91	10.83	10.83
LAIx-3	2/18/2009	20.74	--	--	--	7.68	13.06	13.06
LAIx-3	8/25/2009	20.74	--	--	--	9.83	10.91	10.91
LAIx-3	3/22/2010	20.74	--	--	--	7.60	13.14	13.14
LAIx-3	8/23/2010	20.74	--	--	--	9.31	11.43	11.43
LAIx-3	2/7/2011	20.74	--	--	--	5.73	15.01	--
LAIx-3	5/27/2011	20.74			Not Monitored			
LAIx-3	8/8/2011	20.74	--	--	--	9.06	11.68	--
LAIx-3	11/14/2011	20.74	--	--	--	7.17	13.57	--
LAIx-3	2/20/2012	20.74	--	--	--	7.30	13.44	--
LAIx-3	8/22/2012	20.74	--	--	--	9.11	11.63	--
LAIx-3	11/5/2012	20.74	--	--	--	6.55	14.19	--
LAIx-3	1/28/2013	20.74	--	--	--	6.09	14.65	--
LAIx-3	5/9/2013	20.74	--	--	--	7.02	13.72	--
LAIx-3	8/19/2013	20.74	--	--	--	9.76	10.98	--
LAIx-3	11/25/2013	20.74	--	--	--	7.83	12.91	--
LAIx-3	2/14/2014	20.74	--	--	--	6.98	13.76	--
LAIx-3	5/5/2014	20.74	--	--	--	5.91	14.83	--
LAIx-3	8/19/2014	20.74	--	--	--	8.52	12.22	--
LAIx-3	11/21/2014	20.74	--	--	--	6.34	14.40	--
LAI-4	1/22/2003	22.43	6.87	15.56	0.43	7.30	15.45	--
LAI-4	1/23/2003	22.43	7.48	14.95	0.20	7.68	14.90	15.78
LAI-4	1/24/2003	22.43	6.72	15.71	0.67	7.39	15.54	15.05
LAI-4	1/27/2003	22.43	4.47	17.96	4.67	9.14	16.79	16.05
LAI-4	1/28/2003	22.43	4.97	17.46	4.43	9.40	16.35	19.68
LAI-4	1/29/2003	22.43	7.40	15.03	0.05	7.45	15.02	15.06
LAI-4	1/30/2003	22.43	7.88	14.55	0.06	7.94	14.54	14.58
LAI-4	2/3/2003	22.43	6.25	16.18	2.16	8.41	15.64	17.26
LAI-4	2/6/2003	23.88	6.28	17.60	1.04	7.32	17.34	18.12
LAI-4	2/11/2003	23.88	7.54	16.34	1.44	8.98	15.98	17.06
LAI-4	2/18/2003	23.88	9.28	14.60	0.17	9.45	14.56	14.69
LAI-4	2/21/2003	23.88	9.11	14.77	0.09	9.20	14.75	14.82
LAI-4	2/26/2003	23.88	8.37	15.51	1.35	9.72	15.17	16.19
LAI-4	3/3/2003	23.88	8.57	15.31	0.86	9.43	15.10	15.74
LAI-4	3/12/2003	23.88	8.80	15.08	0.14	8.94	15.05	15.15
LAI-4	3/14/2003	23.88	8.68	15.20	0.14	8.82	15.17	15.27
LAI-4	3/26/2003	23.88	--	--	--	9.06	14.82	14.82
LAI-4	3/28/2003	23.88	--	--	--	9.28	14.60	14.60
LAI-4	4/2/2003	23.88	8.21	15.67	0.08	8.29	15.65	15.71
LAI-4	4/4/2003	23.88	8.58	15.30	0.04	8.62	15.29	15.32
LAI-4	4/8/2003	23.88	8.51	15.37	0.13	8.64	15.34	15.44
LAI-4	4/11/2003	23.88	8.78	15.10	0.14	8.92	15.07	15.17
LAI-4	4/15/2003	23.88	7.86	16.02	0.95	8.81	15.78	16.50
LAI-4	4/17/2003	23.88	9.19	14.69	0.02	9.21	14.69	14.70
LAI-4	4/22/2003	23.88	6.61	17.27	0.19	6.80	17.22	17.37
LAI-4	4/25/2003	23.88	8.96	14.92	0.25	9.21	14.86	15.05
LAI-4	5/2/2003	23.88	9.06	14.82	0.10	9.16	14.80	14.87
LAI-4	5/6/2003	23.88	8.56	15.32	1.85	10.41	14.86	16.25
LAI-4	5/9/2003	23.88	10.96	12.92	0.02	10.98	12.92	12.93
LAI-4	5/23/2003	23.88	10.17	13.71	0.02	10.19	13.71	13.72
LAI-4	5/28/2003	23.88	9.81	14.07	0.03	9.84	14.06	14.09
LAI-4	6/13/2003	23.88	10.09	13.79	0.03	10.12	13.78	13.81
LAI-4	6/18/2003	23.88	10.05	13.83	0.08	10.13	13.81	13.87
LAI-4	6/27/2003	23.88	9.92	13.96	0.82	10.74	13.76	14.37
LAI-4	7/7/2003	23.88	10.27	13.61	1.44	11.71	13.25	14.33
LAI-4	7/16/2003	23.88	9.92	13.96	2.10	12.02	13.44	15.01
LAI-4	7/31/2003	23.88	10.58	13.30	1.12	11.70	13.02	13.86
LAI-4	8/5/2003	23.88	10.32	13.56	1.97	12.29	13.07	14.55
LAI-4	8/11/2003	23.88	11.70	12.18	1.09	12.79	11.91	12.73
LAI-4	8/22/2003	23.88	11.96	11.92	1.28	13.24	11.60	12.56
LAI-4	8/26/2003	23.88	11.09	12.79	1.15	12.24	12.50	13.37
LAI-4	9/2/2003	23.88	11.04	12.84	1.32	12.36	12.51	13.50
LAI-4	9/9/2003	23.88	11.10	12.78	2.16	13.26	12.24	13.86
LAI-4	9/19/2003	23.88	11.14	12.74	1.35	12.49	12.40	13.42
LAI-4	10/14/2003	23.88	11.21	12.67	1.59	12.80	12.27	13.47
LAI-4	11/20/2003	23.88	8.21	15.67	0.09	8.30	15.65	15.72
LAI-4	12/3/2003	23.88	7.12	16.76	1.06	8.18	16.50	17.29
LAI-4	1/19/2004	23.88	6.84	17.04	0.72	7.56	16.86	17.40
LAI-4	2/24/2004	23.88	8.25	15.63	0.65	8.90	15.47	15.96
LAI-4	3/15/2004	23.88	9.42	14.46	0.09	9.51	14.44	14.51
LAI-4	4/19/2004	23.88	9.19	14.69	0.01	9.20	14.69	14.70
LAI-4	5/17/2004	23.88	--	--	--	10.05	13.83	13.83
LAI-4	6/22/2004	23.88	--	--	--	9.98	13.90	13.90
LAI-4	8/18/2004	23.88	11.20	12.68	0.05	11.25	12.67	12.71
LAI-4	9/21/2004	23.88	--	--	--	10.05	13.83	13.83
LAI-4	10/19/2004	24.88	--	--	--	9.23	15.65	15.65
LAI-4	11/23/2004	24.88	--	--	--	9.45	15.43	15.43

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-4	12/21/2004	24.88	--	--	--	7.60	17.28	17.28
LAI-4	1/13/2005	24.88	--	--	--	8.37	16.51	16.51
LAI-4	4/28/2005	24.88	--	--	--	8.57	16.31	16.31
LAI-4	6/1/2005	24.88	--	--	--	8.15	16.73	16.73
LAI-4	6/29/2005	24.88	--	--	--	10.05	14.83	14.83
LAI-4	7/20/2005	24.88	--	--	--	10.45	14.43	14.43
LAI-4	8/22/2005	24.88	--	--	--	10.12	14.76	14.76
LAI-4	5/27/2011	24.88			Not Monitored			
LAIx-4	9/12/2005	25.50	--	--	--	14.15	11.35	11.35
LAIx-4	10/12/2005	25.50	--	--	--	14.78	10.72	10.72
LAIx-4	11/21/2005	25.50	12.76	12.74	0.01	12.77	12.74	12.75
LAIx-4	12/27/2005	25.50	--	--	--	11.95	13.55	13.55
LAIx-4	1/30/2006	25.50	--	--	--	10.60	14.90	14.90
LAIx-4	2/16/2006	25.50	--	--	--	12.68	12.82	12.82
LAIx-4	3/13/2006	25.50	--	--	--	12.95	12.55	12.55
LAIx-4	4/18/2006	25.50	--	--	--	13.05	12.45	12.45
LAIx-4	5/12/2006	25.50	--	--	--	13.70	11.80	11.80
LAIx-4	6/9/2006	25.50	--	--	--	13.45	12.05	12.05
LAIx-4	7/13/2006	25.50	--	--	--	15.65	9.85	9.85
LAIx-4	8/16/2006	25.50	15.41	10.09	0.02	15.43	10.09	10.10
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-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
LAIx-5	3/13/2006	25.63	--	--	--	12.71	12.92	12.92
LAIx-5	4/18/2006	25.63	10.60	15.03	2.69	13.29	14.36	16.38
LAIx-5	5/12/2006	25.63	11.10	14.53	3.33	14.43	13.70	16.20
LAIx-5	6/9/2006	25.63	12.54	13.09	0.01	12.55	13.09	13.10
LAIx-5	7/13/2006	25.63	13.10	12.53	0.15	13.25	12.49	12.61
LAIx-5	8/16/2006	25.63	--	--	--	13.80	11.83	11.83
LAIx-5	9/19/2006	25.63	--	--	--	14.35	11.28	11.28
LAIx-5	10/13/2006	25.63	--	--	--	13.80	11.83	11.83
LAIx-5	11/20/2006	25.63	9.82	15.81	0.27	10.09	15.74	15.95
LAIx-5	12/8/2006	25.63	9.92	15.71	0.80	10.72	15.51	16.11
LAIx-5	1/19/2007	25.63	8.94	16.69	1.31	10.25	16.36	17.35
LAIx-5	2/19/2007	25.63	10.04	15.59	0.25	10.29	15.53	15.72
LAIx-5	3/15/2007	25.63	9.29	16.34	0.25	9.54	16.28	16.47
LAIx-5	4/16/2007	25.63	10.46	15.17	0.16	10.62	15.13	15.25
LAIx-5	5/14/2007	25.63	11.63	14.00	0.02	11.65	14.00	14.01
LAIx-5	6/29/2007	25.63	--	--	--	11.88	13.75	13.75
LAIx-5	7/20/2007	25.63	--	--	--	12.59	13.04	13.04
LAIx-5	8/21/2007	25.63	--	--	--	13.18	12.45	12.45
LAIx-5	9/10/2007	25.63	--	--	--	15.47	10.16	10.16
LAIx-5	10/22/2007	25.63	--	--	--	11.95	13.68	13.68
LAIx-5	11/28/2007	25.63	--	--	--	11.37	14.26	14.26
LAIx-5	12/13/2007	25.63	10.82	14.81	0.13	10.95	14.78	14.88
LAIx-5	1/21/2008	25.63	--	--	--	11.68	13.95	13.95
LAIx-5	2/24/2008	25.63	--	--	--	10.13	15.50	15.50
LAIx-5	3/24/2008	25.63	--	--	--	11.11	14.52	14.52
LAIx-5	8/25/2008	25.63	--	--	--	12.30	13.33	13.33
LAIx-5	2/18/2009	25.63	--	--	--	10.65	14.98	14.98
LAIx-5	8/25/2009	25.63	--	--	--	12.92	12.71	12.71
LAIx-5	3/22/2010	25.63	10.79	14.84	0.01	10.80	14.84	14.86
LAIx-5	8/23/2010	25.63			DRY			--
LAIx-5	2/7/2011	25.63		9.80	0.05	9.85	15.82	--
LAIx-5	5/27/2011	25.63			Not Monitored			
LAIX-5	11/14/2016	25.63	--	--	--	8.83	16.80	--
LAIX-5	2/17/2017	25.63	--	--	--	7.82	17.81	18.08
LAIX-5	5/24/2017	25.63	--	--	--	8.83	16.80	18.34
LAIX-5	9/26/2017	25.63	--	--	--	11.46	14.17	18.54
LAIX-5	9/28/2017	--	--	--	--	--	--	--
LAIX-5	12/11/2017	25.63	--	--	--	7.02	18.61	--
LAIX-5	2/26/2018	25.63	--	--	--	7.87	17.76	--
LAIX-5	6/11/2018	25.63	--	--	--	10.99	14.64	--
LAIX-5	8/27/2018	25.63	--	--	--	11.78	13.85	--
LAIX-5	12/17/2018	25.63	--	--	--	7.18	18.45	--
LAI-6	1/22/2003	22.86	6.67	16.19	3.78	10.45	15.25	--
LAI-6	1/23/2003	22.86	6.45	16.41	3.85	10.30	15.45	--
LAI-6	1/24/2003	22.86	6.32	16.54	4.00	10.32	15.54	--
LAI-6	1/27/2003	22.86	5.68	17.18	3.37	9.05	16.34	18.87
LAI-6	1/28/2003	22.86	6.91	15.95	0.93	7.84	15.72	16.42
LAI-6	1/29/2003	22.86	6.51	16.35	2.53	9.04	15.72	17.62
LAI-6	1/30/2003	22.86	6.36	16.50	3.60	9.96	15.60	18.30
LAI-6	2/3/2003	22.86	6.27	16.59	3.69	9.96	15.67	18.44
LAI-6	2/6/2003	22.86	5.79	17.07	3.79	9.58	16.12	18.97
LAI-6	2/11/2003	22.86	6.03	16.83	3.61	9.64	15.93	18.64
LAI-6	2/18/2003	22.86	7.98	14.88	0.42	8.40	14.78	15.09
LAI-6	2/21/2003	22.86	7.57	15.29	0.54	8.11	15.16	15.56
LAI-6	2/26/2003	22.86	7.15	15.71	0.47	7.62	15.59	15.95
LAI-6	3/3/2003	22.86	8.01	14.85	0.45	8.46	14.74	15.08
LAI-6	3/12/2003	22.86	7.46	15.40	0.23	7.69	15.34	15.52
LAI-6	3/14/2003	22.86	7.72	15.14	0.19	7.91	15.09	15.24
LAI-6	3/26/2003	22.86	6.37	16.49	1.45	7.82	16.13	17.22
LAI-6	3/28/2003	22.86	7.10	15.76	1.65	8.75	15.35	16.59
LAI-6	4/2/2003	22.86	6.65	16.21	2.15	8.80	15.67	17.29
LAI-6	4/4/2003	22.86	7.06	15.80	1.74	8.80	15.37	16.67
LAI-6	4/8/2003	22.86	7.13	15.73	1.70	8.83	15.31	16.58
LAI-6	4/11/2003	22.86	7.22	15.64	0.88	8.10	15.42	16.08
LAI-6	4/15/2003	22.86	6.56	16.30	1.82	8.38	15.85	17.21
LAI-6	4/17/2003	22.86	7.61	15.25	1.74	9.35	14.82	16.12
LAI-6	4/22/2003	22.86	7.16	15.70	1.65	8.81	15.29	16.53
LAI-6	4/25/2003	22.86	7.70	15.16	0.83	8.53	14.95	15.58
LAI-6	5/2/2003	22.86	7.61	15.25	1.65	9.26	14.84	16.08
LAI-6	5/6/2003	22.86	8.45	14.41	0.99	9.44	14.16	14.91
LAI-6	5/9/2003	22.86	8.00	14.86	1.95	9.95	14.37	15.84
LAI-6	5/23/2003	22.86	8.41	14.45	2.00	10.41	13.95	15.45
LAI-6	5/28/2003	22.86	8.23	14.63	1.78	10.01	14.19	15.52
LAI-6	6/13/2003	22.86	8.50	14.36	2.11	10.61	13.83	15.42
LAI-6	6/18/2003	22.86	8.46	14.40	2.10	10.56	13.88	15.45
LAI-6	6/27/2003	22.86	9.91	12.95	0.77	10.68	12.76	13.34
LAI-6	7/7/2003	22.86	8.98	13.88	2.08	11.06	13.36	14.92
LAI-6	7/16/2003	22.86	8.75	14.11	2.20	10.95	13.56	15.21
LAI-6	7/31/2003	22.86	9.14	13.72	2.06	11.20	13.21	14.75
LAI-6	8/5/2003	22.86	9.15	13.71	2.01	11.16	13.21	14.72
LAI-6	8/11/2003	22.86	10.24	12.62	1.97	12.21	12.13	13.61
LAI-6	8/22/2003	22.86	10.45	12.41	1.90	12.35	11.94	13.36
LAI-6	8/26/2003	22.86	9.78	13.08	0.02	9.80	13.08	13.09
LAI-6	9/2/2003	22.86	10.13	12.73	0.90	11.03	12.51	13.18
LAI-6	9/9/2003	22.86	10.48	12.38	0.79	11.27	12.18	12.78
LAI-6	9/19/2003	22.86	10.44	12.42	0.61	11.05	12.27	12.73
LAI-6	10/14/2003	22.86	9.11	13.75	0.91	10.02	13.52	14.21

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-6	11/20/2003	22.86	7.22	15.64	0.01	7.23	15.64	15.65
LAI-6	12/3/2003	22.86	6.30	16.56	0.35	6.65	16.47	16.74
LAI-6	1/19/2004	22.86	5.85	17.01	0.71	6.56	16.83	17.37
LAI-6	2/24/2004	22.86	7.52	15.34	0.11	7.63	15.31	15.40
LAI-6	3/15/2004	22.86	8.32	14.54	0.50	8.82	14.42	14.79
LAI-6	4/19/2004	22.86	8.52	14.34	0.02	8.54	14.34	14.35
LAI-6	5/17/2004	22.86	9.05	13.81	0.03	9.08	13.80	13.83
LAI-6	6/22/2004	22.86	--	--	--	8.85	14.01	14.01
LAI-6	8/18/2004	22.86	--	--	--	10.08	12.78	12.78
LAI-6	9/21/2004	22.86	--	--	--	8.95	13.91	13.91
LAI-6	10/19/2004	22.86	--	--	--	8.08	14.78	14.78
LAI-6	11/23/2004	22.86	--	--	--	8.49	14.37	14.37
LAI-6	12/21/2004	22.86	--	--	--	6.55	16.31	16.31
LAI-6	1/13/2005	22.86	7.26	15.60	0.01	7.27	15.60	15.61
LAI-6	4/28/2005	22.86	--	--	--	7.05	15.81	15.81
LAI-6	6/1/2005	22.86	--	--	--	7.68	15.18	15.18
LAI-6	6/29/2005	22.86	--	--	--	9.20	13.66	13.66
LAI-6	7/20/2005	22.86	--	--	--	9.43	13.43	13.43
LAI-6	8/22/2005	22.86	--	--	--	9.47	13.39	13.39
LAI-6	5/27/2011	22.86			Not Monitored			
LAIx-6	9/12/2005	25.25	--	--	--	11.56	13.69	13.69
LAIx-6	10/12/2005	25.25	--	--	--	12.27	12.98	12.98
LAIx-6	11/21/2005	25.25	--	--	--	10.37	14.88	14.88
LAIx-6	12/27/2005	25.25	--	--	--	9.88	15.37	15.37
LAIx-6	12/21/2004	25.25	--	--	--	9.88	15.37	15.37
LAIx-6	1/30/2006	25.25	7.28	17.97	0.01	7.29	17.97	17.98
LAIx-6	2/16/2006	25.25	--	--	--	8.81	16.44	16.44
LAIx-6	3/13/2006	25.25	9.54	15.71	0.54	10.08	15.58	15.98
LAIx-6	4/18/2006	25.25	--	--	--	9.80	15.45	15.45
LAIx-6	5/12/2006	25.25	--	--	--	10.11	15.14	15.14
LAIx-6	6/9/2006	25.25	--	--	--	9.77	15.48	15.48
LAIx-6	7/13/2006	25.25	--	--	--	10.75	14.50	14.50
LAIx-6	8/16/2006	25.25	--	--	--	11.43	13.82	13.82
LAIx-6	9/19/2006	25.25	--	--	--	12.00	13.25	13.25
LAIx-6	10/13/2006	25.25	--	--	--	11.84	13.41	13.41
LAIx-6	11/20/2006	25.25	--	--	--	8.31	16.94	16.94
LAIx-6	12/8/2006	25.25	--	--	--	8.28	16.97	16.97
LAIx-6	1/19/2007	25.25	--	--	--	7.89	17.36	17.36
LAIx-6	2/19/2007	25.25	--	--	--	9.58	15.67	15.67
LAIx-6	3/15/2007	25.25	--	--	--	8.85	16.40	16.40
LAIx-6	4/16/2007	25.25	--	--	--	9.25	16.00	16.00
LAIx-6	5/14/2007	25.25	--	--	--	10.30	14.95	14.95
LAIx-6	6/29/2007	25.25	--	--	--	11.93	13.32	13.32
LAIx-6	7/20/2007	25.25	--	--	--	12.50	12.75	12.75
LAIx-6	8/21/2007	25.25	--	--	--	12.97	12.28	12.28
LAIx-6	9/10/2007	25.25	--	--	--	13.00	12.25	12.25
LAIx-6	10/22/2007	25.25	--	--	--	11.44	13.81	13.81
LAIx-6	11/28/2007	25.25	--	--	--	10.84	14.41	14.41
LAIx-6	12/13/2007	25.25	--	--	--	10.82	14.43	14.43
LAIx-6	1/21/2008	25.25	--	--	--	10.11	15.14	15.14
LAIx-6	2/24/2008	25.25	--	--	--	10.45	14.80	14.80
LAIx-6	3/24/2008	25.25	--	--	--	10.59	14.66	14.66
LAIx-6	8/25/2008	25.25	--	--	--	11.98	13.27	13.27
LAIx-6	2/18/2009	25.25	--	--	--	10.38	14.87	14.87
LAIx-6	8/25/2009	25.25	--	--	--	12.63	12.62	12.62
LAIx-6	3/22/2010	25.25	--	--	--	10.67	14.58	14.58
LAIx-6	8/23/2010	25.25	--	--	--	10.80	14.45	14.45
LAIx-6	2/7/2011	25.25	--	--	--	9.46	15.79	--
LAIx-6	5/27/2011	25.25			Not Monitored			
LAIX-6	11/14/2016	25.25	--	--	--	8.57	16.68	--
LAIX-6	2/17/2017	25.25	--	--	--	3.90	21.35	14.27
LAIX-6	5/24/2017	25.25	--	--	--	8.10	17.15	14.78
LAIX-6	9/26/2017	25.25	--	--	--	11.39	13.86	16.01
LAIX-6	9/28/2017	25.25	--	--	--	--	--	--
LAIX-6	12/11/2017	25.25	--	--	--	7.31	17.94	--
LAIX-6	2/26/2018	25.25	--	--	--	7.88	17.37	--
LAIX-6	6/11/2018	25.25	--	--	--	9.81	15.44	--
LAIX-6	8/27/2018	25.25	--	--	--	11.39	13.86	--
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-7	6/27/2003	24.28	10.42	13.86	0.63	11.05	13.70	14.18
LAI-7	7/7/2003	24.28	10.85	13.43	0.52	11.37	13.30	13.69
LAI-7	7/16/2003	24.28	10.43	13.85	1.65	12.08	13.44	14.68
LAI-7	7/31/2003	24.28	11.06	13.22	0.31	11.37	13.14	13.38
LAI-7	8/5/2003	24.28	10.66	13.62	0.90	11.56	13.40	14.07
LAI-7	8/11/2003	24.28	12.45	11.83	0.01	12.46	11.83	11.84
LAI-7	8/22/2003	24.28	12.40	11.88	0.20	12.60	11.83	11.98
LAI-7	8/26/2003	24.28	11.32	12.96	1.43	12.75	12.60	13.68
LAI-7	9/2/2003	24.28	11.61	12.67	0.20	11.81	12.62	12.77
LAI-7	9/9/2003	24.28	11.66	12.62	1.64	13.30	12.21	13.44
LAI-7	9/19/2003	24.28	11.66	12.62	1.35	13.01	12.28	13.30
LAI-7	10/14/2003	24.28	11.59	12.69	1.46	13.05	12.33	13.42
LAI-7	11/20/2003	24.28	--	--	--	8.67	15.61	15.61
LAI-7	12/3/2003	24.28	7.98	16.30	0.23	8.21	16.24	16.42
LAI-7	1/19/2004	24.28	7.59	16.69	0.32	7.91	16.61	16.85
LAI-7	2/24/2004	24.28	--	--	--	8.72	15.56	15.56
LAI-7	3/15/2004	24.28	--	--	--	9.71	14.57	14.57
LAI-7	4/19/2004	24.28	--	--	--	9.65	14.63	14.63
LAI-7	5/17/2004	24.28	--	--	--	10.43	13.85	13.85
LAI-7	6/22/2004	24.28	10.33	13.95	0.01	10.34	13.95	13.96
LAI-7	8/18/2004	24.28	11.28	13.00	0.88	12.16	12.78	13.44
LAI-7	9/21/2004	24.28	10.57	13.71	0.23	10.80	13.65	13.83
LAI-7	10/19/2004	24.28	--	--	--	9.53	14.75	14.75
LAI-7	11/23/2004	24.28	9.85	14.43	0.19	10.04	14.38	14.53
LAI-7	12/21/2004	24.28	8.14	16.14	0.52	8.66	16.01	16.40
LAI-7	1/13/2005	24.28	8.83	15.45	0.19	9.02	15.40	15.55
LAI-7	4/28/2005	24.28	--	--	--	8.44	15.84	15.84
LAI-7	6/1/2005	24.28	--	--	--	8.72	15.56	15.56
LAI-7	6/29/2005	24.28	--	--	--	10.41	13.87	13.87
LAI-7	7/20/2005	24.28	--	--	--	10.93	13.35	13.35
LAI-7	8/22/2005	24.28	--	--	--	10.47	13.81	13.81
LAI-7	5/27/2011	24.28			Not Monitored			
LAIx-7	9/12/2005	25.24	--	--	--	13.81	11.43	11.43
LAIx-7	10/12/2005	25.24	14.46	10.78	0.12	14.58	10.75	10.84
LAIx-7	11/21/2005	25.24	12.00	13.24	2.96	14.96	12.50	14.72
LAIx-7	12/27/2005	25.24	11.08	14.16	2.82	13.90	13.46	15.57
LAIx-7	1/30/2006	25.24	9.69	15.55	3.34	13.03	14.72	17.22
LAIx-7	2/16/2006	25.24	11.52	13.72	3.81	15.33	12.77	15.63
LAIx-7	3/13/2006	25.24	11.09	14.15	4.51	15.60	13.02	16.41
LAIx-7	4/18/2006	25.24	11.98	13.26	1.62	13.60	12.86	14.07
LAIx-7	5/12/2006	25.24	13.22	12.02	0.30	13.52	11.95	12.17
LAIx-7	6/9/2006	25.24	12.94	12.30	0.40	13.34	12.20	12.50
LAIx-7	7/13/2006	25.24	14.14	11.10	0.94	15.08	10.87	11.57
LAIx-7	8/16/2006	25.24	14.95	10.29	0.80	15.75	10.09	10.69
LAIx-7	9/19/2006	25.24	14.55	10.69	0.95	15.50	10.45	11.17
LAIx-7	10/13/2006	25.24	14.60	10.64	1.55	16.15	10.25	11.42
LAIx-7	11/20/2006	25.24	11.89	13.35	0.71	12.60	13.17	13.71
LAIx-7	12/8/2006	25.24	12.13	13.11	0.31	12.44	13.03	13.27
LAIx-7	1/19/2007	25.24	11.75	13.49	1.20	12.95	13.19	14.09
LAIx-7	2/19/2007	25.24	12.52	12.72	0.62	13.14	12.57	13.03
LAIx-7	3/15/2007	25.24	12.14	13.10	0.51	12.65	12.97	13.36
LAIx-7	4/16/2007	25.24	12.58	12.66	0.92	13.50	12.43	13.12
LAIx-7	5/14/2007	25.24	13.25	11.99	0.07	13.32	11.97	12.03
LAIx-7	6/29/2007	25.24	13.68	11.56	0.82	14.50	11.36	11.97
LAIx-7	7/20/2007	25.24	14.20	11.04	0.10	14.30	11.02	11.09
LAIx-7	8/21/2007	25.24	--	--	--	14.20	11.04	11.04
LAIx-7	9/10/2007	25.24	--	--	--	14.47	10.77	10.77
LAIx-7	10/22/2007	25.24	12.72	--	--	15.64	9.60	9.60
LAIx-7	11/28/2007	25.24	12.95	--	--	13.50	11.74	11.74
LAIx-7	12/13/2007	25.24	--	--	--	11.92	13.32	13.32
LAIx-7	1/21/2008	25.24	--	--	--	7.63	17.61	17.61
LAIx-7	2/24/2008	25.24	--	--	--	10.21	15.03	15.03
LAIx-7	3/24/2008	25.24	12.24	13.00	0.22	12.46	12.95	13.11
LAIx-7	8/25/2008	25.24	--	--	--	13.34	11.90	11.90
LAIx-7	2/18/2009	25.24	--	--	--	12.00	13.24	13.24
LAIx-7	8/25/2009	25.24	--	--	--	14.56	10.68	10.68
LAIx-7	3/22/2010	25.24	--	--	--	10.95	14.29	14.29
LAIx-7	8/23/2010	25.24	--	--	--	10.05	15.19	15.19
LAIx-7	2/7/2011	25.24	--	--	--	9.71	15.53	--
LAIx-7	5/27/2011	25.24			Not Monitored			
LAI-8	1/22/2003	23.08	8.10	14.98	0.91	9.01	14.75	15.44
LAI-8	1/23/2003	23.08	7.72	15.36	0.88	8.60	15.14	15.80
LAI-8	1/24/2003	23.08	7.50	15.58	1.55	9.05	15.19	16.36
LAI-8	1/27/2003	23.08	5.34	17.74	5.08	10.42	16.47	20.28
LAI-8	1/28/2003	23.08	6.90	16.18	1.75	8.65	15.74	17.06
LAI-8	1/29/2003	23.08	7.99	15.09	0.31	8.30	15.01	15.25
LAI-8	1/30/2003	23.08	7.90	15.18	0.69	8.59	15.01	15.53
LAI-8	2/3/2003	23.08	8.47	14.61	0.01	8.48	14.61	14.62
LAI-8	2/6/2003	24.50	6.46	18.04	2.95	9.41	17.30	19.52
LAI-8	2/11/2003	24.50	8.45	16.05	1.22	9.67	15.75	16.66
LAI-8	2/18/2003	24.50	6.85	17.65	5.75	12.60	16.21	20.53
LAI-8	2/21/2003	24.50	8.49	16.01	3.16	11.65	15.22	17.59
LAI-8	2/26/2003	24.50	7.92	16.58	4.02	11.94	15.58	18.59
LAI-8	3/4/2003	24.50	7.46	17.04	5.02	12.48	15.79	19.55
LAI-8	3/12/2003	24.50	8.67	15.83	3.03	11.70	15.07	17.35
LAI-8	3/14/2003	24.50	8.88	15.62	2.53	11.41	14.99	16.89
LAI-8	3/26/2003	24.50	8.63	15.87	0.88	9.51	15.65	16.31
LAI-8	3/28/2003	24.50	--	--	--	9.48	15.02	15.02
LAI-8	4/2/2003	24.50	8.97	15.53	0.14	9.11	15.50	15.60
LAI-8	4/4/2003	24.50	9.32	15.18	0.04	9.36	15.17	15.20
LAI-8	4/8/2003	24.50	9.25	15.25	0.03	9.28	15.24	15.27
LAI-8	4/11/2003	24.50	9.21	15.29	0.46	9.67	15.18	15.52
LAI-8	4/15/2003	24.50	8.57	15.93	1.13	9.70	15.65	16.50
LAI-8	4/17/2003	24.50	9.82	14.68	0.08	9.90	14.66	14.72
LAI-8	4/22/2003	24.50	9.28	15.22	0.23	9.51	15.16	15.34
LAI-8	4/25/2003	24.50	9.61	14.89	0.25	9.86	14.83	15.02
LAI-8	5/2/2003	24.50	9.71	14.79	0.40	10.11	14.69	14.99
LAI-8	5/6/2003	24.50	9.36	15.14	1.40	10.76	14.79	15.84
LAI-8	5/9/2003	24.50	--	--	--	10.23	14.27	14.27
LAI-8	5/23/2003	24.50	10.80	13.70	0.01	10.81	13.70	13.71
LAI-8	5/28/2003	24.50	10.51	13.99	0.03	10.54	13.98	14.01
LAI-8	6/13/2003	24.50	10.20	14.30	1.56	11.76	13.91	15.08

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-8	6/18/2003	24.50	10.35	14.15	1.85	12.20	13.69	15.08
LAI-8	6/27/2003	24.50	10.62	13.88	0.49	11.11	13.76	14.13
LAI-8	7/7/2003	24.50	10.67	13.83	2.18	12.85	13.29	14.92
LAI-8	7/16/2003	24.50	10.45	14.05	1.37	11.82	13.71	14.74
LAI-8	7/31/2003	24.50	10.96	13.54	1.79	12.75	13.09	14.44
LAI-8	8/5/2003	24.50	10.82	13.68	2.23	13.05	13.12	14.80
LAI-8	8/11/2003	24.50	12.12	12.38	1.57	13.69	11.99	13.17
LAI-8	8/22/2003	24.50	12.40	12.10	1.66	14.06	11.69	12.93
LAI-8	8/26/2003	24.50	11.44	13.06	1.44	12.88	12.70	13.78
LAI-8	9/2/2003	24.50	11.45	13.05	1.78	13.23	12.61	13.94
LAI-8	9/9/2003	24.50	11.54	12.96	1.68	13.22	12.54	13.80
LAI-8	9/19/2003	24.50	11.61	12.89	1.64	13.25	12.48	13.71
LAI-8	10/14/2003	24.50	11.58	12.92	1.60	13.18	12.52	13.72
LAI-8	11/20/2003	24.50	8.87	15.63	0.07	8.94	15.61	15.67
LAI-8	12/3/2003	24.50	8.01	16.49	0.41	8.42	16.39	16.70
LAI-8	1/19/2004	24.50	7.70	16.80	0.44	8.14	16.69	17.02
LAI-8	2/24/2004	24.50	--	--	--	9.15	15.35	15.35
LAI-8	3/15/2004	24.50	--	--	--	9.71	14.79	14.79
LAI-8	4/19/2004	24.50	--	--	--	9.91	14.59	14.59
LAI-8	5/17/2004	24.50	--	--	--	10.59	13.91	13.91
LAI-8	6/22/2004	24.50	10.48	14.02	0.030	10.51	14.01	14.04
LAI-8	8/18/2004	24.50	11.70	12.80	0.010	11.71	12.80	12.81
LAI-8	9/21/2004	24.50	--	--	--	10.60	13.90	13.90
LAI-8	10/19/2004	24.50	--	--	--	9.73	14.77	14.77
LAI-8	11/23/2004	24.50	--	--	--	10.04	14.46	14.46
LAI-8	12/21/2004	24.50	8.31	16.19	0.02	8.33	16.19	16.20
LAI-8	1/13/2005	24.50	--	--	--	8.89	15.61	15.61
LAI-8	4/28/2005	24.50	--	--	--	8.64	15.86	15.86
LAI-8	6/1/2005	24.50	--	--	--	8.88	15.62	15.62
LAI-8	6/29/2005	24.50	--	--	--	10.55	13.95	13.95
LAI-8	7/20/2005	24.50	--	--	--	11.05	13.45	13.45
LAI-8	8/22/2005	24.50	--	--	--	10.65	13.85	13.85
LAI-8	5/27/2011	24.50			Not Monitored			
LAIx-8	9/12/2005	25.59	--	--	--	12.48	13.11	13.11
LAIx-8	10/12/2005	25.59	--	--	--	14.08	11.51	11.51
LAIx-8	11/21/2005	25.59	10.74	14.85	0.01	10.75	14.85	14.86
LAIx-8	12/27/2005	25.59	--	--	--	10.11	15.48	15.48
LAIx-8	1/30/2006	25.59	--	--	--	7.88	17.71	17.71
LAIx-8	2/16/2006	25.59	--	--	--	9.34	16.25	16.25
LAIx-8	3/13/2006	25.59	--	--	--	10.00	15.59	15.59
LAIx-8	4/18/2006	25.59	--	--	--	9.72	15.87	15.87
LAIx-8	5/12/2006	25.59	--	--	--	10.59	15.00	15.00
LAIx-8	12/21/2004	25.59	--	--	--	10.59	15.00	15.00
LAIx-8	6/9/2006	25.59	--	--	--	10.10	15.49	15.49
LAIx-8	7/13/2006	25.59	--	--	--	11.30	14.29	14.29
LAIx-8	8/16/2006	25.59	--	--	--	11.95	13.64	13.64
LAIx-8	9/19/2006	25.59	--	--	--	12.49	13.10	13.10
LAIx-8	10/13/2006	25.59	--	--	--	12.30	13.29	13.29
LAIx-8	11/20/2006	25.59	--	--	--	8.90	16.69	16.69
LAIx-8	12/8/2006	25.59	--	--	--	8.92	16.67	16.67
LAIx-8	1/19/2007	25.59	--	--	--	8.57	17.02	17.02
LAIx-8	2/19/2007	25.59	--	--	--	10.06	15.53	15.53
LAIx-8	3/15/2007	25.59	--	--	--	9.35	16.24	16.24
LAIx-8	4/16/2007	25.59	--	--	--	9.75	15.84	15.84
LAIx-8	5/14/2007	25.59	--	--	--	10.77	14.82	14.82
LAIx-8	6/29/2007	25.59	--	--	--	12.07	13.52	13.52
LAIx-8	7/20/2007	25.59	--	--	--	12.52	13.07	13.07
LAIx-8	8/21/2007	25.59	--	--	--	12.97	12.62	12.62
LAIx-8	9/10/2007	25.59	--	--	--	13.24	12.35	12.35
LAIx-8	10/22/2007	25.59	--	--	--	11.91	13.68	13.68
LAIx-8	11/28/2007	25.59	--	--	--	11.50	14.09	14.09
LAIx-8	12/13/2007	25.59	11.55	14.04	0.08	11.63	14.02	14.08
LAIx-8	1/21/2008	25.59	--	--	--	11.04	14.55	14.55
LAIx-8	2/24/2008	25.59	--	--	--	11.19	14.40	14.40
LAIx-8	3/24/2008	25.59	--	--	--	11.15	14.44	14.44
LAIx-8	8/25/2008	25.59	--	--	--	7.67	17.92	17.92
LAIx-8	2/18/2009	25.59	--	--	--	11.02	14.57	14.57
LAIx-8	8/25/2009	25.59	--	--	--	12.95	12.64	12.64
LAIx-8	3/22/2010	25.59	--	--	--	10.86	14.73	14.73
LAIx-8	8/23/2010	25.59	--	--	--	10.18	15.41	15.41
LAIx-8	2/7/2011	25.59	--	--	--	9.73	15.86	--
LAIx-8	5/27/2011	25.59			Not Monitored			
LAI-9	1/22/2003	22.48	--	--	--	7.90	14.58	14.58
LAI-9	1/23/2003	22.48	--	--	--	8.38	14.10	14.10
LAI-9	1/24/2003	22.48	7.10	15.38	0.04	7.14	15.37	15.40
LAI-9	1/27/2003	22.48	5.32	17.16	1.54	6.86	16.78	17.93
LAI-9	1/28/2003	22.48	5.90	16.58	1.50	7.40	16.21	17.33
LAI-9	1/29/2003	22.48	--	--	--	8.44	14.04	14.04
LAI-9	1/30/2003	22.48	--	--	--	8.40	14.08	14.08
LAI-9	2/3/2003	22.48	6.57	15.91	0.70	7.27	15.74	16.26
LAI-9	2/6/2003	23.93	7.53	16.40	0.15	7.68	16.36	16.48
LAI-9	2/11/2003	23.93	7.93	16.00	0.11	8.04	15.97	16.06
LAI-9	2/18/2003	23.93	5.50	18.43	2.50	8.00	17.81	19.68
LAI-9	2/21/2003	23.93	7.63	16.30	3.68	11.31	15.38	18.14
LAI-9	2/26/2003	23.93	6.94	16.99	3.54	10.48	16.11	18.76
LAI-9	3/4/2003	23.93	6.98	16.95	3.94	10.92	15.97	18.92
LAI-9	3/12/2003	23.93	7.82	16.11	3.39	11.21	15.26	17.81
LAI-9	3/14/2003	23.93	8.09	15.84	2.21	10.30	15.29	16.95
LAI-9	3/26/2003	23.93	--	--	--	8.95	14.98	14.98
LAI-9	3/28/2003	23.93	--	--	--	9.04	14.89	14.89
LAI-9	4/2/2003	23.93	8.08	15.85	0.32	8.40	15.77	16.01
LAI-9	4/4/2003	23.93	8.34	15.59	0.48	8.82	15.47	15.83
LAI-9	4/8/2003	23.93	8.10	15.83	0.49	8.59	15.71	16.08
LAI-9	4/11/2003	23.93	8.36	15.57	0.49	8.85	15.45	15.82
LAI-9	4/15/2003	23.93	7.81	16.12	0.21	8.02	16.07	16.23
LAI-9	4/17/2003	23.93	9.11	14.82	0.13	9.24	14.79	14.89
LAI-9	4/22/2003	23.93	8.41	15.52	0.35	8.76	15.43	15.70
LAI-9	4/25/2003	23.93	8.32	15.61	0.80	9.12	15.41	16.01
LAI-9	5/2/2003	23.93	8.99	14.94	0.01	9.00	14.94	14.95
LAI-9	5/6/2003	23.93	8.66	15.27	0.85	9.51	15.06	15.70
LAI-9	5/9/2003	23.93	9.75	14.18	0.02	9.77	14.18	14.19
LAI-9	5/23/2003	23.93	--	--	--	10.10	13.83	13.83

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-9	5/28/2003	23.93	10.50	13.43	0.01	10.51	13.43	13.44
LAI-9	6/13/2003	23.93	9.91	14.02	0.37	10.28	13.93	14.21
LAI-9	6/18/2003	23.93	9.81	14.12	0.51	10.32	13.99	14.38
LAI-9	6/27/2003	23.93	9.91	14.02	0.33	10.24	13.94	14.19
LAI-9	7/7/2003	23.93	10.21	13.72	0.83	11.04	13.51	14.14
LAI-9	7/16/2003	23.93	10.03	13.90	0.84	10.87	13.69	14.32
LAI-9	7/31/2003	23.93	10.44	13.49	0.95	11.39	13.25	13.97
LAI-9	8/5/2003	23.93	10.25	13.68	1.19	11.44	13.38	14.28
LAI-9	8/11/2003	23.93	11.89	12.04	0.12	12.01	12.01	12.10
LAI-9	8/22/2003	23.93	11.92	12.01	0.08	12.00	11.99	12.05
LAI-9	8/26/2003	23.93	11.03	12.90	0.64	11.67	12.74	13.22
LAI-9	9/2/2003	23.93	10.96	12.97	1.03	11.99	12.71	13.49
LAI-9	9/9/2003	23.93	11.12	12.81	0.51	11.63	12.68	13.07
LAI-9	9/19/2003	23.93	10.89	13.04	1.58	12.47	12.65	13.83
LAI-9	10/14/2003	23.93	11.75	12.18	1.07	12.82	11.91	12.72
LAI-9	11/20/2003	23.93	--	--	--	8.05	15.88	15.88
LAI-9	12/3/2003	23.93	7.21	16.72	0.01	7.22	16.72	16.73
LAI-9	1/19/2004	23.93	6.83	17.10	0.01	6.84	17.10	17.11
LAI-9	2/24/2004	23.93	--	--	--	8.11	15.82	15.82
LAI-9	3/15/2004	23.93	--	--	--	9.08	14.85	14.85
LAI-9	4/19/2004	23.93	--	--	--	8.85	15.08	15.08
LAI-9	5/17/2004	23.93	--	--	--	9.91	14.02	14.02
LAI-9	8/18/2004	23.93	--	--	--	11.10	12.83	12.83
LAI-9	8/18/2004	23.93	--	--	--	11.10	12.83	12.83
LAI-9	9/21/2004	23.93	10.91	13.02	0.53	11.44	12.89	13.29
LAI-9	10/19/2004	23.93	8.92	9.35	0.43	9.35	14.90	15.23
LAI-9	11/23/2004	23.93	9.03	14.90	0.31	9.34	14.82	15.06
LAI-9	12/21/2004	23.93	7.44	16.49	0.02	7.46	16.49	16.50
LAI-9	1/13/2005	23.93	--	--	--	8.19	15.74	15.74
LAI-9	4/28/2005	23.93	--	--	--	7.73	16.20	16.20
LAI-9	6/1/2005	23.93	--	--	--	8.10	15.83	15.83
LAI-9	6/29/2005	23.93	--	--	--	9.77	14.16	14.16
LAI-9	7/20/2005	23.93	--	--	--	10.10	13.83	13.83
LAI-9	8/22/2005	23.93	--	--	--	9.96	13.97	13.97
LAI-9	5/27/2011	23.93			Not Monitored			
LAIx-9	9/12/2005	25.55	--	--	--	14.13	11.42	11.42
LAIx-9	10/12/2005	25.55	--	--	--	14.79	10.76	10.76
LAIx-9	11/21/2005	25.55	--	--	--	12.98	12.57	12.57
LAIx-9	12/27/2005	25.55	--	--	--	11.42	14.13	14.13
LAIx-9	1/30/2006	25.55	--	--	--	10.27	15.28	15.28
LAIx-9	2/16/2006	25.55	12.35	13.20	0.03	12.38	13.19	13.22
LAIx-9	3/13/2006	25.55	--	--	--	12.78	12.77	12.77
LAIx-9	4/18/2006	25.55	--	--	--	12.34	13.21	13.21
LAIx-9	5/12/2006	25.55	--	--	--	13.33	12.22	12.22
LAIx-9	6/9/2006	25.55	--	--	--	12.86	12.69	12.69
LAIx-9	7/13/2006	25.55	14.48	11.07	0.06	14.57	11.03	11.07
LAIx-9	8/16/2006	25.55	--	--	--	15.30	10.25	10.25
LAIx-9	9/19/2006	25.55	--	--	--	14.98	10.57	10.57
LAIx-9	10/13/2006	25.55	--	--	--	15.01	10.54	10.54
LAIx-9	11/20/2006	25.55	--	--	--	11.77	13.78	13.78
LAIx-9	12/8/2006	25.55	11.72	13.83	0.06	11.78	13.82	13.86
LAIx-9	1/19/2007	25.55	11.24	14.31	0.04	11.28	14.30	14.33
LAIx-9	2/19/2007	25.55	12.23	13.32	0.04	12.27	13.31	13.34
LAIx-9	3/15/2007	25.55	12.55	13.00	0.05	12.60	12.99	13.03
LAIx-9	4/16/2007	25.55	12.30	13.25	0.03	12.33	13.24	13.27
LAIx-9	5/14/2007	25.55	--	--	--	13.41	12.14	12.14
LAIx-9	6/29/2007	25.55	--	--	--	13.92	11.63	11.63
LAIx-9	7/20/2007	25.55	--	--	--	14.34	11.21	11.21
LAIx-9	8/21/2007	25.55	--	--	--	14.25	11.30	11.30
LAIx-9	9/10/2007	25.55	--	--	--	14.52	11.03	11.03
LAIx-9	10/22/2007	25.55	--	--	--	13.31	12.24	12.24
LAIx-9	11/28/2007	25.55	--	--	--	12.50	13.05	13.05
LAIx-9	12/13/2007	25.55	--	--	--	11.40	14.15	14.15
LAIx-9	1/21/2008	25.55	--	--	--	8.61	16.94	16.94
LAIx-9	2/24/2008	25.55	--	--	--	12.30	13.25	13.25
LAIx-9	3/24/2008	25.55	--	--	--	12.06	13.49	13.49
LAIx-9	8/25/2008	25.55	--	--	--	13.30	12.25	12.25
LAIx-9	2/18/2009	25.55			Dry			Dry
LAIx-9	8/25/2009	25.55	--	--	--	14.23	11.32	11.32
LAIx-9	3/22/2010	25.55	--	--	--	12.25	13.30	13.30
LAIx-9	8/23/2010	25.55			Dry			--
LAIx-9	2/7/2011	25.55	--	--	--	11.71	13.84	--
LAIx-9	5/27/2011	25.55			Not Monitored			
LAIX-9	11/14/2016	25.55	--	--	--	9.75	15.80	--
LAIX-9	2/16/2017	25.55	--	--	--	8.57	16.98	15.53
LAIX-9	5/24/2017	25.55	--	--	--	8.28	17.27	15.94
LAIX-9	9/26/2017	25.55	--	--	--	11.83	13.72	15.36
LAIX-9	12/11/2017	25.55	--	--	--	7.50	18.05	--
LAIX-9	2/26/2018	25.55	--	--	--	8.38	17.17	--
LAIX-9	6/11/2018	25.55	--	--	--	11.01	14.54	--
LAIX-9	8/27/2018	25.55	--	--	--	13.03	12.52	--
LAIX-9	12/17/2018	25.55	--	--	--	7.82	17.73	--
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-10	5/9/2003	19.87	--	--	--	5.10	14.77	14.77
LAI-10	5/16/2003	19.87	--	--	--	5.38	14.49	14.49
LAI-10	5/23/2003	19.87	--	--	--	6.50	13.37	13.37
LAI-10	5/28/2003	19.87	--	--	--	5.55	14.32	14.32
LAI-10	6/13/2003	19.87	--	--	--	6.17	13.70	13.70
LAI-10	6/18/2003	19.87	--	--	--	5.86	14.01	14.01
LAI-10	6/27/2003	19.87	--	--	--	5.89	13.98	13.98
LAI-10	7/7/2003	19.87	--	--	--	6.51	13.36	13.36
LAI-10	7/16/2003	19.87	--	--	--	5.53	14.34	14.34
LAI-10	7/31/2003	19.87	--	--	--	6.61	13.26	13.26
LAI-10	8/5/2003	19.87	--	--	--	6.68	13.19	13.19
LAI-10	8/11/2003	19.87	--	--	--	7.15	12.72	12.72
LAI-10	8/22/2003	19.87	--	--	--	8.68	11.19	11.19
LAI-10	8/26/2003	19.87	--	--	--	7.03	12.84	12.84
LAI-10	9/2/2003	19.87	--	--	--	7.15	12.72	12.72
LAI-10	9/9/2003	19.87	7.33	12.54	0.01	7.34	12.54	12.55
LAI-10	9/19/2003	19.87	--	--	--	7.37	12.50	12.50
LAI-10	10/14/2003	19.87	--	--	--	7.75	12.12	12.12
LAI-10	11/20/2003	19.87	--	--	--	4.48	15.39	15.39
LAI-10	12/3/2003	19.87	--	--	--	3.58	16.29	16.29
LAI-10	1/19/2004	19.87	--	--	--	3.29	16.58	16.58
LAI-10	2/24/2004	19.87	--	--	--	4.16	15.71	15.71
LAI-10	3/15/2004	19.87	--	--	--	5.01	14.86	14.86
LAI-10	4/19/2004	19.87	--	--	--	5.30	14.57	14.57
LAI-10	5/17/2004	19.87	--	--	--	5.79	14.08	14.08
LAI-10	6/22/2004	19.87	--	--	--	5.71	14.16	14.16
LAI-10	8/18/2004	19.87	6.71	13.16	0.01	6.72	13.16	13.17
LAI-10	9/21/2004	19.87	--	--	--	6.10	13.77	13.77
LAI-10	10/19/2004	19.87	--	--	--	5.23	14.64	14.64
LAI-10	11/23/2004	19.87	--	--	--	5.45	14.42	14.42
LAI-10	12/21/2004	19.87	--	--	--	3.99	15.88	15.88
LAI-10	1/13/2005	19.87	--	--	--	4.64	15.23	15.23
LAI-10	4/28/2005	19.87	--	--	--	4.23	15.64	15.64
LAI-10	6/1/2005	19.87	4.40	13.52	0.03	4.43	15.46	14.30
LAI-10	6/29/2005	19.87	--	--	--	5.45	14.42	12.47
LAI-10	7/20/2005	19.87	--	--	--	5.75	14.12	12.17
LAI-10	8/22/2005	19.87	6.22	13.65	0.01	6.23	13.65	13.66
LAI-10	9/12/2005	19.87	6.62	13.25	0.01	6.61	13.27	13.28
LAI-10	10/12/2005	19.87	--	--	--	7.11	12.76	12.76
LAI-10	11/21/2005	19.87	5.08	14.79	0.01	5.09	14.79	14.80
LAI-10	12/27/2005	19.87	--	--	--	4.14	15.73	15.73
LAI-10	1/30/2006	19.87	--	--	--	2.45	17.42	17.42
LAI-10	2/16/2006	19.87	--	--	--	3.62	16.25	16.25
LAI-10	3/13/2006	19.87	--	--	--	4.37	15.50	15.50
LAI-10	4/18/2006	19.87	--	--	--	4.51	15.36	15.36
LAI-10	5/12/2006	19.87	--	--	--	4.82	15.05	15.05
LAI-10	6/9/2006	19.87	--	--	--	4.57	15.30	15.30
LAI-10	7/13/2006	19.87	--	--	--	5.41	14.46	14.46
LAI-10	8/16/2006	19.87	--	--	--	6.15	13.72	13.72
LAI-10	9/19/2006	19.87	--	--	--	5.80	14.07	14.07
LAI-10	10/13/2006	19.87	--	--	--	6.60	13.27	13.27
LAI-10	11/20/2006	19.87	--	--	--	3.16	16.71	16.71
LAI-10	12/8/2006	19.87	--	--	--	3.29	16.58	16.58
LAI-10	1/19/2007	19.87	--	--	--	3.39	16.48	16.48
LAI-10	2/19/2007	19.87	--	--	--	4.37	15.50	15.50
LAI-10	3/15/2007	19.87	--	--	--	3.90	15.97	15.97
LAI-10	4/16/2007	19.87	--	--	--	4.20	15.67	15.67
LAI-10	5/14/2007	19.87	--	--	--	5.07	14.80	14.80
LAI-10	6/29/2007	19.87	--	--	--	6.06	13.81	13.81
LAI-10	7/20/2007	19.87	--	--	--	6.32	13.55	13.55
LAI-10	8/21/2007	19.87	--	--	--	7.81	12.06	12.06
LAI-10	9/10/2007	19.87	--	--	--	6.92	12.95	12.95
LAI-10	10/22/2007	19.87	--	--	--	5.99	13.88	13.88
LAI-10	11/28/2007	19.87	--	--	--	4.95	14.92	14.92
LAI-10	12/13/2007	19.87	--	--	--	4.32	15.55	15.55
LAI-10	1/21/2008	19.87	--	--	--	4.49	15.38	15.38
LAI-10	2/24/2008	19.87	--	--	--	4.89	14.98	14.98
LAI-10	3/24/2008	19.87	--	--	--	4.96	14.91	14.91
LAI-10	8/25/2008	19.87	--	--	--	5.63	14.24	14.24
LAI-10	2/18/2009	19.87	--	--	--	5.10	14.77	14.77
LAI-10	8/25/2009	19.87	--	--	--	7.22	12.65	12.65
LAI-10	3/22/2010	19.87	--	--	--	4.90	14.97	14.97
LAI-10	8/23/2010	19.87	--	--	--	6.34	13.53	13.53
LAI-10	2/7/2011	19.87	--	--	--	4.21	15.66	--
LAI-10	5/27/2011	19.87	--	--	--	4.78	15.09	--
LAI-10	8/8/2011	19.87	--	--	--	8.15	11.72	--
LAI-10	11/14/2011	19.87	--	--	--	5.73	14.14	--
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-11	4/17/2003	20.61	--	--	--	5.46	15.15	15.15
LAI-11	4/22/2003	20.61	--	--	--	5.47	15.14	15.14
LAI-11	4/25/2003	20.61	--	--	--	5.67	14.94	14.94
LAI-11	5/2/2003	20.61	--	--	--	5.12	15.49	15.49
LAI-11	5/6/2003	20.61	--	--	--	5.81	14.80	14.80
LAI-11	5/9/2003	20.61	--	--	--	6.00	14.61	14.61
LAI-11	5/16/2003	20.61	--	--	--	6.30	14.31	14.31
LAI-11	5/23/2003	20.61	--	--	--	6.58	14.03	14.03
LAI-11	5/28/2003	20.61	--	--	--	6.44	14.17	14.17
LAI-11	6/13/2003	20.61	--	--	--	6.70	13.91	13.91
LAI-11	6/18/2003	20.61	--	--	--	6.80	13.81	13.81
LAI-11	6/27/2003	20.61	--	--	--	6.81	13.80	13.80
LAI-11	7/7/2003	20.61	--	--	--	7.51	13.10	13.10
LAI-11	7/16/2003	20.61	--	--	--	6.42	14.19	14.19
LAI-11	7/31/2003	20.61	--	--	--	8.91	11.70	11.70
LAI-11	8/5/2003	20.61	--	--	--	8.51	12.10	12.10
LAI-11	8/11/2003	20.61	--	--	--	8.79	11.82	11.82
LAI-11	8/22/2003	20.61	--	--	--	8.43	12.18	12.18
LAI-11	8/26/2003	20.61	--	--	--	8.92	11.69	11.69
LAI-11	9/2/2003	20.61	--	--	--	8.95	11.66	11.66
LAI-11	9/9/2003	20.61	--	--	--	9.24	11.37	11.37
LAI-11	9/19/2003	20.61	--	--	--	8.99	11.62	11.62
LAI-11	10/14/2003	20.61	--	--	--	9.15	11.46	11.46
LAI-11	11/20/2003	20.61	--	--	--	5.31	15.30	15.30
LAI-11	12/3/2003	20.61	--	--	--	4.50	16.11	16.11
LAI-11	1/19/2004	20.61	--	--	--	4.33	16.28	16.28
LAI-11	2/24/2004	20.61	--	--	--	5.19	15.42	15.42
LAI-11	3/15/2004	20.61	--	--	--	5.94	14.67	14.67
LAI-11	4/19/2004	20.61	--	--	--	6.23	14.38	14.38
LAI-11	5/17/2004	20.61	--	--	--	6.80	13.81	13.81
LAI-11	6/22/2004	20.61	--	--	--	6.70	13.91	13.91
LAI-11	8/18/2004	20.61	--	--	--	8.19	12.42	12.42
LAI-11	9/21/2004	20.61	--	--	--	7.03	13.58	13.58
LAI-11	10/19/2004	20.61	--	--	--	6.10	14.51	14.51
LAI-11	11/23/2004	20.61	--	--	--	6.35	14.26	14.26
LAI-11	12/21/2004	20.61	--	--	--	4.81	15.80	15.80
LAI-11	1/13/2005	20.61	--	--	--	5.40	15.21	15.21
LAI-11	4/28/2005	20.61	--	--	--	5.13	15.48	15.48
LAI-11	6/1/2005	20.61	--	--	--	5.32	15.29	15.29
LAI-11	6/29/2005	20.61	--	--	--	6.28	14.33	14.33
LAI-11	7/20/2005	20.61	--	--	--	6.55	14.06	14.06
LAI-11	8/22/2005	20.61	6.94	13.67	0.01	6.95	13.67	13.68
LAI-11	9/12/2005	20.61	6.90	13.71	0.46	7.36	13.60	13.94
LAI-11	10/12/2005	20.61	8.185	12.43	0.005	8.19	12.42	12.43
LAI-11	11/21/2005	20.61	--	--	--	5.81	14.80	14.80
LAI-11	12/27/2005	20.61	--	--	--	5.24	15.37	15.37
LAI-11	1/30/2006	20.61	--	--	--	2.99	17.62	17.62
LAI-11	2/16/2006	20.61	--	--	--	4.44	16.17	16.17
LAI-11	3/13/2006	20.61	--	--	--	5.20	15.41	15.41
LAI-11	4/18/2006	20.61	--	--	--	5.43	15.18	15.18
LAI-11	5/12/2006	20.61	--	--	--	5.65	14.96	14.96
LAI-11	6/9/2006	20.61	--	--	--	5.48	15.13	15.13
LAI-11	7/13/2006	20.61	--	--	--	6.25	14.36	14.36
LAI-11	8/16/2006	20.61	--	--	--	7.05	13.56	13.56
LAI-11	9/19/2006	20.61	--	--	--	7.65	12.96	12.96
LAI-11	10/13/2006	20.61	--	--	--	7.46	13.15	13.15
LAI-11	11/20/2006	20.61	--	--	--	4.03	16.58	16.58
LAI-11	12/8/2006	20.61	--	--	--	4.12	16.49	16.49
LAI-11	1/19/2007	20.61	--	--	--	4.16	16.45	16.45
LAI-11	2/19/2007	20.61	--	--	--	5.31	15.30	15.30
LAI-11	3/15/2007	20.61	--	--	--	4.80	15.81	15.81
LAI-11	4/16/2007	20.61	--	--	--	5.10	15.51	15.51
LAI-11	5/14/2007	20.61	--	--	--	5.92	14.69	14.69
LAI-11	6/29/2007	20.61	--	--	--	6.82	13.79	13.79
LAI-11	7/20/2007	20.61	--	--	--	7.12	13.49	13.49
LAI-11	8/21/2007	20.61	--	--	--	7.76	12.85	12.85
LAI-11	9/10/2007	20.61	--	--	--	7.87	12.74	12.74
LAI-11	10/22/2007	20.61	--	--	--	7.26	13.35	13.35
LAI-11	11/28/2007	20.61	--	--	--	6.00	14.61	14.61
LAI-11	12/13/2007	20.61	--	--	--	5.06	15.55	15.55
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-12	4/2/2003	19.34	--	--	--	4.34	15.00	15.00
LAI-12	4/4/2003	19.34	--	--	--	4.45	14.89	14.89
LAI-12	4/8/2003	19.34	--	--	--	4.58	14.76	14.76
LAI-12	4/11/2003	19.34	--	--	--	4.65	14.69	14.69
LAI-12	4/15/2003	19.34	--	--	--	4.25	15.09	15.09
LAI-12	4/17/2003	19.34	--	--	--	4.69	14.65	14.65
LAI-12	4/22/2003	19.34	--	--	--	4.69	14.65	14.65
LAI-12	4/25/2003	19.34	--	--	--	4.81	14.53	14.53
LAI-12	5/2/2003	19.34	--	--	--	4.98	14.36	14.36
LAI-12	5/6/2003	19.34	--	--	--	5.22	14.12	14.12
LAI-12	5/9/2003	19.34	--	--	--	5.46	13.88	13.88
LAI-12	5/16/2003	19.34	--	--	--	5.74	13.60	13.60
LAI-12	5/23/2003	19.34	--	--	--	5.27	14.07	14.07
LAI-12	5/28/2003	19.34	--	--	--	5.88	13.46	13.46
LAI-12	6/13/2003	19.34	--	--	--	5.45	13.89	13.89
LAI-12	6/18/2003	19.34	--	--	--	6.18	13.16	13.16
LAI-12	6/27/2003	19.34	--	--	--	6.22	13.12	13.12
LAI-12	7/7/2003	19.34	--	--	--	6.95	12.39	12.39
LAI-12	7/16/2003	19.34	--	--	--	5.84	13.50	13.50
LAI-12	7/31/2003	19.34	--	--	--	6.97	12.37	12.37
LAI-12	8/5/2003	19.34	--	--	--	7.05	12.29	12.29
LAI-12	8/11/2003	19.34	--	--	--	6.80	12.54	12.54
LAI-12	8/22/2003	19.34	--	--	--	8.19	11.15	11.15
LAI-12	8/26/2003	19.34	--	--	--	7.33	12.01	12.01
LAI-12	9/2/2003	19.34	--	--	--	7.45	11.89	11.89
LAI-12	9/9/2003	19.34	--	--	--	7.64	11.70	11.70
LAI-12	9/19/2003	19.34	--	--	--	7.93	11.41	11.41
LAI-12	10/14/2003	19.34	--	--	--	7.48	11.86	11.86
LAI-12	11/20/2003	19.34	--	--	--	4.06	15.28	15.28
LAI-12	12/3/2003	19.34	--	--	--	3.37	15.97	15.97
LAI-12	1/19/2004	19.34	--	--	--	3.81	15.53	15.53
LAI-12	2/24/2004	19.34	--	--	--	4.32	15.02	15.02
LAI-12	3/15/2004	19.34	--	--	--	5.13	14.21	14.21
LAI-12	4/19/2004	19.34	--	--	--	5.61	13.73	13.73
LAI-12	5/17/2004	19.34	--	--	--	6.23	13.11	13.11
LAI-12	6/22/2004	19.34	--	--	--	6.14	13.20	13.20
LAI-12	8/18/2004	19.34	--	--	--	7.15	12.19	12.19
LAI-12	9/21/2004	19.34	--	--	--	6.18	13.16	13.16
LAI-12	10/19/2004	19.34	--	--	--	5.39	13.95	13.95
LAI-12	11/23/2004	19.34	--	--	--	5.68	13.66	13.66
LAI-12	12/21/2004	19.34	--	--	--	3.86	15.48	15.48
LAI-12	1/13/2005	19.34	--	--	--	4.95	14.39	14.39
LAI-12	4/28/2005	19.34	--	--	--	4.41	14.93	14.93
LAI-12	6/1/2005	19.34	--	--	--	4.61	14.73	14.73
LAI-12	6/29/2005	19.34	--	--	--	5.77	13.57	13.57
LAI-12	7/20/2005	19.34	9.15	10.19	0.01	9.16	10.19	10.20
LAI-12	8/22/2005	19.34	6.48	12.86	0.01	6.49	12.86	12.87
LAI-12	9/12/2005	19.34	--	--	--	6.90	12.44	12.44
LAI-12	10/12/2005	19.34	7.40	11.94	0.01	7.41	11.94	11.95
LAI-12	11/21/2005	19.34	--	--	--	4.48	14.86	14.86
LAI-12	12/27/2005	19.34	--	--	--	3.95	15.39	15.39
LAI-12	1/30/2006	19.34	--	--	--	2.33	17.01	17.01
LAI-12	2/16/2006	19.34	--	--	--	3.33	16.01	16.01
LAI-12	3/13/2006	19.34	--	--	--	4.34	15.00	15.00
LAI-12	4/18/2006	19.34	--	--	--	4.69	14.65	14.65
LAI-12	5/12/2006	19.34	--	--	--	4.99	14.35	14.35
LAI-12	6/9/2006	19.34	--	--	--	4.61	14.73	14.73
LAI-12	7/13/2006	19.34	--	--	--	5.68	13.66	13.66
LAI-12	8/16/2006	19.34	--	--	--	6.41	12.93	12.93
LAI-12	9/19/2006	19.34	--	--	--	6.98	12.36	12.36
LAI-12	10/13/2006	19.34	--	--	--	6.78	12.56	12.56
LAI-12	11/20/2006	19.34	--	--	--	3.18	16.16	16.16
LAI-12	12/8/2006	19.34	--	--	--	2.89	16.45	16.45
LAI-12	1/19/2007	19.34	--	--	--	2.85	16.49	16.49
LAI-12	2/19/2007	19.34	--	--	--	4.55	14.79	14.79
LAI-12	3/15/2007	19.34	--	--	--	3.73	15.61	15.61
LAI-12	4/16/2007	19.34	--	--	--	4.19	15.15	15.15
LAI-12	5/14/2007	19.34	--	--	--	5.37	13.97	13.97
LAI-12	6/29/2007	19.34	--	--	--	6.30	13.04	13.04
LAI-12	7/20/2007	19.34	--	--	--	6.56	12.78	12.78
LAI-12	8/21/2007	19.34	--	--	--	7.19	12.15	12.15
LAI-12	9/10/2007	19.34	--	--	--	7.21	12.13	12.13
LAI-12	10/22/2007	19.34	--	--	--	6.09	13.25	13.25
LAI-12	11/28/2007	19.34	--	--	--	5.34	14.00	14.00
LAI-12	12/13/2007	19.34	--	--	--	3.97	15.37	15.37
LAI-12	1/21/2008	19.34	--	--	--	5.24	14.10	14.10
LAI-12	2/24/2008	19.34	--	--	--	5.08	14.26	14.26
LAI-12	3/24/2008	19.34	--	--	--	6.25	13.09	13.09
LAI-12	8/25/2008	19.34	--	--	--	6.82	12.52	12.52
LAI-12	2/18/2009	19.34	--	--	--	5.32	14.02	14.02
LAI-12	8/25/2009	19.34	--	--	--	7.44	11.90	11.90
LAI-12	3/22/2010	19.34	--	--	--	4.70	14.64	15.64
LAI-12	8/23/2010	19.34	--	--	--	6.62	12.72	12.72
LAI-12	2/7/2011	19.34	--	--	--	9.65	9.69	--
LAI-12	5/27/2011	19.34	--	--	--	4.63	14.71	--
LAI-12	8/8/2011	19.34	--	--	--	6.39	12.95	--
LAI-12	11/14/2011	19.34	--	--	--	6.19	13.15	--
LAI-12	2/20/2012	19.34	--	--	--	3.86	15.48	--
LAI-12	8/22/2012	19.34	--	--	--	6.29	13.05	--
LAI-12	11/5/2012	19.34	--	--	--	4.71	14.63	--
LAI-12	1/28/2013	19.34	--	--	--	3.73	15.61	--
LAI-12	5/9/2013	19.34	--	--	--	4.57	14.77	--
LAI-12	8/19/2013	19.34	--	--	--	6.82	12.52	--
LAI-12	11/25/2013	19.34	--	--	--	4.75	14.59	--
LAI-12	2/14/2014	19.34	--	--	--	4.04	15.30	--
LAI-12	5/5/2014	19.34	--	--	--	3.12	16.22	--
LAI-12	8/19/2014	19.34	--	--	--	6.71	12.63	--
LAI-12	11/21/2014	19.34	--	--	--	4.09	15.25	--
LAI-13	1/31/2003	21.53	--	--	--	5.25	16.28	--
LAI-13	2/12/2003	21.53	--	--	--	6.28	15.25	16.28
LAI-13	2/18/2003	21.53	--	--	--	6.15	15.38	15.25
LAI-13	2/21/2003	21.53	--	--	--	6.29	15.24	15.38
LAI-13	2/24/2003	21.53	--	--	--	6.65	14.88	14.88

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-13	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	--
LAI-13	11/21/2014	21.53	--	--	--	5.91	15.62	--
LAI-13	9/23/2019	21.53	--	--	--	7.05	14.48	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-13	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-13	8/14/2023	21.53	--	--	--	6.86	14.67	
LAI-13	1/29/2024	21.53	--	--	--	1.67	19.86	
LAI-13	7/29/2024	21.53	--	--	--	6.53	15.00	
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	--
LAI-14	5/27/2011	21.69	--	--	--	6.98	14.71	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-14	8/8/2011	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-14	8/14/2023	21.53	--	--	--	7.01	14.52	
LAI-14	1/29/2024	21.53	--	--	--	2.70	18.83	
LAI-14	7/29/2024	21.53	--	--	--	6.72	14.81	
LAI-15	1/31/2003	19.76	--	--	--	6.13	13.63	--
LAI-15	2/12/2003	19.76	--	--	--	4.23	15.53	13.63
LAI-15	2/18/2003	19.76	--	--	--	4.51	15.25	15.53
LAI-15	2/21/2003	19.76	--	--	--	4.72	15.04	15.25
LAI-15	2/24/2003	19.76	--	--	--	4.74	15.02	15.02
LAI-15	3/3/2003	19.76	--	--	--	4.96	14.80	14.80
LAI-15	3/12/2003	19.76	--	--	--	4.81	14.95	14.95
LAI-15	3/14/2003	19.76	--	--	--	4.14	15.62	15.62
LAI-15	3/26/2003	19.76	--	--	--	3.82	15.94	15.94
LAI-15	3/28/2003	19.76	--	--	--	3.85	15.91	15.91
LAI-15	4/2/2003	19.76	--	--	--	4.40	15.36	15.36
LAI-15	4/4/2003	19.76	--	--	--	4.49	15.27	15.27
LAI-15	4/8/2003	19.76	--	--	--	4.71	15.05	15.05
LAI-15	4/11/2003	19.76	--	--	--	4.80	14.96	14.96
LAI-15	4/15/2003	19.76	--	--	--	4.75	15.01	15.01
LAI-15	4/17/2003	19.76	--	--	--	4.77	14.99	14.99
LAI-15	4/22/2003	19.76	--	--	--	4.99	14.77	14.77
LAI-15	4/25/2003	19.76	--	--	--	5.09	14.67	14.67
LAI-15	5/2/2003	19.76	--	--	--	5.13	14.63	14.63
LAI-15	5/6/2003	19.76	--	--	--	5.55	14.21	14.21
LAI-15	5/9/2003	19.76	--	--	--	5.68	14.08	14.08
LAI-15	5/16/2003	19.76	--	--	--	4.90	14.86	14.86
LAI-15	5/23/2003	19.76	--	--	--	6.12	13.64	13.64
LAI-15	5/28/2003	19.76	--	--	--	6.13	13.63	13.63
LAI-15	6/13/2003	19.76	--	--	--	6.33	13.43	13.43
LAI-15	6/18/2003	19.76	--	--	--	6.35	13.41	13.41
LAI-15	6/27/2003	19.76	--	--	--	6.39	13.37	13.37
LAI-15	7/7/2003	19.76	--	--	--	6.75	13.01	13.01
LAI-15	7/16/2003	19.76	--	--	--	6.03	13.73	13.73
LAI-15	7/31/2003	19.76	--	--	--	6.83	12.93	12.93
LAI-15	8/5/2003	19.76	--	--	--	6.85	12.91	12.91
LAI-15	8/11/2003	19.76	--	--	--	6.93	12.83	12.83
LAI-15	8/22/2003	19.76	--	--	--	8.04	11.72	11.72
LAI-15	8/26/2003	19.76	--	--	--	7.11	12.65	12.65
LAI-15	9/2/2003	19.76	--	--	--	7.21	12.55	12.55
LAI-15	9/9/2003	19.76	--	--	--	7.23	12.53	12.53
LAI-15	9/19/2003	19.76	--	--	--	--	NM	--
LAI-15	10/14/2003	19.76	--	--	--	7.45	12.31	12.31
LAI-15	11/20/2003	19.76	--	--	--	4.11	15.65	15.65
LAI-15	12/3/2003	19.76	--	--	--	3.65	16.11	16.11
LAI-15	1/19/2004	19.76	--	--	--	3.59	16.17	16.17
LAI-15	2/24/2004	19.76	--	--	--	4.26	15.50	15.50
LAI-15	3/15/2004	19.76	--	--	--	5.19	14.57	14.57
LAI-15	4/19/2004	19.76	--	--	--	5.97	13.79	13.79
LAI-15	5/17/2004	19.76	--	--	--	6.42	13.34	13.34
LAI-15	6/22/2004	19.76	--	--	--	6.09	13.67	13.67
LAI-15	8/18/2004	19.76	--	--	--	6.93	12.83	12.83
LAI-15	9/21/2004	19.76	--	--	--	6.05	13.71	13.71
LAI-15	10/19/2004	19.76	--	--	--	5.75	14.01	14.01
LAI-15	11/23/2004	19.76	--	--	--	5.91	13.85	13.85
LAI-15	12/21/2004	19.76	--	--	--	4.28	15.48	15.48
LAI-15	1/13/2005	19.76	--	--	--	5.32	14.44	14.44
LAI-15	4/28/2005	19.76	--	--	--	4.91	14.85	14.85
LAI-15	6/1/2005	20.03	--	--	--	5.17	14.86	14.86
LAI-15	6/29/2005	20.03	--	--	--	5.67	14.36	14.36
LAI-15	7/20/2005	20.03	--	--	--	6.32	13.71	13.71
LAI-15	8/22/2005	20.03	--	--	--	6.62	13.41	13.41
LAI-15	9/12/2005	20.03	--	--	--	6.82	13.21	13.21
LAI-15	10/12/2005	20.03	--	--	--	7.08	12.95	12.95
LAI-15	11/21/2005	20.03	--	--	--	5.04	14.99	14.99
LAI-15	12/27/2005	20.03	--	--	--	3.84	16.19	16.19
LAI-15	1/30/2006	20.03	--	--	--	1.11	18.92	18.92
LAI-15	2/16/2006	20.03	--	--	--	3.52	16.51	16.51
LAI-15	3/13/2006	20.03	--	--	--	4.92	15.11	15.11
LAI-15	4/18/2006	20.03	--	--	--	5.35	14.68	14.68
LAI-15	5/12/2006	20.03	--	--	--	5.61	14.42	14.42
LAI-15	6/9/2006	20.03	--	--	--	5.32	14.71	14.71
LAI-15	7/13/2006	20.03	--	--	--	6.20	13.83	13.83
LAI-15	8/16/2006	20.03	--	--	--	6.60	13.43	13.43
LAI-15	9/19/2006	20.03	--	--	--	7.05	12.98	12.98
LAI-15	10/13/2006	20.03	--	--	--	6.80	13.23	13.23
LAI-15	11/20/2006	20.03	--	--	--	2.53	17.50	17.50
LAI-15	12/8/2006	20.03	--	--	--	3.11	16.92	16.92
LAI-15	1/19/2007	20.03	--	--	--	3.12	16.91	16.91
LAI-15	2/19/2007	20.03	--	--	--	5.10	14.93	14.93
LAI-15	3/15/2007	20.03	--	--	--	4.32	15.71	15.71
LAI-15	4/16/2007	20.03	--	--	--	4.76	15.27	15.27
LAI-15	5/14/2007	20.03	--	--	--	5.88	14.15	14.15
LAI-15	6/29/2007	20.03	--	--	--	6.44	13.59	13.59
LAI-15	7/20/2007	20.03	--	--	--	6.55	13.48	13.48
LAI-15	8/21/2007	20.03	--	--	--	6.74	13.29	13.29
LAI-15	9/10/2007	20.03	--	--	--	6.84	13.19	13.19

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-15	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
LAI-16	3/15/2007	20.59	--	--	--	6.55	14.04	14.04
LAI-16	4/16/2007	20.59	--	--	--	6.89	13.70	13.70

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-16	5/14/2007	20.59	--	--	--	7.54	13.05	13.05
LAI-16	6/29/2007	20.59			Dry			Dry
LAI-16	7/20/2007	20.59			Dry			Dry
LAI-16	8/21/2007	20.59			Dry			Dry
LAI-16	9/10/2007	20.59			Dry			Dry
LAI-16	10/22/2007	20.59			Dry			Dry
LAI-16	11/28/2007	20.59	--	--	--	8.41	12.18	12.18
LAI-16	12/13/2007	20.59	--	--	--	6.65	13.94	13.94
LAI-16	1/21/2008	20.59	--	--	--	6.43	14.16	14.16
LAI-16	2/24/2008	20.59	--	--	--	6.87	13.72	13.72
LAI-16	3/24/2008	20.59	--	--	--	6.95	13.64	13.64
LAI-16	8/25/2008	20.59	--	--	--	7.12	13.47	13.47
LAI-16	2/18/2009	20.59	--	--	--	7.00	13.59	13.59
LAI-16	8/25/2009	20.59			Dry			Dry
LAI-16	3/22/2010	20.59	--	--	--	6.93	13.66	13.66
LAI-16	8/23/2010	20.59			Dry			0.00
LAI-16	2/7/2011	20.59	--	--	--	6.45	14.14	--
LAI-16	5/27/2011	20.59	--	--	--	6.99	13.60	--
LAI-16	11/14/2011	20.59	--	--	--	9.15	11.44	--
LAI-16	2/20/2012	20.59	--	--	--	6.49	14.10	--
LAI-16	8/22/2012	20.59	--	--	--	Dry	--	--
LAI-16	11/5/2012	20.59	--	--	--	9.39	11.20	--
LAI-16	1/28/2013	20.59	--	--	--	6.52	14.07	--
LAI-16	5/9/2013	20.59	--	--	--	6.48	14.11	--
LAI-16	8/19/2013	20.59			DRY			--
LAI-16	11/25/2013	20.59	--	--	--	6.95	13.64	--
LAI-16	2/14/2014	20.59	--	--	--	6.49	14.10	--
LAI-16	5/5/2014	20.59	--	--	--	6.51	14.08	--
LAI-16	8/19/2014	20.59			DRY			--
LAI-16	11/21/2014	20.59	--	--	--	6.70	13.89	--
RW-1	11/20/2002	24.60	8.25	16.35	0.95	9.20	16.11	--
RW-1	11/21/2002	24.60	8.25	16.35	1.15	9.40	16.06	16.83
RW-1	11/22/2002	24.60	8.22	16.38	1.20	9.42	16.08	16.93
RW-1	11/24/2002	24.60	8.35	16.25	1.06	9.41	15.99	16.98
RW-1	1/2/2003	24.60	5.61	18.99	0.21	5.82	18.94	19.10
RW-1	1/3/2003	24.60	5.51	19.09	0.21	5.72	19.04	19.20
RW-1	1/6/2003	24.60	5.35	19.25	0.29	5.64	19.18	19.40
RW-1	1/7/2003	24.60	5.68	18.92	0.28	5.96	18.85	19.06
RW-1	1/8/2003	24.60	5.95	18.65	0.28	6.23	18.58	18.79
RW-1	1/9/2003	24.60	6.03	18.57	0.29	6.32	18.50	18.72
RW-1	1/10/2003	24.60	6.20	18.40	0.30	6.50	18.33	18.55
RW-1	1/13/2003	24.60	6.00	18.60	0.32	6.32	18.52	18.76
RW-1	1/14/2003	24.60	5.72	18.88	0.73	6.45	18.70	19.25
RW-1	1/15/2003	24.60	5.99	18.61	0.19	6.18	18.56	18.71
RW-1	1/16/2003	24.60	6.10	18.50	0.30	6.40	18.43	18.65
RW-1	1/17/2003	24.60	6.15	18.45	0.30	6.45	18.38	18.60
RW-1	1/20/2003	24.60	6.34	18.26	0.35	6.69	18.17	18.44
RW-1	1/22/2003	24.60	5.60	19.00	0.29	5.89	18.93	19.15
RW-1	1/23/2003	24.60	5.80	18.80	0.35	6.15	18.71	18.98
RW-1	1/24/2003	24.60	5.37	19.23	0.38	5.75	19.14	19.42
RW-1	1/27/2003	24.60	4.68	19.92	0.47	5.15	19.80	20.16
RW-1	1/28/2003	24.60	4.66	19.94	0.45	5.11	19.83	20.17
RW-1	1/29/2003	24.60	4.67	19.93	0.46	5.13	19.82	20.16
RW-1	1/30/2003	24.60	4.90	19.70	0.44	5.34	19.59	19.92
RW-1	2/3/2003	24.60	5.65	18.95	0.41	6.06	18.85	19.16
RW-1	2/6/2003	24.24	6.76	17.48	0.40	7.16	17.38	17.68
RW-1	2/11/2003	24.24	7.35	16.89	0.42	7.77	16.79	17.10
RW-1	2/18/2003	24.24	--	--	--	6.55	17.69	17.69
RW-1	2/21/2003	24.24	7.90	16.34	0.93	8.83	16.11	16.81
RW-1	2/26/2003	24.24	7.70	16.54	0.81	8.51	16.34	16.95
RW-1	3/4/2003	24.24	7.11	17.13	0.63	7.74	16.97	17.45
RW-1	3/12/2003	24.24	7.30	16.94	0.46	7.76	16.83	17.17
RW-1	3/14/2003	24.24	6.85	17.39	--	7.31	16.93	16.93
RW-1	3/26/2003	24.24	6.39	17.85	0.13	6.52	17.82	17.92
RW-1	3/28/2003	24.24	7.41	16.83	0.15	7.56	16.79	16.91
RW-1	4/2/2003	24.24	7.45	16.79	0.10	7.55	16.77	16.84
RW-1	4/4/2003	24.24	7.70	16.54	0.05	7.75	16.53	16.57
RW-1	4/8/2003	24.24	7.25	16.99	0.02	7.27	16.99	17.00
RW-1	4/11/2003	24.24	7.15	17.09	0.03	7.18	17.08	17.11
RW-1	4/15/2003	24.24	6.57	17.67	0.02	6.59	17.67	17.68
RW-1	4/17/2003	24.24	7.52	16.72	0.02	7.54	16.72	16.73
RW-1	4/22/2003	24.24	7.53	16.71	0.02	7.55	16.71	16.72
RW-1	4/25/2003	24.24	7.42	16.82	0.01	7.43	16.82	16.83
RW-1	5/2/2003	24.24	8.84	15.40	0.01	8.85	15.40	15.41
RW-1	5/6/2003	24.24	--	--	--	9.02	15.22	15.22
RW-1	5/9/2003	24.24	--	--	--	9.21	15.03	15.03
RW-1	5/23/2003	24.24	--	--	--	9.26	14.98	14.98
RW-1	5/28/2003	24.24	9.35	14.89	0.01	9.36	14.89	14.90
RW-1	6/13/2003	24.24	9.52	14.72	0.49	10.01	14.60	14.97
RW-1	6/18/2003	24.24	9.22	15.02	0.91	10.13	14.79	15.48
RW-1	6/27/2003	24.24	--	--	--	9.81	14.43	14.43
RW-1	7/7/2003	24.24	10.26	13.98	0.03	10.29	13.97	14.00
RW-1	7/16/2003	24.24	10.09	14.15	0.26	10.35	14.09	14.28
RW-1	7/31/2003	24.24	10.34	13.90	0.01	10.35	13.90	13.91
RW-1	8/5/2003	24.24	10.32	13.92	0.08	10.40	13.90	13.96
RW-1	8/11/2003	24.24	11.34	12.90	0.01	11.35	12.90	12.91
RW-1	8/22/2003	24.24	11.34	12.90	0.01	11.35	12.90	12.91
RW-1	8/26/2003	24.24	--	--	--	10.36	13.88	13.88
RW-1	9/2/2003	24.24	--	--	--	10.36	13.88	13.88
RW-1	9/9/2003	24.24	10.33	13.91	0.05	10.38	13.90	13.94
RW-1	9/19/2003	24.24	10.33	13.91	0.03	10.36	13.90	13.93
RW-1	10/14/2003	24.24	--	--	--	10.30	13.94	13.94
RW-1	11/20/2003	24.24	--	--	--	5.52	18.72	18.72
RW-1	12/3/2003	24.24	--	--	--	5.44	18.80	18.80
RW-1	1/19/2004	24.24	--	--	--	5.57	18.67	18.67
RW-1	2/24/2004	24.24	--	--	--	7.45	16.79	16.79
RW-1	3/15/2004	24.24	--	--	--	8.87	15.37	15.37
RW-1	4/19/2004	24.24	--	--	--	9.56	14.68	14.68
RW-1	5/17/2004	24.24	--	--	--	10.14	14.10	14.10
RW-1	6/22/2004	24.24	--	--	--	9.91	14.33	14.33
RW-1	8/18/2004	24.24	10.30	13.94	0.01	10.31	13.94	13.95
RW-1	9/21/2004	24.24	--	--	--	10.05	14.19	14.19
RW-1	10/19/2004	24.24	--	--	--	9.73	14.51	14.51

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-1	11/23/2004	24.24	--	--	--	9.50	14.74	14.74
RW-1	12/21/2004	24.24	--	--	--	6.86	17.38	17.38
RW-1	1/13/2005	24.24	--	--	--	8.32	15.92	15.92
RW-1	4/28/2005	24.24	--	--	--	7.15	17.09	17.09
RW-1	6/1/2005	24.24	--	--	--	7.60	16.64	16.64
RW-1	6/29/2005	24.24			Not Monitored			NM
RW-1	7/20/2005	24.24			Not Monitored			NM
RW-1	8/22/2005	24.24	--	--	--	10.35	13.89	10.97
RW-1	9/12/2005	24.24	--	--	--	10.36	13.88	13.88
RW-1	10/12/2005	24.24	--	--	--	10.40	13.84	13.84
RW-1	11/21/2005	24.24	--	--	--	9.09	15.15	15.15
RW-1	12/27/2005	24.24	--	--	--	5.72	18.52	18.52
RW-1	1/30/2006	24.24	--	--	--	4.34	19.90	19.90
RW-1	2/16/2006	24.24	--	--	--	5.86	18.38	18.38
RW-1	3/13/2006	24.24	--	--	--	7.51	16.73	16.73
RW-1	4/18/2006	24.24	--	--	--	7.05	17.19	17.19
RW-1	5/12/2006	24.24	--	--	--	8.53	15.71	15.71
RW-1	6/9/2006	24.24	--	--	--	7.70	16.54	16.54
RW-1	7/13/2006	24.24	--	--	--	9.44	14.80	14.80
RW-1	8/16/2006	24.24	--	--	--	10.35	13.89	13.89
RW-1	9/19/2006	24.24	--	--	--	10.42	13.82	13.82
RW-1	10/13/2006	24.24	--	--	--	10.45	13.79	13.79
RW-1	11/20/2006	24.24	--	--	--	5.15	19.09	19.09
RW-1	12/8/2006	24.24	--	--	--	5.51	18.73	18.73
RW-1	1/19/2007	24.24	--	--	--	5.02	19.22	19.22
RW-1	2/19/2007	24.24	--	--	--	6.70	17.54	17.54
RW-1	3/15/2007	24.24	--	--	--	5.51	18.73	18.73
RW-1	4/16/2007	24.24	--	--	--	7.32	16.92	16.92
RW-1	5/14/2007	24.24	--	--	--	9.05	15.19	15.19
RW-1	6/29/2007	24.24	--	--	--	10.21	14.03	14.03
RW-1	7/20/2007	24.24	--	--	--	Dry	NM	Dry
RW-1	8/21/2007	24.24	--	--	--	10.35	13.89	13.89
RW-1	9/10/2007	24.24	--	--	--	Dry	NM	Dry
RW-1	10/22/2007	24.24	--	--	--	7.38	16.86	16.86
RW-1	11/28/2007	24.24	--	--	--	7.98	16.26	16.26
RW-1	12/13/2007	24.24	--	--	--	6.57	17.67	17.67
RW-1	1/21/2008	24.24	--	--	--	5.97	18.27	18.27
RW-1	2/24/2008	24.24	--	--	--	8.78	15.46	15.46
RW-1	3/24/2008	24.24	--	--	--	5.95	18.29	18.29
RW-1	8/25/2008	24.24	--	--	--	6.02	18.22	18.22
RW-1	2/18/2009	24.24	--	--	--	9.13	15.11	15.11
RW-1	8/25/2009	24.24	--	--	--	10.39	13.85	13.85
RW-1	3/22/2010	24.24	--	--	--	7.96	16.28	16.28
RW-1	8/23/2010	24.24	--	--	--	10.37	13.87	13.87
RW-1	2/7/2011	24.24	--	--	--	5.69	18.55	--
RW-1	5/27/2011	24.24	--	--	--	7.56	16.68	--
RW-1	8/8/2011	24.24			Dry			
RW-1	11/14/2011	24.24	--	--	--	9.45	14.79	--
RW-1	2/20/2012	24.24	--	--	--	5.53	18.71	--
RW-1	8/22/2012	24.24	--	--	--	10.23	14.01	--
RW-1	11/5/2012	24.24	--	--	--	5.52	18.72	--
RW-1	1/28/2013	24.24	--	--	--	6.16	18.08	--
RW-1	5/9/2013	24.24	--	--	--	8.41	15.83	--
RW-1	8/19/2013	24.24	--	--	--	10.37	13.87	--
RW-1	11/25/2013	24.24	--	--	--	7.47	16.77	--
RW-1	2/14/2014	24.24	--	--	--	4.36	19.88	--
RW-1	5/5/2014	24.24	--	--	--	3.96	20.28	--
RW-1	8/19/2014	24.24	--	--	--	10.43	13.81	--
RW-1	11/21/2014	24.24	--	--	--	5.41	18.83	--
RW-1	9/16/2020	24.60	--	--	--	7.93	16.67	--
RW-2	11/20/2002	24.58	8.05	16.53	1.35	9.40	16.19	--
RW-2	11/21/2002	24.58	8.00	16.58	1.40	9.40	16.23	17.21
RW-2	11/22/2002	24.58	8.00	16.58	1.41	9.41	16.23	17.28
RW-2	11/24/2002	24.58	8.21	16.37	1.49	9.70	16.00	17.29
RW-2	1/2/2003	24.58	6.11	18.47	2.27	8.38	17.90	19.61
RW-2	1/6/2003	24.58	5.40	19.18	2.78	8.18	18.49	20.57
RW-2	1/7/2003	24.58	6.41	18.17	0.54	6.95	18.04	18.44
RW-2	1/8/2003	24.58	7.67	16.91	0.01	7.68	16.91	16.92
RW-2	1/9/2003	24.58	8.72	15.86	0.01	8.73	15.86	15.87
RW-2	1/10/2003	24.58	6.38	18.20	0.54	6.92	18.07	18.47
RW-2	1/13/2003	24.58	8.42	16.16	0.10	8.52	16.14	16.21
RW-2	1/14/2003	24.58	6.17	18.41	1.32	7.49	18.08	19.07
RW-2	1/15/2003	24.58	5.95	18.63	0.85	6.80	18.42	19.06
RW-2	1/16/2003	24.58	6.51	18.07	1.00	7.51	17.82	18.57
RW-2	1/17/2003	24.58	6.40	18.18	1.12	7.52	17.90	18.74
RW-2	1/20/2003	24.58	6.35	18.23	1.59	7.94	17.83	19.03
RW-2	1/22/2003	24.58	5.86	18.72	2.74	8.60	18.04	20.09
RW-2	1/23/2003	24.58	5.92	18.66	3.23	9.15	17.85	20.28
RW-2	1/24/2003	24.58	5.37	19.21	0.62	5.99	19.06	19.52
RW-2	1/27/2003	24.58	4.69	19.89	0.53	5.22	19.76	20.16
RW-2	1/28/2003	24.58	4.83	19.75	3.71	8.54	18.82	21.61
RW-2	1/29/2003	24.58	4.82	19.76	3.66	8.48	18.85	21.59
RW-2	1/30/2003	24.58	4.95	19.63	0.94	5.89	19.40	20.10
RW-2	2/3/2003	24.58	5.29	19.29	3.82	9.11	18.34	21.20
RW-2	2/6/2003	24.19	6.16	18.03	3.48	9.64	17.16	19.77
RW-2	2/11/2003	24.19	6.61	17.58	3.17	9.78	16.79	19.17
RW-2	2/18/2003	24.19	7.46	16.73	2.72	10.18	16.05	18.09
RW-2	2/21/2003	24.19	7.40	16.79	2.76	10.16	16.10	18.17
RW-2	2/26/2003	24.19	7.66	16.53	0.69	8.35	16.36	16.88
RW-2	3/4/2003	24.19	7.15	17.04	1.42	8.57	16.69	17.75
RW-2	3/12/2003	24.19	7.60	16.59	0.02	7.62	16.59	16.60
RW-2	3/14/2003	24.19	7.38	16.81	1.61	8.99	16.41	17.62
RW-2	3/26/2003	24.19	6.85	17.34	0.70	7.55	17.17	17.69
RW-2	3/28/2003	24.19	7.48	16.71	0.87	8.35	16.49	17.15
RW-2	4/2/2003	24.19	7.55	16.64	0.86	8.41	16.43	17.07
RW-2	4/4/2003	24.19	7.95	16.24	0.56	8.51	16.10	16.52
RW-2	4/8/2003	24.19	8.02	16.17	0.03	8.05	16.16	16.19
RW-2	4/11/2003	24.19	8.22	15.97	0.01	8.23	15.97	15.98
RW-2	4/15/2003	24.19	--	--	--	7.68	16.51	16.51
RW-2	4/17/2003	24.19	8.34	15.85	0.06	8.40	15.84	15.88
RW-2	4/22/2003	24.19	8.36	15.83	0.16	8.52	15.79	15.91
RW-2	4/25/2003	24.19	8.30	15.89	0.11	8.41	15.86	15.95
RW-2	5/2/2003	24.19	8.75	15.44	0.31	9.06	15.36	15.60

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-2	5/6/2003	24.19	8.82	15.37	0.61	9.43	15.22	15.68
RW-2	5/9/2003	24.19	9.16	15.03	0.62	9.78	14.88	15.34
RW-2	5/23/2003	24.19	9.15	15.04	1.42	10.57	14.69	15.75
RW-2	5/28/2003	24.19	8.95	15.24	1.49	10.44	14.87	15.99
RW-2	6/13/2003	24.19	9.24	14.95	1.35	10.59	14.61	15.63
RW-2	6/18/2003	24.19	9.20	14.99	1.31	10.51	14.66	15.65
RW-2	6/27/2003	24.19	9.23	14.96	1.26	10.49	14.65	15.59
RW-2	7/7/2003	24.19	10.01	14.18	0.42	10.43	14.08	14.39
RW-2	7/16/2003	24.19	9.83	14.36	0.71	10.54	14.18	14.72
RW-2	7/31/2003	24.19	10.31	13.88	0.15	10.46	13.84	13.96
RW-2	8/5/2003	24.19	10.28	13.91	0.22	10.50	13.86	14.02
RW-2	8/11/2003	24.19	--	--	--	11.38	12.81	12.81
RW-2	8/22/2003	24.19	--	--	--	11.38	12.81	12.81
RW-2	8/26/2003	24.19	--	--	--	11.26	12.93	12.93
RW-2	9/2/2003	24.19	--	--	--	10.40	13.79	13.79
RW-2	9/9/2003	24.19	10.34	13.85	0.06	10.40	13.84	13.88
RW-2	9/19/2003	24.19	--	--	--	10.70	13.49	13.49
RW-2	10/14/2003	24.19	--	--	--	10.38	13.81	13.81
RW-2	11/20/2003	24.19	--	--	--	7.66	16.53	16.53
RW-2	12/3/2003	24.19	--	--	--	6.65	17.54	17.54
RW-2	1/19/2004	24.19	--	--	--	7.13	17.06	17.06
RW-2	2/24/2004	24.19	--	--	--	7.92	16.27	16.27
RW-2	3/15/2004	24.19			Not Monitored			--
RW-2	4/19/2004	24.19	--	NA	--	10.01	14.18	--
RW-2	5/17/2004	24.19			Not Monitored			--
RW-2	6/22/2004	24.19	--	NA	--	10.08	14.11	14.11
RW-2	8/18/2004	24.19	--	NA	--	10.44	13.75	13.75
RW-2	9/21/2004	24.19	9.95	14.24	0.18	10.13	14.20	14.33
RW-2	10/19/2004	24.19	9.04	15.15	0.08	9.12	15.13	15.19
RW-2	11/23/2004	24.19	7.82	16.37	0.50	8.32	16.25	16.62
RW-2	12/21/2004	24.19	--	--	--	6.95	17.24	17.24
RW-2	1/13/2005	24.19	--	--	--	8.39	15.80	15.80
RW-2	4/28/2005	24.19	--	--	--	8.20	15.99	15.99
RW-2	6/1/2005	24.19	--	--	--	9.62	14.57	14.57
RW-2	6/29/2005	24.19	--	--	--	10.41	13.78	13.78
RW-2	7/20/2005	24.19	--	--	--	10.90	13.29	13.29
RW-2	8/22/2005	24.19	10.94	13.25	0.04	10.98	13.24	13.27
RW-2	5/27/2011	24.19			Not Monitored			
RWx-2	9/12/2005	26.20	--	--	--	12.55	13.65	13.65
RWx-2	10/12/2005	26.20	13.81	12.39	0.61	14.42	12.24	12.70
RWx-2	11/21/2005	26.20	11.20	15.00	1.13	12.33	14.72	15.57
RWx-2	12/27/2005	26.20	--	--	--	9.50	16.70	16.70
RWx-2	1/30/2006	26.20	--	--	--	6.55	19.65	19.65
RWx-2	2/16/2006	26.20	--	--	--	9.00	17.20	17.20
RWx-2	3/13/2006	26.20	--	--	--	9.85	16.35	16.35
RWx-2	4/18/2006	26.20	--	--	--	10.16	16.04	16.04
RWx-2	5/12/2006	26.20	--	--	--	10.56	15.64	15.64
RWx-2	6/9/2006	26.20	--	--	--	10.13	16.07	16.07
RWx-2	7/13/2006	26.20	--	--	--	12.61	13.59	13.59
RWx-2	8/16/2006	26.20	12.28	13.92	0.62	12.90	13.77	14.23
RWx-2	9/19/2006	26.20	--	--	--	12.95	13.25	13.25
RWx-2	10/13/2006	26.20	12.66	13.54	0.97	13.63	13.30	14.03
RWx-2	11/20/2006	26.20	7.13	19.07	0.37	7.50	18.98	19.26
RWx-2	12/8/2006	26.20	7.83	18.37	0.34	8.17	18.29	18.54
RWx-2	1/19/2007	26.20	7.06	19.14	0.25	7.31	19.08	19.27
RWx-2	2/19/2007	26.20	9.95	16.25	0.30	10.25	16.18	16.40
RWx-2	3/15/2007	26.20	8.50	17.70	0.04	8.54	17.69	17.72
RWx-2	4/16/2007	26.20	--	--	--	9.57	16.63	16.63
RWx-2	5/14/2007	26.20	11.12	15.08	0.00	11.12	15.08	15.08
RWx-2	6/29/2007	26.20	--	--	--	12.04	14.16	14.16
RWx-2	7/20/2007	26.20	--	--	--	12.51	13.69	13.69
RWx-2	8/21/2007	26.20	--	--	--	13.80	12.40	12.40
RWx-2	9/10/2007	26.20	--	--	--	13.84	12.36	12.36
RWx-2	10/22/2007	26.20	--	--	--	12.33	13.87	13.87
RWx-2	11/28/2007	26.20	9.80	16.40	1.00	10.80	16.15	16.90
RWx-2	12/13/2007	26.20	--	--	--	10.56	15.64	15.64
RWx-2	1/21/2008	26.20	10.41	15.79	0.09	10.50	15.77	15.84
RWx-2	2/24/2008	26.20	--	--	--	11.17	15.03	15.03
RWx-2	3/24/2008	26.20	--	--	--	11.10	15.10	15.10
RWx-2	8/25/2008	26.20	12.48	13.72	0.02	12.50	13.72	13.73
RWx-2	2/18/2009	26.20	--	--	--	11.15	15.05	15.05
RWx-2	8/25/2009	26.20	--	--	--	13.81	12.39	12.39
RWx-2	3/22/2010	26.20	--	--	--	9.40	16.80	16.80
RWx-2	8/23/2010	26.20	--	--	--	10.60	15.60	15.60
RWx-2	2/7/2011	26.20	--	--	--	9.21	16.99	--
RWx-2	5/27/2011	26.20			Not Monitored			
RWX-2	11/14/2016	26.20	--	--	--	6.32	19.88	--
RWX-2	11/18/2016	26.20	--	--	--	--	--	13.98
RWX-2	2/17/2017	26.20	6.17	20.03	0.01	6.18	20.03	14.36
RWX-2	5/26/2017	26.20	--	--	--	8.29	17.91	14.49
RWX-2	9/26/2017	26.20	--	--	--	13.84	12.36	--
RWX-2	9/28/2017	--	--	--	--	--	--	--
RWX-2	12/14/2017	26.20	--	--	--	5.78	20.42	--
RWX-2	2/26/2018	26.20	--	--	--	6.82	19.38	--
RWX-2	6/11/2018	26.20	--	--	--	10.49	15.71	--
RWX-2	6/27/2018	26.20	--	--	--	11.09	15.11	--
RWX-2	8/29/2018	26.20	--	--	--	14.19	12.01	--
RWX-2	12/17/2018	26.20	--	--	--	5.39	20.81	--
RWX-2	9/16/2020	26.20	--	--	--	13.29	12.91	--
RW-3	11/20/2002	22.03	8.45	13.58	0.80	9.25	13.38	--
RW-3	11/21/2002	22.03	8.27	13.76	1.20	9.47	13.46	--
RW-3	11/22/2002	22.03	8.18	13.85	1.28	9.46	13.53	--
RW-3	11/24/2002	22.03	7.94	14.09	1.68	9.62	13.67	14.93
RW-3	1/2/2003	22.03	6.52	15.51	0.04	6.56	15.50	15.53
RW-3	1/3/2003	22.03	6.38	15.65	0.23	6.61	15.59	15.77
RW-3	1/6/2003	22.03	5.92	16.11	0.03	5.95	16.10	16.13
RW-3	1/7/2003	22.03	5.81	16.22	0.04	5.85	16.21	16.24
RW-3	1/8/2003	22.03	5.74	16.29	0.05	5.79	16.28	16.32
RW-3	1/9/2003	22.03	5.78	16.25	0.05	5.83	16.24	16.28
RW-3	1/10/2003	22.03	5.88	16.15	0.05	5.93	16.14	16.18
RW-3	1/13/2003	22.03	6.02	16.01	0.08	6.10	15.99	16.05
RW-3	1/14/2003	22.03	5.97	16.06	0.09	6.06	16.04	16.11

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-3	1/15/2003	22.03	5.87	16.16	0.12	5.99	16.13	16.22
RW-3	1/16/2003	22.03	5.89	16.14	0.09	5.98	16.12	16.19
RW-3	1/17/2003	22.03	5.85	16.18	0.07	5.92	16.16	16.22
RW-3	1/20/2003	22.03	5.98	16.05	0.13	6.11	16.02	16.12
RW-3	1/22/2003	22.03	5.91	16.12	0.09	6.00	16.10	16.17
RW-3	1/23/2003	22.03	6.20	15.83	0.49	6.69	15.71	16.08
RW-3	1/24/2003	22.03	6.02	16.01	0.24	6.26	15.95	16.13
RW-3	1/27/2003	22.03	5.57	16.46	0.08	5.65	16.44	16.50
RW-3	1/28/2003	22.03	5.55	16.48	0.07	5.62	16.46	16.52
RW-3	1/29/2003	22.03	5.44	16.59	0.06	5.50	16.58	16.62
RW-3	1/30/2003	22.03	5.56	16.47	0.06	5.62	16.46	16.50
RW-3	2/3/2003	22.03	5.75	16.28	0.10	5.85	16.26	16.33
RW-3	2/6/2003	22.85	6.44	16.41	0.12	6.56	16.38	16.47
RW-3	2/11/2003	22.85	6.81	16.04	0.32	7.13	15.96	16.20
RW-3	2/18/2003	22.85	7.29	15.56	0.88	8.17	15.34	16.00
RW-3	2/21/2003	22.85	7.19	15.66	0.75	7.94	15.47	16.04
RW-3	2/26/2003	22.85	6.73	16.12	0.31	7.04	16.04	16.28
RW-3	3/4/2003	22.85	6.83	16.02	0.34	7.17	15.94	16.19
RW-3	3/12/2003	22.85	7.38	15.47	0.06	7.44	15.46	15.50
RW-3	3/14/2003	22.85	7.21	15.64	0.07	7.28	15.62	15.68
RW-3	3/26/2003	22.85	6.52	16.33	0.01	6.53	16.33	16.34
RW-3	3/28/2003	22.85	--	--	--	7.09	15.76	15.76
RW-3	4/2/2003	22.85	--	--	--	7.05	15.80	15.80
RW-3	4/4/2003	22.85	--	--	--	7.26	15.59	15.59
RW-3	4/8/2003	22.85	--	--	--	6.90	15.95	15.95
RW-3	4/11/2003	22.85	--	--	--	7.51	15.34	15.34
RW-3	4/15/2003	22.85	--	--	--	6.67	16.18	16.18
RW-3	4/17/2003	22.85	--	--	--	7.61	15.24	15.24
RW-3	4/22/2003	22.85	--	--	--	7.61	15.24	15.24
RW-3	4/25/2003	22.85	--	--	--	7.22	15.63	15.63
RW-3	5/2/2003	22.85	8.21	14.64	0.25	8.46	14.58	14.77
RW-3	5/6/2003	22.85	8.51	14.34	0.24	8.75	14.28	14.46
RW-3	5/9/2003	22.85	8.71	14.14	0.12	8.83	14.11	14.20
RW-3	5/23/2003	22.85	9.74	13.11	0.03	9.77	13.10	13.13
RW-3	5/28/2003	22.85	8.75	14.10	0.01	8.76	14.10	14.11
RW-3	6/13/2003	22.85	9.19	13.66	0.02	9.21	13.66	13.67
RW-3	6/18/2003	22.85	9.16	13.69	0.06	9.22	13.68	13.72
RW-3	6/27/2003	22.85	--	--	--	9.50	13.35	13.35
RW-3	7/7/2003	22.85	10.05	12.80	0.06	10.11	12.79	12.83
RW-3	7/16/2003	22.85	10.02	12.83	0.01	10.03	12.83	12.84
RW-3	7/31/2003	22.85	10.18	12.67	0.11	10.29	12.64	12.73
RW-3	8/5/2003	22.85	--	--	--	Dry	NM	Dry
RW-3	8/11/2003	22.85	11.00	11.85	0.30	11.30	11.78	12.00
RW-3	8/22/2003	22.85	10.98	11.87	0.29	11.27	11.80	12.02
RW-3	8/26/2003	22.85	--	--	--	11.14	11.71	11.71
RW-3	9/2/2003	22.85	--	--	--	10.28	12.57	12.57
RW-3	9/9/2003	22.85	--	--	--	10.29	12.56	12.56
RW-3	9/19/2003	22.85	--	--	--	10.29	12.56	12.56
RW-3	10/14/2003	22.85	--	--	--	10.30	12.55	12.55
RW-3	11/20/2003	22.85	7.16	15.69	1.29	8.45	15.37	16.34
RW-3	12/3/2003	22.85	6.72	16.13	0.05	6.77	16.12	16.16
RW-3	1/19/2004	22.85	--	--	--	6.26	16.59	16.59
RW-3	2/24/2004	22.85	--	--	--	6.72	16.13	16.13
RW-3	3/15/2004	22.85	--	--	--	7.78	15.07	15.07
RW-3	4/19/2004	22.85	--	--	--	8.71	14.14	14.14
RW-3	5/17/2004	22.85	9.73	13.12	0.01	9.74	13.12	13.13
RW-3	6/22/2004	22.85	9.36	13.49	0.02	9.38	13.49	13.50
RW-3	8/18/2004	22.85	--	--	--	10.26	12.59	12.59
RW-3	9/21/2004	22.85	--	--	--	10.00	12.85	12.85
RW-3	10/19/2004	22.85	--	--	--	8.21	14.64	14.64
RW-3	11/23/2004	22.85	--	--	--	9.18	13.67	13.67
RW-3	12/21/2004	22.85	--	--	--	6.71	16.14	16.14
RW-3	1/13/2005	22.85	--	--	--	7.73	15.12	15.12
RW-3	4/28/2005	22.85	--	--	--	6.78	16.07	16.07
RW-3	6/1/2005	22.85	--	--	--	7.10	15.75	15.75
RW-3	6/29/2005	22.85	--	--	--	8.72	14.13	14.13
RW-3	7/20/2005	22.85	--	--	--	9.20	13.65	13.65
RW-3	8/22/2005	22.85	--	--	--	9.50	13.35	13.35
RW-3	9/12/2005	22.85	--	--	--	9.28	13.57	13.57
RW-3	10/12/2005	22.85	--	--	--	9.29	13.56	13.56
RW-3	11/21/2005	22.85	--	--	--	7.25	15.60	15.60
RW-3	12/27/2005	22.85	--	--	--	4.12	18.73	18.73
RW-3	1/30/2006	22.85	--	--	--	2.41	20.44	20.44
RW-3	2/16/2006	22.85	--	--	--	4.69	18.16	18.16
RW-3	3/13/2006	22.85	--	--	--	5.89	16.96	16.96
RW-3	4/18/2006	22.85	--	--	--	6.02	16.83	16.83
RW-3	5/12/2006	22.85	--	--	--	6.74	16.11	16.11
RW-3	6/9/2006	22.85	--	--	--	6.28	16.57	16.57
RW-3	7/13/2006	22.85	--	--	--	7.56	15.29	15.29
RW-3	8/16/2006	22.85	--	--	--	8.75	14.10	14.10
RW-3	9/19/2006	22.85	--	--	--	9.30	13.55	13.55
RW-3	10/13/2006	22.85	--	--	--	9.13	13.72	13.72
RW-3	11/20/2006	22.85	--	--	--	3.63	19.22	19.22
RW-3	12/8/2006	22.85	--	--	--	4.01	18.84	18.84
RW-3	1/19/2007	22.85	--	--	--	3.48	19.37	19.37
RW-3	2/19/2007	22.85	--	--	--	6.21	16.64	16.64
RW-3	3/15/2007	22.85	--	--	--	4.97	17.88	17.88
RW-3	4/16/2007	22.85	--	--	--	5.81	17.04	17.04
RW-3	5/14/2007	22.85	--	--	--	7.30	15.55	15.55
RW-3	6/29/2007	22.85	--	--	--	8.57	14.28	14.28
RW-3	7/20/2007	22.85	--	--	--	9.05	13.80	13.80
RW-3	8/21/2007	22.85	--	--	--	9.30	13.55	13.55
RW-3	9/10/2007	22.85	--	--	--	9.29	13.56	13.56
RW-3	10/22/2007	22.85	--	--	--	8.02	14.83	14.83
RW-3	11/28/2007	22.85	--	--	--	7.51	15.34	15.34
RW-3	12/13/2007	22.85	--	--	--	6.82	16.03	16.03
RW-3	1/21/2008	22.85	--	--	--	6.29	16.56	16.56
RW-3	2/24/2008	22.85	--	--	--	7.00	15.85	15.85
RW-3	3/24/2008	22.85	--	--	--	6.68	16.17	16.17
RW-3	8/25/2008	22.85	--	--	--	8.15	14.70	14.70
RW-3	2/18/2009	22.85	--	--	--	7.24	15.61	15.61
RW-3	8/25/2009	22.85	--	--	--	9.33	13.52	13.52
RW-3	3/22/2010	22.85	--	--	--	6.24	16.61	16.61
RW-3	8/23/2010	22.85	--	--	--	8.85	14.00	14.00

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-3	2/7/2011	22.85	--	--	--	5.16	17.69	--
RW-3	5/27/2011	22.85	--	--	--	6.38	16.47	--
RW-3	8/8/2011	22.85	--	--	--	8.97	13.88	--
RW-3	11/14/2011	22.85	--	--	--	8.10	14.75	--
RW-3	2/20/2012	22.85	--	--	--	4.77	18.08	--
RW-3	8/22/2012	22.85	--	--	--	8.58	14.27	--
RW-3	11/5/2012	22.85	--	--	--	5.12	17.73	--
RW-3	1/28/2013	22.85	--	--	--	4.98	17.87	--
RW-3	5/9/2013	22.85	--	--	--	6.83	16.02	--
RW-3	8/19/2013	22.85	--	--	--	9.31	13.54	--
RW-3	11/25/2013	22.85	--	--	--	6.85	16.00	--
RW-3	2/14/2014	22.85	--	--	--	4.64	18.21	--
RW-3	5/5/2014	22.85	--	--	--	4.14	18.71	--
RW-3	8/19/2014	22.85	--	--	--	9.31	13.54	--
RW-3	11/21/2014	22.85	--	--	--	6.69	16.16	--
RW-3	9/16/2020	22.03	--	--	--	9.08	12.95	--
RW-4	11/20/2002	23.02	7.50	15.52	2.64	10.14	14.86	--
RW-4	11/21/2002	23.02	7.50	15.52	2.64	10.14	14.86	16.84
RW-4	11/22/2002	23.02	8.37	14.65	0.77	9.14	14.46	16.84
RW-4	11/24/2002	23.02	7.57	15.45	2.52	10.09	14.82	15.04
RW-4	1/3/2003	23.02	6.31	16.71	0.50	6.81	16.59	16.96
RW-4	1/6/2003	23.02	6.02	17.00	0.04	6.06	16.99	17.02
RW-4	1/7/2003	23.02	5.74	17.28	0.18	5.92	17.24	17.37
RW-4	1/8/2003	23.02	5.67	17.35	0.14	5.81	17.32	17.42
RW-4	1/9/2003	23.02	5.67	17.35	0.19	5.86	17.30	17.45
RW-4	1/10/2003	23.02	5.76	17.26	0.25	6.01	17.20	17.39
RW-4	1/13/2003	23.02	5.80	17.22	0.35	6.15	17.13	17.40
RW-4	1/14/2003	23.02	5.85	17.17	0.29	6.14	17.10	17.32
RW-4	1/15/2003	23.02	5.05	17.97	1.80	6.85	17.52	18.87
RW-4	1/16/2003	23.02	5.78	17.24	0.27	6.05	17.17	17.38
RW-4	1/17/2003	23.02	5.72	17.30	0.27	5.99	17.23	17.44
RW-4	1/20/2003	23.02	5.84	17.18	0.30	6.14	17.11	17.33
RW-4	1/22/2003	23.02	5.82	17.20	0.34	6.16	17.12	17.37
RW-4	1/23/2003	23.02	6.12	16.90	0.58	6.70	16.76	17.19
RW-4	1/24/2003	23.02	5.97	17.05	0.38	6.35	16.96	17.24
RW-4	1/27/2003	23.02	5.51	17.51	0.13	5.64	17.48	17.58
RW-4	1/28/2003	23.02	5.50	17.52	0.10	5.60	17.50	17.57
RW-4	1/29/2003	23.02	5.36	17.66	0.07	5.43	17.64	17.70
RW-4	1/30/2003	23.02	5.45	17.57	0.13	5.58	17.54	17.64
RW-4	2/3/2003	23.02	5.66	17.36	0.21	5.87	17.31	17.47
RW-4	2/6/2003	23.78	6.35	17.43	0.28	6.63	17.36	17.57
RW-4	2/11/2003	23.78	6.75	17.03	0.39	7.14	16.93	17.23
RW-4	2/18/2003	23.78	7.22	16.56	1.07	8.29	16.29	17.10
RW-4	2/21/2003	23.78	7.10	16.68	0.97	8.07	16.44	17.17
RW-4	2/26/2003	23.78	6.74	17.04	0.84	7.58	16.83	17.46
RW-4	3/4/2003	23.78	7.08	16.70	0.14	7.22	16.67	16.77
RW-4	3/12/2003	23.78	7.34	16.44	0.41	7.75	16.34	16.65
RW-4	3/14/2003	23.78	7.20	16.58	0.64	7.84	16.42	16.90
RW-4	3/26/2003	23.78	6.61	17.17	0.40	7.01	17.07	17.37
RW-4	3/28/2003	23.78	7.15	16.63	0.47	7.62	16.51	16.87
RW-4	4/2/2003	23.78	7.21	16.57	0.24	7.45	16.51	16.69
RW-4	4/4/2003	23.78	7.52	16.26	0.15	7.67	16.22	16.34
RW-4	4/8/2003	23.78	--	--	--	7.26	16.52	16.52
RW-4	4/11/2003	23.78	7.72	16.06	0.03	7.75	16.05	16.08
RW-4	4/15/2003	23.78	7.14	16.64	0.06	7.20	16.63	16.67
RW-4	4/17/2003	23.78	7.82	15.96	0.08	7.90	15.94	16.00
RW-4	4/22/2003	23.78	7.87	15.91	0.08	7.95	15.89	15.95
RW-4	4/25/2003	23.78	7.91	15.87	0.11	8.02	15.84	15.93
RW-4	5/2/2003	23.78	8.32	15.46	0.13	8.45	15.43	15.53
RW-4	5/6/2003	23.78	8.50	15.28	0.31	8.81	15.20	15.44
RW-4	5/9/2003	23.78	8.72	15.06	0.36	9.08	14.97	15.24
RW-4	5/23/2003	23.78	8.92	14.86	1.11	10.03	14.58	15.42
RW-4	5/28/2003	23.78	8.80	14.98	0.02	8.82	14.98	14.99
RW-4	6/13/2003	23.78	8.90	14.88	1.72	10.62	14.45	15.74
RW-4	6/18/2003	23.78	8.85	14.93	1.96	10.81	14.44	15.91
RW-4	6/27/2003	23.78	9.40	14.38	1.42	10.82	14.03	15.09
RW-4	7/7/2003	23.78	9.54	14.24	1.27	10.81	13.92	14.88
RW-4	7/16/2003	23.78	9.41	14.37	1.40	10.81	14.02	15.07
RW-4	7/31/2003	23.78	9.95	13.83	0.85	10.80	13.62	14.26
RW-4	8/5/2003	23.78	9.82	13.96	0.98	10.80	13.72	14.45
RW-4	8/11/2003	23.78	10.84	12.94	0.94	11.78	12.71	13.41
RW-4	8/22/2003	23.78	10.87	12.91	0.92	11.79	12.68	13.37
RW-4	8/26/2003	23.78	10.36	13.42	0.44	10.80	13.31	13.64
RW-4	9/2/2003	23.78	10.22	13.56	0.58	10.80	13.42	13.85
RW-4	9/9/2003	23.78	--	--	--	10.80	12.98	12.98
RW-4	9/19/2003	23.78	--	--	--	10.81	12.97	12.97
RW-4	10/14/2003	23.78	--	--	--	10.80	12.98	12.98
RW-4	11/20/2003	23.78	7.96	15.82	1.54	9.50	15.44	16.59
RW-4	12/3/2003	23.78	6.75	17.03	1.03	7.78	16.77	17.55
RW-4	1/19/2004	23.78	6.18	17.60	0.06	6.24	17.59	17.63
RW-4	2/24/2004	23.78	6.97	16.81	0.06	7.03	16.80	16.84
RW-4	3/15/2004	23.78	--	--	--	8.10	15.68	15.68
RW-4	4/19/2004	23.78	--	--	--	8.71	15.07	15.07
RW-4	5/17/2004	23.78	--	--	--	9.73	14.05	14.05
RW-4	6/22/2004	23.78	--	--	--	9.57	14.21	14.21
RW-4	8/18/2004	23.78	10.35	13.43	0.42	10.77	13.33	13.64
RW-4	9/21/2004	23.78	9.53	14.25	0.19	9.72	14.20	14.35
RW-4	10/19/2004	23.78	8.63	15.15	0.39	9.02	15.05	15.35
RW-4	11/23/2004	23.78	8.94	14.84	0.05	8.99	14.83	14.87
RW-4	12/21/2004	23.78	6.68	17.10	0.08	6.76	17.08	17.14
RW-4	1/13/2005	23.78	--	--	--	7.74	16.04	16.04
RW-4	4/28/2005	23.78	--	--	--	6.77	17.01	17.01
RW-4	6/1/2005	23.78	--	--	--	7.02	16.76	16.76
RW-4	6/29/2005	23.78			Not Monitored			NM
RW-4	7/20/2005	23.78			Not Monitored			NM
RW-4	8/22/2005	23.78	--	--	--	9.50	14.28	11.18
RW-4	9/12/2005	23.78	--	--	--	10.31	13.47	13.47
RW-4	10/12/2005	23.78	10.69	13.09	0.13	10.82	13.06	13.16
RW-4	11/21/2005	23.78	--	--	--	8.40	15.38	15.38
RW-4	12/27/2005	23.78	--	--	--	5.14	18.64	18.64
RW-4	1/30/2006	23.78	--	--	--	3.40	20.38	20.38
RW-4	2/16/2006	23.78	--	--	--	5.65	18.13	18.13
RW-4	3/13/2006	23.78	--	--	--	6.81	16.97	16.97

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-4	4/18/2006	23.78	--	--	--	6.95	16.83	16.83
RW-4	5/12/2006	23.78	--	--	--	7.69	16.09	16.09
RW-4	6/9/2006	23.78	--	--	--	7.25	16.53	16.53
RW-4	7/13/2006	23.78	--	--	--	8.56	15.22	15.22
RW-4	8/16/2006	23.78	--	--	--	9.70	14.08	14.08
RW-4	9/19/2006	23.78	--	--	--	10.30	13.48	13.48
RW-4	10/13/2006	23.78	--	--	--	10.05	13.73	13.73
RW-4	11/20/2006	23.78	--	--	--	4.64	19.14	19.14
RW-4	12/8/2006	23.78	--	--	--	5.00	18.78	18.78
RW-4	1/19/2007	23.78	--	--	--	4.47	19.31	19.31
RW-4	2/19/2007	23.78	--	--	--	7.16	16.62	16.62
RW-4	3/15/2007	23.78	--	--	--	5.91	17.87	17.87
RW-4	4/16/2007	23.78	--	--	--	6.75	17.03	17.03
RW-4	5/14/2007	23.78	--	--	--	8.22	15.56	15.56
RW-4	6/29/2007	23.78	--	--	--	9.54	14.24	14.24
RW-4	7/20/2007	23.78	--	--	--	10.02	13.76	13.76
RW-4	8/21/2007	23.78	--	--	--	10.72	13.06	13.06
RW-4	9/10/2007	23.78	--	--	--	10.71	13.07	13.07
RW-4	10/22/2007	23.78	--	--	--	8.88	14.90	14.90
RW-4	11/28/2007	23.78			Not Monitored			NM
RW-4	12/13/2007	23.78	--	--	--	7.22	16.56	16.56
RW-4	1/21/2008	23.78	--	--	--	7.22	16.56	16.56
RW-4	2/24/2008	23.78	--	--	--	7.91	15.87	15.87
RW-4	3/24/2008	23.78	--	--	--	7.69	16.09	16.09
RW-4	8/25/2008	23.78	--	--	--	9.18	14.60	14.60
RW-4	2/18/2009	23.78	--	--	--	8.17	15.61	15.61
RW-4	8/25/2009	23.78	--	--	--	10.85	12.93	12.93
RW-4	3/22/2010	23.78	--	--	--	7.17	16.61	16.61
RW-4	8/23/2010	23.78	--	--	--	9.89	13.89	13.89
RW-4	2/7/2011	23.78	--	--	--	6.11	17.67	--
RW-4	5/27/2011	23.78			Not Monitored			
RW-4	8/8/2011	23.78	--	--	--	9.85	13.93	--
RW-4	11/14/2011	23.78	--	--	--	9.06	14.72	--
RW-4	2/20/2012	23.78	--	--	--	5.12	18.66	--
RW-4	8/22/2012	23.78	--	--	--	9.51	14.27	--
RW-4	11/5/2012	23.78	--	--	--	6.07	17.71	--
RW-4	1/28/2013	23.78	--	--	--	5.94	17.84	--
RW-4	5/9/2013	23.78	--	--	--	7.77	16.01	--
RW-4	8/19/2013	23.78	--	--	--	10.37	13.41	--
RW-4	11/25/2013	23.78	--	--	--	7.76	16.02	--
RW-4	2/14/2014	23.78	--	--	--	5.57	18.21	--
RW-4	5/5/2014	23.78	--	--	--	5.08	18.70	--
RW-4	8/19/2014	23.78	--	--	--	10.29	13.49	--
RW-4	11/21/2014	23.78	--	--	--	7.67	16.11	--
RW-4	9/16/2020	23.02	--	--	--	9.03	13.99	--
RW-5	11/20/2002	23.70	8.65	15.05	0.02	8.67	15.05	--
RW-5	11/21/2002	23.70	8.30	15.40	0.10	8.40	15.38	15.06
RW-5	11/22/2002	23.70	8.46	15.24	0.06	8.52	15.23	15.45
RW-5	11/24/2002	23.70	8.63	15.07	0.28	8.91	15.00	15.27
RW-5	1/2/2003	23.70	6.87	16.83	0.04	6.91	16.82	16.85
RW-5	1/3/2003	23.70	6.77	16.93	0.03	6.80	16.92	16.95
RW-5	1/6/2003	23.70	6.46	17.24	0.04	6.50	17.23	17.26
RW-5	1/7/2003	23.70	6.36	17.34	0.06	6.42	17.33	17.37
RW-5	1/8/2003	23.70	6.13	17.57	0.03	6.16	17.56	17.59
RW-5	1/9/2003	23.70	6.25	17.45	0.03	6.28	17.44	17.47
RW-5	1/10/2003	23.70	6.43	17.27	0.04	6.47	17.26	17.29
RW-5	1/13/2003	23.70	6.48	17.22	0.03	6.51	17.21	17.24
RW-5	1/14/2003	23.70	6.44	17.26	0.05	6.49	17.25	17.29
RW-5	1/15/2003	23.70	6.37	17.33	0.04	6.41	17.32	17.35
RW-5	1/16/2003	23.70	6.40	17.30	0.02	6.42	17.30	17.31
RW-5	1/17/2003	23.70	6.37	17.33	0.04	6.41	17.32	17.35
RW-5	1/20/2003	23.70	6.57	17.13	0.05	6.62	17.12	17.16
RW-5	1/22/2003	23.70	6.60	17.10	0.08	6.68	17.08	17.14
RW-5	1/23/2003	23.70	6.83	16.87	0.07	6.90	16.85	16.91
RW-5	1/24/2003	23.70	6.69	17.01	0.03	6.72	17.00	17.03
RW-5	1/27/2003	23.70	5.97	17.73	0.06	6.03	17.72	17.76
RW-5	1/28/2003	23.70	5.95	17.75	0.09	6.04	17.73	17.80
RW-5	1/29/2003	23.70	5.82	17.88	0.12	5.94	17.85	17.94
RW-5	1/30/2003	23.70	5.90	17.80	0.10	6.00	17.78	17.85
RW-5	2/3/2003	23.70	6.34	17.36	0.07	6.41	17.34	17.40
RW-5	2/6/2003	24.44	7.12	17.32	0.06	7.18	17.31	17.35
RW-5	2/11/2003	24.44	7.63	16.81	0.07	7.70	16.79	16.85
RW-5	2/18/2003	24.44	8.11	16.33	0.14	8.25	16.30	16.40
RW-5	2/21/2003	24.44	7.99	16.45	0.03	8.02	16.44	16.47
RW-5	2/26/2003	24.44	7.74	16.70	0.01	7.75	16.70	16.71
RW-5	3/4/2003	24.44	--	--	--	7.59	16.85	16.85
RW-5	3/12/2003	24.44	8.04	16.40	0.01	8.05	16.40	16.41
RW-5	3/14/2003	24.44	7.84	16.60	0.01	7.85	16.60	16.61
RW-5	3/26/2003	24.44	--	--	--	7.19	17.25	17.25
RW-5	3/28/2003	24.44	--	--	--	7.71	16.73	16.73
RW-5	4/2/2003	24.44	--	--	--	7.85	16.59	16.59
RW-5	4/4/2003	24.44	--	--	--	8.16	16.28	16.28
RW-5	4/8/2003	24.44	7.71	16.73	0.00	7.72	16.73	16.73
RW-5	4/11/2003	24.44	--	--	--	7.78	16.66	16.66
RW-5	4/15/2003	24.44	7.44	17.00	0.01	7.45	17.00	17.01
RW-5	4/17/2003	24.44	--	--	--	7.91	16.53	16.53
RW-5	4/22/2003	24.44	--	--	--	7.75	16.69	16.69
RW-5	4/25/2003	24.44	--	--	--	7.84	16.60	16.60
RW-5	5/2/2003	24.44	--	--	--	8.78	15.66	15.66
RW-5	5/6/2003	24.44	9.05	15.39	0.01	9.06	15.39	15.40
RW-5	5/9/2003	24.44	9.06	15.38	0.05	9.11	15.37	15.41
RW-5	5/23/2003	24.44	9.08	15.36	0.01	9.09	15.36	15.37
RW-5	5/28/2003	24.44	9.27	15.17	0.01	9.28	15.17	15.18
RW-5	6/13/2003	24.44	9.85	14.59	0.06	9.91	14.58	14.62
RW-5	6/18/2003	24.44	9.81	14.63	0.08	9.89	14.61	14.67
RW-5	6/27/2003	24.44	9.26	15.18	0.22	9.48	15.13	15.29
RW-5	7/7/2003	24.44	10.51	13.93	0.19	10.70	13.88	14.03
RW-5	7/16/2003	24.44	10.29	14.15	0.16	10.45	14.11	14.23
RW-5	7/31/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	8/5/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	8/11/2003	24.44	--	--	--	11.68	12.76	12.76
RW-5	8/22/2003	24.44	11.57	12.87	0.08	11.65	12.85	12.91
RW-5	8/26/2003	24.44	--	--	--	10.68	13.76	13.76

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-5	9/2/2003	24.44	--	--	--	10.67	13.77	13.77
RW-5	9/9/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	9/19/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	10/14/2003	24.44	--	--	--	10.65	13.79	13.79
RW-5	11/20/2003	24.44	--	--	--	8.20	16.24	16.24
RW-5	12/3/2003	24.44	--	--	--	7.15	17.29	17.29
RW-5	1/19/2004	24.44	--	--	--	6.71	17.73	17.73
RW-5	2/24/2004	24.44	--	--	--	7.68	16.76	16.76
RW-5	3/15/2004	24.44	--	--	--	8.58	15.86	15.86
RW-5	4/19/2004	24.44	--	--	--	9.47	14.97	14.97
RW-5	5/17/2004	24.44	--	--	--	10.28	14.16	14.16
RW-5	6/22/2004	24.44	--	--	--	9.76	14.68	14.68
RW-5	8/18/2004	24.44	10.69	13.75	0.01	10.70	13.75	13.76
RW-5	9/21/2004	24.44	--	--	--	9.35	15.09	15.09
RW-5	10/19/2004	24.44	--	--	--	8.55	15.89	15.89
RW-5	11/23/2004	24.44	--	--	--	8.94	15.50	15.50
RW-5	12/21/2004	24.44	--	--	--	7.48	16.96	16.96
RW-5	1/13/2005	24.44	--	--	--	8.38	16.06	16.06
RW-5	4/28/2005	24.44	--	--	--	7.78	16.66	16.66
RW-5	6/1/2005	24.44	--	--	--	8.08	16.36	16.36
RW-5	6/29/2005	24.44	--	--	--	9.28	15.16	15.16
RW-5	7/20/2005	24.44			Not Monitored			NM
RW-5	8/22/2005	24.44	--	--	--	10.45	13.99	13.99
RW-5	5/27/2011	24.44			Not Monitored			
RWx-5	9/12/2005	24.97	--	--	--	13.43	11.54	11.54
RWx-5	10/12/2005	24.97	--	--	--	13.32	11.65	11.65
RWx-5	11/21/2005	24.97	10.88	14.09	0.03	10.91	14.08	14.11
RWx-5	12/27/2005	24.97	8.39	16.58	0.21	8.60	16.53	16.69
RWx-5	1/30/2006	24.97	7.85	17.12	0.01	7.86	17.12	17.13
RWx-5	2/16/2006	24.97	7.77	17.20	0.21	7.98	17.15	17.31
RWx-5	3/13/2006	24.97	7.74	17.23	0.07	7.81	17.21	17.27
RWx-5	4/18/2006	24.97	8.95	16.02	0.23	9.18	15.96	16.14
RWx-5	5/12/2006	24.97	9.33	15.64	0.13	9.46	15.61	15.71
RWx-5	6/9/2006	24.97	8.87	16.10	0.03	8.90	16.09	16.12
RWx-5	7/13/2006	24.97	10.05	14.92	0.25	10.30	14.86	15.05
RWx-5	8/16/2006	24.97	11.10	13.87	0.27	11.37	13.80	14.01
RWx-5	9/19/2006	24.97	--	--	--	11.67	13.30	13.30
RWx-5	10/13/2006	24.97	11.45	13.52	0.15	11.60	13.48	13.60
RWx-5	11/20/2006	24.97	--	--	--	6.86	18.11	18.11
RWx-5	12/8/2006	24.97	--	--	--	7.25	17.72	17.72
RWx-5	1/19/2007	24.97	--	--	--	6.60	18.37	18.37
RWx-5	2/19/2007	24.97	--	--	--	8.90	16.07	16.07
RWx-5	3/15/2007	24.97	--	--	--	7.77	17.20	17.20
RWx-5	4/16/2007	24.97	--	--	--	8.35	16.62	16.62
RWx-5	5/14/2007	24.97	--	--	--	9.77	15.20	15.20
RWx-5	6/29/2007	24.97	--	--	--	10.92	14.05	14.05
RWx-5	7/20/2007	24.97	--	--	--	11.37	13.60	13.60
RWx-5	8/21/2007	24.97	--	--	--	12.05	12.92	12.92
RWx-5	9/10/2007	24.97	12.10	--	--	12.11	12.86	12.86
RWx-5	10/22/2007	24.97	--	--	--	10.52	14.45	14.45
RWx-5	11/28/2007	24.97	--	--	--	9.95	15.02	15.02
RWx-5	12/13/2007	24.97	--	--	--	8.71	16.26	16.26
RWx-5	1/21/2008	24.97	--	--	--	8.75	16.22	16.22
RWx-5	2/24/2008	24.97	--	--	--	12.21	12.76	12.76
RWx-5	3/24/2008	24.97	--	--	--	9.36	15.61	15.61
RWx-5	8/25/2008	24.97	--	--	--	11.17	13.80	13.80
RWx-5	2/18/2009	24.97	--	--	--	9.92	15.05	15.05
RWx-5	8/25/2009	24.97	--	--	--	12.58	12.39	12.39
RWx-5	3/22/2010	24.97	--	--	--	9.02	15.95	15.95
RWx-5	8/23/2010	24.97	--	--	--	11.57	13.40	13.40
RWx-5	2/7/2011	24.97	--	--	--	8.15	16.82	--
RWx-5	5/27/2011	24.97	--	--	--	9.16	15.81	--
RWx-5	8/8/2011	24.97	--	--	--	11.63	13.34	--
RWx-5	11/14/2011	24.97	--	--	--	10.56	14.41	--
RWx-5	2/20/2012	24.97	--	--	--	8.21	16.76	--
RWx-5	8/22/2012	24.97	--	--	--	11.25	13.72	--
RWx-5	11/5/2012	24.97	--	--	--	8.52	16.45	--
RWx-5	1/28/2013	24.97	--	--	--	8.07	16.90	--
RWx-5	5/9/2013	24.97	--	--	--	10.61	14.36	--
RWx-5	8/19/2013	24.97	--	--	--	12.71	12.26	--
RWx-5	11/25/2013	24.97	--	--	--	9.12	15.85	--
RWx-5	2/14/2014	24.97	--	--	--	6.71	18.26	--
RWx-5	5/5/2014	24.97	--	--	--	6.28	18.69	--
RWx-5	8/19/2014	24.97	--	--	--	11.97	13.00	--
RWx-5	11/21/2014	24.97	--	--	--	9.00	15.97	--
RWX-5	9/1/2022	24.97	--	--	--	12.20	12.77	
RWX-5	2/20/2023	24.97	--	--	--	6.75	18.22	
RWX-5	8/14/2023	24.97	--	--	--	11.92	13.05	
RWX-5	1/29/2024	24.97	--	--	--	5.12	19.85	
RWX-5	7/29/2024	24.97	--	--	--	10.87	14.10	
RW-6	11/20/2002	23.43	8.05	15.38	2.05	10.10	14.87	--
RW-6	11/21/2002	23.43	8.40	15.03	0.15	8.55	14.99	16.41
RW-6	11/22/2002	23.43	8.45	14.98	0.24	8.69	14.92	15.11
RW-6	11/24/2002	23.43	8.65	14.78	0.33	8.98	14.70	15.10
RW-6	1/2/2003	23.43	6.70	16.73	0.87	7.57	16.51	17.17
RW-6	1/7/2003	23.43	6.50	16.93	0.26	6.76	16.87	17.06
RW-6	1/8/2003	23.43	6.09	17.34	0.51	6.60	17.21	17.60
RW-6	1/9/2003	23.43	6.28	17.15	0.38	6.66	17.06	17.34
RW-6	1/10/2003	23.43	6.42	17.01	0.23	6.65	16.95	17.13
RW-6	1/13/2003	23.43	8.16	15.27	0.07	8.23	15.25	15.31
RW-6	1/14/2003	23.43	6.73	16.70	0.20	6.93	16.65	16.80
RW-6	1/15/2003	23.43	6.30	17.13	0.60	6.90	16.98	17.43
RW-6	1/16/2003	23.43	6.28	17.15	0.65	6.93	16.99	17.48
RW-6	1/17/2003	23.43	6.29	17.14	0.00	6.29	17.14	17.14
RW-6	1/20/2003	23.43	6.31	17.12	0.63	6.94	16.96	17.44
RW-6	1/22/2003	23.43	6.41	17.02	0.75	7.16	16.83	17.40
RW-6	1/23/2003	23.43	6.60	16.83	0.80	7.40	16.63	17.23
RW-6	1/24/2003	23.43	6.45	16.98	0.76	7.21	16.79	17.36
RW-6	1/27/2003	23.43	5.82	17.61	0.62	6.44	17.46	17.92
RW-6	1/28/2003	23.43	5.90	17.53	0.39	6.29	17.43	17.73
RW-6	1/29/2003	23.43	5.81	17.62	0.35	6.16	17.53	17.80
RW-6	1/30/2003	23.43	5.92	17.51	0.28	6.20	17.44	17.65

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-6	2/3/2003	23.43	6.25	17.18	0.19	6.44	17.13	17.28
RW-6	2/6/2003	24.18	6.96	17.22	0.18	7.14	17.18	17.31
RW-6	2/11/2003	24.18	7.44	16.74	0.31	7.75	16.66	16.90
RW-6	2/18/2003	24.18	7.90	16.28	0.51	8.41	16.15	16.54
RW-6	2/21/2003	24.18	7.86	16.32	0.47	8.33	16.20	16.56
RW-6	2/26/2003	24.18	7.76	16.42	0.01	7.77	16.42	16.43
RW-6	3/4/2003	24.18	--	--	--	7.46	16.72	16.72
RW-6	3/12/2003	24.18	8.01	16.17	0.01	8.02	16.17	16.18
RW-6	3/14/2003	24.18	--	--	--	7.81	16.37	16.37
RW-6	3/26/2003	24.18	--	--	--	7.02	17.16	17.16
RW-6	3/28/2003	24.18	--	--	--	7.62	16.56	16.56
RW-6	4/2/2003	24.18	--	--	--	7.74	16.44	16.44
RW-6	4/4/2003	24.18	--	--	--	8.07	16.11	16.11
RW-6	4/8/2003	24.18	--	--	--	7.69	16.49	16.49
RW-6	4/11/2003	24.18	7.61	16.57	0.01	7.62	16.57	16.58
RW-6	4/15/2003	24.18	--	--	--	7.29	16.89	16.89
RW-6	4/17/2003	24.18	7.78	16.40	0.01	7.79	16.40	16.41
RW-6	4/22/2003	24.18	--	--	--	7.81	16.37	16.37
RW-6	4/25/2003	24.18	--	--	--	7.75	16.43	16.43
RW-6	5/2/2003	24.18	--	--	--	8.66	15.52	15.52
RW-6	5/6/2003	24.18	8.84	15.34	0.28	9.12	15.27	15.48
RW-6	5/9/2003	24.18	8.82	15.36	0.43	9.25	15.25	15.58
RW-6	5/23/2003	24.18	8.85	15.33	0.86	9.71	15.12	15.76
RW-6	5/28/2003	24.18	8.93	15.25	1.08	10.01	14.98	15.79
RW-6	6/13/2003	24.18	9.28	14.90	0.81	10.09	14.70	15.31
RW-6	6/18/2003	24.18	9.22	14.96	1.53	10.75	14.58	15.73
RW-6	6/27/2003	24.18	9.60	14.58	1.22	10.82	14.28	15.19
RW-6	7/7/2003	24.18	9.90	14.28	0.91	10.81	14.05	14.74
RW-6	7/16/2003	24.18	9.68	14.50	1.08	10.76	14.23	15.04
RW-6	7/31/2003	24.18	10.34	13.84	0.42	10.76	13.74	14.05
RW-6	8/5/2003	24.18	10.30	13.88	0.45	10.75	13.77	14.11
RW-6	8/11/2003	24.18	11.35	12.83	0.39	11.74	12.73	13.03
RW-6	8/22/2003	24.18	11.10	13.08	0.64	11.74	12.92	13.40
RW-6	8/26/2003	24.18	10.71	13.47	0.05	10.76	13.46	13.50
RW-6	9/2/2003	24.18	10.61	13.57	0.14	10.75	13.54	13.64
RW-6	9/9/2003	24.18	--	--	--	10.76	13.42	13.42
RW-6	9/19/2003	24.18	--	--	--	10.76	13.42	13.42
RW-6	10/14/2003	24.18	--	--	--	10.75	13.43	13.43
RW-6	11/20/2003	24.18	--	--	--	8.50	15.68	15.68
RW-6	12/3/2003	24.18	--	--	--	7.08	17.10	17.10
RW-6	1/19/2004	24.18	--	--	--	6.62	17.56	17.56
RW-6	2/24/2004	24.18	--	--	--	7.58	16.60	16.60
RW-6	3/15/2004	24.18	--	--	--	8.57	15.61	15.61
RW-6	4/19/2004	24.18	--	--	--	9.36	14.82	14.82
RW-6	5/17/2004	24.18	--	--	--	10.15	14.03	14.03
RW-6	6/22/2004	24.18	--	--	--	9.91	14.27	14.27
RW-6	8/18/2004	24.18	10.72	13.46	0.01	10.73	13.46	13.47
RW-6	9/21/2004	24.18	--	--	--	9.73	14.45	14.45
RW-6	10/19/2004	24.18	--	--	--	8.83	15.35	15.35
RW-6	11/23/2004	24.18	--	--	--	8.86	15.32	15.32
RW-6	12/21/2004	24.18	--	--	--	7.33	16.85	16.85
RW-6	1/13/2005	24.18	--	--	--	8.22	15.96	15.96
RW-6	4/28/2005	24.18	--	--	--	7.65	16.53	16.53
RW-6	6/1/2005	24.18	--	--	--	7.95	16.23	16.23
RW-6	6/29/2005	24.18	--	--	--	9.21	14.97	14.97
RW-6	7/20/2005	24.18	--	--	--	9.81	14.37	14.37
RW-6	8/22/2005	24.18	--	--	--	10.20	13.98	13.98
RW-6	9/12/2005	24.18	--	--	--	10.77	13.41	13.41
RW-6	10/12/2005	24.18	--	--	--	10.77	13.41	13.41
RW-6	11/21/2005	24.18	--	--	--	9.96	14.22	14.22
RW-6	12/27/2005	24.18	--	--	--	7.45	16.73	16.73
RW-6	1/30/2006	24.18	--	--	--	4.72	19.46	19.46
RW-6	2/16/2006	24.18	--	--	--	6.86	17.32	17.32
RW-6	3/13/2006	24.18	--	--	--	7.82	16.36	16.36
RW-6	4/18/2006	24.18	--	--	--	8.04	16.14	16.14
RW-6	5/12/2006	24.18	--	--	--	8.52	15.66	15.66
RW-6	6/9/2006	24.18	--	--	--	8.10	16.08	16.08
RW-6	7/13/2006	24.18	--	--	--	9.26	14.92	14.92
RW-6	8/16/2006	24.18	--	--	--	10.25	13.93	13.93
RW-6	9/19/2006	24.18	--	--	--	10.77	13.41	13.41
RW-6	10/13/2006	24.18	--	--	--	10.56	13.62	13.62
RW-6	11/20/2006	24.18	--	--	--	6.05	18.13	18.13
RW-6	12/8/2006	24.18	--	--	--	6.39	17.79	17.79
RW-6	1/19/2007	24.18	--	--	--	5.68	18.50	18.50
RW-6	2/19/2007	24.18	--	--	--	7.95	16.23	16.23
RW-6	3/15/2007	24.18	--	--	--	6.96	17.22	17.22
RW-6	4/16/2007	24.18	--	--	--	7.61	16.57	16.57
RW-6	5/14/2007	24.18	--	--	--	8.90	15.28	15.28
RW-6	6/29/2007	24.18	--	--	--	10.10	14.08	14.08
RW-6	7/20/2007	24.18	--	--	--	10.53	13.65	13.65
RW-6	8/21/2007	24.18	--	--	--	10.75	13.43	13.43
RW-6	9/10/2007	24.18	--	--	--	10.76	13.42	13.42
RW-6	10/22/2007	24.18	--	--	--	9.22	14.96	14.96
RW-6	11/28/2007	24.18	--	--	--	8.94	15.24	15.24
RW-6	12/13/2007	24.18	--	--	--	7.47	16.71	16.71
RW-6	1/21/2008	24.18	--	--	--	7.79	16.39	16.39
RW-6	2/24/2008	24.18	--	--	--	10.61	13.57	13.57
RW-6	3/24/2008	24.18	--	--	--	8.45	15.73	15.73
RW-6	8/25/2008	24.18	--	--	--	9.80	14.38	14.38
RW-6	2/18/2009	24.18	--	--	--	8.85	15.33	15.33
RW-6	8/25/2009	24.18	--	--	--	10.80	13.38	13.38
RW-6	3/22/2010	24.18	--	--	--	8.19	15.99	15.99
RW-6	8/23/2010	24.18	--	--	--	10.20	13.98	13.98
RW-6	2/7/2011	24.18	--	--	--	7.25	16.93	--
RW-6	5/27/2011	24.18			Not Monitored			
RW-6	8/8/2011	24.18	--	--	--	10.31	13.87	--
RW-6	11/14/2011	24.18	--	--	--	9.56	14.62	--
RW-6	2/20/2012	24.18	--	--	--	7.19	16.99	--
RW-6	8/22/2012	24.18	--	--	--	10.07	14.11	--
RW-6	11/5/2012	24.18	--	--	--	7.63	16.55	--
RW-6	1/28/2013	24.18	--	--	--	7.16	17.02	--
RW-6	5/9/2013	24.18	--	--	--	8.22	15.96	--
RW-6	8/19/2013	24.18	--	--	--	10.80	13.38	--
RW-6	11/25/2013	24.18	--	--	--	8.32	15.86	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-6	11/25/2013	24.18	--	--	--	8.32	15.86	--
RW-6	2/14/2014	24.18	--	--	--	6.76	17.42	--
RW-6	5/5/2014	24.18	--	--	--	5.99	18.19	--
RW-6	8/19/2014	24.18	--	--	--	10.57	13.61	--
RW-6	11/21/2014	24.18	--	--	--	5.54	18.64	--
RW-7	11/20/2002	23.01	7.65	15.36	2.46	10.11	14.75	--
RW-7	11/21/2002	23.01	7.60	15.41	2.51	10.11	14.78	16.59
RW-7	11/22/2002	23.01	8.03	14.98	1.75	9.78	14.54	16.67
RW-7	11/24/2002	23.01	8.23	14.78	1.26	9.49	14.47	15.86
RW-7	1/2/2003	23.01	6.44	16.57	0.40	6.84	16.47	16.77
RW-7	1/3/2003	23.01	6.28	16.73	0.40	6.68	16.63	16.93
RW-7	1/6/2003	23.01	5.93	17.08	0.12	6.05	17.05	17.14
RW-7	1/7/2003	23.01	5.84	17.17	0.20	6.04	17.12	17.27
RW-7	1/8/2003	23.01	5.66	17.35	0.20	5.86	17.30	17.45
RW-7	1/9/2003	23.01	5.72	17.29	0.33	6.05	17.21	17.46
RW-7	1/10/2003	23.01	5.90	17.11	0.25	6.15	17.05	17.24
RW-7	1/13/2003	23.01	5.98	17.03	0.37	6.35	16.94	17.22
RW-7	1/14/2003	23.01	5.97	17.04	0.27	6.24	16.97	17.18
RW-7	1/15/2003	23.01	5.95	17.06	0.30	6.25	16.99	17.21
RW-7	1/16/2003	23.01	5.84	17.17	0.41	6.25	17.07	17.38
RW-7	1/17/2003	23.01	5.85	17.16	0.35	6.20	17.07	17.34
RW-7	1/20/2003	23.01	6.02	16.99	0.53	6.55	16.86	17.26
RW-7	1/22/2003	23.01	6.11	16.90	0.80	6.91	16.70	17.30
RW-7	1/23/2003	23.01	6.25	16.76	1.05	7.30	16.50	17.29
RW-7	1/24/2003	23.01	6.16	16.85	1.03	7.19	16.59	17.37
RW-7	1/27/2003	23.01	5.60	17.41	0.58	6.18	17.27	17.70
RW-7	1/28/2003	23.01	5.65	17.36	0.63	6.28	17.20	17.68
RW-7	1/29/2003	23.01	5.55	17.46	0.65	6.20	17.30	17.79
RW-7	1/30/2003	23.01	5.65	17.36	0.67	6.32	17.19	17.70
RW-7	2/3/2003	23.01	5.91	17.10	0.76	6.67	16.91	17.48
RW-7	2/6/2003	23.78	6.55	17.23	0.79	7.34	17.03	17.63
RW-7	2/11/2003	23.78	6.99	16.79	1.08	8.07	16.52	17.33
RW-7	2/21/2003	23.78	7.42	16.36	0.99	8.41	16.11	16.86
RW-7	2/26/2003	23.78	7.24	16.54	0.04	7.28	16.53	16.56
RW-7	3/4/2003	23.78	--	--	--	6.96	16.82	16.82
RW-7	3/12/2003	23.01	Trace	--	--	7.71	15.30	15.30
RW-7	3/14/2003	23.01	--	--	--	7.51	15.50	15.50
RW-7	3/26/2003	23.01	--	--	--	6.68	16.33	16.33
RW-7	3/28/2003	23.01	--	--	--	7.25	15.76	15.76
RW-7	4/2/2003	23.01	--	--	--	7.42	15.59	15.59
RW-7	4/4/2003	23.01	--	--	--	7.64	15.37	15.37
RW-7	4/8/2003	23.01	--	--	--	7.22	15.79	15.79
RW-7	4/11/2003	23.01	--	--	--	7.16	15.85	15.85
RW-7	4/15/2003	23.01	--	--	--	6.81	16.20	16.20
RW-7	4/17/2003	23.01	--	--	--	7.38	15.63	15.63
RW-7	4/22/2003	23.01	--	--	--	7.34	15.67	15.67
RW-7	4/25/2003	23.01	--	--	--	7.21	15.80	15.80
RW-7	5/2/2003	23.01	8.30	14.71	0.03	8.33	14.70	14.73
RW-7	5/6/2003	23.01	8.52	14.49	0.08	8.60	14.47	14.53
RW-7	5/9/2003	23.01	8.54	14.47	0.03	8.57	14.46	14.49
RW-7	5/23/2003	23.01	8.55	14.46	1.03	9.58	14.20	14.98
RW-7	5/28/2003	23.01	8.57	14.44	1.55	10.12	14.05	15.22
RW-7	6/13/2003	23.01	8.92	14.09	1.64	10.56	13.68	14.91
RW-7	6/18/2003	23.01	8.88	14.13	1.87	10.75	13.66	15.07
RW-7	6/27/2003	23.01	9.26	13.75	1.55	10.81	13.36	14.53
RW-7	7/7/2003	23.01	9.54	13.47	1.21	10.75	13.17	14.08
RW-7	7/16/2003	23.01	9.42	13.59	1.30	10.72	13.27	14.24
RW-7	7/31/2003	23.01	9.98	13.03	0.76	10.74	12.84	13.41
RW-7	8/5/2003	23.01	10.88	12.13	0.74	11.62	11.95	12.50
RW-7	8/11/2003	23.01	11.00	12.01	0.69	11.69	11.84	12.36
RW-7	8/22/2003	23.01	10.70	12.31	1.01	11.71	12.06	12.82
RW-7	8/26/2003	23.01	11.28	11.73	0.37	11.65	11.64	11.92
RW-7	9/2/2003	23.01	10.36	12.65	0.36	10.72	12.56	12.83
RW-7	9/9/2003	23.01	10.75	12.26	0.01	10.76	12.26	12.27
RW-7	9/19/2003	23.01	--	--	--	10.76	12.25	12.25
RW-7	10/14/2003	23.01	--	--	--	10.77	12.24	12.24
RW-7	11/20/2003	23.01	--	--	--	8.24	14.77	14.77
RW-7	12/3/2003	23.01	--	--	--	6.79	16.22	16.22
RW-7	1/19/2004	23.01	--	--	--	6.31	16.70	16.70
RW-7	2/24/2004	23.01	--	--	--	7.11	15.90	15.90
RW-7	3/15/2004	23.01	--	--	--	8.20	14.81	14.81
RW-7	4/19/2004	23.01	--	--	--	8.85	14.16	14.16
RW-7	5/17/2004	23.01	--	--	--	9.79	13.22	13.22
RW-7	6/22/2004	23.01	--	--	--	9.57	13.44	13.44
RW-7	8/18/2004	23.01	10.71	12.30	0.01	10.72	12.30	12.31
RW-7	9/21/2004	23.01	--	--	--	10.45	12.56	12.56
RW-7	10/19/2004	23.01	--	--	--	8.73	14.28	14.28
RW-7	11/23/2004	23.01	--	--	--	9.60	13.41	13.41
RW-7	12/21/2004	23.01	--	--	--	7.06	15.95	15.95
RW-7	1/13/2005	23.01	--	--	--	7.93	15.08	15.08
RW-7	4/28/2005	23.01	--	--	--	7.37	15.64	15.64
RW-7	6/1/2005	23.01	--	--	--	7.67	15.34	15.34
RW-7	6/29/2005	23.01	--	--	--	9.05	13.96	13.96
RW-7	7/20/2005	23.01	--	--	--	9.61	13.40	13.40
RW-7	8/22/2005	23.01	--	--	--	9.88	13.13	13.13
RW-7	5/27/2011	23.01			Not Monitored			
RWx-7	9/12/2005	24.71	--	--	--	11.99	12.72	12.72
RWx-7	10/12/2005	24.71	12.54	12.17	0.23	12.77	12.11	12.29
RWx-7	11/21/2005	24.71	9.83	14.88	0.13	9.96	14.85	14.95
RWx-7	12/27/2005	24.71	8.15	16.56	0.02	8.17	16.56	16.57
RWx-7	1/30/2006	24.71	5.31	19.40	0.01	5.32	19.40	19.41
RWx-7	2/16/2006	24.71	7.41	17.30	0.02	7.43	17.30	17.31
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RWx-7	1/19/2007	24.71	--	--	--	6.22	18.49	18.49
RWx-7	2/19/2007	24.71	--	--	--	8.55	16.16	16.16
RWx-7	3/15/2007	24.71	--	--	--	7.52	17.19	17.19
RWx-7	4/16/2007	24.71	--	--	--	8.22	16.49	16.49
RWx-7	5/14/2007	24.71	--	--	--	9.52	15.19	15.19
RWx-7	6/29/2007	24.71	--	--	--	10.74	13.97	13.97
RWx-7	7/20/2007	24.71	--	--	--	11.16	13.55	13.55
RWx-7	8/21/2007	24.71	--	--	--	11.82	12.89	12.89
RWx-7	9/10/2007	24.71	--	--	--	11.90	12.81	12.81
RWx-7	10/22/2007	24.71	--	--	--	10.01	14.70	14.70
RWx-7	11/28/2007	24.71	--	--	--	9.54	15.17	15.17
RWx-7	12/13/2007	24.71	--	--	--	8.32	16.39	16.39
RWx-7	1/21/2008	24.71	--	--	--	8.34	16.37	16.37
RWx-7	2/24/2008	24.71	--	--	--	8.76	15.95	15.95
RWx-7	3/24/2008	24.71	--	--	--	9.06	15.65	15.65
RWx-7	8/25/2008	24.71	--	--	--	11.00	13.71	13.71
RWx-7	2/18/2009	24.71	--	--	--	9.39	15.32	15.32
RWx-7	8/25/2009	24.71	--	--	--	12.22	12.49	12.49
RWx-7	3/22/2010	24.71	--	--	--	8.80	15.91	15.91
RWx-7	8/23/2010	24.71	--	--	--	11.25	13.46	13.46
RWx-7	2/7/2011	24.71	--	--	--	7.85	16.86	--
RWx-7	5/27/2011	24.71	--	--	--	8.98	15.73	--
RWx-7	8/8/2011	24.71	--	--	--	11.15	13.56	--
RWx-7	11/14/2011	24.71	--	--	--	10.54	14.17	--
RWx-7	2/20/2012	24.71	--	--	--	7.79	16.92	--
RWx-7	8/22/2012	24.71	--	--	--	10.97	13.74	--
RWx-7	11/5/2012	24.71	--	--	--	8.69	16.02	--
RWx-7	1/28/2013	24.71	--	--	--	7.72	16.99	--
RWx-7	5/9/2013	24.71	--	--	--	8.82	15.89	--
RWx-7	8/19/2013	24.71	--	--	--	11.77	12.94	--
RWx-7	11/25/2013	24.71	--	--	--	9.07	15.64	--
RWx-7	2/14/2014	24.71	--	--	--	7.65	17.06	--
RWx-7	5/5/2014	24.71	--	--	--	6.52	18.19	--
RWx-7	8/19/2014	24.71	--	--	--	11.42	13.29	--
RWx-7	11/21/2014	24.71	--	--	--	8.68	16.03	--
RWX-7	11/14/2016	24.71	--	--	--	5.80	18.91	--
RWX-7	11/18/2016	24.71	--	--	--	--	--	--
RWX-7	2/17/2017	24.71	--	--	--	5.58	19.13	15.74
RWX-7	5/26/2017	24.71	--	--	--	8.07	16.64	16.35
RWX-7	9/26/2017	24.71	--	--	--	11.82	12.89	--
RWX-7	9/28/2017	24.71	--	--	--	--	--	--
RWX-7	12/14/2017	24.71	--	--	--	6.86	17.85	--
RWX-7	2/26/2018	24.71	--	--	--	7.67	17.04	--
RWX-7	6/11/2018	24.71	--	--	--	10.11	14.60	--
RWX-7	6/27/2018	24.71	--	--	--	10.85	13.86	--
RWX-7	8/29/2018	24.71	--	--	--	12.19	12.52	--
RWX-7	12/17/2018	24.71	--	--	--	6.84	17.87	--
HW-1East	11/20/2003	20.35	--	--	--	4.61	15.74	--
HW-1East	12/3/2003	20.35	--	--	--	4.00	16.35	--
HW-1East	1/19/2004	20.35	3.56	16.79	0.005	3.57	16.79	--
HW-1East	2/24/2004	20.35	--	--	--	5.46	14.89	16.79
HW-1East	3/15/2004	20.35	--	--	--	5.84	14.51	14.51
HW-1East	4/19/2004	20.35	--	--	--	6.42	13.93	13.93
HW-1East	5/17/2004	20.35			Not Monitored			0.00
HW-1East	6/22/2004	20.35			Not Monitored			0.00
HW-1East	8/18/2004	20.35			Dry			Dry
HW-1East	9/21/2004	20.35	--	--	--	6.92	13.43	13.43
HW-1East	10/19/2004	20.35	--	--	--	6.02	14.33	14.33
HW-1East	11/23/2004	20.35	--	--	--	6.46	13.89	13.89
HW-1East	12/21/2004	20.35	--	--	--	4.45	15.90	15.90
HW-1East	1/13/2005	20.35	--	--	--	5.25	15.10	15.10
HW-1East	4/28/2005	20.35	--	--	--	4.82	15.53	15.53
HW-1East	6/1/2005	20.35	--	--	--	5.09	15.26	15.26
HW-1East	6/29/2005	20.35	--	--	--	6.83	13.52	13.52
HW-1East	7/20/2005	20.35	--	--	--	6.88	13.47	13.47
HW-1East	8/22/2005	20.35	--	--	--	7.03	13.32	13.32
HW-1East	12/21/2004	20.35	--	--	--	7.03	13.32	13.32
HW-1East	5/27/2011	20.35			Not Monitored			
HWx-1East	9/12/2005	20.44	--	--	--	10.27	10.17	10.17
HWx-1East	10/12/2005	20.44	--	--	--	9.57	10.87	10.87
HWx-1East	11/21/2005	20.44	--	--	--	5.71	14.73	14.73
HWx-1East	12/27/2005	20.44	--	--	--	4.51	15.93	15.93
HWx-1East	1/30/2006	20.44	--	--	--	2.23	18.21	18.21
HWx-1East	2/16/2006	20.44	--	--	--	4.10	16.34	16.34
HWx-1East	3/13/2006	20.44	--	--	--	4.94	15.50	15.50
HWx-1East	4/18/2006	20.44	--	--	--	4.95	15.49	15.49
HWx-1East	5/12/2006	20.44	--	--	--	5.23	15.21	15.21
HWx-1East	6/9/2006	20.44	--	--	--	4.96	15.48	15.48
HWx-1East	7/13/2006	20.44	--	--	--	5.45	14.99	14.99
HWx-1East	8/16/2006	20.44	--	--	--	6.75	13.69	13.69
HWx-1East	9/19/2006	20.44	--	--	--	9.20	11.24	11.24
HWx-1East	10/13/2006	20.44	8.65	11.79	2.85	11.50	11.08	13.22
HWx-1East	11/20/2006	20.44	--	--	--	3.25	17.19	17.19
HWx-1East	12/8/2006	20.44	--	--	--	3.40	17.04	17.04
HWx-1East	1/19/2007	20.44	--	--	--	3.07	17.37	17.37
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

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HWx-1East	3/22/2010	20.44	--	--	--	10.45	9.99	9.99
HWx-1East	8/23/2010	20.44	--	--	--	10.20	10.24	10.24
HWx-1East	2/7/2011	20.44	--	--	--	4.60	15.84	--
HWx-1East	5/27/2011	20.44			Not Monitored			
HW-1West	11/20/2003	18.86	--	--	--	4.32	14.54	14.54
HW-1West	12/3/2003	18.86	--	--	--	3.56	15.30	15.30
HW-1West	1/19/2004	18.86	--	--	--	3.28	15.58	15.58
HW-1West	2/24/2004	18.86	--	--	--	4.96	13.90	13.90
HW-1West	3/15/2004	18.86	--	--	--	6.35	12.51	12.51
HW-1West	4/19/2004	18.86	--	--	--	5.90	12.96	12.96
HW-1West	5/17/2004	18.86			Not Monitored			0.00
HW-1West	6/22/2004	18.86			Not Monitored			0.00
HW-1West	8/18/2004	18.86	7.31	11.55	0.01	7.32	11.55	11.56
HW-1West	9/21/2004	18.86	--	--	--	6.43	12.43	12.43
HW-1West	10/19/2004	18.86	--	--	--	5.56	13.30	13.30
HW-1West	11/23/2004	18.86	--	--	--	5.82	13.04	13.04
HW-1West	12/21/2004	18.86	--	--	--	3.95	14.91	14.91
HW-1West	1/13/2005	18.86	--	--	--	4.66	14.20	14.20
HW-1West	4/28/2005	18.86	--	--	--	4.30	14.56	14.56
HW-1West	6/1/2005	18.86	--	--	--	5.60	13.26	13.26
HW-1West	6/29/2005	18.86	--	--	--	6.34	12.52	12.52
HW-1West	7/20/2005	18.86	--	--	--	6.40	12.46	12.46
HW-1West	8/22/2005	18.86	--	--	--	6.55	12.31	12.31
HW-1West	5/27/2011	18.86			Not Monitored			
HWx-1West	9/12/2005	19.96	--	--	--	10.16	9.80	9.80
HWx-1West	10/12/2005	19.96	9.22	10.74	0.01	9.23	10.74	10.75
HWx-1West	11/21/2005	19.96	5.42	14.54	0.01	5.43	14.54	14.55
HWx-1West	12/27/2005	19.96	--	--	--	4.01	15.95	15.95
HWx-1West	1/30/2006	19.96	--	--	--	1.72	18.24	18.24
HWx-1West	2/16/2006	19.96	3.79	16.17	0.01	3.80	16.17	16.18
HWx-1West	3/13/2006	19.96	--	--	--	4.52	15.44	15.44
HWx-1West	4/18/2006	19.96	--	--	--	4.48	15.48	15.48
HWx-1West	5/12/2006	19.96	--	--	--	4.80	15.16	15.16
HWx-1West	6/9/2006	19.96	--	--	--	4.52	15.44	15.44
HWx-1West	7/13/2006	19.96	--	--	--	9.89	10.07	10.07
HWx-1West	8/16/2006	19.96	--	--	--	6.20	13.76	13.76
HWx-1West	9/19/2006	19.96	--	--	--	6.87	13.09	13.09
HWx-1West	10/13/2006	19.96	--	--	--	6.57	13.39	13.39
HWx-1West	11/20/2006	19.96	--	--	--	2.76	17.20	17.20
HWx-1West	12/8/2006	19.96	--	--	--	2.91	17.05	17.05
HWx-1West	1/19/2007	19.96	--	--	--	2.60	17.36	17.36
HWx-1West	2/19/2007	19.96	--	--	--	4.26	15.70	15.70
HWx-1West	3/15/2007	19.96	--	--	--	3.42	16.54	16.54
HWx-1West	4/16/2007	19.96	--	--	--	3.95	16.01	16.01
HWx-1West	5/14/2007	19.96	--	--	--	4.95	15.01	15.01
HWx-1West	6/29/2007	19.96	--	--	--	9.06	10.90	10.90
HWx-1West	7/20/2007	19.96	--	--	--	6.43	13.53	13.53
HWx-1West	8/21/2007	19.96	--	--	--	8.05	11.91	11.91
HWx-1West	9/10/2007	19.96	--	--	--	8.11	11.85	11.85
HWx-1West	10/22/2007	19.96	--	--	--	5.98	13.98	13.98
HWx-1West	11/28/2007	19.96	--	--	--	5.23	14.73	14.73
HWx-1West	12/13/2007	19.96	--	--	--	4.18	15.78	15.78
HWx-1West	1/21/2008	19.96	--	--	--	4.38	15.58	15.58
HWx-1West	2/24/2008	19.96	--	--	--	4.72	15.24	15.24
HWx-1West	3/24/2008	19.96	--	--	--	5.06	14.90	14.90
HWx-1West	8/25/2008	19.96	--	--	--	6.90	13.06	13.06
HWx-1West	2/18/2009	19.96	--	--	--	5.02	14.94	14.94
HWx-1West	8/25/2009	19.96	--	--	--	7.21	12.75	12.75
HWx-1West	3/22/2010	19.96	--	--	--	9.60	10.36	10.36
HWx-1West	8/23/2010	19.96	--	--	--	9.24	10.72	10.72
HWx-1West	2/7/2011	19.96	--	--	--	4.13	15.83	15.83
HWx-1West	5/27/2011	19.96			Not Monitored			
MW-1	11/14/2011	20.51	--	--	--	8.45	12.06	--
MW-1	2/20/2012	20.51	--	--	--	6.96	13.55	--
MW-1	8/22/2012	20.51	--	--	--	9.60	10.91	--
MW-1	11/5/2012	20.51	--	--	--	7.91	12.60	--
MW-1	1/28/2013	20.51	--	--	--	7.41	13.10	--
MW-1	5/9/2013	20.51	--	--	--	8.24	12.27	--
MW-1	8/19/2013	20.51	--	--	--	10.45	10.06	--
MW-1	11/25/2013	20.51	--	--	--	8.02	12.49	--
MW-1	2/14/2014	20.51	--	--	--	7.71	12.80	--
MW-1	5/5/2014	20.51	--	--	--	7.04	13.47	--
MW-1	8/19/2014	20.51	--	--	--	9.16	11.35	--
MW-1	11/21/2014	20.51	--	--	--	7.97	12.54	--
MW-1	11/14/2016	20.51	--	--	--	7.49	13.02	--
MW-1	11/16/2016	20.51	--	--	--	--	--	--
MW-1	2/16/2017	20.51	--	--	--	7.01	13.50	--
MW-1	5/24/2017	20.51	--	--	--	7.67	12.84	--
MW-1	9/26/2017	20.51	--	--	--	9.49	11.02	--
MW-1	9/27/2017	20.51	--	--	--	--	--	--
MW-1	12/13/2017	20.51	--	--	--	7.32	13.19	--
MW-1	2/26/2018	20.51	--	--	--	7.62	12.89	--
MW-1	6/11/2018	20.51	--	--	--	8.77	11.74	--
MW-1	6/26/2018	20.51	--	--	--	9.32	11.19	--
MW-1	8/28/2018	20.51	--	--	--	10.55	9.96	--
MW-1	12/17/2018	20.51	--	--	--	7.48	13.03	--
MW-1	3/14/2019	20.51	--	--	--	7.70	12.81	--
MW-1	6/12/2019	20.51	--	--	--	8.83	11.68	--
MW-1	9/23/2019	20.51	--	--	--	8.85	11.66	--
MW-1	12/4/2019	20.51	--	--	--	8.90	11.61	--
MW-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	

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-1	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-1	8/14/2023	20.51	--	--	--	10.04	10.47	
MW-1	11/30/2023	20.51	--	--	--	7.90	12.61	
MW-1	1/29/2024	20.51	--	--	--	6.70	13.81	
MW-1	5/6/2024	20.51	--	--	--	8.17	12.34	
MW-1	7/29/2024	20.51	--	--	--	9.77	10.74	
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-2	8/14/2023	20.29	--	--	--	9.78	10.51	
MW-2	12/1/2023	20.29	--	--	--	7.58	12.71	
MW-2	1/29/2024	20.29	--	--	--	6.51	13.78	
MW-2	5/6/2024	20.29	--	--	--	7.95	12.34	
MW-2	7/29/2024	20.29	--	--	--	9.43	10.86	
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	--
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-3	8/14/2023	21.21	--	--	--	9.71	11.50	
MW-3	11/30/2023	21.21	--	--	--	6.60	14.61	
MW-3	1/29/2024	21.21	--	--	--	5.27	15.94	
MW-3	5/6/2024	21.21	--	--	--	7.41	13.80	

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-3	7/29/2024	21.21	--	--	--	9.41	11.80	
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-4	8/14/2023	20.44	--	--	--	8.56	11.88	
MW-4	11/30/2023	20.44	--	--	--	5.81	14.63	
MW-4	1/29/2024	20.44	--	--	--	4.39	16.05	
MW-4	5/6/2024	20.44	--	--	--	6.36	14.08	
MW-4	7/29/2024	20.44	--	--	--	8.38	12.06	
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-5	8/14/2023	21.32	--	--	--	9.17	12.15	
MW-5	11/30/2023	21.32	--	--	--	7.54	13.78	
MW-5	1/29/2024	21.32	--	--	--	6.17	15.15	
MW-5	5/6/2024	21.32	--	--	--	8.10	13.22	
MW-5	7/29/2024	21.32	--	--	--	9.00	12.32	
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 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-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-6	8/14/2023	22.30	--	--	--	10.10	12.20	
MW-6	11/30/2023	22.30	--	--	--	8.68	13.62	
MW-6	1/29/2024	22.30	--	--	--	7.76	14.54	
MW-6	5/6/2024	22.30	--	--	--	9.18	13.12	
MW-6	7/29/2024	22.30	--	--	--	9.90	12.40	
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-7	8/14/2023	22.10	--	--	--	10.64	11.46	
MW-7	11/30/2023	22.10	--	--	--	8.79	13.31	
MW-7	1/29/2024	22.10	--	--	--	8.02	14.08	
MW-7	5/6/2024	22.10	--	--	--	10.14	11.96	
MW-7	7/29/2024	22.10	--	--	--	10.38	11.72	
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	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-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	
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-8	8/14/2023	21.54	--	--	--	9.78	11.76	
MW-8	11/30/2023	21.54	--	--	--	8.46	13.08	
MW-8	1/29/2024	21.54	--	--	--	7.20	14.34	
MW-8	5/6/2024	21.54	--	--	--	9.82	11.72	
MW-8	7/29/2024	21.54	--	--	--	9.54	12.00	
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-10	8/14/2023	21.12	--	--	--	10.78	10.34	
MW-10	11/30/2023	21.12	--	--	--	8.82	12.30	
MW-10	1/29/2024	21.12	--	--	--	7.08	14.04	
MW-10	5/6/2024	21.12	--	--	--	9.00	12.12	
MW-10	7/29/2024	21.12	--	--	--	10.49	10.63	
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	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-11	2/14/2014	16.80	--	--	--	3.99	12.81	--
MW-11	5/5/2014	16.80	--	--	--	3.21	13.59	--
MW-11	8/19/2014	16.80	--	--	--	5.69	11.11	--
MW-11	11/21/2014	16.80	--	--	--	4.65	12.15	--
MW-11	11/14/2016	16.80	--	--	--	3.88	12.92	--
MW-11	11/18/2016	16.80	--	--	--	--	--	--
MW-11	2/17/2017	16.80	--	--	--	3.45	13.35	--
MW-11	5/25/2017	16.80	--	--	--	4.38	12.42	--
MW-11	9/26/2017	16.80	--	--	--	6.20	10.60	--
MW-11	9/27/2017	16.80	--	--	--	--	--	--
MW-11	12/12/2017	16.80	--	--	--	4.75	12.05	--
MW-11	2/26/2018	16.80	--	--	--	4.38	12.42	--
MW-11	6/11/2018	16.80	--	--	--	5.62	11.18	--
MW-11	6/26/2018	16.80	--	--	--	5.99	10.81	--
MW-11	8/28/2018	16.80	--	--	--	6.66	10.14	--
MW-11	3/14/2019	16.80	--	--	--	4.48	12.32	--
MW-11	6/12/2019	16.80	--	--	--	5.65	11.15	--
MW-11	9/23/2019	16.80	--	--	--	4.76	12.04	--
MW-11	12/4/2019	16.80	--	--	--	4.80	12.00	--
MW-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-11	8/14/2023	16.80	--	--	--	6.69	10.11	
MW-11	11/30/2023	16.80	--	--	--	4.49	12.31	
MW-11	1/29/2024	16.80	--	--	--	3.09	13.71	
MW-11	5/6/2024	16.80	--	--	--	4.86	11.94	
MW-11	7/29/2024	16.80	--	--	--	6.51	10.29	
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-12	8/14/2023	19.59	--	--	--	8.52	11.07	
MW-12	11/30/2023	19.59	--	--	--	6.60	12.99	
MW-12	1/29/2024	19.59	--	--	--	5.66	13.93	
MW-12	5/6/2024	19.59	--	--	--	7.23	12.36	
MW-12	7/29/2024	19.59	--	--	--	8.28	11.31	
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	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-13	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-13	8/14/2023	21.24	--	--	--	9.23	12.01	
MW-13	11/30/2023	21.24	--	--	--	5.24	16.00	
MW-13	1/29/2024	21.24	--	--	--	4.56	16.68	
MW-13	5/6/2024	21.24	--	--	--	6.08	15.16	
MW-13	7/29/2024	21.24	--	--	--	8.93	12.31	
MW-14	11/14/2011	21.54	--	--	--	9.66	11.88	--
MW-14	2/20/2012	21.54	--	--	--	8.33	13.21	--
MW-14	8/22/2012	21.54	--	--	--	10.36	11.18	--
MW-14	11/5/2012	21.54	--	--	--	8.98	12.56	--
MW-14	1/28/2013	21.54	--	--	--	8.75	12.79	--
MW-14	5/9/2013	21.54	--	--	--	9.19	12.35	--
MW-14	8/19/2013	21.54	--	--	--	11.09	10.45	--
MW-14	11/25/2013	21.54	--	--	--	8.86	12.68	--
MW-14	2/14/2014	21.54	--	--	--	8.28	13.26	--
MW-14	5/5/2014	21.54	--	--	--	7.61	13.93	--
MW-14	8/19/2014	21.54	--	--	--	9.86	11.68	--
MW-14	11/21/2014	21.54	--	--	--	8.32	13.22	--
MW-14	11/14/2016	21.54	--	--	--	9.65	11.89	--
MW-14	11/17/2016	21.54	--	--	--	--	--	--
MW-14	2/16/2017	21.54	--	--	--	7.70	13.84	--
MW-14	5/25/2017	21.54	--	--	--	8.35	13.19	--
MW-14	9/26/2017	21.54	--	--	--	10.10	11.44	--
MW-14	12/14/2017	21.54	--	--	--	8.10	13.44	--
MW-14	2/26/2018	21.54	--	--	--	8.13	13.41	--
MW-14	6/11/2018	21.54	--	--	--	9.38	12.16	--
MW-14	8/28/2018	21.54	--	--	--	11.54	10.00	--
MW-14	12/17/2018	21.54	--	--	--	8.19	13.35	--
MW-15	11/14/2011	20.52	--	--	--	8.71	11.81	--
MW-15	2/20/2012	20.52	--	--	--	6.83	13.69	--
MW-15	8/22/2012	20.52	--	--	--	9.46	11.06	--
MW-15	11/5/2012	20.52	--	--	--	7.83	12.69	--
MW-15	1/28/2013	20.52	--	--	--	8.42	12.10	--
MW-15	5/9/2013	20.52	--	--	--	8.14	12.38	--
MW-15	8/19/2013	20.52	--	--	--	10.38	10.14	--
MW-15	11/25/2013	20.52	--	--	--	7.76	12.76	--
MW-15	2/14/2014	20.52	--	--	--	6.75	13.77	--
MW-15	5/5/2014	20.52	--	--	--	5.79	14.73	--
MW-15	8/19/2014	20.52	--	--	--	9.92	10.60	--
MW-15	11/21/2014	20.52	--	--	--	7.21	13.31	--
MW-15	11/14/2016	20.52	--	--	--	6.44	14.08	--
MW-15	11/18/2016	20.52	--	--	--	--	--	--
MW-15	2/17/2017	20.52	--	--	--	5.52	15.00	--
MW-15	5/26/2017	20.52	--	--	--	6.95	13.57	--
MW-15	9/26/2017	20.52	--	--	--	9.55	10.97	--
MW-15	9/28/2017	20.52	--	--	--	--	--	--
MW-15	12/14/2017	20.52	--	--	--	6.92	13.60	--
MW-15	2/26/2018	20.52	--	--	--	7.61	12.91	--
MW-15	6/11/2018	20.52	--	--	--	8.29	12.23	--
MW-15	6/27/2018	20.52	--	--	--	8.87	11.65	--
MW-15	8/29/2018	20.52	--	--	--	9.91	10.61	--
MW-15	12/17/2018	20.52	--	--	--	7.09	13.43	--
MW-15	3/14/2019	20.52	--	--	--	6.65	13.87	--
MW-15	6/12/2019	20.52	--	--	--	8.51	12.01	--
MW-15	9/23/2019	20.52	--	--	--	8.03	12.49	--
MW-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	13.20	
MW-15	8/14/2023	20.52	--	--	--	9.54	10.98	
MW-15	11/30/2023	20.52	--	--	--	5.85	14.67	
MW-15	1/29/2024	20.52	--	--	--	3.39	17.13	
MW-15	5/6/2024	20.52	--	--	--	5.73	14.79	
MW-15	7/29/2024	20.52	--	--	--	8.00	12.52	
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	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness in Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-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	
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-16	8/14/2023	21.24	--	--	--	8.91	12.33	
MW-16	11/30/2023	21.24	--	--	--	7.21	14.03	
MW-16	1/29/2024	21.24	--	--	--	4.01	17.23	
MW-16	5/6/2024	21.24	--	--	--	7.96	13.28	
MW-16	7/29/2024	21.24	--	--	--	9.68	11.56	
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-2	8/14/2023	21.36	--	--	--	10.62	10.74	
DW-2	1/29/2024	21.36	--	--	--	7.30	14.06	
DW-2	7/29/2024	21.36	--	--	--	10.30	11.06	
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	--

Table 6

Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DW-3	5/5/2014	21.75	--	--	--	8.31	13.44	--
DW-3	11/21/2014	21.75	--	--	--	9.29	12.46	--
DW-3	9/23/2019	21.75	--	--	--	7.60	14.15	--
DW-4	8/22/2012	16.61	--	--	--	5.91	10.70	--
DW-4	11/5/2012	16.61	--	--	--	4.08	12.53	--
DW-4	1/28/2013	16.61	--	--	--	4.69	11.92	--
DW-4	5/9/2013	16.61	--	--	--	4.69	11.92	--
DW-4	8/19/2013	16.61	--	--	--	6.39	10.22	--
DW-4	11/25/2013	16.61	--	--	--	4.41	12.20	--
DW-4	2/14/2014	16.61	--	--	--	3.66	12.95	--
DW-4	5/5/2014	16.61	--	--	--	2.94	13.67	--
DW-4	8/19/2014	16.61	--	--	--	5.44	11.17	--
DW-4	11/21/2014	16.61	--	--	--	4.35	12.26	--
BR-1	11/5/2012	19.55	--	--	--	8.18	11.37	--
BR-1	1/28/2013	19.55	--	--	--	9.60	9.95	--
BR-1	5/9/2013	19.55	--	--	--	10.80	8.75	--
BR-1	8/19/2013	19.55	--	--	--	10.96	8.59	--
BR-1	11/25/2013	19.55	--	--	--	10.03	9.52	--
BR-1	2/14/2014	19.55	--	--	--	7.42	12.13	--
BR-1	5/5/2014	19.55	--	--	--	5.88	13.67	--
BR-1	8/19/2014	19.55	--	--	--	10.58	8.97	--
BR-1	11/21/2014	19.55	--	--	--	9.69	9.86	--
BR-2	11/5/2012	18.08	--	--	--	6.73	11.35	--
BR-2	1/28/2013	18.08	--	--	--	8.02	10.06	--
BR-2	5/9/2013	18.08	--	--	--	9.33	8.75	--
BR-2	8/19/2013	18.08	--	--	--	9.42	8.66	--
BR-2	11/25/2013	18.08	--	--	--	8.55	9.53	--
BR-2	2/14/2014	18.08	--	--	--	6.04	12.04	--
BR-2	5/5/2014	18.08	--	--	--	4.44	13.64	--
BR-2	8/19/2014	18.08	--	--	--	9.05	9.03	--
BR-2	11/21/2014	18.08	--	--	--	7.61	10.47	--
WS-1	1/28/2013	12.24			DRY			
WS-1	5/9/2013	12.24			DRY			
WS-1	8/19/2013	12.24			DRY			
WS-1	11/25/2013	12.24			DRY			
WS-1	2/14/2014	12.24	--	--	--	0.73	12.97	--
WS-1	5/5/2014	12.24	--	--	--	2.30	14.54	--
WS-1	8/19/2014	12.24			DRY			
WS-1	11/21/2014	12.24			DRY			
WS-2		12.03						
WS-2	1/28/2013	12.03			DRY			
WS-2	5/9/2013	12.03			DRY			
WS-2	8/19/2013	12.03			DRY			
WS-2	11/25/2013	12.03	--	--	--	0.075	12.11	--
WS-2	2/14/2014	12.03	--	--	--	1.275	13.31	--
WS-2	5/5/2014	12.03	--	--	--	2.55	14.58	--
WS-2	8/19/2014	12.03			DRY			
WS-2	11/21/2014	12.03			DRY			
WS-3		14.11						
WS-3	1/28/2013	14.11	--	--	--	2.13	16.24	--
WS-3	5/9/2013	14.11	--	--	--	1.05	15.16	--
WS-3	8/19/2013	14.11			DRY			
WS-3	11/25/2013	14.11	--	--	--	1.05	15.16	--
WS-3	2/14/2014	14.11	--	--	--	1.53	15.64	--
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	--

Table 6

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
TW-5	5/5/2014	21.35	--	--	--	7.69	13.66	--
TW-5	8/19/2014	21.35	--	--	--	10.05	11.30	--
TW-6	5/9/2013	21.35	8.32		0.08	8.40	13.01	--
TW-6	8/19/2013	21.35	--	--	--	8.98	12.37	--
TW-6	11/25/2013	21.35	8.29		0.27	8.56	12.99	--
TW-6	2/14/2014	21.35	7.9		0.64	8.54	13.29	--
TW-6	5/5/2014	21.35	7.39	13.96	1.09	8.48	13.69	--
TW-6	8/19/2014	21.35	--	--	--	8.58	12.77	--
TW-7	5/9/2013	21.31	--	--	--	9.39	11.92	--
TW-7	8/19/2013	21.31	--	--	--	11.23	10.08	--
TW-7	11/25/2013	21.31	--	--	--	8.91	12.40	--
TW-7	2/14/2014	21.31	--	--	--	8.41	12.90	--
TW-7	5/5/2014	21.31	--	--	--	7.91	13.40	--
TW-7	8/19/2014	21.31	--	--	--	10.00	11.31	--
TW-8	5/9/2013	21.36	--	--	--	8.22	13.14	--
TW-8	8/19/2013	21.36	--	--	--	8.66	12.70	--
TW-8	11/25/2013	21.36	--	--	--	8.68	12.68	--
TW-8	2/14/2014	21.36	--	--	--	8.03	13.33	--
TW-8	5/5/2014	21.36	--	--	--	6.69	14.67	--
TW-8	8/19/2014	21.36	--	--	--	8.29	13.07	--
AS-1	5/9/2013	21.24	--	--	--	9.34	11.90	--
AS-1	8/19/2013	21.24	--	--	--	11.28	9.96	--
AS-1	11/25/2013	21.24	--	--	--	8.98	12.26	--
AS-1	2/14/2014	21.24	--	--	--	8.46	12.78	--
AS-1	5/5/2014	21.24	--	--	--	7.63	13.61	--
AS-1	8/19/2014	21.24	--	--	--	10.01	11.23	--
EX-1	5/9/2013	21.54	8.57	--	1.46	10.03	12.61	--
EX-1	8/19/2013	21.54	10.41	--	0.71	11.12	10.95	--
EX-1	11/25/2013	21.54	8.39	--	1.57	9.96	12.76	--
EX-1	2/14/2014	21.54	7.76	--	2.22	9.98	13.23	--
EX-1	5/5/2014	21.54	7.3	14.24	2.78	10.08	13.55	--
EX-1	8/19/2014	21.54	9.86	11.68	0.41	10.27	11.58	--
EX-1	7/11/2016	--	9.05	--	0.55	9.60	--	--
EX-1	7/11/2017	--	7.8	--	1.91	9.71	--	--
EX-1	12/11/2017	21.54	4.92	16.62	4.72	9.64	15.68	--
EX-1	2/26/2018	21.54	--	--	--	--	--	--
EX-1	6/11/2018	21.54	8.75	12.79	0.63	9.38	12.66	--
EX-1	12/17/2018	21.54	7.38	14.16	1.94	9.32	13.77	--
EX-1	3/11/2019	21.54	7.38	14.16	1.89	9.27	13.78	--
EX-1	6/12/2019	21.54	7.05	14.49	2.21	9.26	14.05	--
EX-1	9/23/2019	21.54	8.30	13.24	0.95	9.25	13.05	--
EX-1	12/4/2019	21.54	7.80	13.74	1.31	9.11	13.48	--
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

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

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

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
W-2	3/1/2012	**57,500**	**1,900**	<380	--	--	**18,500**	--	**5,330**	**3,050**	--	--
W-2	8/29/2012	**21,900** [10]	**1,500**	<380	--	--	**9,590**	406	**2,070**	**1,740**	12.6	--
W-2	2/4/2013	**16,800**	**3,200**	<440	--	--	**10,200**	116	**2,050**	**1,500**	<50.0	--
W-2	8/13/2013	**21,300**	**3,400**	**540**	--	--	**10,100**	70.4 J	**1,720**	766	<50.0	--
W-2	2/12/2014	**27,100**	**2,700**	450	--	--	**6,730**	89.6	**2,330**	**1,070**	<25.0	--
W-3	4/14/1993	**91,000**	--	--	--	--	**2,000**	**4,800**	**2,700**	**15,000**	--	--
W-3	12/15/1993	**45,000**	--	--	--	--	**670**	**1,300**	580	**8,300**	--	--
W-3	11/4/1994	**39,000**	--	--	--	--	**520**	**190**	630	**5,100**	--	--
W-3	9/17/1997	**105,000**	**15,000**	<500	--	--	**2,820**	**8,730**	**1,570**	**11,500**	--	--
W-3	4/29/1998	**54,000**	**18,000**	<5,000	--	--	**920**	850	**2,000**	**10,000**	--	--
W-3	7/30/1999	**48,000**	**48,000**	<10,000	--	--	**2,900**	**1,900**	**1,800**	**6,900**	--	--
W-3	5/23/2000	**34,000**	**19,000**	<10,000	--	--	**910**	180	**1,400**	**4,900**	--	--
W-3	5/22/2001	**19,000**	**28,000**	<10,000	--	--	**890**	36	**1,100**	**2,200**	--	--
W-3	6/4/2002	**17,000**	**36,000**	<4,800	--	--	**1,900**	45	640	**2,300**	--	--
W-3	11/26/2002	**14,100**	4.89	0.500	--	--	**455**	156	463	**1,570**	--	--
W-3	5/28/2003	**16,000**	**55,000**	<4,800	--	--	**500**	32	600	740	--	--
W-3	6/16/2004	**LPH Encountered**										
W-3	6/21/2005	**9,100**	**10,000**	<980	--	--	**790**	15	470	490	--	--
W-3	6/6/2006	**13,400**	**3,090**	153u	--	--	**1,880**	25.1	640	821	--	--
W-3	10/24/2006	**12,200**	**2,300**	<35.2	--	--	**933**	21.3	293	638	--	--
W-3 (DUP)	10/24/2006	**9,520**	**2,050**	<36.9	--	--	**877**	18.3	301	535	--	--
W-3	3/14/2007	**9,370**	**2,200**	<185	--	--	**687**	18.9	286	446	--	--
W-3	9/12/2007	**9,180**	**2,940**	40.0J	--	--	**614**	13.1	397	437	--	--
W-3	6/4/2008	**13,000**	**2,210**	46.9J	--	--	**727**	149	576	724	--	--
W-3 (DUP)	6/4/2008	**12,400**	**1,980**	42.2J	--	--	**753**	230	519	686	--	--
W-3	8/26/2008	**14,600** [1]	**3,240** [1,3]	46.8 [1]	--	--	**763** [1]	176	564	**1,450** [1]	0.42 [1]	74.4 [1]
W-3	3/25/2010	67.9	<76.9	<385	--	--	3.1	<1.0	5.0	<3.0	<1.0	<250
W-3 (DUP)	3/25/2010	322	<76.9	<385	--	--	**11.3**	<1.0	33.3	5.5	<1.0	<250
W-3 (DUP)	3/25/2010	272	<78.4	<392	--	--	**11.9**	<1.0	34.3	5.6	<1.0	<250
W-3	8/27/2010	**Insufficient Groundwater to Sample**										
W-4	4/14/1993	**130,000**	--	--	--	--	**2,600**	**7,800**	**2,800**	**20,000**	--	--
W-4	12/15/1993	**180,000**	--	--	--	--	**3,200**	**2,700**	**11,000**	**18,000**	--	--
W-4	9/17/1997	**114,000**	**276,000**	<500	--	--	**1,750**	<100	**1,480**	**8,490**	--	--
W-4	4/29/1998	**84,000**	**250,000**	<20,000	--	--	**2,400**	120	**1,600**	**8,000**	--	--
W-4	7/30/1999	**53,000**	**42,000**	<10,000	--	--	**2,100**	100	**1,900**	**6,300**	--	--
W-4	5/23/2001	**LPH Encountered**										
W-4	6/4/2002	**35,000**	**59,000**	**6,800J**	--	--	**2,300**	32	**1,800**	**3,500**	--	--
W-4	11/25/2002	**39,900**	19.2	0.648	--	--	**1,830**	38.2	**2,550**	**4,220**	--	--
W-4	5/28/2003	**32,000**	**26,000**	**1,600J**	--	--	**800**	22	**1,500**	**1,000**	--	--
W-4	6/15/2004	**LPH Encountered**										
W-4	6/21/2005	**23,000**	**110,000**	<19,000	--	--	**1,200**	11	**1,400**	200	--	--
W-4	6/6/2006	**9,180**	**4,620**	411	--	--	**1,230**	18.4	**1,010**	67.4	--	--
W-4	10/24/2006	**17,200**	**5,570**	<70.5	--	--	**1,520**	8.34	**1,490**	18.9	--	--
W-4	3/14/2007	**10,100**	**4,820**	<185	--	--	**422**	11.0	456	148	--	--
W-4	9/12/2007	**Insufficient Groundwater to Sample**										
W-4	6/4/2008	**10,600**	**4,870**	110J	--	--	**941**	34.3	**714**	58.0	--	--
W-4	8/26/2008	**11,700** [1]	**15,100** [1,4]	**1,810** [1,4]	--	--	**1,370** [1]	20.1 [1]	**750** [1]	39.5 [1]	1.21 [1]	74.4 [1]
W-4	3/24/2010	**1,940**	256	<385	--	--	**212**	16.3	139	182	<1.0	<250
W-4	8/27/2010	**Insufficient Groundwater to Sample**										
B-1	4/14/1993	**18,000**	--	--	--	--	**1,300**	17	**450**	**2,200**	--	--
B-1	12/15/1993	**7,800**	--	--	--	--	**590**	76	15	370	--	--
B-1	9/17/1997	475	**9,980**	**25,500**	--	--	**84.6**	2.63	6.43	21.8	--	--
B-1	5/1/1998	560	**5,500**	**13,000**	--	--	**300**	10	24	94	--	--
B-1	5/23/2000	**1,800**	**23,000**	**52,000**	--	--	**1,000**	14	170	160	--	--
B-1	5/24/2001	**2,800**	**5,500**	**6,300**	--	--	**1,300**	25	410	220	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
B-1	6/5/2002	86J	**17,000**	**29,000**	--	--	**37**	0.66J	6.6	6.9	--	--
B-1	5/29/2003	**1,100J**	**4,700**	**8,300**	--	--	**760**	26	180	65	--	--
B-1	6/15/2004	**1,600**	**8,700**	**18,000**	--	--	**890**	10	180	110	--	--
B-1	6/20/2005	550J	**2,700J**	**5,300J**	--	--	**540**	5.5	79	45	--	--
B-1	6/6/2006	**3,300j**	**1,570**	**553**	--	--	**602**	5.87	137	43.9	--	--
B-1	10/24/2006	**3,770**	**884**	**800**	--	--	**363**	6.65	113	26.8	--	--
B-1	3/14/2007	**2,420**	**1,720**	<185	--	--	**118**	4.35	188	21.3	--	--
B-1	9/12/2007	**3,610**	--	--	--	--	**664**	9.88	155	43.6	--	--
B-1	6/4/2008	**2,570**	**2,990**	**7,770**	--	--	**355**	3.54	54.7	37.3	--	--
B-1	8/27/2008	**4,330** [1]	-- [1]	-- [1]	--	--	**741** [1]	8.4 [1]	75.1 [1]	139 [1]	<0.42 [1]	74.4 [1]
B-1	3/24/2010	**1,580**	105	<381	--	--	**297**	8.5	34.3	41.1	<1.0	<250
B-1	8/27/2010						**Unable to Purge**					
B-1	5/18/2011	**903 J**	120	<380	--	--	**311 J**	6.6 J	18.9 J	23.8 J	<1.0 J	--
B-1	8/17/2011	576	<76	<380	--	--	**591**	5.4	4.5	32	<1.0	--
B-1	2/22/2012	**1,200**	200	440	--	--	**82.2**	3.1	19.3	10.9	<1.0	--
B-1	5/9/2012	**1,480**	130	<380	--	--	**18.5**	<1.0	1	<3.0	<1.0	--
B-1	8/23/2012	606	330	**890**	--	--	**759**	5.6	6.3	26.9	<1.0	--
B-1	11/6/2012	**2,140**	190	140	--	--	**257**	<5.0	6.7	<15.0	<5.0	--
B-1	1/29/2013	310	**1,700**	<480	--	--	**13.9**	<1.0	3.2	<3.0	<1.0	--
B-1	4/30/2013	<100	<200	<200	--	--	**8.3**	<1.0	<1.0	<3.0	<1.0	--
B-1	8/13/2013	307	**2,500**	**2,800**	--	--	**283**	1.7 J	1.4	5.3	<1.0	--
B-1	11/19/2013	196 J	<400	<400	--	--	**56.8**	2.4	3.7	<6.0	<2.0	--
B-1	2/5/2014	226 J	<400	<400	--	--	**127**	<2.0	2.1	<6.0	<2.0	--
B-1	5/6/2014	<50	<50	<29	--	--	2.2	<0.22	<0.33	<0.81	<0.34	--
B-2	9/18/1997	**1,980,000**	**74,200**	**7,890**	--	--	**11,200**	**10,600**	**1,310**	**22,200**	--	--
B-2	4/29/1998	**83,000**	**19,000**	**4,300**	--	--	**16,000**	**13,000**	600	**11,000**	--	--
B-2	7/30/1999	**66,000**	**18,000**	<2.0	--	--	**11,000**	**7,900**	**700**	**9,700**	--	--
B-2	5/23/2000	**59,000**	**32,000**	<5.0	--	--	**16,000**	**6,200**	670	**9,300**	--	--
B-2	5/24/2001						**LPH Encountered**					
B-2	6/5/2002						**LPH Encountered**					
B-2	11/25/2002	**60,500**	13.2	<0.5	--	--	**9,850**	**1,780**	**1,280**	**9,220**		
B-2	5/29/2003	**59,000**	**36,000**	**2,700J**	--	--	**8,800**	**2,200**	**900**	**9,600**	--	--
B-2	6/15/2004	**57,000**	**68,000**	<9,700	--	--	**8,700**	510	**1,300**	**8,700**	--	--
B-2	6/20/2005						**LPH Encountered**					
B-2	6/6/2006						**LPH Encountered**					
B-2	10/23/2006	**47,000**	**10,700**	<180	--	--	**7,120**	179	289	**5,280**	--	--
B-2	3/14/2007	**40,700**	**11,900**	<370	--	--	**7,740**	138	280	**6,150**	--	--
B-2	9/11/2007	**35,600**	**8,190**	<103	--	--	**7,760**	71.1	635	**4,670**	--	--
B-2	6/4/2008	**30,300**	**5,450**	369J	--	--	**5,980**	45.8	539	**3,240**	--	--
B-2	8/27/2008	**22,200** [1]	**4,820** [1,3]	<100 [1,7]	--	--	**4,280** [1]	47.8 [1]	243 [1]	**2,270** [1]	4.1 [1]	<74.4 [1]
B-2 (DUP)	8/27/2008	**22,100**	**3,340**	129J	--	--	**4,030**	42.2	277	**2,360**	--	--
B-2	3/24/2010	**32,000**	**2,430**	<385	--	--	**5,190**	33.8	203	**2,810**	6.3	<250
B-2	8/27/2010	**12,300**	**3,240**	<396	--	--	**5,250 E**	47.4	284	**2,110**	10.2	<250
B-2	2/10/2011	**13,800**	**3200J**	<377	--	--	**5,010**	29	269	**1,450**	9	--
B-2	5/18/2011	**16,500**	--	--	--	--	**4,830**	27.8	258	**1,000**	17.3	--
B-2	8/16/2011	**16,900 J**	**1,300**	<380	--	--	**5,800 J**	25.2	254 J	909 J	16.6	--
B-2	3/1/2012	**11,700**	**1,800**	<380	--	--	**1,400**	7.8	78.8	499	4.6	--
B-2	8/27/2012	**9,450** [10]	**1,600**	<380	--	--	**6,440**	21.5	306	882	12.4	--
B-2	2/4/2013	**5,150**	**2,400**	<420	--	--	**1,420**	<10.0	70.3	222	<10.0	--
B-2	8/21/2013	**9,000**	**3,700**	<420	--	--	**7,670 J**	18.5 J	286 J	293 J	14.7 J	--
B-2	2/6/2014	**8,820**	**2,500**	<400	--	--	**4,850**	<20.0	216	205	<20.0	--
B-3	5/24/2001						**LPH Encountered**					
B-3	6/5/2002						**LPH Encountered**					
B-3	11/25/2002	--	--	--	--	--	--	--	--	--	--	--
B-3	5/27/2003						**LPH Encountered**					
B-3	6/15/2004						**LPH Encountered**					

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
B-3	6/20/2005						LPH Encountered					
B-3	6/6/2006						LPH Encountered					
B-3	10/23/2006						LPH Encountered					
B-3	3/14/2007						LPH Encountered					
B-3	9/11/2007						LPH Encountered					
B-3A	6/4/2008	**200,000**	**8,410**	275J	--	--	**40,800**	**38,800**	**2,840**	**16,400**	--	--
B-3A	8/27/2008	**171,000** [1]	**11,200** [1,3]	**790** [1]	--	--	**47,500** [1]	**34,000** [1]	**2,470** [1]	**15,800** [1]	**93.6** [1]	<74.4 [1]
B-3A	3/24/2010	**153,000**	**9,850**	<381	--	--	**42,000**	**48,000**	**3,400**	**20,300**	**94.2**	<250
B-3A	8/25/2010						LPH Encountered					
B-3A	5/18/2011	**155,000 J**	**2,300**	<380	--	--	**30,300 J**	**29,000 J**	**2,410 J**	**14,900 J**	60 J	--
B-3A	8/15/2011	**117,000**	**1,300**	<380	--	--	**41,400**	**29,800**	**2,090**	**11,500**	**70 J**	--
B-3A	2/28/2012	**153,000 J**	**10,000**	**1,600**	--	--	**32,900 J**	**33,500**	**4,010 J**	**17,300 J**	**67.2 J**	--
B-3A	8/29/2012	**114,000** [10]	**2,700**	<380	--	--	**19,100**	**19,800**	**2,030**	**12,100**	**63.5**	--
B-3A	2/4/2013	**141,000**	**5,500**	<420	--	--	**32,400**	**32,100**	**2,260**	**14,800**	<100	--
B-3A	8/13/2013	**175,000**	10,000	**890**	--	--	**23,200**	**19,400**	**1,730**	**11,200**	<200	--
B-3A	2/5/2014	**200,000**	**3,200**	<400	--	--	**28,400**	**28,300**	**2,790**	**18,400**	<50.0	--
B-3A	11/18/2016	**88,200**	**9,500**	<380	--	--	**30,600**	**7,000**	**2,700**	**18,500**	--	--
B-3A	5/25/2017	**108,000**	**5,900**	<400	--	--	**28,600**	**2,980**	**2,760**	**20,500**	--	--
B-3A	12/14/2017	**71,000**	**14,400 J**	<400 J	--	--	**11,100**	326	**751**	**19,100**	--	--
B-3A	3/1/2018	**81,300**	**31,200**	**700**	--	--	**6,140**	247	**727**	**15,000**	--	--
B-4	9/18/1997	**1,170,000**	**99,600**	<20,500	--	--	**2,590**	**8,520**	**4,340**	**26,600**	--	--
B-4	7/29/1999	**70,000**	**90,000**	<20,000	--	--	**1,800**	**1,600**	**2,300**	**13,000**	--	--
B-4	5/23/2000	**76,000**	**51,000**	<20,000	--	--	**1,500**	**3,500**	**2,600**	**13,000**	--	--
B-4	5/23/2001	**52,000**	**49,000**	<20,000	--	--	**600**	**2,300**	**2,500**	**10,000**	--	--
B-4	6/5/2002						LPH Encountered					
B-4	11/25/2002	**41,700**	5.46	<0.5	--	--	**519**	295	**2,180**	**10,500**	--	--
B-4	5/29/2003	**38,000**	**34,000**	**5,200J**	--	--	**280**	570	**1,400**	**5,900**	--	--
B-4	6/15/2004						LPH Encountered					
B-4	6/20/2005						LPH Encountered					
B-4	6/6/2006						LPH Encountered					
B-4	10/23/2006						LPH Encountered					
B-4	3/14/2007						LPH Encountered					
B-4	9/11/2007	**22,100**	**3,460**	48.5J	--	--	**543**	67.9	**1,520**	**3,640**	--	--
B-4	6/3/2008	**30,200**	**3,560**	217	--	--	**336**	258	**1,260**	**4,590**	--	--
B-4	8/27/2008	**25,200** [1]	**3,450** [1,3]	199 [1]	--	--	**604** [1]	192 [1]	**1,130** [1]	**4,630** [1]	<0.42 [1]	<74.4 [1]
B-4	3/22/2010						LPH Encountered					
B-4	8/25/2010						LPH Encountered					
B-4	5/18/2011	**33,100**	**3,900**	520	--	--	**357**	164	**1450**	**2,270**	<1.0	--
B-4	8/16/2011	**19,800**	**7,000**	**670**	--	--	**397**	114	**1,060**	**1,440**	<1.0	--
B-4	2/23/2012	**7,310**	**1,500**	<380	--	--	**159**	10.9	169	544	<1.0	--
B-4	8/29/2012	**14,600** [10]	**1,300**	<400	--	--	**240**	80.2	470	**1,230**	<1.0	--
B-4 (DUP)	8/29/2012	**14,500** [10]	**7,400**	**1,400**	--	--	**226**	54.6	423	**1,090**	<1.0	--
B-4	2/4/2013	**9,210**	**5,800**	430	--	--	**322**	17.6	470	363	<5.0	--
B-4	8/21/2013	**19,300**	**5,500**	450	--	--	**466 J**	51 J	**1,010 J**	**1,510 J**	<5.0 J	--
B-4	2/11/2014	**17,200**	**3,800**	<400	--	--	**110 J**	8.6 J	218 J	229 J	<1.0	--
B-4	11/17/2016	**7,270**	**7,100**	<360	--	--	**213**	<10.0	288	<30.0	--	--
B-4	12/14/2017	**4,600**	**28,500**	**1,200**	--	--	**12.5**	1.3	117	6.3	--	--
B-4	3/1/2018	**2,780**	**13,500**	**540**	--	--	**34.5**	<1.0	90.7	5.3	--	--
B-4	8/29/2018	**4,870**	**10,600**	**810**	--	--	**133**	5.4	164	6.7	--	--
B-4	2/22/2023	**2,300**	**740**	<100	--	--	**200**	19	270	380	--	--
B-4	8/15/2023	**7,700**	--	--	**3,100**	<98	**230**	30	670	1,000	--	--
B-4	2/2/2024	**2,500**	--	--	**3,300**	<95	**130**	23	250	400	--	--
B-4	7/30/2024	**20,500**	**5,930**	493	--	--	**311**	36.8	670	828	--	--
B-5	9/17/1997	**38,900**	**28,100**	**8,980**	--	--	**2,810**	**3,750**	631	**5,180**	--	--
B-5	4/29/1998	**28,000**	**81,000**	**17,000**	--	--	**1,600**	**1,100**	460	**4,600**	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
B-5	7/29/1999	**21,000**	**18,000**	<2,000	--	--	**1,200**	240	330	**2,600**	--	--
B-5	5/23/2000	**11,000**	**15,000**	**4,000J**	--	--	**690**	59	230	960	--	--
B-5	5/23/2001	**10,000**	**13,000**	**3,500J**	--	--	**2,000**	120	320	**2,100**	--	--
B-5	6/5/2002	**4,300**	**16,000**	**4,800J**	--	--	**940**	23	230	560	--	--
B-5	11/25/2002	**2,270**	1.06	<0.5	--	--	**126**	4.31	37.4	67.4	--	--
B-5	5/29/2003	**3,300**	**4,300**	**1,600J**	--	--	**440**	26	260	260	--	--
B-5	6/15/2004	**2,600**	**100,000**	**25,000**	--	--	**830**	23	110	310	--	--
B-5	6/22/2005	**980J**	**36,000**	**17,000J**	--	--	**630**	6.7	70	140	--	--
B-5	6/6/2006	**4,540j**	**2,860**	271u	--	--	**944**	14.4	214	507	--	--
B-5	10/23/2006	**9,010**	**6,440**	**605**	--	--	**1,950**	23.8	372	904	--	--
B-5	3/14/2007	**11,000**	**3,100**	339	--	--	**1,790**	21.4	494	909	--	--
B-5 (DUP)	3/14/2007	**10,500**	**3,500**	475	--	--	**1,920**	21.5	497	914	--	--
B-5	9/11/07	**2,740**	**5,580**	**1,530**	--	--	**689**	9.89	72.2	191	--	--
B-5	6/3/2008	**12,400**	**2,640**	**648**	--	--	**2,480**	24.8	311	656	--	--
B-5	8/27/2008	**6,990** [1]	**5,700** [1,4]	**909** [1]	--	--	**1,330** [1]	14.2 [1]	103 [1]	180 [1]	<0.42 [1]	<74.4 [1]
B-5	3/24/2010	**8,510**	**2,260**	<381	--	--	**1,740**	34.3	**1,720**	530	1.8	<250
B-5	8/25/2010						**LPH Encountered**					
B-5	8/16/2011	**10,400**	**7,300**	**850**	--	--	**1,240**	21.1	**815**	171	<1.0	--
B-5	2/29/2012	**17,700**	**20,000**	**1,700**	--	--	**2,720**	23.3	**1,440**	261	<1.0	--
B-5	9/5/2012	**9,590** [10]	**22,200**	**1,700**	--	--	**772**	7.3	149	71.4	<1.0	--
B-5	2/4/2013	**4,480**	**2,100**	<440	--	--	**596**	<5.0	72	19.1	<5.0	--
B-5	8/21/2013	**4,520**	**4,800**	**630**	--	--	**318 J**	<5.0 J	67.1 J	<15.0 J	<5.0 J	--
B-5	2/6/2014	**4,850**	**7,900**	**1,000**	--	--	**442**	<5.0	88	<15.0	<5.0	--
B-6	5/17/1996	--	--	**1,230**	--	--	**6.86**	6.6	2.19	13.1	--	--
B-6	9/17/1997	**194,000**	**102,000**	**61,700**	--	--	**2,850**	**7,070**	**1,270**	**7,860**	--	--
B-6	4/29/1998	**160,000**	**51,000**	**6,900**	--	--	**7,500**	**16,000**	**2,600**	**18,000**	--	--
B-6	7/29/1999	**97,000**	**23,000**	<10,000	--	--	**8,300**	**13,000**	**2,200**	**13,000**	--	--
B-6	5/24/2001	**69,000**	**44,000**	**25,000**	--	--	**6,900**	**4,300**	**980**	**7,200**	--	--
B-6	6/5/2002						**LPH Encountered**					
B-6	11/26/2002	**43,000**	5.31	2.51	--	--	**5,230**	**5,410**	525	**5,460**	--	--
B-6 (DUP)	11/26/2002	**43,500**	7.04	3.63	--	--	**4,850**	**5,010**	464	**5,430**	--	--
B-6	5/29/2003	**35,000**	**7,700**	**4,500J**	--	--	**4,600**	**4,000**	450	**4,800**	--	--
B-6	6/15/2004	**48,000**	**210,000**	**100,000**	--	--	**5,900**	**8,500**	**760**	**6,400**	--	--
B-6	6/22/2005	**22,000**	**100,000**	**45,000**	--	--	**3,800**	**3,600**	200	**2,200**	--	--
B-6	6/6/2006	**33,500**	**5,420**	**528**	--	--	**2,540**	**4,560**	664	**4,590**	--	--
B-6	10/23/2006	**37,400**	**7,050**	371J	--	--	**2,660**	**5,280**	566	**4,650**	--	--
B-6	3/14/2007	**41,200**	**4,740**	**532**	--	--	**1,780**	**5,230**	603	**7,220**	--	--
B-6	9/11/2007	**38,900**	**6,270**	**1,030**	--	--	**2,560**	**3,370**	494	**5,460**	--	--
B-6	6/4/2008	**52,000**	**7,350**	**4,460**	--	--	**5,320**	**8,210**	483	**7,740**	--	--
B-6	8/27/2008	**37,600** [1]	**14,800** [1,3]	**17,400** [1,2]	--	--	**3,670** [1]	**6,140** [1]	604 [1]	**4,820** [1]	0.77 [1]	<74.4 [1]
B-6	3/23/2010	**60,000**	**1,380**	<381	--	--	**8,200**	**10,200**	**1,300**	**10,600**	4.1	<250
B-6	8/27/2010	**49,400**	**2,710**	**528**	--	--	**4,800**	**7,280**	**1,140**	**8,490**	<1.0	<250
B-6	2/10/2011	**63,900**	**3,050**	**1,020**	--	--	**2,310**	**4,700**	**717**	**6,410**	<1.0	--
B-6	5/24/2011	**78,000**	**1,500**	<390	--	--	**6,000**	**9,030**	**1,900**	**10,800**	<1.0	--
B-6	8/15/2011	**38,100**	**3,000**	**1,800**	--	--	**6,280 J**	**5,830 J**	**740 J**	**4,580 J**	3	--
B-6	11/23/2011	**61,100**	**3,100**	**1,400**	--	--	**1,300**	**3,560**	**1,430**	**9,180**	<1.0	--
B-6	2/29/2012	**45,200**	**1,700**	**850**	--	--	**7,120**	**10,400**	**1,830**	**13,500**	<1.0	--
B-6	5/10/2012	**39,600**	**2,500**	**810**	--	--	**4,250**	**5,190**	670	**8,410**	<50.0	--
B-6	8/27/2012	**39,200** [10]	**1,500**	430	--	--	**5,080**	**4,060**	671	**7,380**	2.1	--
B-6	11/16/2012	**28,300**	**6,600**	**2,000**	--	--	**1,930**	924	201	**6,340**	<20	--
B-6	2/7/2013	**29,600**	**7,800**	<450	--	--	**1,900**	**1,080**	224	**6,000**	<20.0	--
B-6	4/30/2013	**28,000**	**510**	<200	--	--	**2,150**	**1,550**	302	**6,570**	<25.0	--
B-6	8/20/2013	**19,900**	**2,600**	**910**	--	--	**1,900**	359	171	**3,970**	<10.0	--
B-6 (DUP)	8/20/2013	**19,500**	**2,000**	**640 J**	--	--	**1,770**	356	133	**3,690**	<20.0	--
B-6	11/19/2013	**30,400**	**1,300**	<400	--	--	**6,490 J**	**1,920**	319	**5,820**	<10.0	--
B-6	2/11/2014	**28,600**	**1,100**	440	--	--	**3,390**	**1,740**	298	**5,770**	<10.0	--
B-6	5/1/2014	**26,800**	**1,200**	**2,200**	--	--	**3,590**	**1,280**	321	**5,630**	<1.7	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
B-6	11/17/2016	**28,800**	**2,900**	**1,200**	--	--	**6,790**	59.7	**1,440**	**4,770**	--	--
B-6	5/25/2017	**16,000**	**1,700**	**530**	--	--	**3,690**	19.5	**816**	**2,280**	--	--
B-6	12/14/2017	**2,540**	**2,000**	470	--	--	**414**	<5.0	111	83.7	--	--
B-6	3/1/2018	**2,230**	**1,400**	<390	--	--	**289**	3.1	119	111	--	--
B-6	8/29/2018	**4,480**	**4,600**	**1,500**	--	--	**886**	9.5	242	77.1	--	--
B-6	2/22/2023	**3,700**	**1,300**	<100	--	--	**1,700**	<20	190	150	--	--
B-6	2/2/2024	**2,700**	--	--	**1,100**	<99	**570**	<10	130	32	--	--
B-6 (DUP)	2/2/2024	**2,800**	--	--	**1,100**	<100	**590**	2.1	130	35	--	--
B-6	7/31/2024	**5,630**	**4,410**	**2,040**	--	--	**2,900**	<100	**915**	61.8 J	--	--
D-1	4/14/1993	190	--	--	--	--	**200**	0.62	13	1.2	--	--
D-1	12/15/1993	83	--	--	--	--	**7.1**	<0.50	<0.50	1.3	--	--
D-1	11/4/1994	52	--	--	--	--	2	<0.50	<0.50	<1.0	--	--
D-1						**Undocumented - Well Was Abandoned**						
D-1	11/26/2002	185	0.434	1.01	--	--	<0.5	1.12	<0.5	2.16	--	--
D-1R	11/17/2011	192	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/21/2012	436	77	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	5/11/2012	176	130	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	8/31/2012	224	80	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	11/9/2012	<100	<130	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/1/2013	220	<450	<450	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	4/30/2013	262	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	8/20/2013	226	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	11/19/2013	199	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/7/2014	388	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	5/1/2014	460	<48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
D-1R	8/12/2014	324	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	11/25/2014	196	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R (DUP)	11/25/2014	196	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	2/13/2015	341	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-1R	11/16/2016	319	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	2/16/2017	279	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	5/24/2017	541	<530	<530	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	9/28/2017	683	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	12/14/2017	593	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	3/1/2018	690 J	450	<370	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
D-1R	6/27/2018	**818**	**630**	<420	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	8/28/2018	651	470	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	12/19/2018	539	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R (DUP)	12/19/2018	585	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	3/14/2019	778	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	9/25/2019	345	<417	<417	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	2/26/2020	565	<435 J	<435 J	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-1R	9/17/2020	268	<385	<385	--	--	<1.00	<1.00	<1.00	<3.00	--	--
D-1R	3/18/2021	534	<392 J	<392 J	--	--	<1.00	<1.00	<1.00	<3.00	--	--
D-1R	9/16/2021	300	340	<94	--	--	<0.50	<1.0	<1.0	<2.0	--	--
D-1R	3/4/2022	340	310	<94	--	--	<0.50	<1.0	<1.0	<2.0	--	--
D-1R (DUP)	3/4/2022	340	290	<96	--	--	<0.50	<1.0	<1.0	<2.0	--	--
D-1R	8/31/2022	400	230	<94	--	--	<0.50	<1.0	<1.0	<2.0	--	--
D-1R	2/22/2023	410	140	<100	--	--	<0.50	<1.0	<1.0	<2.0	--	--
D-1R	8/15/2023	360	--	--	<97	<97	<0.50	<1.0	<1.0	<2.0	--	--
D-1R	1/30/2024	420	--	--	440	<95	<0.50	<1.0	<1.0	<2.0	--	--
D-1R	8/1/2024	**1,010**	**637**	279 J	--	--	<1.00	<1.00	<1.00	<2.00	--	--
D-1R Dup	8/1/2024	**1,100**	**650**	276 J	--	--	<1.00	<1.00	<1.00	<2.00	--	--
D-2	11/4/1994	<50	--	--	--	--	3.0	<0.50	<0.50	<1.0	--	--
D-2						**Undocumented - Well Was Abandoned**						

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
D-4	11/4/1994	450	--	--	--	--	<0.50	2.1	0.78	4.7	--	--
D-4	6/21/2005					Insufficient Groundwater to Sample						
D-4	6/7/2006	101	**2,760**	**2,840**	--	--	<0.290	<0.280	<0.340	<0.820	--	--
D-4	3/15/2007	92.3J	--	--	--	--	0.430J	0.460J	0.430J	0.750J	--	--
D-4	9/11/2007					Insufficient Groundwater to Sample						
D-4	6/2/2008					Insufficient Groundwater to Sample						
D-4	8/26/2008	76.2 [1]	268 [1,5]	441 [1,5]	--	--	<0.27 [1]	1.6 [1]	0.58 [1]	1.45 [1]	<0.42 [1]	<74.4 [1]
D-4	3/23/2010					Insufficient Groundwater to Sample						
D-4	8/25/2010					Insufficient Groundwater to Sample						
D-4	5/26/2011	<50.0	**1,400**	**1,800**	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R	11/15/2011	<50.0 J	<76	<380	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
D-4R	2/22/2012	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R	5/9/2012	<100	110	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R	8/23/2012	<50.0	<79	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R	11/6/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R	1/29/2013	<100	<450	<450	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R (DUP)	1/29/2013	<100	<450	<450	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R	4/29/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R	8/13/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R	11/18/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R	2/4/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-4R	4/28/2014	129	48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
D-4R	11/16/2016	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-4R	2/16/2017	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-4R	5/24/2017	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-4R	9/27/2017	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-4R	12/13/2017	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-4R	3/1/2018	<100	<370	<370	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-4R	6/27/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-4R	8/29/2018	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-4R	12/19/2018	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-5	12/15/1993	260	--	--	--	--	**14**	<0.50	1.7	2.1	--	--
D-5	11/4/1994	170	--	--	--	--	**15**	3	<0.50	4	--	--
D-5	9/11/2007					Insufficient Groundwater to Sample						
D-5	6/2/2008					Insufficient Groundwater to Sample						
D-5	8/25/2008					Insufficient Groundwater to Sample						
D-5	3/23/2010					Insufficient Groundwater to Sample						
D-5	8/25/2010					Insufficient Groundwater to Sample						
D-5R	11/15/2011	160	<77	<380	--	--	1	1.4	<1.0	4.6	<1.0	--
D-5R	2/22/2012	74.4 J	<77	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	5/9/2012	380	96	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	8/23/2012	55.2	<82	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	11/6/2012	427	<110	<110	--	--	<1.0	<1.0	<1.0	1.0	<1.0	--
D-5R	1/29/2013	128	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	4/29/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	8/13/2013	103	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	11/18/2013	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R (DUP)	11/18/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	2/4/2014	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
D-5R	4/28/2014	<50	48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
D-5R	11/17/2016	136	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-5R	11/17/2016	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-5R	2/16/2017	<100	<360	<360	--	--	**8.2**	<1.0	<1.0	<3.0	--	--
D-5R	5/24/2017	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
D-5R	9/27/2017	253	<410	<410	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
D-5R	12/13/2017	191	<480	<480	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-5R	2/28/2018	<100	<380	<380	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
D-5R	6/27/2018	149	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-5R (DUP)	6/27/2018	142	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-5R	8/29/2018	306	<390	<390	--	--	<1.0	<1.0	<1.0	4.1	--	--
D-5R (DUP)	8/29/2018	296	<440	<440	--	--	<1.0	<1.0	<1.0	4.2	--	--
D-5R	12/18/2018	168	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
D-6	4/30/1998	<50	**14,000**	**86,000**	--	--	**11**	2	0.2	1.4	--	--
D-6	5/23/2000	59J	**<2,000**	<5,000	--	--	**200**	5.6	1.0J	3.6	--	--
D-6	5/23/2001	10J	**1,400**	**3,800**	--	--	**200**	9.1	4.2	5.2	--	--
D-6	6/5/2002	87J	**900**	**2,600**	--	--	**120**	9.6	2.3	5.8	--	--
D-6	11/26/2002	385	<0.25	<0.5	--	--	**121**	10.7	1.20	5.59	--	--
D-6	5/27/2003	<48	**7,600J**	**37,000**	--	--	**7.2**	1.1	0.3J	0.9J	--	--
D-6	6/15/2004	59J	**1,300J**	**5,800**	--	--	**78.0**	4.3	1.7	3.6	--	--
D-6	6/22/2005	160J	**3,700**	**4,000J**	--	--	**130**	14.0	2.5	8.4	--	--
D-6	6/7/2006	342	**1,580**	**1,050**	--	--	**22.2**	0.960J	0.580J	<0.820	--	--
D-6	10/23/2006	445	**1,490**	**4,160**	--	--	**111**	19.0	4.97	22.7	--	--
D-6	3/14/2007	487	**792**	**604**	--	--	**150**	3.32	2.24	3.12	--	--
D-6	9/11/2007	425	--	--	--	--	**160**	6.32	2.56	5.78	--	--
D-6	6/3/2008	497	391	**520**	--	--	**100**	2.38	0.620J	1.64J	--	--
D-6	8/27/2008	559 [1]	**1,840** [1,2]	**4,810** [1,3]	--	--	**145** [1,6]	4.09 [1]	1.65 [1]	3.62 [1]	0.6 [1]	<74.4 [1]
D-6	3/23/2010	<79.5	<76.2	<381	--	--	**268**	4.3	1.8	<3.0	<1.0	<250
D-6	8/27/2010	71.4	<78.4	<392	--	--	**144**	4.1	1.6	<3.0	<1.0	<250
D-6	2/10/2011	50	89.1	<385	--	--	**91**	1.8	<1.0	<3.0	<1.0	--
D-6	5/25/2011	<50.0	250	**1,300**	--	--	**13**	<1.0	<1.0	<3.0	<1.0	--
D-6	8/16/2011	<50.0	<76	<380	--	--	**42.5**	1.2	<1.0	<3.0	<1.0	--
D-6	11/22/2011	<50.0	<76	<380	--	--	**29.5**	<1.0	<1.0	<3.0	<1.0	--
D-6	3/1/2012	<50.0	<77	<380	--	--	**21.9**	<1.0	<1.0	<3.0	<1.0	--
D-6	5/10/2012	139	95	<380	--	--	**28.2**	<1.0	<1.0	<3.0	<1.0	--
D-6 (DUP)	5/10/2012	141	<120	<620	--	--	**25.3**	<1.0	<1.0	<3.0	<1.0	--
D-6	8/27/2012	75.2	<84	<420	--	--	**17.0**	2.1	1.4	8.8	<1.0	--
D-6	11/12/2012	<100	<110	<110	--	--	**14.3J**	<1.0	<1.0	<3.0	<1.0	--
D-6 (DUP)	11/12/2012	<100	<120	<120	--	--	**15.3**	<1.0	<1.0	<3.0	<1.0	--
D-6	2/1/2013	<100	<420	<420	--	--	2.5	<1.0	<1.0	<3.0	<1.0	--
D-6	8/20/2013	<100	<420	<420	--	--	**7.1**	<1.0	<1.0	<3.0	<1.0	--
D-6	11/19/2013	<100	<400	<400	--	--	4.9	<1.0	<1.0	<3.0	<1.0	--
D-6	2/11/2014	<100	<400	**530**	--	--	1.7	<1.0	<1.0	<3.0	<1.0	--
D-6	5/1/2014	<50	<52	**890**	--	--	1.6	<0.11	<0.16	<0.40	<0.17	--
D-7	4/14/1993	77	--	--	--	--	**1,300**	21	**420**	**2,200**	--	--
D-7	11/4/1994	210	--	--	--	--	**88**	2.1	4.7	13	--	--
D-7	9/17/1997	453	**7,990**	**22,400**	--	--	**150**	13.5	7.04	35.5	--	--
D-7	4/30/1998	170	**3,300**	**6,200**	--	--	**63**	5.0	0.9	7	--	--
D-7	5/23/2000	120J	**4,600J**	**19,000**	--	--	**480**	7.2	1.6	13	--	--
D-7	5/23/2001	130J	**4,100J**	**17,000**	--	--	**410**	8.7	1.6	18	--	--
D-7	6/4/2002	70J	**9,300**	**31,000**	--	--	**180**	6.7	0.72J	8.1	--	--
D-7	11/26/2002	<50	0.435	1.26	--	--	2.82	0.614	<0.5	1.12	--	--
D-7	6/15/2004	88J	**15,000**	**51,000**	--	--	**190**	18.0	0.5J	3.8	--	--
D-7	6/22/2005	140J	**11,000**	**36,000**	--	--	**83**	5.7	0.9J	9.0	--	--
D-7	6/7/2006	281	**3,760**	**9,490**	--	--	**70.4**	2.94	<0.340	<0.820	--	--
D-7	10/24/2006	56.2Ju	**913J**	**37,200**	--	--	**6.98**	0.630J	<0.230	<0.440	--	--
D-7	3/14/2007	76.3J	**762**	**2,830**	--	--	**5.57**	0.580 J	<0.420	<0.450	--	--
D-7	9/12/2007	70.7J	**897**	**3,130**	--	--	**10.6**	1.39	<0.420	<0.450	--	--
D-7	6/3/2008	452	**1,760**	**3,220**	--	--	**33.4**	0.470J	<0.240	2.33J	--	--
D-7	8/27/2008	762 [1]	-- [1]	-- [1]	--	--	**96.6** [1]	4.96 [1]	1.04 [1]	7.08 [1]	<0.42 [1]	<74.4 [1]
D-7	3/23/2010	176	<76.2	<381	--	--	**278**	5.4	1.1	10.3	<1.0	<250

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

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

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

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

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
HA-4	5/23/2001	<48	**550**	**1,900**	--	--	<0.2	7.60	<0.2	<0.6	--	--
HA-4	6/4/2002	<48	230J	270J	--	--	0.22J	0.33J	<0.2	1.1J	--	--
HA-4	5/27/2003	<48	410	**720**	--	--	<0.2	2.3	<0.2	<0.6	--	--
HA-4	6/16/2004	70J	470	**590J**	--	--	<0.2	4.7	<0.2	<0.6	--	--
HA-4	6/22/2005	<48	**560**	**1,000**	--	--	<0.2	0.6J	<0.2	1.0J	--	--
HA-4	10/24/2006	275	325	**672**	--	--	**60.6**	21.0	2.92	19.2	--	--
HA-4	3/15/2007	66.5J	**519**	155	--	--	<0.330	<0.420	<0.420	<0.450	--	--
HA-4	9/12/2007	84.9J	--	--	--	--	<0.330	<0.420	<0.420	0.770J	--	--
HA-4	6/4/2008	131	94.0J	204	--	--	0.920J	2.95	1.65	7.44	--	--
HA-4	8/26/2008	<43 [1]	188 [1,2]	421 [1,2]	--	--	<0.27 [1]	<0.28 [1]	<0.24 [1]	<0.86 [1]	<0.42 [1]	<'74.4 [1]
HA-4	3/25/2010	**Insufficient Groundwater to Sample**										
HA-4	8/25/2010	<50.0	**--**	--	--	--	1.6	<1.0	<1.0	<3.0	<1.0	<250
HA-4	2/8/2011	61.8	114	<404	--	--	1.4	1.3	1.8	14.7	<1.0	--
HA-4	5/17/2011	<50.0 J	<77.0	<380	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
HA-4	8/11/2011	<50.0	--	--	--	--	--	--	--	--	--	--
HA-4	11/18/2011	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	2/24/2012	<50.0	<77	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	5/16/2012	215	<85	<430	--	--	<1.0	49.7	<1.0	<3.0	<1.0	--
HA-4	8/29/2012	<50.0	--	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	11/15/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	2/7/2013	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	5/2/2013	121	<200	210	--	--	<1.0	43.7	<1.0	<3.0	<1.0	--
HA-4	8/23/2013	<100	<400	<400	--	--	<1.0	3.7 J	<1.0	<3.0	<1.0	--
HA-4	11/21/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	2/10/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-4	5/7/2014	963	<28	<48	--	--	<0.30	297	<0.33	<0.81	<0.34	--
HA-5	4/14/1993	**3,500**	--	--	--	--	**22**	2.2	84	210	--	--
HA-5	12/15/1993	710	--	--	--	--	**17**	18	1.2	38	--	--
HA-5	11/4/1994	250	--	--	--	--	**14**	1.5	1.6	2.9	--	--
HA-5	9/18/1997	349	**1,790**	**969**	--	--	**18.50**	2.45	1.89	6.8	--	--
HA-5	5/1/1998	**950**	**640**	**840**	--	--	**15**	3	7	5	--	--
HA-5	7/29/1999	480	240J	<200	--	--	**17**	3	0.4J	9	--	--
HA-5	5/23/2000	410	380	**630**	--	--	**9.1**	2.6	2	5.5	--	--
HA-5	5/22/2001	480	290	<200	--	--	2.5	1.7	0.23J	3.0	--	--
HA-5	6/5/2002	**880**	260	110J	--	--	**30.0**	5.3	140	16.0	--	--
HA-5	11/19/2002	223	NA	NA	--	--	3.39	5.63	0.581	5.87	--	--
HA-5	11/25/2002	236	<0.25	<0.5	--	--	2.94	1.67	<0.5	4.22	--	--
HA-5 (DUP)	11/25/2002	243	<0.25	<0.5	--	--	2.78	1.51	<0.5	3.81	--	--
HA-5	1/14/2003	**14,300**	NA	NA	--	--	**3,380**	**2,870**	43.6	151	--	--
HA-5	2/24/2003	**65,000**	0.476	<0.5	--	--	**8,620**	**17,200**	685	**3,260**	--	--
HA-5	3/25/2003	**54,700**	0.388	<0.5	--	--	**6,550**	**14,700**	657	**2,900**	--	--
HA-5	4/18/2003	**66,600**	<0.25	<0.5	--	--	**7,550**	**16,800**	**857**	**3,960**	--	--
HA-5	5/28/2003	**21,000**	310	150J	--	--	**2,700**	**5,200**	350	**1,700**	--	--
HA-5	8/11/2003	**2,810**	0.512	<0.5	--	--	**659**	232	26.7	187	--	--
HA-5	3/15/2004	708	2.38	<0.5	--	--	**21.2**	1.38	41.5	6.55	--	--
HA-5	6/16/2004	570	**1,400J**	<1,000	--	--	3.0	1.2	3.1	25	--	--
HA-5	6/22/2004	178	<0.25	<0.5	--	--	2.85	<0.5	0.559	<1	--	--
HA-5	9/21/2004	409	4.17	<0.5	--	--	**9.76**	0.657	16.5	7.84	--	--
HA-5	12/21/2004	<50	<0.25	<0.5	--	--	0.567	<0.5	<0.5	<1	--	--
HA-5	3/22/2005	<100	<0.236	<0.473	--	--	**17.6**	<1	<1	<3	--	--
HA-5	6/20/2005	86J	**790**	<94	--	--	2.7	<0.2	<0.2	0.7J	--	--
HA-5	6/24/2005	124	1.18 (d)	<0.456	--	--	<1	<1	<1	<3	<1	--
HA-5	7/28/2005	**870**	360	<95	--	--	0.9	1.7	3.2	52	<0.3	--
HA-5	9/20/2005	140	85	<94	--	--	**6.9**	11	1.9	9.7	--	--
HA-5	11/30/2005	<48	95	<94	--	--	<0.5	<0.7	<0.8	<0.8	--	--
HA-5	2/28/2006	<48	100	<100	--	--	2	<0.7	<0.8	<0.8	<0.5	--
HA-5	5/16/2006	<48	<76	<95	--	--	1.9	<0.2	<0.2	<0.6	<5	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
HA-5	6/7/2006	173	205	171	--	--	0.570J	<0.280	<0.340	<0.820	--	--
HA-5	8/17/2006	100	190	<96	--	--	**5**	<0.7	<0.8	<0.8	<0.5	--
HA-5	10/24/2006	303	178	<35.8	--	--	**22.7**	3.42	1.72	2.92J	--	--
HA-5	11/21/2006	150	590	<96	--	--	**15**	<0.7	<0.8	4.0	<0.5	--
HA-5	2/20/2007	180	--	--	--	--	**5**	<0.7	2	<0.8	<0.5	--
HA-5	3/15/2007	133	454	<37.0	--	--	3.79	<0.420	0.770J	<0.450	--	--
HA-5	5/15/2007	110	260	<95	--	--	2	<0.7	<0.8	<0.8	<0.5	--
HA-5	9/11/2007	507	**525**	76.2J	--	--	**78.7**	5.24	9.22	16.2	--	--
HA-5	9/12/2007	720	<160	<200	--	--	**280**	23	34	100	<0.5	--
HA-5	11/27/2007	100	190	<95	--	--	**5**	<0.7	2	4	<0.5	--
HA-5	2/26/2008	77	100	<93	--	--	0.7	<0.7	<0.8	1	<0.5	--
HA-5	6/4/2008	**999**	185	116	--	--	4.66	2.74	30.9	8.96	--	--
HA-5	8/26/2008	**1,220** [1]	360 [1,4]	136 [1,4]	--	--	**24.7** [1]	11.5 [1]	5.64 [1]	31.4 [1]	<0.42 [1]	<74.4 [1]
HA-5	3/24/2010	162	<76.2	<381	--	--	**5.8**	1.4	<1.0	6.7	<1.0	<250
HA-5	8/27/2010	571	87.1	<392	--	--	**31.2**	8.3	61.8	37.8	<1.0	<250
HA-5	2/11/2011	130	<77.7	<388	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	8/12/2011	<50.0	<78	<390	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	2/23/2012	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	8/23/2012	<50.0	<83	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	1/30/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	8/22/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-5	2/7/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-6	4/14/1993	**63,000**	--	--	--	--	**1,400**	**9,300**	**1,200**	**10,000**	--	--
HA-6	12/15/1993	**59,000**	--	--	--	--	**1,400**	**1,400**	**7,400**	**10,000**	--	--
HA-6	11/4/1994	**53,000**	--	--	--	--	**960**	**2,700**	**790**	**9,500**	--	--
HA-6	9/17/1997	**43,100**	**25,100**	<500	--	--	**934**	973	**922**	**7,670**	--	--
HA-6	5/1/1998	**43,000**	**24,000**	<5,000	--	--	**1,100**	**1,200**	**1,300**	**8,700**	--	--
HA-6	7/30/1999	**47,000**	**16,000**	<2,000	--	--	**950**	360	**1,500**	**8,300**	--	--
HA-6	5/22/2000	**37,000**	**10,000**	<4,000	--	--	**870**	430	**1,500**	**6,800**	--	--
HA-6	5/22/2001	**38,000**	**14,000**	<2,000	--	--	**820**	370	**1,600**	**8,000**	--	--
HA-6	6/5/2002	**36,000**	**5,800**	**990J**	--	--	**650**	210	**1,700**	**7,100**	--	--
HA-6	11/25/2002	**25,600**	1.43	<0.5	--	--	**637**	181	**1,320**	**5,620**	--	--
HA-6	5/28/2003	**32,000**	**4,100**	**5,400J**	--	--	**590**	210	**1,200**	**5,900**	--	--
HA-6	6/16/2004	**52,000**	**41,000**	<2,500	--	--	**590**	330	**1,300**	**8,500**	--	--
HA-6	6/20/2005	**18,000**	**11,000**	<960	--	--	**330**	150	690	**2,800**	--	--
HA-6	6/7/2006	**18,600**	**3,700j**	106J	--	--	**345**	189	**1,040**	**2,900**	--	--
HA-6	10/24/2006	**19,000**	**2,670j**	<71.4uj	--	--	**422**	172	**948**	**2,570**	--	--
HA-6	3/15/2007	**17,700**	**3,290**	<74.0	--	--	**409**	209	**1,170**	**4,300**	--	--
HA-6	9/11/2007	**19,800**	**2,600**	52.6	--	--	**471**	197	**1,360**	**2,200**	--	--
HA-6	6/3/2008	**24,900**	**2,120**	165	--	--	**365**	304	**1,550**	**4,330**	--	--
HA-6	8/26/2008	**22,800** [1]	**1,420** [1,3]	48.8 [1]	--	--	**349** [1]	237 [1]	**1,320** [1]	**2,470** [1]	<0.42 [1]	<74.4 [1]
HA-6	3/24/2010	**14,900**	**908**	<381	--	--	**330**	184	**1,450**	**2,790**	<1.0	<250
HA-6	8/27/2010	**9,630**	**789**	<392	--	--	**293**	98.0	**1,420**	413	<1.0	<250
HA-6	2/10/2011	**10,100**	**576**	<377	--	--	**118**	71.1	423	882	<1.0	--
HA-6	5/26/2011	**11,500**	**510**	<380	--	--	**149**	77.4	389	570	<1.0	--
HA-6	8/12/2011	**9,440**	**1,900**	<380	--	--	**89.8**	77	551	337	<1.0	--
HA-6	11/22/2011	**10,300**	330	<390	--	--	**119**	97.9	**731**	457	<1.0	--
HA-6	2/23/2012	**12,700**	**710**	<380	--	--	**153**	155	**1,160**	**1,490**	<1.0	--
HA-6	5/11/2012	**12,800**	**900**	<420	--	--	**130**	149	**1,100**	**1,530**	<10.0	--
HA-6	8/23/2012	**12,800** [10]	**830**	<420	--	--	**157**	132	**1,380**	933	<1.0	--
HA-6	11/8/2012	**11,500**	**3,100**	<100	--	--	**151**	115	**907**	**1,010**	<10	--
HA-6	1/30/2013	**15,900**	**910**	<430	--	--	**140**	148	**1,140**	**1,520**	<5.0	--
HA-6	5/3/2013	**19,100**	**910**	350	--	--	**181**	180	**1,680**	**1,930**	<10.0	--
HA-6	8/22/2013	**11,000**	**900**	<430	--	--	**133**	85.2	**907**	583	<1.0	--
HA-6	11/20/2013	**14,300**	**770**	<400	--	--	**194**	143	**1,540 J**	**1,490**	<5.0	--
HA-6	2/7/2014	**20,200**	**1,200**	<400	--	--	**161**	137	**1,870**	**1,160**	<10.0	--
HA-6	5/6/2014	**13,700**	**900**	<29	--	--	**106**	96.7	**1,190**	**1,150**	<1.7	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
HA-7	7/29/1999	**17,000**	**16,000**	<10,000	--	--	**1,200**	69	**890**	**1,200**	--	--
HA-7	5/22/2000	**7,000**	**9,200**	<4,000	--	--	**460**	31	510	580	--	--
HA-7	5/22/2001	**4,700**	**7,100**	<2,000	--	--	**290**	25	350	470	--	--
HA-7	6/5/2002	**8,800**	**4,100**	<470	--	--	**1,500**	73	**760**	**1,000**	--	--
HA-7	11/19/2002	**5,510**	NA	NA	--	--	**587**	31.3	259	324	--	--
HA-7	11/25/2002	**7,840**	2.67	<0.5	--	--	**811**	41.1	402	580	--	--
HA-7	1/14/2003	**13,700**	NA	NA	--	--	**421**	56.2	261	**2,350**	--	--
HA-7	5/28/2003	**11,000**	**9,000**	<960	--	--	**1,000**	100	**920**	**1,300**	--	--
HA-7	6/15/2004	**8,500**	**3,400**	<490	--	--	**730**	48	600	**1,200**	--	--
HA-7	6/20/2005	740	**1,500**	<200	--	--	**170**	5	84	18	--	--
HA-7	6/7/2006	<40	**14,700**	**1,610**	--	--	0.480J	<0.280	<0.340	<0.820	--	--
HA-7	10/24/2006	537	**1,040j**	408j	--	--	**46.9**	4.32	7.86	23.5	--	--
HA-7	3/15/2007	**3,880**	**3,270**	<181	--	--	**385**	30.0	658	166	--	--
HA-7	9/11/2007	**9,440**	**4,300**	<41.0	--	--	**777**	31.8	**1,540**	504	--	--
HA-7	6/3/2008	**13,700**	**4,270**	357	--	--	**653**	70.6	**1,620**	**1,430**	--	--
HA-7	8/26/2008	**6,940** [1]	**4,410** [1,3]	137 [1]	--	--	**635** [1]	31.7 [1]	**1,100** [1]	928 [1]	<0.42 [1]	<74.4 [1]
HA-7	3/24/2010	**4,990**	458	<392	--	--	**529**	28.4	**771**	**1,050**	<1.0	<250
HA-7	8/27/2010	**7,120**	455	<388	--	--	**267**	24.8	505	544	<1.0	<250
HA-7	2/11/2011	**5,430**	369	<377	--	--	**114**	17.7	500	401	<1.0	--
HA-7	5/25/2011	**6,540**	360	<380	--	--	**150**	22	369	349	<1.0	--
HA-7	8/15/2011	**6,820**	**660**	<380	--	--	**225**	22.9	567	377	<1.0	--
HA-7	11/22/2011	**3,100**	200	<400	--	--	**86.1**	7.8	160	198	<1.0	--
HA-7	2/27/2012	**5,310**	360	<380	--	--	**193**	25.6	**813**	509	<1.0	--
HA-7	5/11/2012	**5,130**	**790**	<380	--	--	**145**	19.9	520	419	<5.0	--
HA-7	8/27/2012	**4,430** [10]	**550**	<400	--	--	**178**	15.2	335	264	<1.0	--
HA-7	11/12/2012	**3,050**	**880**	350	--	--	**130**	8.0	192	237	<1.0	--
HA-7	2/1/2013	**4,220**	**1,400**	<430	--	--	**98.8**	14.3	339	259	<2.0	--
HA-7	5/3/2013	**8,320**	**670**	300	--	--	**142**	21.3	647	570	<5.0	--
HA-7	8/23/2013	**4,480 J**	**1,200**	<390	--	--	**181**	12 J	283	204	<2.0	--
HA-7	11/20/2013	**5,060**	<400	<400	--	--	**82**	8.9	429	357	<5.0	--
HA-7	2/7/2014	**5,330**	**760**	<400	--	--	**89.2**	9.6	322	226	<2.0	--
HA-7	5/7/2014	**4,450**	<28	<48	--	--	**141**	11.9	299	247	<0.17	--
HA-8	4/14/1993	**8,100**	--	--	--	--	**140**	150	200	**1,100**	--	--
HA-8	12/15/1993	**3,200**	--	--	--	--	**100**	68	11	390	--	--
HA-8	11/4/1994	610	--	--	--	--	**25**	2.9	15	54	--	--
HA-8	9/18/1997	**2,840**	**6,760**	**2,360**	--	--	**29.2**	11.9	19.8	239	--	--
HA-8	5/1/1998	**4,300**	**14,000**	**19,000**	--	--	**110**	130	190	600	--	--
HA-8	7/29/1999	**6,000**	**2,200**	<200	--	--	**37**	30	140	**1,000**	--	--
HA-8	5/22/2000	**1,100**	**810**	**700**	--	--	**13**	9.7	28	170	--	--
HA-8	5/22/2001	**650**	**800**	350J	--	--	**15**	3.8	26	95	--	--
HA-8	6/5/2002	**1,200**	**3,000**	**1,100**	--	--	**6.8**	4.4	31	160	--	--
HA-8	11/19/2002	135	--	--	--	--	2.07	4.11	1.76	7.42	--	--
HA-8	11/24/2002	579	<0.25	<0.5	--	--	**5.78**	16.9	12.6	57.8	--	--
HA-8	1/14/2003	633	--	--	--	--	4.02	16.5	16.3	207	--	--
HA-8	2/24/2003	**5,720**	0.767	<0.5	--	--	**14.6**	74.5	232	**1,570**	--	--
HA-8	3/25/2003	**1,950**	0.544	<0.5	--	--	**6.17**	22.0	73.0	445	--	--
HA-8	4/18/2003	**3,040**	<0.25	<0.5	--	--	**12.1**	35.9	160	708	--	--
HA-8 (DUP)	4/18/2003	**3,650**	0.257	<0.5	--	--	**11.9**	41.1	164	762	--	--
HA-8	5/28/2003	**67,000**	**1,800**	**530**	--	--	**11,000**	**16,000**	**1,100**	**5,400**	--	--
HA-8	6/15/2004						**LPH Encountered**					
HA-8	6/20/2005						**LPH Encountered**					
HA-8	6/6/2006						**LPH Encountered**					
HA-8	10/23/2006						**LPH Encountered**					
HA-8	3/14/2007						**LPH Encountered**					
HA-8	9/11/2007	**4,230**	**31,000**	**1,270J**	--	--	**2,360**	**7,210**	408	**2,310**	--	--
HA-8	6/3/2008	**43,800**	**2,250**	**719**	--	--	**3,730**	**14,800**	**956**	**4,650**	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
HA-8	8/26/2008	**34,600** [1]	**2,620** [1,4]	**778** [1,4]	--	--	**3,770** [1]	**10,700** [1]	**763** [1]	**3,750** [1]	<0.42 [1]	<74.4 [1]
HA-8	3/24/2010	115	<77.7	<388	--	--	<1.0	<1.0	<1.0	15.6	<1.0	<250
HA-8	8/27/2010	**54,600**	434	<388	--	--	**2,200**	**11,900**	**964**	**4,240**	<1.0	<250
HA-8	2/11/2011	68.2	78.2	<377	--	--	<1.0	<1.0	<1.0	17.4	<1.0	--
HA-8	8/15/2011	**3,680**	170	<380	--	--	**78.2**	287	132	576	<1.0	--
HA-8	2/27/2012	87.3	<76	<380	--	--	<1.0	<1.0	<1.0	10.5	<1.0	--
HA-8	8/27/2012	<50.0	<82	<410	--	--	**5.9**	<1.0	<1.0	<3.0	<1.0	--
HA-8	2/1/2013	238	<430	<430	--	--	<1.0	<1.0	<1.0	38.2	<1.0	--
HA-8	8/23/2013	375	400	<400	--	--	**15.6**	7.3 J	20.1	32.1	<1.0	--
HA-8	2/7/2014	**1,240**	<400	<400	--	--	2	<1.0	6.4	128	<1.0	--
HA-9	4/14/1993	**74,000**	--	--	--	--	**1,700**	**2,000**	**2,100**	**14,000**	--	--
HA-9	12/15/1993	**50,000**	--	--	--	--	**990**	**1,300**	130	**9,300**	--	--
HA-9	11/4/1994	**55,000**	--	--	--	--	**570**	91	**1,200**	**8,200**	--	--
HA-9	9/18/1997	**21,800**	**6,100**	<1,000	--	--	**142**	22.8	**372**	**2,460**	--	--
HA-9	4/29/1998	**32,000**	**44,000**	<25,000	--	--	**410**	**60**	**1,200**	**4,500**	--	--
HA-9	5/24/2000	**7,400**	**12,000**	**3,400**	--	--	**310**	21	320	380	--	--
HA-9	5/23/2001	**3,400**	**15,000**	<2,000	--	--	**290**	15	290	490	--	--
HA-9	6/4/2002	**12,000**	**5,300**	**1,000J**	--	--	**530**	13	**810**	910	--	--
HA-9	11/26/2002	**6,110**	--	--	--	--	**249**	3.55	349	187		
HA-9	5/28/2003	**9,500**	**3,800**	<1,100	--	--	**310**	6.3	610	190	--	--
HA-9	6/17/2004	**4,300**	--	--	--	--	**250**	2.1	280	6.8	--	--
HA-9	6/20/2005	**4,800**	**15,000**	**1,800J**	--	--	**220**	2.4	260	5.8	--	--
HA-9	6/6/2006	**3,750j**	**3,220**	337u	--	--	**177**	3.58	435	420	--	--
HA-9	10/24/2006	**7,050**	**3,080**	248	--	--	**248**	2.58	580	8.43	--	--
HA-9	3/15/2007	**6,360**	**3,100**	<82.2	--	--	**245**	5.66	468	8.72	--	--
HA-9	9/11/2007	**5,600**	**4,290**	**702**	--	--	**399**	10.1	345	50.0	--	--
HA-9	6/4/2008	**5,870**	**1,340**	165J	--	--	**130**	4.37	141	10.8	--	--
HA-9	8/27/2008	**5,730** [1]	**3,160** [1,4]	**705** [1,4]	--	--	**388** [1]	7.34 [1]	277 [1]	13 [1]	<0.42 [1]	<74.4 [1]
HA-9	3/25/2010	**Insufficient Groundwater to Sample**										
HA-9	8/25/2010	**4,180**	**--**	--	--	--	**388**	17.1	260	199	<1.0	<250
HA-9	2/8/2011	**4,330**	**753**	<379	--	--	**127**	6.3	115	9.8	<1.0	--
HA-9	5/17/2011	**5,240**	**--**	**--**	--	--	**177**	4.9	156	9.5	<1.0	--
HA-9	8/11/2011	**6,530**	**950**	<620	--	--	**195**	4.2	151	8.7	<1.0	--
HA-9	11/22/2011	**6,320**	**1,200**	<380	--	--	**206**	5	160	10.2	<1.0	--
HA-9	2/29/2012	**4,640**	**860**	<390	--	--	**147**	5.5	119	11.1	<1.0	--
HA-9	5/15/2012	**4,610**	**980**	<410	--	--	**218**	8.8	152	32.1	<1.0	--
HA-9	8/29/2012	**4,520**	**2,400**	**790**	--	--	**199**	3.5	160	8.6	<1.0	--
HA-9	11/14/2012	**3,920**	**900**	<110	--	--	**207**	3.3	74.8	7.7	<1.0	--
HA-9	2/4/2013	**2,890**	**940**	<440	--	--	**110**	3	60.6	7	<1.0	--
HA-9	5/8/2013	**4,500**	**560**	<200	--	--	**195**	3.3	103	6.6	<1.0	--
HA-9	11/21/2013	**4,060**	**710**	<400	--	--	**205**	5.2	118	6.7	<2.0	--
HA-9	2/6/2014	**3,020**	**870**	<400	--	--	**15.2**	<1.0	5.7	<3.0	<1.0	--
HA-9	5/2/2014	**3,020**	**1,300**	<28	--	--	**77.7**	2.7	47.3	<0.40	<0.17	--
HA-10	4/14/1993	**77,000**	--	--	--	--	**540**	**4,600**	**1,800**	**12,000**	--	--
HA-10	12/15/1993	**24,000**	--	--	--	--	**430**	410	**1,400**	**3,800**	--	--
HA-10	5/23/2001	**Well not sampled, bailer obstructed from reaching well bottom**										
HA-10	6/6/2002	**8,900**	--	--	--	--	**44**	66	530	**1,600**	--	--
HA-10	5/27/2003	**Well not sampled, bailer obstructed from reaching well bottom**										
HA-10	6/17/2004	**Well not sampled, bailer obstructed from reaching well bottom**										
HA-10	6/21/2005	**3,500**	--	--	--	--	**23**	7	170	320	--	--
HA-10	6/6/2006	**852**	**999**	97.5	--	--	**52.6**	5.50J	63.7	19.1J	--	--
HA-10	10/24/2006	**2,280**	--	--	--	--	**36.2**	<0.220	47.4	99.4	--	--
HA-10	3/15/2007	**4,590**	**1,610**	371	--	--	**49.8**	13.2	332	425	--	--
HA-10	9/12/2007	**Insufficient Groundwater to Sample**										
HA-10	6/4/2008	**4,710**	--	--	--	--	**16.1**	7.79	175	283	--	--
HA-10	8/27/2008	**2,160** [1]	**2,400** [1,3]	**510** [1,2]	--	--	**5.61** [1]	5.32 [1]	34.4 [1]	39.2 [1]	<0.42 [1]	<74.4 [1]

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
HA-10	3/24/2010					Insufficient Groundwater to Sample						
HA-10	8/25/2010	**2,170**	--	--	--	--	**7.1**	7.5	68.5	130	<1.0	<250
HA-10	2/8/2011					Insufficient Groundwater to Sample						
HA-10	5/17/2011	508 J	**1,300**	<2400	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
HA-10	8/11/2011	**2,210**	--	--	--	--	**10.1**	5.7	49.9	73.5	<1.0	--
HA-10	11/21/2011	**1,430 J**	140 J	<570 J	--	--	**5.5 J**	2.8 J	37.2 J	56.6 J	<1.0 J	--
HA-10	2/29/2012	489	**1,900**	**1,700**	--	--	<1.0	1.5	10.3	5.3	<1.0	--
HA-10	5/16/2012	**816**	--	--	--	--	1.5	3.7	15.0	10.3	<1.0	--
HA-10	8/29/2012	**1,020**	--	--	--	--	3.1	3.5	24.2	18.5	<1.0	--
HA-10	11/14/2012	286	<110	<110	--	--	<1.0	<1.0	12.5	3.5	<1.0	--
HA-10	1/31/2013	218	<450	<450	--	--	<1.0	<1.0	9.4	<3.0	<1.0	--
HA-10	5/2/2013	490	--	--	--	--	<1.0	3	18.3	9.3	<1.0	--
HA-10	8/20/2013	274	--	--	--	--	<1.0	1.9 J	6.1	4	<1.0	--
HA-10	11/27/2013	101	<950	<950	--	--	<1.0	<1.0	5.6	<3.0	<1.0	--
HA-10	5/2/2014	<50	<48	<28	--	--	<0.15	<0.11	3.1	<0.40	<0.17	--
HA-11	4/14/1993	**29,000**	--	--	--	--	**910**	42	**820**	**3,700**	--	--
HA-11	12/15/1993	**5,300**	--	--	--	--	**360**	160	98	780	--	--
HA-11	11/4/1994	**13,000**	--	--	--	--	**610**	190	300	**1,900**	--	--
HA-11	4/29/1998	**4,600**	**4,200**	**1,800**	--	--	**230**	28	100	520	--	--
HA-11	5/24/2000	**13,000**	**3,300**	**1,400**	--	--	**710**	200	450	**2,300**	--	--
HA-11	5/23/2001	**6,100**	--	--	--	--	**570**	83	280	910	--	--
HA-11	6/4/2002	**3,000**	--	--	--	--	**660**	18	100	450	--	--
HA-11	5/27/2003	**16,000**	--	--	--	--	**1,400**	74	560	**2,300**	--	--
HA-11	6/21/2005	**4,100**	--	--	--	--	**500**	6.6	150	460	--	--
HA-11	6/7/2006	**8,760**	**3,320j**	147J	--	--	**662**	17.0	443	**1,420**	--	--
HA-11	10/24/2006	**7,410**	**3,560**	**1,370**	--	--	**1,510**	12.2	385	710	--	--
HA-11	3/15/2007	**5,180**	**3,700**	**508**	--	--	**504**	8.96	294	842	--	--
HA-11	9/12/2007					Insufficient Groundwater to Sample						
HA-11	6/4/2008	**4,290**	--	--	--	--	**602**	4.46	159	415	--	--
HA-11	8/25/2008					Insufficient Groundwater to Sample						
HA-11	3/24/2010	**3,080**	--	--	--	--	**384**	5.1	215	595	<1.0	<250
HA-11	8/25/2010	**5,350**	--	--	--	--	**988**	18.6	430	**1,230**	<1.0	<250
HA-11	2/8/2011					Insufficient Groundwater to Sample						
HA-11	5/18/2011	**8,740 J**	<77	<380	--	--	**442 J**	8.5 J	344 J	682 J	<1.0 J	--
HA-11	8/11/2011	**4,840**	--	--	--	--	**736**	4.3	167	329	<1.0	--
HA-11	11/21/2011	**3,280 J**	<180 J	<890 J	--	--	**559 J**	3.1 J	109 J	150 J	<1.0 J	--
HA-11	2/29/2012	**4,060**	250	<480	--	--	**271**	3	228	459	<1.0	--
HA-11	5/15/2012	**3,890**	--	--	--	--	**318**[CO, E]	7	198	463	<1.0	--
HA-11	8/29/2012	**5,390** [10]	--	--	--	--	**543**	28.3	276	570	<1.0	--
HA-11	11/15/2012	**1,610**	--	--	--	--	**302**	<2.0	24.3	130	<2.0	--
HA-11	2/4/2013	**1,460**	<490	<490	--	--	**185**	1.6	112	220	<1.0	--
HA-11	5/2/2013	**1,780**	**1,500**	450	--	--	--	--	--	--	--	--
HA-11	11/21/2013	**1,390**	**620 J**	<400	--	--	**207**	1.9	136	322	<1.0	--
HA-11	2/13/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-11	4/30/2014	**1,660**	<48	<28	--	--	**202**	<0.55	111	219	<0.84	--
HA-12	4/14/1993	<50	--	--	--	--	1.3	<0.50	<0.50	<1.0	--	--
HA-12	12/15/1993	700	--	--	--	--	**6.0**	5.7	16	170	--	--
HA-12	11/4/1994	300	--	--	--	--	2.2	1.6	1.8	9.7	--	--
HA-12	9/18/1997	139	**6,350**	<500	--	--	1.05	<0.50	<0.50	1.9	--	--
HA-12	5/1/1998	<50	<80	**780**	--	--	0.3	0.5	0.3	1.5	--	--
HA-12	7/29/1999	<48	180J	200	--	--	3	0.8J	<0.2	1.3J	--	--
HA-12	5/22/2000	<48	250	**520**	--	--	1.2	0.24J	<0.2	<0.6	--	--
HA-12	5/22/2001	<48	410	<200	--	--	3.7	0.24J	<0.2	<0.6	--	--
HA-12	6/5/2002	<48	130J	<95	--	--	0.31J	<0.2	<0.2	<0.6	--	--
HA-12	11/25/2002	93.7	<0.25	<0.5	--	--	0.957	3.85	1.52	10.8	--	--
HA-12	5/28/2003	<48	280	**610**	--	--	0.4J	<0.2	<0.2	<0.6	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
HA-12	6/16/2004	<48	490	250J	--	--	4.5	0.3J	<0.2	0.8J	--	--
HA-12	6/21/2005	<48	180J	<100	--	--	0.3J	<0.2	0.5J	<0.6	--	--
HA-12	6/7/2006	<40	165	70.1J	--	--	<0.290	<0.280	<0.340	<0.820	--	--
HA-12	10/24/2006	58.2Ju	103	**564**	--	--	4.85	1.60	0.860J	0.870J	--	--
HA-12	3/15/2007	71.6J	90.3J	<37.0	--	--	<0.330	<0.420	0.530J	0.630J	--	--
HA-12	9/11/2007	72.6J	283	181	--	--	<0.330	<0.420	<0.420	<0.450	--	--
HA-12	6/4/2008	110	228	316	--	--	0.310J	<0.280	0.570J	1.05J	--	--
HA-12	8/27/2008	<43 [1]	**584** [1,5]	**722** [1,5]	--	--	<0.27 [1]	1.23 [1]	0.38 [1]	<0.86 [1]	<0.42 [1]	<74.4 [1]
HA-12	3/24/2010	<50.0	<76.9	<385	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	<250
HA-12	8/25/2010	**Insufficient Groundwater to Sample**										
HA-12	5/25/2011	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-12	11/21/2011	<50.0 J	<77 J	450 J	--	--	<1.0 J	<1.0 J	1.3 J	<3.0 J	<1.0 J	--
HA-12	5/11/2012	<100	<77	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-12	11/12/2012	<100	<100	<100	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-12	5/3/2013	<100	<200	310	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-12	11/20/2013	<100	**710**	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-12	5/7/2014	<50	<48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
HA-13	4/14/1993	<50	--	--	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-13	12/15/1993	<50	--	--	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-13	11/4/1994	<50	--	--	--	--	<0.50	1.4	<0.50	3.0	--	--
HA-13	9/18/1997	59	310	<500	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-13	4/30/1998	<250	<250	<500	--	--	<1.0	1.00	<1.0	<3.0	--	--
HA-13	7/28/1999	--	--	--	--	--	--	--	--	--	--	--
HA-13	5/22/2000	<48	130J	450J	--	--	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	5/22/2001	<48	86J	<200	--	--	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	6/4/2002	<48	<84	<110	--	--	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	11/25/2002	<50	<0.25	<0.5	--	--	0.569	1.80	0.667	5.74	--	--
HA-13	2/24/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	1.08	--	--
HA-13	3/25/2003	98.4	<0.25	<0.5	--	--	<0.5	0.580	<0.5	<1	--	--
HA-13	4/18/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	0.500	<1	--	--
HA-13	5/27/2003	**7,100**	84J	<96	--	--	**43**	290	120	840	--	--
HA-13	9/11/2003	498	NA	NA	--	--	3.38	28.9	7.87	60.6	--	--
HA-13	11/21/2003	<50	<0.25	<0.5	--	--	<0.5	0.877	<0.5	1.15	--	--
HA-13	3/15/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
HA-13	6/16/2004	<48	<77	<96	--	--	<0.2	<0.2	<0.2	<0.6	--	--
HA-13	6/22/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
HA-13	9/21/2004	<50	0.868	<0.5	--	--	0.598	<0.5	<0.5	<1	--	--
HA-13	12/21/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
HA-13	3/22/2005	<100	<0.237	<0.474	--	--	<1	<1	<1	<3	--	--
HA-13	6/21/2005	<48	230J	<200	--	--	<0.2	<0.2	0.5J	0.27J	--	--
HA-13	6/24/2005	<100	0.311	<0.473	--	--	<1	<1	<1	<3	<1	--
HA-13	7/28/2005	**5800**	**1100**	380	--	--	<0.3	9.8	22	380	<0.3	--
HA-13	9/20/2005	130	--	--	--	--	3.6	11.0	1.4	8.8	--	--
HA-13	11/29/2005	<48	79	<95	--	--	<0.5	<0.7	<0.8	<0.8	--	--
HA-13	2/28/2006	<48	<78	<97	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	5/16/2006	<48	<81	<100	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	--
HA-13	6/7/2006	<40	163	329	--	--	<0.290	<0.280	<0.340	<0.820	--	--
HA-13	8/17/2006	<48	<270	<330	--	--	<0.5	<0.7	<0.7	<0.8	<0.5	--
HA-13	10/24/2006	100	<37.8	<37.8	--	--	**7.34**	1.83	0.770J	0.750J	--	--
HA-13	11/21/2006	<48	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	2/20/2007	<48	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	3/15/2007	63.6J	59.7J	110	--	--	<0.330	<0.420	<0.420	0.500J	--	--
HA-13	5/15/2007	<50	<130	<170	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	9/11/2007	47.5J	--	--	--	--	0.580J	<0.420	<0.420	0.700J	--	--
HA-13	9/12/2007	<50	450	<200	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	11/27/2007	<50	<300	<370	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	2/26/2008	<50	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
HA-13	6/4/2008	52.3J	41.1J	58.9J	--	--	<0.270	<0.280	0.410J	<0.860	--	--
HA-13	8/27/2008	57.7 [1,6]	34.1 [1]	53.9 [1]	--	--	<0.27 [1]	0.92 [1]	0.24 [1]	<0.86 [1]	<0.42 [1]	<74.4 [1]
HA-13	3/24/2010	<50.0	<75.8	<379	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	<250
HA-13	8/27/2010	<50.0	--	--	--	--	<1.0	2.0	<1.0	3.0	<1.0	<250
HA-13	2/10/2011	<50.0	<75.5	<377	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/12/2011	<50.0	--	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/12/2011	<50.0	--	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	2/28/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/23/2012	<50.0	--	--	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	1/29/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	8/22/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-13	2/7/2014	<100	<400	<400	--	--	<1.0	1.1	<1.0	<3.0	<1.0	--
HA-14	4/14/1993	**5,300**	--	--	--	--	**400**	22	290	**1,000**	--	--
HA-14	12/15/1993	<50	--	--	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-14	11/4/1994	180	--	--	--	--	**5**	1.8	3.9	11	--	--
HA-14	9/18/1997	324	**972**	**752**	--	--	**6.45**	1.06	7.98	9.17	--	--
HA-14	4/30/1998	**1,800**	460	<500	--	--	**210**	15	190	100	--	--
HA-14	7/29/1999	**4,700**	**1,100**	<200	--	--	**450**	38	**710**	120	--	--
HA-14	5/22/2000	**3,700**	**1,100**	**520J**	--	--	**470**	26	**760**	63	--	--
HA-14	5/22/2001	**890**	430	230J	--	--	**120**	5.5	200	10	--	--
HA-14	6/4/2002	**2,200**	**1,400**	**1,000**	--	--	**380**	16.0	470	32	--	--
HA-14	11/25/2002	**939**	<0.25	<0.5	--	--	**141**	15.7	169	48.1	--	--
HA-14	4/18/2003	**1,190**	<0.25	<0.5	--	--	**133**	8.87	228	23.7	--	--
HA-14	5/27/2003	**860**	300	220J	--	--	**91**	2.7	140	11	--	--
HA-14	6/16/2004	220J	**780**	280J	--	--	**56**	2.6	52	5	--	--
HA-14	6/21/2005	**1,200**	**660**	390J	--	--	**260**	5.8	250	18	--	--
HA-14	6/7/2006	<40	**--**	--	--	--	<0.290	<0.280	0.560J	<0.820	--	--
HA-14	10/24/2006	288	**--**	--	--	--	**12.3**	2.06	9.60	1.42J	--	--
HA-14	3/15/2007	121	187	50.1J	--	--	4.09	<0.420	4.99	0.610J	--	--
HA-14	9/11/2007	628	--	--	--	--	**92.8**	1.30	157	3.45	--	--
HA-14	6/4/2008	529	**1,150**	**1,820**	--	--	**30.1**	0.780J	67.5	1.71J	--	--
HA-14	8/27/2008	350 [1]	**513** [1,5]	**863** [1,5]	--	--	**31.5** [1]	2.25 [1]	72.1 [1]	2.63 [1]	<0.42 [1]	<74.4 [1]
HA-14	3/24/2010	**1,150**	**1,030**	**2,560**	--	--	**92**	1.4	369	6.6	<1.0	<250
HA-14	8/27/2010	**1,120**	--	--	--	--	**155**	6.0	321	3.5	<1.0	<250
HA-14	2/10/2011	231	161	<377	--	--	**12.8**	<1.0	67.3	4	<1.0	--
HA-14	5/25/2011	**2,250**	110	<380	--	--	**106**	5.6	316	12	<1.0	--
HA-14	8/12/2011	**1,890**	--	--	--	--	**159**	10.1	281	12.4	<1.0	--
HA-14	2/28/2012	<50.0 J	<77	<380	--	--	<1.0 J	<1.0 J	<1.0	<3.0	<1.0	--
HA-14	8/23/2012	198	--	--	--	--	**42.4**	2.4	13.2	5.5	<1.0	--
HA-15	1/14/2003	344	NA	NA	--	--	3.34	0.672	<0.5	2.51	--	--
HA-15	2/24/2003	**1,250**	0	<0.5	--	--	**12.9**	5.57	9.8	69.6	--	--
HA-15	3/25/2003	**910**	0	<0.5	--	--	**7.47**	1.55	1.12	3.99	--	--
HA-15	4/18/2003	658	<0.25	<0.5	--	--	**7.21**	1.88	0.716	6.47	--	--
HA-15	3/15/2004	336	1	<0.5	--	--	**5.85**	0.765	<0.5	1.34	--	--
HA-15	12/21/2004	**1,350**	<0.25	<0.5	--	--	**12.2**	0.824	3.01	2.74	--	--
HA-15 (DUP)	12/21/2004	**1,570**	<0.25	<0.5	--	--	**13.4**	0.952	4.02	3.11	--	--
HA-15	3/22/2005	<100	<0.237	<0.474	--	--	<1	<1	<1	<3	--	--
HA-15	6/24/2005	<100	<0.525(d)	<0.956	--	--	<1	<1	<1	<3	<1	--
HA-15	2/28/2006	58	<280	<96	--	--	**13**	<0.7	<0.8	<0.8	<0.5	--
HA-15	5/16/2006	58	360	<97	--	--	**16**	2.5	1.5	1.6	**50**	--
HA-15	8/17/2006	**Insufficient Groundwater to Sample**										
HA-15	11/21/2006	360	**1,400**	**670**	--	--	**320**	20	27	9	<0.5	--
HA-15	2/20/2007	**Insufficient Groundwater to Sample**										
HA-15	5/15/2007	**Insufficient Groundwater to Sample**										
HA-15	9/12/2007	**Insufficient Groundwater to Sample**										
HA-15	11/26/2007	**Insufficient Groundwater to Sample**										

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
HA-15	2/26/2008	340	**1,700**	**590**	--	--	**18**	0.9	3	2	<0.5	--
HA-15	2/18/2009	120	<150	<770	--	--	**19**	1.5	4.7	14	<1	<400
HA-15	8/25/2009						**Insufficient Groundwater to Sample**					
HA-15	3/24/2010	**811**	248	<392	--	--	**127**	7	34.2	68.3	<1	<250
HA-15	8/23/2010						**Insufficient Groundwater to Sample**					
HA-16	12/21/2004	**17,900**	4	2	--	--	**112**	533	272	**1,660**	--	--
HA-16	3/22/2005	**17,500**	2.89(d)	<0.488	--	--	**100**	518	253	**1,521**	--	--
HA-16	6/24/2005	**20,400**	**2,200(a)**	<0.479	--	--	**436**	760	374	**2,359**	<10	--
HA-16	7/28/2005	**6,900**	**3,400**	<940	--	--	**180**	94	80	440	<1	--
HA-16	9/20/2005	**14,000**	--	--	--	--	**620**	**1,000**	270	**1,500**	--	--
HA-16	11/30/2005	150	240	<94	--	--	**7**	8	2	13	--	--
HA-16 (DUP)	11/30/2005	**2,100**	450	<94	--	--	**19**	24	19	96	--	--
HA-16	3/1/2006	95	120	<95	--	--	**170**	1	3	11	<0.5	--
HA-16 (DUP)	3/1/2006	430	500	<95	--	--	**420**	2	13	19	<0.5	--
HA-16	5/16/2006	<48	94	95	--	--	**120**	0.6	0.4	1.7	<5	--
HA-16 (DUP)	5/16/2006	360	120	<95	--	--	**150**	1.9	2.8	12	<5	--
HA-16	8/17/2006						**Insufficient Groundwater to Sample**					
HA-16	11/21/2006	**25,000**	650	110	--	--	**2,500**	**4,200**	450	**1,400**	<3	--
HA-16	2/20/2007	**18,000**	**970**	130	--	--	**3,300**	**2,000**	560	**1,600**	<3	--
HA-16	5/15/2007	**970**	190	<96	--	--	**260**	53	47	120	<0.5	--
HA-16	9/12/2007	**2,600**	**900**	250	--	--	**510**	480	120	440	<0.5	--
HA-16	11/27/2007	**2,100**	**1,200**	<190	--	--	**250**	98	87	220	<0.5	--
HA-16	2/26/2008	240	<75	<94	--	--	**44**	3	6	20	<0.5	--
HA-16	8/26/2008	**36,000**	**2,600**	<95	--	--	**2,600**	**7,400**	550	**2,800**	<3	<250
HA-16	2/19/2009	**8,540**	**--**	--	--	--	**830**	**1,200**	250	**1,100**	<1	<400
HA-16	8/25/2009						**Insufficient Groundwater to Sample**					
HA-16	3/24/2010	**5,180**	119	<385	--	--	**367**	55.6	229	922	1	<250
HA-16	8/26/2010	**14,000**	347	<1,330	--	--	**1,720**	**1,730**	686	**2,400**	<1.0	<250
HA-16	2/11/2011	**5,930**	161	<377	--	--	**177**	266	129	804	<1.0	--
HA-16	5/25/2011	**4,690**	160	<460	--	--	**403**	89.7	166	647	<1.0	--
HA-16	8/15/2011	**5,070**	--	--	--	--	**553**	163	189	575	<1.0	--
HA-16	2/27/2012	513	<76	<380	--	--	**35.6**	47.7	25.4	76.5	<1.0	--
HA-16	8/24/2012	**3,730**	--	--	--	--	**763**	51.9	135	575	<1.0	--
HA-16	1/31/2013	**5,000**	**510**	<440	--	--	**539**	675	145	875	<5.0	--
HA-16	8/22/2013	**11,600**	<450	<450	--	--	**3,700**	697	311	**7,550**	<1.0	--
HA-16	2/11/2014	**9,950**	<400	<400	--	--	**872**	705	356	**1,760**	<1.0	--
HA-17	1/14/2003	548	NA	NA	--	--	**10.2**	<1.25	1.55	2.61	--	--
HA-17	5/29/2003	**2,090**	<0.25	<0.5	--	--	**50**	129	80.1	322	--	--
HA-17	11/20/2003	585	1	<0.5	--	--	**8.92**	<0.5	<0.5	<1	--	--
HA-17	3/15/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
HA-17	12/21/2004	335	<0.25	<0.5	--	--	**6.35**	<0.5	<0.5	<1	--	--
HA-17	3/22/2005	<100	<0.237	<0.473	--	--	**11.6**	<1	9.96	<3	--	--
HA-17	6/24/2005	<100	1	<0.475	--	--	1.57	<1	<1	<3	<1	--
HA-17	7/28/2005	<48	--	--	--	--	2.3	<0.2	0.3	<0.6	<0.3	--
HA-17	11/30/2005	55	450	<94	--	--	1	<1	<2	<2	--	--
HA-17	3/1/2006	<48	340	<96	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-17	5/16/2006	<48	280	<95	--	--	0.4	<0.2	<0.2	<0.6	<5	--
HA-17	8/17/2006						**Insufficient Groundwater to Sample**					
HA-17	11/21/2006	<48	220	120	--	--	1	<0.7	<0.8	<0.8	<0.5	--
HA-17	2/20/2007	<48	**1,700**	<470	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-17	5/15/2007	<50	--	--	--	--	1	1	<0.8	<0.8	<0.5	--
HA-17	9/12/2007						**Insufficient Groundwater to Sample**					
HA-17	11/27/2007	<50	**770(p)**	<140	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-17	2/26/2008	<50	**570**	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-17	2/18/2009	<50	88	<410	--	--	<1	<1	<1	<1	<1	<400
HA-17	8/25/2009						**Insufficient Groundwater to Sample**					

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
HA-17	3/23/2010	55	<77.7	<388	--	--	<1	<1	<1	<3	<1	<250
HA-17	8/23/2010	Insufficient Groundwater to Sample										
HA-18	1/14/2003	**11,400**	NA	NA	--	--	**40.3**	75.9	**810**	**2,220**	--	--
HA-18	5/29/2003	**31,000**	8	<0.5	--	--	**95**	157	**2,440**	**7,840**	--	--
HA-18	11/20/2003	**28,000**	7	<0.5	--	--	**284**	178	**1,950**	**6,400**	--	--
HA-18	12/21/2004	**4,600**	1	<0.5	--	--	**21.9**	26.8	188	440	--	--
HA-18	3/22/2005	**7,690**	1.33(d)	<0.473	--	--	**27.1**	10.2	333	578.2	--	--
HA-18	6/24/2005	**9,810**	6.83 (d)	0.594 (d)	--	--	**32.3**	12.4	439	907.3	<5	--
HA-18	7/28/2005	**8,200**	--	--	--	--	**39**	29	230	620	<1	--
HA-18	3/1/2006	780	340	<95	--	--	**72**	0.8	69	6	<0.5	--
HA-18	5/16/2006	**2,100**	**520**	<94	--	--	**40**	3.8	93	140	**<25**	--
HA-18	8/17/2006	**3,800**	**2,700**	160	--	--	**51**	9	170	250	<0.5	--
HA-18	11/21/2006	**3,400**	**2,700**	**650**	--	--	**52**	23	130	240	<0.5	--
HA-18	2/20/2007	**5,000**	**740**	180	--	--	**49**	18	230	460	<0.5	--
HA-18	5/15/2007	Insufficient Groundwater to Sample										
HA-18	9/12/2007	Insufficient Groundwater to Sample										
HA-18	11/27/2007	480	**4,700(q)**	<370	--	--	**14**	4	3	7	<0.5	--
HA-18	2/26/2008	720	**4,100**	**740**	--	--	**17**	4	34	21	<0.5	--
HA-18	2/19/2009	615	240	<400	--	--	**37**	29	36	87	<1	<400
HA-18	8/25/2009	Insufficient Groundwater to Sample										
HA-18	3/23/2010	**1,390**	135	<385	--	--	**98.9**	18.4	91.0	132	<1.0	<250
HA-18	8/23/2010	Insufficient Groundwater to Sample										
HA-19	8/25/2008	<50	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<50
HA-19	8/25/2009	Insufficient Groundwater to Sample										
HA-19	3/23/2010	Insufficient Groundwater to Sample										
HA-19	8/23/2010	Insufficient Groundwater to Sample										
HA-19	5/25/2011	**216**	<83	<420	--	--	**33.8**	13.5	2	9.1	<1.0	--
HA-19	11/21/2011	<50.0 J	<76 J	<380 J	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
HA-19	5/11/2012	<100	<100	<500	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-19	11/8/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-19	5/3/2013	<100	<200	300	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-19	11/20/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-19	5/8/2014	<50	<30	<52	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
HA-20	7/28/2005	**230,000**	**6,900**	<940	--	--	**28,000**	**47,000**	**2,900**	**16,000**	**<150**	--
HA-20	11/30/2006	**110,000**	**4,900**	<190	--	--	**19,000**	**28,000**	**1,500**	**8,500**	--	--
HA-20	8/25/2008	**18,000**	**4,300**	<940	--	--	**5,800**	**5,800**	**1,200**	**5,500**	<1	<100
HA-20	2/19/2009	292	93	<410	--	--	**67**	33	13	42	<1	<400
HA-20	8/25/2009	**18,100**	**1,300**	<390	--	--	**10,900 (8)**	**2,020 (8)**	**941**	**3,220 (8)**	<1	<250
HA-20 (DUP)	8/25/2009	**22,200**	**1,900**	180J	--	--	**12,200**	**2,750**	**1,100**	**3,790**	<1	<250
HA-20	3/24/2010	**7,070**	**2,450**	<381	--	--	**4,100**	**2,170**	109	435	<1	<250
HA-20	8/26/2010	**69,700**	**712**	<388	--	--	**14,600**	**23,100**	**932**	**4,810**	<1.0	<250
HA-20 (DUP)	8/26/2010	**56,800**	**767**	<426	--	--	**13,800**	**14,600**	**1,400**	**6,010**	<1.0	<250
HA-20	2/11/2011	<50.0	<76.9	<385	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-20	5/25/2011	**24,000**	240	<380	--	--	**4,540**	**4,860**	302	939	<1.0	--
HA-20	8/15/2011	**8,660**	200 J	<380 J	--	--	**5,270**	**2,190**	534	**1,850**	<1.0	--
HA-20	11/18/2011	**29,600**	200	<380	--	--	**3,720**	**4,560**	592	**2,690**	<1.0	--
HA-20	2/27/2012	<50.0	<76	<380	--	--	2.2	1.9	1.2	4.7	<1.0	--
HA-20	5/16/2012	660	<76	<380	--	--	**280**	37.7	35.1	85.5	<1.0	--
HA-20	8/24/2012	**9,220** [10]	170	<400	--	--	**4,100**	**964**	378	**1,470**	<1.0	--
HA-20	11/9/2012	**4,440**	**920**	<110	--	--	**1,360**	224	179	638	<1.0	--
HA-20	2/4/2013	320	<430	<430	--	--	**130**	1.5	1.8	70.1	<1.0	--
HA-20	5/3/2013	**2,740**	<200	250	--	--	**53.6**	11.8	<2.0	540	<2.0	--
HA-20	8/22/2013	**2,760**	**850**	<420	--	--	**3,850**	134	129	666	<5.0	--
HA-20	11/20/2013	**921**	<400	<400	--	--	**508 J**	46	42	111	<2.0	--
HA-20	2/11/2014	**13,800**	**600**	440	--	--	**3,910**	**1,550**	470	**2,190**	<10.0	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
HA-20	5/6/2014	<50	<48	<28	--	--	5.9	<0.11	<0.16	<0.40	<0.17	--
LAI-1	1/15/2003	**4,120**	--	--	--	--	**728**	935	23	120	--	--
LAI-1	2/26/2003	**15,100**	1	<0.5	--	--	**2,150**	**3,680**	116	979	--	--
LAI-1	3/24/2003	**47,500**	1	<0.5	--	--	**7,970**	**15,000**	739	**4,250**	--	--
LAI-1	3/1/2006	**190,000**	**860**	<190	--	--	**4,500**	**41,000**	**2,800**	**16,000**	<13	--
LAI-1	5/17/2006	**270,000**	**1,400**	<470	--	--	**10,000**	**56,000**	**3,300**	**21,000**	**<200**	--
LAI-1	8/16/2006	**130,000**	**2,800**	240	--	--	**11,000**	**23,000**	**3,000**	**14,000**	**<50**	--
LAI-1	11/20/2006	**11,000**	**880**	<95	--	--	**1,900**	25	400	**1,300**	<1	--
LAI-1	2/19/2007	**260,000**	**2,900**	<470	--	--	**13,000**	**58,000**	**3,200**	**19,000**	**<25**	--
LAI-1	5/14/2007	**290,000**	**3,200**	<480	--	--	**9,000**	**60,000**	**2,200**	**16,000**	**<**	--
LAI-1	9/11/2007	**21,000**	**510**	<94	--	--	**1,300**	680	440	**2,500**	<1	--
LAI-1	11/26/2007	**2,300**	310	<99	--	--	**1,100**	10	130	410	<0.5	--
LAI-1	2/26/2008	**23,000**	**2,400**	<95	--	--	**160**	190	**1,100**	**4,300**	<1	--
LAI-1	8/26/2008	**4,400**	450	<95	--	--	**12**	4	300	560	<0.5	<50
LAI-1 (DUP)	8/26/2008	**4,300**	**520**	<95	--	--	**12**	5	200	360	<0.5	<50
LAI-1	2/19/2009	**93,900**	**600**	<410	--	--	**470**	**19,000**	**1,500**	**9,800**	<1	<400
LAI-1	8/25/2009	**73,300**	**2,000**	140 J	--	--	**358**	**1,330**	277	**1,700**	<1.0 (9)	<250
LAI-1	3/23/2010	**114,000**	**800**	<381	--	--	**2,610**	**19,300**	**4,190**	**23,200**	<1.0	<250
LAI-1	8/24/2010	**57,700**	**812**	<388	--	--	**2,040**	**3,150**	187	**17,700**	<1.0	<250
LAI-1	2/9/2011	**59,300**	**692**	<388	--	--	**689**	**6,530**	**1,960**	**9,420**	<1.0	--
LAI-1	5/16/2011	**40,200 J**	**650**	<380	--	--	**615 J**	**887 J**	**1,620 J**	**6,420 J**	<1.0 J	--
LAI-1 (DUP)	5/16/2011	**41,400 J**	**650**	<380	--	--	**580 J**	**919 J**	**1,770 J**	**6,920 J**	<1.0 J	--
LAI-1	8/9/2011	**30,700 J**	**530**	<400	--	--	**1,370 J**	303 J	**1,620 J**	**6,680 J**	<1.0	--
LAI-1	2/27/2012	**53,000**	460	<380	--	--	**987**	**6,680**	**2,140**	**9,280**	<1.0	--
LAI-1	9/4/2012	**19,100** [10]	**600**	<400	--	--	**551**	130	**735**	**3,520**	<1.0	--
LAI-1	2/5/2013	**24,000**	**1,300**	<430	--	--	**79.6**	**2,320**	**933**	**5,600**	<10.0	--
LAI-1	8/14/2013	**54,600**	**2,800**	<420	--	--	**324**	691	**1,160**	**10,100**	<5.0	--
LAI-1 (DUP)	8/14/2013	**49,900**	**3,200**	<420	--	--	**404**	601	**1,080**	**9,750**	<5.0	--
LAI-1	2/12/2014	**88,200**	**860**	<400	--	--	**995**	**4,430**	**2,770**	**3,580**	<1.0	--
LAI-2	1/15/2003	73	--	--	--	--	2.78	2.2	1.1	9.33	--	--
LAI-2 (DUP)	1/15/2003	103	--	--	--	--	3.39	3.36	1.68	15.1	--	--
LAI-2	5/29/2003	**18,100**	<0.25	<0.5	--	--	**2,940**	**6,100**	235	**1,680**	--	--
LAI-2 (DUP)	5/29/2003	**18,800**	0	<0.5	--	--	**2,840**	**6,320**	235	**1,680**	--	--
LAI-2	8/11/2003	**8,950**	1	<0.562	--	--	**1,880**	**2,150**	135	907	--	--
LAI-2 (DUP)	8/11/2003	**6,620**	1	<0.5	--	--	**1,750**	**1,340**	104	678	--	--
LAI-2	11/20/2003	**1,330**	0	<0.5	--	--	**580**	1.98	35.3	235	--	--
LAI-2	3/16/2004	**120,000**	2	<0.5	--	--	**23,600**	**27,700**	**2,370**	**11,300**	--	--
LAI-2	6/22/2004	**17,600**	0	<0.5	--	--	**4,390**	53.3	**889**	**1,190**	--	--
LAI-2 (DUP)	6/22/2004	**20,400**	<0.25	<0.5	--	--	**4,960**	51.4	**1,020**	**1,340**	--	--
LAI-2	9/22/2004	**6,150**	1	<0.5	--	--	**1,070**	4.87	672	234	--	--
LAI-2 (DUP)	9/22/2004	**6,020**	1	<0.5	--	--	**1,070**	4.37	673	187	--	--
LAI-2	12/21/2004	**9,920**	<0.25	<0.5	--	--	**2,080**	<25	**875**	552	--	--
LAI-2	3/21/2005	**22,900**	1	<0.498	--	--	**7,720**	**2,970**	**1,380**	**2,208**	--	--
LAI-2	6/23/2005	**123,000**	**4,150**	<0.473	--	--	**21,700**	**40,300**	**2,260**	**10,180**	**<200**	--
LAI-2	7/29/2005	**170,000**	**1,400**	<190	--	--	**18,000**	**28,000**	**3,100**	**15,000**	**30**	--
LAIx-2	9/21/2005	**32,000**	**1,400**	<94	--	--	**5,500**	**3,300**	**1,100**	**5,600**	--	--
LAIx-2	12/1/2005	**8,700**	**730**	<94	--	--	**1,700**	230	330	**1,300**	--	--
LAIx-2 (DUP)	12/1/2005	**8,700**	**830**	<95	--	--	**1,900**	100	370	**1,400**	--	--
LAIx-2	3/1/2006	**120,000**	**1,200**	<190	--	--	**13,000**	**24,000**	**1,500**	**8,500**	<10	--
LAIx-2 (DUP)	3/1/2006	**97,000**	**1,400**	<190	--	--	**12,000**	**15,000**	**1,600**	**8,100**	<10	--
LAIx-2	5/17/2006	**160,000**	**2,200**	<470	--	--	**21,000**	**32,000**	**2,800**	**14,000**	**<200**	--
LAIx-2 (DUP)	5/17/2006	**160,000**	**2,400**	<470	--	--	**21,000**	**31,000**	**2,900**	**14,000**	**<200**	--
LAIx-2	8/16/2006	**87,000**	**4,200**	<1900	--	--	**14,000**	**19,000**	**1,600**	**11,000**	<5	--
LAIx-2	11/20/2006	**20,000**	**810**	<94	--	--	**2,200**	**1,500**	590	**2,300**	<1	--

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Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

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

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

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

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
LAI-10 (DUP)	5/17/2006	<48	<75	<120	--	--	0.6	4.5	<0.2	<1	<0.3	--
LAI-10	8/16/2006	<48	<76	<96	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	11/20/2006	<48	<77	<96	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	2/19/2007	<48	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	5/14/2007	<50	<78	<97	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	9/11/2007	<50	98	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	11/26/2007	<250	<76	<95	--	--	**<5**	<7	<8	<8	<5	--
LAI-10	2/26/2008	140	<75	<94	--	--	**12**	1	4	12	<0.5	--
LAI-10	8/26/2008	<50	<76	<96	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-10	2/18/2009	<50	<82	<410	--	--	<1	<1	<1	<1	<1	<400
LAI-10	8/25/2009	<50	<77	<380	--	--	<1	<1	<1	<3	<1	<250
LAI-10	3/23/2010	<50	<76.2	<381	--	--	<1	<1	<1	<3	<1	<250
LAI-10	8/24/2010	<50.0	<76.9	<385	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-10	2/9/2011	<50.0	<76.2	<381	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	5/17/2011	<50.0 J	<75	<380	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
LAI-10	8/9/2011	<50.0	<80	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	11/15/2011	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	2/27/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	5/8/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	9/4/2012	96.4	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	11/13/2012	<100	<100	<100	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	2/5/2013	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	5/1/2013	<100	<200	<450	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	8/14/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	11/22/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	2/12/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-10	4/30/2014	<50	<48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
LAI-11	2/26/2003	<50	0.40	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-11	3/24/2003	<50	0.43	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-11	4/17/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-11	5/28/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-11	11/20/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-11	3/16/2004	<50	<0.25	<0.5	--	--	<0.5	0.634	<0.5	<1	--	--
LAI-11	6/22/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-11	9/22/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-11	12/21/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-11	3/21/2005	<100	<0.236	<0.473	--	--	<1	1	<1	<3	--	--
LAI-11	6/23/2005	<100	<0.237	<0.474	--	--	**222**	1.11	2.82	19.2	<1	--
LAI-11	7/29/2005	<48	<76	<95	--	--	**55**	0.5	4.2	3.2	<0.3	--
LAI-11	9/20/2005	<48	95	<94	--	--	**32**	2	0.5	2.8	--	--
LAI-11	12/1/2005	<48	110	<94	--	--	**15**	<0.7	0.9	3	--	--
LAI-11	2/27/2006	<48	81	<96	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	5/17/2006	<48	<75	<94	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-11	8/16/2006	<48	<77	<96	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	11/20/2006	<48	**760**	190	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	2/19/2007	<48	110	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	5/14/2007	<50	160	<96	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	9/11/2007	<50	190	<95	--	--	**55**	<0.7	<0.8	<0.5	<0.5	--
LAI-11	11/26/2007	<50	170	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-11	2/26/2008	<50	<75	<94	--	--	**14**	<0.7	<0.8	<0.8	<0.5	--
LAI-11	8/26/2008	<50	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-11	2/18/2009	<50	<82	<410	--	--	<1	<1	<1	<1	<1	<400
LAI-11	8/25/2009	<50	38J	<380	--	--	<1	<1	<1	<3	<1	<250
LAI-11	3/23/2010	<50	<76.2	<381	--	--	<1	<1	<1	<3	<1	<250
LAI-11	8/24/2010	<50.0	<76.9	<385	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-11	2/9/2011	117	<76.2	<381	--	--	<1.0	13.1	<1.0	<3.0	<1.0	--
LAI-11	8/9/2011	<50.0	<90	<450	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
LAI-11	2/27/2012	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	9/4/2012	90.3	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/5/2013	<100	<440	<440	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	8/14/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/12/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/28/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	1.81	--	--
LAI-12	8/11/2003	<50	0	<0.5	--	--	<0.5	<0.5	<0.5	2.21	--	--
LAI-12	11/20/2003	61	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-12	3/16/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-12	6/22/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-12	9/22/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-12	12/21/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-12	3/21/2005	<100	<0.242	<0.485	--	--	<1	<1	<1	<3	--	--
LAI-12	6/23/2005	<100	0.606 (b)	<0.476	--	--	<1	<1	<1	<3	<1	--
LAI-12	7/29/2005	<48	430	<95	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-12	9/20/2005	<48	**1,300**	<320	--	--	1.6	3.9	<0.5	2.7	--	--
LAI-12	12/1/2005	<48	300	100	--	--	<0.5	<0.7	<0.8	<0.8	--	--
LAI-12	2/27/2006	<48	78	<97	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	5/17/2006	<48	410	<94	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-12	8/17/2006	<48	**1,200**	130	--	--	<0.5	1	<0.8	<0.8	<0.5	--
LAI-12	11/20/2006	<48	**600**	120	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	2/19/2007	<48	**530**	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	5/14/2007	<50	**810**	<96	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	9/11/2007	99	**1,100**	140	--	--	**16**	9	<2	9	<0.5	--
LAI-12	11/26/2007	<50	**620**	<95	--	--	0.7	<0.7	<0.8	3	<0.5	--
LAI-12	2/26/2008	<50	84	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-12	8/26/2008	<50	260	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-12	2/18/2009	<50	<82	<410	--	--	<1	<1	<1	<1	<1	<400
LAI-12	8/25/2009	<50	53J	<380	--	--	<1	<1	<1	<3	<1	<250
LAI-12	3/23/2010	<50	<76.2	<381	--	--	<1	<1	<1	<3	<1	<250
LAI-12	8/24/2010	<50.0	<77.7	<388	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-12	2/9/2011	<50.0	<76.9	<385	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/17/2011	<50.0 J	<75	<380	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
LAI-12	8/9/2011	<50.0	<78	<390	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	11/16/2011	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	2/27/2012	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/8/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	9/4/2012	<50.0	<81	<400	--	--	<1.0	1.7	1.4	8.9	<1.0	--
LAI-12	11/13/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	2/5/2013	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/1/2013	<100	<200	<390	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	8/14/2013	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	11/22/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	2/12/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	4/30/2014	<50	<50	<29	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
LAI-13	5/28/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-13	8/11/2003	<50	<0.25	<0.5	--	--	<0.5	0.647	<0.5	<1	--	--
LAI-13	11/20/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-13	3/15/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-13	6/22/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-13	9/21/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-13	12/21/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-13	3/21/2005	<100	<0.237	<0.473	--	--	<1	<1	<1	<3	--	--
LAI-13	6/23/2005	<100	<0.236	<0.472	--	--	<1	<1	<1	<3	<1	--
LAI-13	7/29/2005	<48	<77	<120	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-13	9/20/2005	<48	<75	<93	--	--	<0.5	<0.5	<0.5	<1.5	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
LAI-13	12/1/2005	<48	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	--	--
LAI-13	2/27/2006	<48	<78	<97	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	5/16/2006	<48	<76	<95	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-13	8/16/2006	<84	<75	<94	--	--	<0.5	3	<0.8	<6	<0.5	--
LAI-13	11/21/2006	<48	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	2/20/2007	<48	--	--	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	5/15/2007	<50	<78	<97	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	9/11/2007	<50	240	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	11/26/2007	<50	180	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	2/26/2008	<50	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-13	8/25/2008	<50	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-13	2/18/2009	<50	<82	<410	--	--	<1	<1	<1	<1	<1	<400
LAI-13	8/25/2009	<50	59J	<510	--	--	<1	<1	<1	<3	<1	<250
LAI-13	3/22/2010	<50	<76.2	<381	--	--	<1	<1	<1	<3	<1	<250
LAI-13	8/24/2010	<50.0	<78.4	<392	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-13	2/10/2011	<50.0	<75.8	<379	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	8/11/2011	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	2/21/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	8/28/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	1/30/2013	<100	<470	<470	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	8/15/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	2/5/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-13	9/24/2019	<100	<392	<392	--	--	<1.0	<1.0	<1.0	<3.0	--	--
LAI-13	2/25/2020	<100	<588	<588	--	--	<1.0	<1.0	<1.0	<3.0	--	--
LAI-13	3/18/2021	<100	<392	<392	--	--	<1.00	<1.00	<1.00	<3.00	--	--
LAI-13	9/16/2021	<100	250	<97	--	--	<0.50	<1.0	<1.0	<2.0	--	--
LAI-13	3/3/2022	<100	<100	<100	--	--	<0.50	<1.0	<1.0	<2.0	--	--
LAI-13	9/1/2022	<100	<95	<95	--	--	<0.50	<1.0	<1.0	<2.0	--	--
LAI-13	8/15/2023	<100	--	--	<94	<94	<0.50 J	<1.0 J	<1.0 J	<2.0 J	--	--
LAI-13	1/30/2024	<100	--	--	<96	<96	<0.50	<1.0	<1.0	<2.0	--	--
LAI-13	8/2/2024	<150	162 J	<340	--	--	<1.00	<1.00	<1.00	<2.00	--	--
LAI-14	2/25/2003	50	0.27	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-14	3/25/2003	66	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-14	4/18/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-14	5/28/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-14	8/11/2003	<50	0.28	<0.5	--	--	<0.5	0.631	<0.5	<1	--	--
LAI-14	11/20/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-14	3/15/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-14	6/22/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-14	9/21/2004	<50	0	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-14	12/21/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-14	3/21/2005	<100	<0.237	<0.473	--	--	<1	1.45	<1	<3	--	--
LAI-14	6/23/2005	<100	0.26	<0.475	--	--	<1	<1	<1	<3	<1	--
LAI-14	7/29/2005	57	140	190	--	--	0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-14	9/21/2005	<48	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
LAI-14	12/1/2005	<48	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	--	--
LAI-14	2/27/2006	55	<77	<96	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	5/16/2006	<48	<77	<97	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-14	8/16/2006	72	<77	<97	--	--	<0.5	1	<0.8	2	<0.5	--
LAI-14	11/21/2006	<48	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	2/20/2007	<48	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	5/15/2007	<50	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	9/11/2007	<50	<76	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	11/26/2007	<50	<77	<96	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	2/26/2008	<50	<75	<93	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-14	8/25/2008	<50	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-14	2/18/2009	<50	<83	<410	--	--	<1	<1	<1	<1	<1	<400

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
LAI-14	8/25/2009	<50	<150	<750	--	--	<1	<1	<1	<3	<1	<250
LAI-14	3/22/2010	<50	<75.5	<377	--	--	<1	<1	<1	<3	<1	<250
LAI-14	8/24/2010	<50.0	<76.9	<385	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-14	2/10/2011	<50.0	<76.9	<385	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/11/2011	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	2/21/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/28/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	1/30/2013	<100	<450	<450	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/15/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	2/5/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	8/12/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	11/25/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	2/13/2015	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-14	9/24/2019	<100	<392	<392	--	--	<1.0	<1.0	<1.0	<3.0	--	--
LAI-14	2/25/2020	<100	<500	<500	--	--	<1.0	<1.0	<1.0	<3.0	--	--
LAI-14	3/18/2021	<100	<392	<392	--	--	<1.00	<1.00	<1.00	<3.00	--	--
LAI-14	9/16/2021	<100	<96	<96	--	--	<0.50	<1.0	<1.0	<2.0	--	--
LAI-14	3/3/2022	<100	<97	<97	--	--	<0.50	<1.0	<1.0	<2.0	--	--
LAI-14	9/1/2022	<100	<94	<94	--	--	<0.50	<1.0	<1.0	<2.0	--	--
LAI-14	2/22/2023	<100	<100	<100	--	--	<0.50	<1.0	<1.0	<2.0	--	--
LAI-14	8/15/2023	<100	--	--	<96	<96	<0.50	<1.0	<1.0	<2.0	--	--
LAI-14	1/30/2024	<100	--	--	<96	<96	<0.50	<1.0	<1.0	<2.0	--	--
LAI-14	8/2/2024	<150	<190	<333	--	--	<1.00	<1.00	<1.00	<2.00	--	--
LAI-15	5/28/2003	104	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-15	8/11/2003	158	0.33	<0.5	--	--	<0.5	0.641	<0.5	1.95	--	--
LAI-15	11/20/2003	54	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-15	3/15/2004	154	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-15	6/22/2004	135	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-15	9/21/2004	92	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-15	12/21/2004	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-15	3/21/2005	<100	<0.237	<0.473	--	--	<1	<1	<1	<3	--	--
LAI-15	6/23/2005	<100	<0.237	<0.473	--	--	<1	<1	<1	<3	<1	--
LAI-15	7/29/2005	76	<800	<1000	--	--	<0.2	0.3	<0.2	<0.6		--
LAI-15	9/21/2005	100	<75	<94	--	--	<0.5	<0.5	<0.5	<1.5	--	--
LAI-15	12/1/2005	67	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	--	--
LAI-15 (DUP)	11/28/2005	92	110	<94	--	--	<0.5	<0.7	<0.8	<0.8	--	--
LAI-15	2/27/2006	77	<77	<97	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15 (DUP)	3/1/2006	90	<76	<95	--	--	<0.5	0.8	0.8	<0.8	<0.5	--
LAI-15	5/16/2006	98	<76	<95	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-15 (DUP)	5/17/2006	97	<76	<95	--	--	0.4	1	<0.2	<0.6	<0.3	--
LAI-15	8/16/2006	85	<75	<93	--	--	<0.5	1	<0.8	1	<0.5	--
LAI-15	11/21/2006	50	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	2/20/2007	75	<75	<94	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	5/15/2007	83	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	9/11/2007	<50	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	11/26/2007	<50	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	2/26/2008	<50	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	8/25/2008	56	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-15	2/18/2009	<50	<83	<410	--	--	<1	<1	<1	<1	<1	<400
LAI-15	8/25/2009	32.2J	<76	<380	--	--	<1	<1	<1	<3	<1	<250
LAI-15	3/22/2010	<50	<75.5	<377	--	--	<1	<1	<1	<3	<1	<250
LAI-15	8/24/2010	61	<77.3	<386	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-15	2/9/2011	57.3	<76.9	<385	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	5/24/2011	248	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	8/11/2011	90.4	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15 (DUP)	8/11/2011	73.9	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	2/21/2012	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
LAI-15	8/28/2012	56.4	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	1/30/2013	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	8/15/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	2/5/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-16	2/25/2003	<50	<0.25	<0.5	--	--	<0.5	0.679	<0.5	1.09	--	--
LAI-16	3/25/2003	<50	0.29	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-16 (DUP)	3/25/2003	<50	0.33	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-16	4/17/2003	<50	<0.25	<0.5	--	--	3.51	<0.5	<0.5	<1	--	--
LAI-16	5/28/2003	705	<0.25	<0.5	--	--	**523**	14.9	<1	2.25	--	--
LAI-16	11/21/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-16 (DUP)	11/21/2003	<50	<0.25	<0.5	--	--	<0.5	<0.5	<0.5	<1	--	--
LAI-16	3/16/2004	<50	<0.25	<0.5	--	--	2.7	0.796	<0.5	<1	--	--
LAI-16 (DUP)	3/16/2004	<50	<0.25	<0.5	--	--	4.76	0.63	<0.5	<1	--	--
LAI-16	6/22/2004	<50	<0.25	<0.5	--	--	**8.52**	<0.5	<0.5	<1	--	--
LAI-16	12/21/2004	<50	<0.25	<0.5	--	--	<0.5	0.667	<0.5	<1	--	--
LAI-16	3/21/2005	<100	<0.236	<0.471	--	--	<1	6.08	<1	<3	--	--
LAI-16	6/23/2005	<100	<0.384 (d)	<0.473	--	--	<1	<1	<1	<3	<1	--
LAI-16	9/21/2005	**Insufficient Groundwater to Sample**										
LAI-16	12/1/2005	<48	140	98	--	--	<0.5	<0.7	<0.8	<0.8	--	--
LAI-16	3/1/2006	<48	160	<95	--	--	**21**	<0.7	<0.8	<0.8	<0.5	--
LAI-16	5/17/2006	<48	78	<94	--	--	1.8	0.3	<0.2	<0.6	<0.3	--
LAI-16	8/16/2006	**Insufficient Groundwater to Sample**										
LAI-16	11/20/2006	<48	91	<95	--	--	<0.5	0.8	<0.8	1	<0.5	--
LAI-16	2/19/2007	<48	120	<94	--	--	**17**	<0.7	<0.8	<0.8	<0.5	--
LAI-16	5/14/2007	<50	--	--	--	--	0.7	<0.7	<0.8	<0.8	<0.5	--
LAI-16	9/11/2007	**Insufficient Groundwater to Sample**										
LAI-16	11/26/2007	**Insufficient Groundwater to Sample**										
LAI-16	2/26/2008	310	300	<94	--	--	**64**	6	11	20	<0.5	--
LAI-16	2/19/2009	<50	<82	<410	--	--	<1	<1	1	1	<1	<400
LAI-16	8/25/2009	**Insufficient Groundwater to Sample**										
LAI-16	3/23/2010	<50	<75.5	<377	--	--	<1	<1	<1	<3	<1	<250
LAI-16	8/26/2010	**Insufficient Groundwater to Sample**										
LAI-16	5/16/2011	<50 J	<75	<380	--	--	<1 J	<1 J	<1 J	<3 J	<1 J	--
LAI-16	3/1/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-16	2/8/2013	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-1	11/30/2005	55	<75	<94	--	--	1	6	<0.8	4	--	--
RW-1	8/25/2008	<50	<78	<97	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<50
RW-1	2/18/2009	<50	<80	<400	--	--	<1	<1	<1	<1	<1	<400
RW-1	8/25/2009	**Insufficient Groundwater to Sample**										
RW-1	3/23/2010	<50	<78.4	<392	--	--	<1	<1	<1	<3	<1	<250
RW-1	8/23/2010	**Insufficient Groundwater to Sample**										
RWx-2	9/20/2005	**130,000**	**3,000**	<470	--	--	**16,000**	**30,000**	**2,200**	**12,000**	--	--
RWx-2	8/26/2008	**100,000**	**610**	<96	--	--	**1,600**	**16,000**	**1,600**	**9,700**	<1	<100
RWx-2 (DUP)	8/27/2008	**62,000**	**5,600**	<970	--	--	**180**	**5,500**	**1,100**	**9,800**	<3	<250
RWX-2	11/18/2016	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
RWX-2	2/17/2017	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
RWX-2	5/26/2017	<100	<410	<410	--	--	<1.0	2.2	1.4	3.2	--	--
RWX-2	9/28/2017	**28,000**	**1,100**	<380	--	--	**2,210**	**7,340 J**	416	**2,180**	--	--
RWX-2	12/14/2017	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
RWX-2	3/2/2018	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
RWX-2	6/27/2018	139	**530**	<420	--	--	1.1	<1.0	4.8	<3.0	--	--
RWX-2	8/29/2018	**12,900**	**1,700**	<430	--	--	**1,190**	**2,700**	222	**1,060**	--	--
RWX-2	12/19/2018	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
RW-3	7/28/2005	**79,000**	**57,000**	**4,700**	--	--	**1,400**	**8,700**	**1,300**	**8,800**	15	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
RW-3	11/30/2005	**4,100**	**2,700**	130	--	--	**20**	200	30	220	--	--
RW-3	2/28/2006	270	<78	<97	--	--	**6**	46	4	23	<0.5	--
RW-3	5/16/2006	**2,600**	**1,700**	<94	--	--	**34**	190	26	200	<5	--
RW-3	8/17/2006	**12,000**	**2,400**	150	--	--	**480**	**1,700**	130	930	<0.5	--
RW-3	11/21/2006	**3,200**	**1,700**	<95	--	--	**26**	220	50	310	<0.5	--
RW-3	2/20/2007	**1,100**	300	<94	--	--	**12**	96	12	77	<0.5	--
RW-3	5/15/2007	**4,000**	**3,000**	<480	--	--	**240**	**1,200**	140	900	<1	--
RW-3	9/12/2007	**88,000**	--	--	--	--	**940**	**9,900E**	**1,500**	**8,700**	<0.5	--
RW-3	11/27/2007	**1,100**	310	<94	--	--	**12**	100	14	97	<0.5	--
RW-3	2/26/2008	**6,500**	**47,000**	<1900	--	--	**25**	370	140	760	<0.5	--
RW-3	8/25/2008	**830**	440	<97	--	--	**12**	45	15	95	<0.5	<50
RW-3	2/19/2009	266	110	<410	--	--	<1	9.9	3.2	20	<1	<400
RW-3	8/25/2009	**Insufficient Groundwater to Sample**										
RW-3	3/23/2010	**1,200**	**1,150**	<385	--	--	1.8	69.5	23.2	138	<1	<250
RW-3	8/23/2010	**Insufficient Groundwater to Sample**										
RW-3	2/27/2012	**3,700**	**2,400**	<380	--	--	**5.4**	111	62.5	351	<1.0	--
RW-3	8/24/2012	**2,710**	**2,100**	<420	--	--	**34.0**	17.7	92.3	456	<1.0	--
RW-3	2/1/2013	366	**15,400**	700	--	--	<1.0	2.3	6.6	40.2	<1.0	--
RW-4	8/26/2008	**4,100**	**2,200**	<98	--	--	**7**	88	77	590	<0.5	<50
RW-4	2/19/2009	<50	<80	<400	--	--	<1	2.4	<1	3.5	<1	<400
RW-4	8/25/2009	**Insufficient Groundwater to Sample**										
RW-4	3/24/2010	84	<77.7	<388	--	--	<1	5.7	1.4	11.2	<1	<250
RW-4	8/26/2010	**5,340**	172	<400	--	--	**123**	**1,250**	230	**1,430**	<1.0	<250
RW-4	2/10/2011	<50.0	<76.9	<385	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	8/12/2011	**5,820**	<76	<380	--	--	**151**	551	176	770	<1.0	--
RW-4	11/18/2011	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	2/23/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	3	<1.0	--
RW-4	5/11/2012	241	<80	<400	--	--	**10.4**	88.4	17.0	95.4	<1.0	--
RW-4	8/24/2012	**1,350**	<82	<410	--	--	**26.9**	77.7	42.3	183	<1.0	--
RW-4	11/9/2012	101	<100	<100	--	--	<1.0	3.1	3.1	17.5	<1.0	--
RW-4	1/31/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4 (DUP)	1/31/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	5/3/2013	138	<200	290	--	--	<1.0	2.4	1.6	10	<1.0	--
RW-4	8/22/2013	**4,080**	**1,600**	<430	--	--	**21.5**	47.2	33.3	174	<1.0	--
RW-4	11/20/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4 (DUP)	11/20/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	2/11/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RW-4	5/7/2014	<50	<48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
RWx-5	8/26/2008	**43,000**	**1,700**	<99	--	--	**3,800**	**9,500**	**810**	**4,300**	<5	<500
RWx-5	2/19/2009	**2,690**	350	<400	--	--	**37**	120	10	530	<1	<400
RWx-5	8/25/2009	**190,000**	**1,600**	84J	--	--	**30,200**	**43,500**	**3,260**	**17,200**	<1	<250
RWx-5 (DUP)	8/25/2009	**191,000**	**1,300**	120J	--	--	**28,300**	**40,700**	**22,820**	**14,600**	<1	<250
RWx-5	3/24/2010	**827**	<76.2	<381	--	--	**26.3**	44.9	3.8	192	<1	<250
RWx-5	8/26/2010	**16,200**	193	<396	--	--	**2,700**	**3,140**	375	**1,660**	<1.0	<250
RWx-5 (DUP)	8/26/2010	**29,800**	582	<412	--	--	**4,190**	**7,990**	**1,130**	**4,140**	<1.0	<250
RWx-5	2/11/2011	**1,730**	<78.4	<392	--	--	**18.8**	38.2	5.9	325	<1.0	--
RWx-5	5/25/2011	**689**	<75	<380	--	--	4.5	9.5	2.4	96.1	<1.0	--
RWx-5	8/15/2011	**72,400**	**550**	<380	--	--	**4,480**	**26,100**	**1,640**	**7,290**	<1.0	--
RWx-5	11/18/2011	309	<76	<380	--	--	**21.6**	48.5	<1.0	25.7	<1.0	--
RWx-5	2/23/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-5	5/11/2012	**1,970**	<79	<400	--	--	**6.7**	113	19.6	862	<1.0	--
RWx-5	8/27/2012	**67,300**	420	<380	--	--	**2,620**	**18,100**	**1,260**	**6,010**	<50.0	--
RWx-5	11/9/2012	**1,460**	380	<110	--	--	**5.2**	183	48.7	431	<1.0	--
RWx-5 (DUP)	11/9/2012	**1,430**	230J	<110	--	--	**4.0**	148	42.3	398	<1.0	--
RWx-5	1/31/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-5	5/3/2013	**67,800**	360	320	--	--	**8,540**	**18,300**	**1,300**	**6,740**	<100	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
RWx-5	8/22/2013	**52,300**	<420	<420	--	--	**977**	**2,130**	107	658	<100	--
RWx-5	11/20/2013	<100	<400	<400	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
RWx-5	2/7/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-5	5/7/2014	<50	<48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
RWX-5	2/23/2023	<100	<100	<100	--	--	<0.50	<1.0	<1.0	<2.0	--	--
RWX-5	8/16/2023	<100	--	--	<98	<98	**15**	<1.0	<1.0	<2.0	--	--
RWX-5	1/30/2024	<100	--	--	<97	<97	<0.50	<1.0	<1.0	<2.0	--	--
RWX-5	7/31/2024	<150	<196				<1.0	<1.0	<1.0	<2.0	--	--
RW-6	8/27/2008	84	<79	<99	--	--	<0.5	<0.7	<0.8	2	<0.5	<50
RW-6	2/18/2009	50	<80	<400	--	--	<1	<1	<1	<1	<1	<400
RW-6	8/25/2009	**Insufficient Groundwater to Sample**										
RW-6	3/24/2010	<50	<75.8	<379	--	--	<1	<1	<1	<3	<1	<250
RW-6	8/23/2010	**Insufficient Groundwater to Sample**										
RWx-7	8/27/2008	**65,000**	**5,400**	<980	--	--	**180**	**4,800**	**1,200**	**8,900**	<3	<250
RWx-7	2/19/2009	**13,700**	**1,900**	<410	--	--	1	22	35	**1,100**	<1	<400
RWx-7	8/25/2009	**39,100**	**1,600**	110J	--	--	**2,990**	**2,670**	279	**3,210**	<1	<250
RWx-7	3/24/2010	**939**	124	<381	--	--	<1	<1	<1	12	<1	<250
RWx-7	8/26/2010	**19,600**	**742**	<421	--	--	**352**	**1,270**	462	**3,280**	<1.0	<250
RWx-7	2/11/2011	<50.0	<76.9	<385	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-7	8/12/2011	**25,600**	**580**	<380	--	--	**1,590**	**3,870**	552	**2,650**	<1.0	--
RWx-7	2/23/2012	88.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-7	8/27/2012	**23,600**	**630**	<390	--	--	**1,100**	**3,900**	361	**2,550**	<5.0	--
RWx-7	1/30/2013	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWx-7	8/22/2013	**30,300**	**530**	<420	--	--	**1,830**	**4,460**	370	**2,100**	<25.0	--
RWx-7	2/11/2014	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
RWX-7	11/18/2016	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
RWX-7	2/17/2017	**1,360**	<400	<400	--	--	<1.0	<1.0	<1.0	24.2	--	--
RWX-7	5/26/2017	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
RWX-7	9/28/2017	**932**	<420	<420	--	--	**272**	10.6	1.5	40.6	--	--
RWX-7	12/14/2017	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	--	--
RWX-7	3/2/2018	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
RWX-7	6/27/2018	<100	<430	<430	--	--	**9.9**	<1.0	<1.0	<3.0	--	--
RWX-7	8/29/2018	**2,540**	**960**	<400	--	--	**290**	263	31.1	87.3	--	--
RWX-7	12/19/2018	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
HWx-1E	9/21/2005	**3,800**	**610**	<94	--	--	**460**	21	220	90	--	--
HWx-1E	11/30/2005	**4,900**	**720**	<95	--	--	**2,300**	250	220	590	--	--
HWx-1E	3/1/2006	**80,000**	**2,200**	<480	--	--	**9,000**	**12,000**	**1,400**	**7,600**	<5	--
HWx-1E	5/17/2006	**69,000**	**1,100**	**860**	--	--	**10,000**	**9,800**	**1,700**	**7,600**	<200	--
HWx-1E	8/16/2006	**23,000**	**2,800**	**<940**	--	--	**5,300**	**1,300**	840	**3,700**	<1	--
HWx-1E	11/20/2006	750	91	<94	--	--	**70**	14	29	75	<0.5	--
HWx-1E	2/19/2007	**42,000**	**1,400**	<94	--	--	**6,300**	**5,100**	**1,200**	**3,700**	<5	--
HWx-1E	5/14/2007	**80,000**	**1,300**	<96	--	--	**8,800**	**12,000**	**1,600**	**7,400**	<10	--
HWx-1E	9/11/2007	**4,800**	**1,100**	<94	--	--	**750**	34	200	620	<0.5	--
HWx-1E	11/26/2007	310	170	<97	--	--	**240**	7	3	29	<0.5	--
HWx-1E	2/26/2008	300	320	<95	--	--	**65**	7	13	23	<0.5	--
HWx-1E	8/26/2008	**1,200**	390	<96	--	--	**250**	220	13	69	<0.5	<50
HWx-1W	11/29/2005	**1,200**	**590**	<95	--	--	**420**	<1	62	120	--	--
HWx-1W	2/28/2006	**54,000**	**1,500**	<190	--	--	**2,700**	**6,400**	**780**	**3,200**	<3	--
HWx-1W	5/17/2006	**73,000**	**1,100**	<190	--	--	**6,800**	**12,000**	**1,500**	**7,400**	<100	--
HWx-1W	8/16/2006	**8,500**	**970**	120	--	--	**2,000**	280	440	**1,300**	<0.5	--
HWx-1W	11/20/2006	220	89	<96	--	--	**12**	1	8	30	<0.5	--
HWx-1W	2/19/2007	**11,000**	**1,100**	140	--	--	**1,500**	**1,300**	470	**1,500**	<1	--
HWx-1W	5/14/2007	**38,000**	**980**	<95	--	--	**6,200**	**4,900**	**1,000**	**4,100**	<5	--
HWx-1W	9/11/2007	**1,800**	**1,700**	**<950**	--	--	**2,000**	4	210	180	<0.5	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	*Date*	*TPHg*	*TPHd*	*TPHo*	*TPHd w/sgc*	*TPHo w/sgc*	*B*	*T*	*E*	*X*	*MTBE*	*Ethanol*
MTCA Method A Screening Levels:		*800*	*500*	*500*	*500*	*500*	*5*	*1,000*	*700*	*1,000*	*20*	*--*
HWx-1W	11/26/2007	680	440	<96	--	--	**1,700**	16	20	76	<1	--
HWx-1W	2/26/2008	<50	<76	<95	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	--
HWx-1W	8/26/2008	84	120	<95	--	--	1	<0.7	1	2	<0.5	<50
MW-1	11/15/2011	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/28/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	5/8/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	9/4/2012	<50	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/7/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/5/2013	<100	<460	<460	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	5/1/2013	<100	<200	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	8/14/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/22/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/13/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	4/30/2014	<50	<48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-1	8/13/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/23/2014	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	2/13/2015	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-1	11/16/2016	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	2/16/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	5/24/2017	<100	<440	<440	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	9/27/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	12/13/2017	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	2/28/2018	<100	<380	<380	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
MW-1	6/26/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	8/28/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	12/18/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	3/14/2019	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	9/23/2019	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	2/25/2020	<100	<417	<417	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	9/17/2020	<100	<417	<417	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-1	3/17/2021	<100	<400	<400	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-1	9/14/2021	<100	<97	<97	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-1	3/3/2022	<100	<99	<99	--	--	<1.0	<2.0	<2.0	<4.0	--	--
MW-1	8/31/2022	<100	120	190	--	--	<1.0	2.9	<2.0	<4.0	--	--
MW-1	8/17/2023	<100	--	--	<97	<97	<0.50	<1.0	<1.0	<2.0	--	--
MW-1	2/1/2024	<100	--	--	<96	<96	<0.50	<1.0	<1.0	<2.0	--	--
MW-1	7/30/2024	<150	319	339	--	--	<1.00	<1.00	<1.00	<2.00	--	--
MW-2	11/16/2011	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/28/2012	86.4	<150	<730	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	5/14/2012	<100	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	9/4/2012	<50.0	<78	<390	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/7/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/8/2013	103	<450	<450	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	5/1/2013	113	210	<390	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	8/23/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/22/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/13/2014	189	<400	<400	--	--	<1.0	<1.0	<1.0	<2.0	<4.0	--
MW-2	4/30/2014	134	<50	<29	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-2	8/13/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/23/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/13/2015	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/16/2016	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	2/16/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	5/24/2017	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	9/27/2017	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	12/13/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
MW-2	2/28/2018	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	6/26/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	8/28/2018	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	12/18/2018	118	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	3/14/2019	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	9/23/2019	<100	<392	<392	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	2/25/2020	107	<455	<455	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	9/17/2020	<100	<435	<435	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-2	3/17/2021	<100 J	<400 J	<400 J	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-2	9/14/2021	<100	<98	<98	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-2	3/3/2022	<100	<110	<110	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-2	8/31/2022	<100	<98	<98	--	--	<1.0	<2.0	<2.0	<4.0	--	--
MW-2	8/17/2023	<100	--	--	<94	<94	<1.0	<2.0	<2.0	<4.0	--	--
MW-2 (DUP)	8/17/2023	<100	--	--	<94	<94	<0.50 J	<1.0 J	<1.0 J	<2.0 J	--	--
MW-2	2/1/2024	<100	--	--	<98	<98	<0.50	<1.0	<1.0	<2.0	--	--
MW-2	7/30/2024	<150	194 J	339 J	--	--	<1.00	<1.00	<1.00	<2.00	--	--
MW-3	11/17/2011	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	3/1/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	5/14/2012	<50.0	350	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	8/28/2012	463	<76	<380	--	--	<1.0	181	<1.0	<3.0	<1.0	--
MW-3	11/7/2012	206	<120	<120	--	--	<1.0	143J	<1.0	<3.0	<1.0	--
MW-3	2/8/2013	133	<450	<450	--	--	1.7	36.6	<1.0	<3.0	<1.0	--
MW-3	5/6/2013	<100	<200	<200	--	--	<1.0	17.1	<1.0	<3.0	<1.0	--
MW-3	8/16/2013	187	<420	<420	--	--	<1.0	84.1	<1.0	<3.0	<1.0	--
MW-3	11/26/2013	<100	<400	<400	--	--	<1.0	6.9	<1.0	<3.0	<1.0	--
MW-3	2/10/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	5/1/2014	<50	<50	<29	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-3	8/14/2014	<100	<400	<400	--	--	<1.0	1.5	<1.0	<3.0	<1.0	--
MW-3	11/23/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	2/17/2015	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	11/16/2016	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	2/16/2017	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	5/24/2017	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	9/27/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	9/27/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	12/13/2017	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	2/27/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	6/26/2018	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	8/28/2018	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	12/18/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	3/14/2019	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	9/24/2019	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	2/25/2020	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-3	9/17/2020	<100	<435	<435	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-3	3/17/2021	<100	<392	<392	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-3	9/14/2021	<100	<96	<96	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-3	3/3/2022	<100	<98	<98	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-3	8/31/2022	<100	120	110	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-3	8/17/2023	<100	--	--	<94	<94	<0.50	<1.0	<1.0	<2.0	--	--
MW-3	2/1/2024	<100	--	--	<97	<97	4.2	<1.0	<1.0	<2.0	--	--
MW-3 (DUP)	2/2/2024	<100	--	--	<98	150	4.2	<1.0	<1.0	<2.0	--	--
MW-3	8/1/2024	<150	157 J	264 J	--	--	<1.00	<1.00	<1.00	<2.00	--	--
MW-4	11/17/2011	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	3/1/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/14/2012	<50.0	<82	<410	--	--	<1.0[(SS)]	<1.0[(SS)]	<1.0	<3.0	<1.0	--
MW-4	8/28/2012	<50.0	<80	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
MW-4	11/7/2012	<100	<110UJ	<110UJ	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/8/2013	<100	<440	<440	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/6/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	8/16/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/26/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/10/2014	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/1/2014	<50	<48	600	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-4	8/14/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/23/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/17/2015	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/16/2016	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	2/16/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	5/24/2017	<100	<510	<510	--	--	<1.0	2.4	<1.0	<3.0	--	--
MW-4	9/27/2017	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	12/13/2017	<100	<380	<380	--	--	<1.0	1.0	<1.0	<3.0	--	--
MW-4	2/27/2018	<100	<380	<380	--	--	<1.0	2.1	1.4	<3.0	--	--
MW-4	6/26/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	8/28/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	12/19/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	3/14/2019	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	9/24/2019	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	2/25/2020	<100	<417	<417	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	9/17/2020	<100	<417	<417	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-4	3/17/2021	<100	<392	<392	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-4	9/14/2021	<100	<96	<96	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-4	3/3/2022	<100	<100	<100	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-4	8/31/2022	<100	<99	<99	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-4	8/17/2023	<100	--	--	<95	<95	<0.50	<1.0	<1.0	<2.0	--	--
MW-4	2/1/2024	<100	--	--	<99	<99	<0.50	<1.0	<1.0	<2.0	--	--
MW-4	8/1/2024	<150	155 J	324 J	--	--	<1.00	<1.00	<1.00	<2.00	--	--
MW-5	11/17/2011	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	3/1/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	5/14/2012	<50.0	<83	<420	--	--	<1.0(SS)	<1.0(SS)	<1.0	<3.0	<1.0	--
MW-5	8/28/2012	<50.0	<83	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	11/7/2012	<100	<100UJ	<100UJ	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	2/7/2013	<100	<470	<470	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	5/6/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	8/16/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	11/26/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	2/10/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	5/1/2014	<50	<48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-5	8/14/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	11/23/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	2/17/2015	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	11/17/2016	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-5	2/16/2017	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-5	5/24/2017	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-5	9/28/2017	<100	<380	**720**	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-5	12/13/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-5	2/27/2018	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-5	6/26/2018	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-5	8/28/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-5	12/19/2018	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	11/16/2011	<50.0	<77	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	3/1/2012	64.5	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/14/2012	62.6	<84	<420	--	--	<1.0(SS)	<1.0(SS)	<1.0	<3.0	<1.0	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
MW-6	8/28/2012	<50.0	<82	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/7/2012	<100	<110UJ	<110UJ	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/7/2013	<100	<440	<440	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/6/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	8/16/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/26/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/10/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/1/2014	<50	<48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-6	8/14/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/23/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/23/2015	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/23/2015	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/17/2016	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	11/17/2016	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	2/16/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	5/24/2017	112	<440	<440	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	9/28/2017	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	12/13/2017	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	2/28/2018	<100	<400	<400	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
MW-6	6/26/2018	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	8/28/2018	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	12/19/2018	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	3/14/2019	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	9/24/2019	<100	<417	<417	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	2/25/2020	<100	<417	<417	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	9/17/2020	<100	<435	<435	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-6	3/17/2021	<100	<408	<408	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-6	9/15/2021	<100	<95	<95	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-6	3/4/2022	<100	<110	<110	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-6	8/31/2022	<100	<96	<96	--	--	<2.0	<4.0	<4.0	<8.0	--	--
MW-6	8/16/2023	<100	--	--	<95	<95	<2.0	<4.0	<4.0	<8.0	--	--
MW-6	2/1/2024	<100	--	--	<99	<99	<0.50	<1.0	<1.0	<2.0	--	--
MW-6	8/2/2024	<150	167 J	318 J	--	--	<1.00	<1.00	<1.00	<2.00	--	--
MW-7	11/15/2011	**7,530**	380	<380	--	--	**3,560**	**1,610**	**898**	**3,250**	<1.0	--
MW-7	3/1/2012	**58,000**	**1,300**	<380	--	--	**15,000**	**1,600**	**1,150**	**2,770**	<1.0	--
MW-7	5/9/2012	**32,900**	**1,500**	<380	--	--	**7,470**	**1,620**	**1,290**	**2,930**	<50.0	--
MW-7	8/23/2012	**24,700** [10]	**850**	<390	--	--	**8,930**	**1,220**	**1,880**	**3,310**	1.1	--
MW-7	11/6/2012	**28,000**	**3,100**	<110	--	--	**6,620**	337	**1,120**	**2,230**	<20.0	--
MW-7	2/7/2013	**17,500**	**3,800**	<450	--	--	**6,840**	314	**1,940**	**1,410**	<50.0	--
MW-7	4/29/2013	**19,600**	<200	<200	--	--	**6,400**	310	**2,410**	**1,360**	<50.0	--
MW-7	8/13/2013	**19,700**	**2,600**	**1,000**	--	--	**8,710**	843	**1,080**	**2,810**	<50.0	--
MW-7	11/18/2013	**12,100**	**1,000**	<430	--	--	**6,730**	420	**1,310**	**1,270**	<50.0	--
MW-7 (DUP)	2/5/2014	**18,400**	**930**	<400	--	--	**4,760**	148	**1,560**	**1,170**	<20.0	--
MW-7	2/5/2014	**18,900**	**1,200**	<400	--	--	**6,150 J**	170 J	**1,750 J**	**1,310 J**	<20.0 J	--
MW-7	4/29/2014	**17,200**	**1,200**	<28	--	--	**6,870**	129	**2,330**	**1,080**	<8.4	--
MW-7	11/17/2016	**11,300**	**2,200**	<390	--	--	**3,250**	27.3	**1,500**	318	--	--
MW-7	5/24/2017	**11,100**	**1,100**	<430	--	--	**2,790**	32.7	**924**	263	--	--
MW-7	12/13/2017	**4,630**	**27,400 J**	<410	--	--	**1,660**	78.5	238	257	--	--
MW-7	3/1/2018	**4,340 J**	**16,900**	<370	--	--	**2,470**	68.4	382	208	--	--
MW-7	8/29/2018	**19,400**	**1,800**	<390	--	--	**4,640**	**1,440**	**1,070**	**2,400**	--	--
MW-7	2/22/2023	**5,200**	**2,300**	<100	--	--	**2,400**	<20	420	110	--	--
MW-7	8/15/2023	**4,900**	--	--	**660**	<100	**1,200**	120	170	500	--	--
MW-7	1/30/2024	**3,400**	--	--	**4,700**	<97	**710**	28	190	110	--	--
MW-7	8/1/2024	**6,600**	**3,080**	451	--	--	**1,290**	17.4	210	389	--	--
MW-8	11/15/2011	**11,900**	130	<380	--	--	**3,670**	365	431	**1,510**	2.6	--
MW-8	2/22/2012	**9,370**	220	<380	--	--	**4,430**	382	**957**	**2,660**	6.9	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
MW-8	5/10/2012	**23,500**	**670**	<410	--	--	**9,090**	542	**841**	**2,280**	<25.0	--
MW-8 (DUP)	5/10/2012	**24,700**	**940**	<380	--	--	**8,940**	571	**855**	**2,320**	8.0	--
MW-8	8/23/2012	**17,500** [10]	**680**	<380	--	--	**9,570**	670	**1,090**	**2,780**	5.1	--
MW-8	11/6/2012	**10,300**	**1,400**	<110	--	--	**3,420**	140	422	**1,037**	1.8	--
MW-8	1/29/2013	**8,130**	**2,800**	**820**	--	--	**6,280**	186	465	**1,250**	6.2	--
MW-8	4/29/2013	**5,430**	<200	<200	--	--	**4,720**	100	533	**1,380**	<50.0	--
MW-8	8/13/2013	**12,700**	**1,800**	**820**	--	--	**7,460**	58.8 J	**708**	**1,670**	<50.0	--
MW-8	11/19/2013	**7,500**	**550**	<420	--	--	**4,550**	<50.0	477	**1,100**	<50.0	--
MW-8	2/4/2014	**7,650**	**520 J**	<420	--	--	**4,040**	<50.0	447	931	<50.0	--
MW-8 (DUP)	2/4/2014	**7,960**	430 J	<400	--	--	**3,940**	<25.0	436	918	<25.0	--
MW-8	4/29/2014	**7,780**	480	<29	--	--	**7,070**	<5.5	552	**1,120**	<8.4	--
MW-8	11/17/2016	540	<400	<400	--	--	**123**	<1.0	2.6	24.7	--	--
MW-8	5/24/2017	**1,460**	<420	<420	--	--	**1,330**	25.8	13.0	73.1	--	--
MW-8	12/13/2017	692 J	**650 J**	<400	--	--	**695**	<5.0	10.3	<15.0	--	--
MW-8	3/1/2018	692	<380	<380	--	--	**832 J**	<5.0 J	39.7 J	<15.0 J	--	--
MW-8	3/1/2018	688	<380	<380	--	--	**784 J**	<5.0 J	37.4 J	<15.0 J	--	--
MW-8	8/29/2018	**1,250**	**840**	<390	--	--	**194**	4.1	8.5	10.6	--	--
MW-8	2/22/2023	800	490	<93	--	--	**160**	4.5	<4.0	43	--	--
MW-8	8/15/2023	460	--	--	120	<100	**14**	<5.0	<5.0	19	--	--
MW-8	2/2/2024	**810**	--	--	480	<100	**160**	<5.0	12	21	--	--
MW-8	8/1/2024	**1,140**	**594**	372	--	--	**34.8**	3.85	6.26	32.4	--	--
MW-9	11/16/2011	**1,950**	<76	<380	--	--	**1,430**	2	5	7.7	1.2	--
MW-9	2/22/2012	566	120 J	<380	--	--	**899**	1.9 J	1.8 J	3.4 J	<1.0 J	--
MW-9 (DUP)	2/22/2012	535	260 J	<380	--	--	**889**	1.8 J	1.7 J	3.2 J	1.0J	--
MW-9	5/9/2012	**1,830**	290	<430	--	--	**625**	1.4	1.7	<3.0	<1.0	--
MW-9	8/24/2012	**1,070**	270	<380	--	--	**977**	2.8	5.1	8.0	<1.0	--
MW-9	11/15/2012	**1,330**	220	<100	--	--	**439**	<2.0	2.3	<6.0	<2.0	--
MW-9	1/31/2013	224	<450	<450	--	--	**180**	<1.0	<1.0	<3.0	<1.0	--
MW-9	4/30/2013	**1,210**	<200	<200	--	--	**1,150**	<10.0	<10.0	<30.0	<10.0	--
MW-9	8/13/2013	**1,790**	**1,500**	<400	--	--	**817**	4.1 J	7.3	6.8	<1.0	--
MW-9	11/18/2013	**869**	430	<400	--	--	**266**	<2.0	2.2	<6.0	<2.0	--
MW-9	2/4/2014	**1,520**	**650 J**	<430	--	--	**1,040**	<5.0	6.4	<15.0	<5.0	--
MW-9	4/30/2014	**2,050**	**550**	<29	--	--	**762**	<0.55	<0.82	<2.0	<0.84	--
MW-9	11/16/2016	**1,330**	**540**	**1,100**	--	--	**120**	1.4	2.2	3.9	--	--
MW-9	2/16/2017	**1,240**	**740**	**580**	--	--	**159**	1.5	3.2	6.8	--	--
MW-9	5/25/2017	**1,120**	<500	<500	--	--	**179**	1.4	6.7	<3.0	--	--
MW-9	9/27/2017	**849**	**580**	<410	--	--	**80.7**	1.1	1.6	<3.0	--	--
MW-9	12/13/2017	**950 J**	**600 J**	<410	--	--	**29.0**	<1.0	<1.0	<3.0	--	--
MW-9	2/28/2018	**1,320**	410	<380	--	--	**52.4 J**	<1.0 J	5.8 J	<3.0 J	--	--
MW-9	6/27/2018	**2,100**	**1,300**	<410	--	--	**258**	1.2	8.2	4.4	--	--
MW-9	8/29/2018	**1,230**	**960**	<420	--	--	**27.9**	<1.0	1.7	<3.0	--	--
MW-9	12/19/2018	**1,040**	**730**	<380	--	--	**13.1**	<1.0	<1.0	<3.0	--	--
MW-10	11/17/2011	174	<75	<380	--	--	**562**	3	1.6	17.9	<1.0	--
MW-10 (DUP)	11/17/2011	113	<75	<380	--	--	**440**	2	<1.0	15.3	<1.0	--
MW-10	2/22/2012	434	160	<380	--	--	2.0	<1.0	<1.0	<3.0	<1.0	--
MW-10	5/10/2012	282	140	<390	--	--	**65.4**	3.5	5.7	15.7	<1.0	--
MW-10	11/9/2012	466	<110	<110	--	--	**200**	1.1	<1.0	3.2	<1.0	--
MW-10	2/1/2013	125	<440	<440	--	--	1.6	<1.0	<1.0	<3.0	<1.0	--
MW-10	4/30/2013	185	<200	<200	--	--	**7.1**	<1.0	<1.0	<3.0	<1.0	--
MW-10	8/20/2013	139	<400	<400	--	--	**47.6**	<1.0	<1.0	3.5	<1.0	--
MW-10	11/18/2013	116	<400	<400	--	--	**57.9**	2.2	<1.0	10.3	<1.0	--
MW-10	2/4/2014	125	<420	<420	--	--	**27.4**	<1.0	<1.0	<3.0	<1.0	--
MW-10	4/29/2014	415	<50	<29	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-10	8/12/2014	152	<400	<400	--	--	**26.3**	1.1	<1.0	3.7	<1.0	
MW-10	11/25/2014	122	<400	<400	--	--	**12.7**	<1.0	<1.0	<3.0	<1.0	--
MW-10	2/17/2015	291	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	Date	TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
MW-10	11/16/2016	164	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	2/16/2017	189	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	5/24/2017	277	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	9/28/2017	<100	<410	<410	--	--	1.1 J	<1.0 J	<1.0 J	<3.0 J	--	--
MW-10	12/14/2017	<100	430	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	12/14/2017	<100	**620**	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	3/1/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	6/27/2018	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	8/28/2018	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	12/19/2018	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	3/14/2019	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10 (DUP)	3/14/2019	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	9/25/2019	<100	<417	<417	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	2/25/2020	<100	<392	<392	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	9/17/2020	<100	<465	<465	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-10	3/17/2021	<100 J	<400	<400	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-10	9/16/2021	<100	<97	<97	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-10 (DUP)	9/16/2021	<100	<96	<96	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-10	3/3/2022	<100	<97	<97	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-10	9/1/2022	<100	110	<97	--	--	1.6	<2.0	<2.0	<4.0	--	--
MW-10	2/22/2023	<100	<100	<100	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-10	8/15/2023	<100	--	--	<95	<95	<1.0	<2.0	<2.0	<4.0	--	--
MW-10	1/30/2024	<100	--	--	110	<97	<0.50	<1.0	<1.0	<2.0	--	--
MW-10	8/1/2024	76.7 J	371	336 J	--	--	<1.00	<1.00	<1.00	<2.00	--	--
MW-11	2/29/2012	128	82	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	5/16/2012	177	<77	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	8/29/2012	145	<78	<390	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	11/16/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	2/6/2013	<100	<450	<450	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	5/7/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	8/21/2013	196	**500**	<420	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-11	11/26/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	2/6/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	5/9/2014	<50	<30	<52	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-11	8/15/2014	114	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	11/21/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	2/18/2015	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-11	11/18/2016	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	2/17/2017	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	5/25/2017	<100	<510	<510	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	9/27/2017	168	<400	480	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	12/12/2017	117	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	2/28/2018	<100	<400	<400	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
MW-11	6/26/2018	207	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	8/28/2018	182	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	12/18/2018	105	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	3/14/2019	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	9/25/2019	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	2/25/2020	<100	<500	<500	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-11	9/17/2020	149	<435	<435	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-11	3/17/2021	102 J-	<392	<392	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-11 Dup	3/17/2021	<100 J	<392	<392	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-11	9/15/2021	160	<100	<100	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-11	3/3/2022	130	<98	<98	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-11	9/1/2022	140	97	<96	--	--	<1.0	<2.0	<2.0	<4.0	--	--
MW-11	2/22/2023	120	<110	<110	--	--	<1.0	<2.0	<2.0	<4.0	--	--
MW-11	8/16/2023	120	--	--	<98	<98	<1.0 J	<2.0 J	<2.0 J	<4.0 J	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
MW-11	1/31/2024	130	--	--	<100	<100	<0.50	<1.0	<1.0	<2.0	--	--
MW-11	7/31/2024	188	183 J	195 J	--	--	<1.00	<1.00	<1.00	<2.00	--	--
MW-12	2/29/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	5/16/2012	<50.0	<400	<2,000	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	8/29/2012	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	11/14/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	5/7/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	8/21/2013	<100	<390	<390	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-12	11/26/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	2/3/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	5/8/2014	<50	<32	<55	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-12	8/15/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	11/21/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	2/18/2015	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-12	11/18/2016	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	2/17/2017	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	2/17/2017	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	5/25/2017	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	9/27/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	12/12/2017	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	2/28/2018	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	6/26/2018	<100	<450	<450	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	8/28/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	12/18/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	3/14/2019	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	9/25/2019	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	2/25/2020	<100	<526	<526	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-12	9/17/2020	<100	<455	<455	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-12	3/17/2021	<100 J	<392 J	<392 J	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-12	9/15/2021	<100	<95	<95	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-12	3/3/2022	<100	<97	<97	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-12	9/1/2022	<100	<100	<100	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-12	2/22/2023	<100	<93	<93	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-12	8/16/2023	<100	--	--	<94	<94	<0.50	<1.0	<1.0	<2.0	--	--
MW-12	1/31/2024	<100	--	--	<100	<100	<0.50	<1.0	<1.0	<2.0	--	--
MW-12	7/31/2024	<150	91.8 J	<336	--	--	<1.00	<1.00	<1.00	<2.00	--	--
MW-13	2/29/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	5/16/2012	<50.0	<78	<390	--	--	<1.0 (M1)	<1.0 (M1)	<1.0 (M1)	<3.0 (M1)	<1.0 (M1)	--
MW-13	9/5/2012	<50.0	<78	<390	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	11/14/2012	<100	<120	<120	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	2/6/2013	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	5/8/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	8/21/2013	<100	<390	<390	--	--	1.1 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-13	11/26/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	2/6/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	5/8/2014	<50	<28	<48	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-13	8/15/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	11/21/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	2/18/2015	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-13	11/17/2016	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	2/16/2017	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	5/25/2017	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	9/27/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	12/13/2017	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	2/28/2018	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	6/26/2018	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
MW-13	8/28/2018	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	12/18/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	3/14/2019	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	9/24/2019	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	2/25/2020	<100	<476	<476	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-13	9/17/2020	<100	<400	<400	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-13	3/17/2021	<100 J	<392	<392	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-13	9/15/2021	<100	**2,400**	**2,000**	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-13	3/3/2022	<100	<97	<97	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-13	8/31/2022	<100	<94	<94	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-13	8/16/2023	<100	--	--	<95	<95	<0.50 J	<1.0 J	<1.0 J	<2.0 J	--	--
MW-13	1/31/2024	<100	--	--	<96	<96	<0.50	<1.0	<1.0	<2.0	--	--
MW-13	7/31/2024	<150	<194	<340	--	--	<1.00	<1.00	<1.00	<2.00	--	--
MW-14	11/21/2011	**123,000 J**	**640 J**	<380 J	--	--	**17,500 J**	**18,200 J**	**2,550 J**	**14,100 J**	<1.0 J	--
MW-14	2/28/2012	**110,000**	**1,400**	<380	--	--	**16,400 J**	**16,300 J**	**2,020 J**	**10,500 J**	<1.0 J	--
MW-14	5/14/2012	**133,000**	**2,000**	<380	--	--	**18,400**[SS]	**2,3400**[SS]	**2,090**	**11,900**	<10.0	--
MW-14	11/16/2012	**90,800**	300	<110	--	--	**17,900**	**15,600**	**1,780**	**10,720**	<50.0	--
MW-14	2/6/2013	**94,200**	**4,100**	<470	--	--	**16,300**	**15,400**	**1,740**	**10,400**	<100	--
MW-14	5/2/2013	**90,300**	**1,500**	450	--	--	**16,200**	**16,200**	**2,050**	**11,500**	<100	--
MW-14	8/23/2013	**150,000**	**1,300**	**540**	--	--	**23,600**	**21,300**	**2,670**	**15,000**	<100	--
MW-14	11/18/2013	**91,100**	**1,600**	<420	--	--	**21,100**	**15,700**	**2,470**	**13,400**	<20.0	--
MW-14	2/12/2014	**103,000**	**1,400**	<400	--	--	**14,000**	**11,800**	**1,770**	**10,700**	<100	--
MW-14	5/6/2014	**19,300**	**530**	430	--	--	**283**	327	96.8	560	<3.4	--
MW-14	11/17/2016	**30,300**	**1,800**	**1,500**	--	--	**6,910**	585	**1,040**	**4,800**	--	--
MW-14	5/25/2017	**60,800**	**850**	<370	--	--	**16,000**	**4,670**	**1,730**	**9,040**	--	--
MW-14	12/14/2017	**57,700**	**1,600**	<390	--	--	**14,000**	**3,630**	**1,690**	**8,530**	--	--
MW-14	3/1/2018	**34,900**	**550**	<370	--	--	**5,140 J**	**3,540 J**	462 J	**2,020 J**	--	--
MW-14	3/1/2018	**50,600**	**740**	<390	--	--	**8,920 J**	**6,400 J**	**966 J**	**4,370 J**	--	--
MW-14	8/28/2018	**58,700**	**2,400**	<420	--	--	**15,500**	**4,960**	**1,850**	**8,860**	--	--
MW-15	11/21/2011	265 J	<76 J	<380 J	--	--	**32.9 J**	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-15 (DUP)	11/21/2011	262 J	<77 J	<380 J	--	--	**30.9 J**	<1.0 J	1.4 J	<3.0 J	<1.0 J	--
MW-15	2/28/2012	195	<76	<380	--	--	**52.2**	<1.0	1.8	<3.0	<1.0	--
MW-15	5/11/2012	266	130	<380	--	--	**35.0**	<1.0	3.2	<3.0	<1.0	--
MW-15	8/27/2012	226	<84	<420	--	--	**40.3**	<1.0	<1.0	<3.0	<1.0	--
MW-15 (DUP)	8/27/2012	203	<83	<420	--	--	**39.5**	<1.0	1.2	<3.0	<1.0	--
MW-15	11/12/2012	445	<110	<110	--	--	**76.5**	<1.0	1.3	<3.0	<1.0	--
MW-15	2/4/2013	294	<430	<430	--	--	**35.2**	<1.0	3.2	<3.0	<1.0	--
MW-15	5/3/2013	309	320	340	--	--	**42.3**	<1.0	3.5	<3.0	<1.0	--
MW-15	8/23/2013	450	**1,500**	<430	--	--	**58.5**	<1.0	1.1	<3.0	<1.0	--
MW-15	11/20/2013	348	<400	<400	--	--	**42.9**	<1.0	<1.0	<3.0	<1.0	--
MW-15	2/7/2014	520	<400	<400	--	--	**41.1**	<1.0	1.6	<3.0	<1.0	--
MW-15	5/7/2014	278	<48	<28	--	--	**28.4**	1.1	1.6	<0.40	<0.17	--
MW-15	11/18/2016	353	420	<400	--	--	**18.2**	<1.0	<1.0	<3.0	--	--
MW-15	2/17/2017	**1,210**	<370	<370	--	--	<1.0	<1.0	<1.0	24.4	--	--
MW-15	5/26/2017	165	<430	<430	--	--	**11.8**	<1.0	1.6	<3.0	--	--
MW-15	9/28/2017	314	<390	<390	--	--	**13.0**	<1.0	<1.0	<3.0	--	--
MW-15	12/14/2017	170	<410	<410	--	--	4.6	<1.0	<1.0	<3.0	--	--
MW-15	3/1/2018	413 J	**550**	470	--	--	**33.6 J**	<1.0 J	2.5 J	<3.0 J	--	--
MW-15	6/27/2018	345	<430	<430	--	--	**28.8**	<1.0	<1.0	<3.0	--	--
MW-15	8/29/2018	395	**510**	<400	--	--	**47.4**	<1.0	<1.0	<3.0	--	--
MW-15 (DUP)	8/29/2018	443	430	<400	--	--	**53.3**	<1.0	<1.0	<3.0	--	--
MW-15	12/19/2018	416	<430	<430	--	--	**43.7**	<1.0	<1.0	<3.0	--	--
MW-15	3/14/2019	332	<400	<400	--	--	**31.5**	<1.0	1.8	<3.0	--	--
MW-15	9/25/2019	159	<400	<400	--	--	**7.3**	<1.0	<1.0	<3.0	--	--
MW-15 (DUP)	2/26/2020	153	<500	<500	--	--	**20.9**	<1.0	<1.0	<3.0	--	--
MW-15	2/26/2020	129	<526	<526	--	--	**20.1**	<1.0	<1.0	<3.0	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
MW-15	9/17/2020	133	<400	<400	--	--	**18.3**	<1.00	<1.00	<3.00	--	--
MW-15	3/18/2021	119	<392	<392	--	--	**17.4**	<1.00	<1.00	<3.00	--	--
MW-15	9/16/2021	120	110	<96	--	--	**6.4**	<1.0	<1.0	<2.0	--	--
MW-15	3/4/2022	130	<96	<96	--	--	**12**	<1.0	<1.0	<2.0	--	--
MW-15	9/1/2022	<100	110	<96	--	--	4.1	<1.0	<1.0	<2.0	--	--
MW-15	2/22/2023	200	<100	<100	--	--	**21**	<1.0	<1.0	<2.0	--	--
MW-15	8/16/2023	<100	--	--	190	<98	**19**	<1.0	<1.0	<2.0	--	--
MW-15	1/30/2024	350	--	--	**760**	<99	**18**	<1.0	<1.0	<2.0	--	--
MW-15	7/31/2024	728	**1,820**	429	--	--	**29.6**	<1.00	<1.00	<2.00	--	--
MW-16	2/29/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	5/16/2012	68.7	120	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	9/5/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	11/14/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	2/6/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	5/8/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	8/21/2013	<100	<400	<400	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-16	11/26/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	2/3/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	5/8/2014	<50	<28	<48	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-16	8/15/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16 (DUP)	8/15/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	11/21/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	2/18/2015	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-16	11/17/2016	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	2/17/2017	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	5/25/2017	<100	<500	<500	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	9/27/2017	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	12/13/2017	405	<410	<410	--	--	2.8	8.8	6.4	55.2	--	--
MW-16	2/28/2018	<100	<380	<380	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	6/26/2018	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	8/28/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	12/18/2018	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	3/14/2019	<100	<430	<430	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	9/24/2019	<100	<392	<392	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16 (DUP)	9/24/2019	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	2/25/2020	<100	<500	<500	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-16	9/17/2020	<100	<455	<455	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-16 (DUP)	9/17/2020	<100	<400	<400	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-16	3/17/2021	<100	<392	<392	--	--	<1.00	<1.00	<1.00	<3.00	--	--
MW-16	9/15/2021	<100	<97	<97	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-16	3/3/2022	<100	<98	<98	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-16	8/31/2022	<100	94	<94	--	--	<0.50	<1.0	<1.0	<2.0	--	--
MW-16	8/16/2023	270	--	--	<96	<96	<0.50	<1.0	<1.0	<2.0	--	--
MW-16	1/31/2024	<100	--	--	<98	<98	<0.50	<1.0	<1.0	<2.0	--	--
MW-16	7/31/2024	<150	<190	<333	--	--	<1.00	<1.00	<1.00	<2.00	--	--
MW-17	9/5/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	11/16/2012	<100	<100	<100	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	2/6/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	5/7/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	8/21/2013	<100	430	<420	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-17	11/26/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	2/6/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	5/9/2014	<50	<28	<48	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-17	11/18/2016	<100	<390	<390	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-17	5/25/2017	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-17	9/27/2017	<100 J	<390	<390	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
MW-17	12/12/2017	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-17	2/28/2018	<100	<390	<390	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
MW-17	6/26/2018	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-17	8/28/2018	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	--	--
MW-17	12/18/2018	<100	<400	<400	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
DW-1	11/15/2011	<50.0	<75	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	2/28/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	5/16/2012	<50.0	<76	<380	--	--	**10.9**	<1.0	<1.0	<3.0	<1.0	--
DW-1	9/4/2012	<50.0	<77	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	11/13/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	2/5/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	5/1/2013	<100	<200	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	8/14/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	11/22/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	2/13/2014	<100	<400	<400	--	--	2	<1.0	<1.0	<3.0	<1.0	--
DW-1	4/30/2014	<50	<48	<28	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
DW-2	11/16/2011	**33,800**	340	<380	--	--	**638**	**2,280**	699	**3,820**	4.8	--
DW-2	2/23/2012	**8,730**	430	<380	--	--	**132**	281	225	**1,330**	5.8	--
DW-2 (DUP)	2/23/2012	**8,190**	380	<380	--	--	**128**	292	234	**1,330**	6.2	--
DW-2	5/9/2012	**4,150**	390	<380	--	--	**54.4**	34.4	72.0	407	4.6	--
DW-2	8/24/2012	**1,360**	98	<410	--	--	**44.6**	8.9	26.5	120	1.7	--
DW-2	11/6/2012	**1,060**	140	<110	--	--	**49.1**	2.4	19.5	48.3J	<1.0	--
DW-2	1/31/2013	434	<450	<450	--	--	**11.9**	<1.0	6.5	9.2	<1.0	--
DW-2	4/30/2013	378	<200	<200	--	--	**14.7**	<1.0	3.3	15.5	<1.0	--
DW-2 (DUP)	4/30/2013	321	<200	<200	--	--	**15.1**	<1.0	3	14.6	<1.0	--
DW-2	8/23/2013	**821**	<420	<420	--	--	**13**	1.3 J	3.4	10.1	1.4	--
DW-2 (DUP)	8/23/2013	733	<400	<400	--	--	**12.9**	1.3	3.1	10.1	1.4	--
DW-2	11/21/2013	326	<400	<400	--	--	**5.9**	<1.0	<1.0	13.1	<1.0	--
DW-2	2/12/2014	395	<400	450	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-2	4/29/2014	333	48	<28	--	--	1.4	1.1	<0.16	3.4	2.1	--
DW-2	2/22/2023	300	<100	<100	--	--	**120**	<4.0	<4.0	<8.0	--	--
DW-2	8/16/2023	<100	--	--	<98	<98	<0.50	<1.0	<1.0	<2.0	--	--
DW-2	2/2/2024	100	--	--	110	<99	**25**	<1.0	<1.0	<2.0	--	--
DW-2	8/1/2024	<150	163 J	245 J	--	--	<1.00	<1.00	<1.00	<2.00	--	--
DW-3	11/17/2011	<50.0	<75	<380	--	--	<1.0	<1.0	1.3	<3.0	<1.0	--
DW-3	2/21/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	5/15/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	8/28/2012	<50.0	<81	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	11/9/2012	<100	<120	<120	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	1/30/2013	<100	<490	<490	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	5/1/2013	<100	<200	<600	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	8/15/2013	<100	<420	<420	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	11/19/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	2/5/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-3	5/1/2014	<50	410	**2,200**	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--
DW-4	9/5/2012	<50.0	<76	<380	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	11/16/2012	<100	<110	<110	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	2/6/2013	<100	<410	<410	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	5/7/2013	<100	<200	<200	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	8/21/2013	<100	<420	<420	--	--	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
DW-4	11/26/2013	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	2/6/2014	<100	<400	<400	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-4	5/9/2014	<50	<29	<50	--	--	<0.15	<0.11	<0.16	<0.40	<0.17	--

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

Sample Location	Date	HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	TPHd w/sgc	TPHo w/sgc	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	500	500	5	1,000	700	1,000	20	--
Retention Pond	6/3/2004	**36,200**	--	--	--	--	**7,860**	**6,920**	792	**3,260**	--	--
Retention Pond	4/19/2006	**38,000**	**2,800**	<1000	--	--	**2,100**	**4,400**	180	**3,300**	NA	--
Retention Pond	2/19/2007	**16,000**	**1,400**	140	--	--	**1,600**	**2,500**	100	**1,500**	2	--
DPE-6	7/30/2024	**15,200**	**2,750**	332 J	--	--	**34.5 J**	140	388	**2,010**	--	--
DPE-9	7/30/2024	**70,600**	**5,310**	268 J	--	--	**8,200**	**9,890**	**2,360**	**9,420**	--	--
DPE-10	7/30/2024	**9,010**	**4,650**	143 J	--	--	**79.0**	**20,500**	**2,450**	**11,500**	--	--
DPE-12	7/30/2024	**15,100**	**1,350**	189 J	--	--	**398**	241	**798**	**3,020**	--	--
DPE-28	2/23/2023	<100	**3,200**	<110	--	--	1.1	<1.0	<1.0	<2.0	--	--
DPE-28	8/16/2023	250	--	--	**4,000**	**220**	2.6	<4.0	6.4	<8.0	--	--
DPE-28	2/2/2024	250	--	--	**9,500**	**730**	0.64	<1.0	<1.0	<2.0	--	--
DPE-28	8/2/2024	123 J	**2,050**	**508**	--	--	2.51	<1.00	<1.00	<2.00	--	--
DPE-47	8/16/2023	**6,200**	--	--	**2,800**	<100	**940**	8.7	**1,100**	<16	--	--
DPE-47	1/30/2024	**4,500**	--	--	**5,700**	<95	**640**	9.5	530	140	--	--
DPE-47	7/31/2024	**10,000**	**6,700**	**848**	--	--	**1,060**	11.4	**1,340**	37.2	--	--
DPE-47 Dup	7/31/2024	**8,210**	**6,830**	**844**	--	--	**1,120**	11.0	**1,400**	33.2	--	--
RW-5	7/31/2024	<150	<196	<343	--	--	<1.00	<1.00	<1.00	<2.00	--	--

Notes:

-- Not analyzed.
NA Not detected above reporting limit.
U Estimated
J Extension on well nomenclature signifies well extended by SECOR 07/05
x micrograms per liter
µg/L Results in the diesel organics range are due to overlap from a gasoline range product.
(a) Chromatogram suggest this might be aged or degraded diesel.
(b) Contaminant does not appear to be typical product.
(d) The observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier and later in the DRO range
(e) The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system
(f) Due to insufficient sample size, the lab was unable to report their usual reporting limits.
(g) The values reported represent the lowest reporting limits obtainable. The observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier and later in the DRO range.
The observed sample pattern is not typical of #2 diesel fuel. It elutes in the DRO range earlier than #2 fuel.
(h) Accurate surrogate recoveries could not be determinec due to the dilution required for analysis of the sample.
The observed sample pattern is not typical of #2 fuel/diesel. The reported result is due to an individual peak(s) eluting in the DRO range.
(i) The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.
(j) Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.
(k) The concentration reported for toluene is estimated since it exceeded the calibration range of the intrument.
(l) Because only one sample vial was submitted for this analysis, a further dilted analysis could not be performed.
Insufficient water to fill all sample bottles.
(m) The reporting limits for the GC/MS volatile compounds were raised due to sample foaming.
(n) Due to excessive foaming of the sample, normal reporting limits were not attained.
(o) Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.
(p) Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.
(q) The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.
Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.
(s) MTCA Method A levels for TPH-g are 1,000 ug/l when ho benzene is present and 800 ug/l when benzene is present.
(t) Well LAIx-2 labeled LAI-2 in the analytical report and Chain-Of-Custody.
(u) Well LAIx-3 labeled LAI-2 in the analytical report and Chain-Of-Custody.
(v) Ethanol sampled 3Q08 and 1Q09
(w) The GRO value is estimated because the value is over the calibration range of the system. The sample was not reanalyzed because the hold time has expired.
(x) The GC/MS volatile results were obtained from a vial with headspace.
(y) The initial analyses of this sample were unable to be reported due to carryover issues and QC spiking
The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.
(z) The analytical data is from Acton Mickelson Environmental, Inc. sampling on 8/26/2008 and 8/27/2008.
(1) A-01 Contamination elutes between C18 and C40 and does not match any standards in TestAmerica's reference library.
(2) A-01a Contamination elutes between C8 and C18 and does not match any standards in TestAmerica's reference library.
(3) A-01b Contamination elutes between C8 and C28 and does not match any standards in TestAmerica's reference library.
(4) A-01c Contamination elutes between C8 and C40 and does not match any standards in TestAmerica's reference library.

Table 7

Groundwater Analytical Data
Phillips 66 Company
Renton Terminal
Renton, Washington

		HYDROCARBONS					PRIMARY VOCs				OXYGENATES	
Sample Location	*Date*	*TPHg*	*TPHd*	*TPHo*	*TPHd w/sgc*	*TPHo w/sgc*	*B*	*T*	*E*	*X*	*MTBE*	*Ethanol*
MTCA Method A Screening Levels:		***800***	***500***	***500***	***500***	***500***	***5***	***1,000***	***700***	***1,000***	***20***	***--***

(5) M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
(6) RL1 Reporting limit raised due to sample matrix effects.
(7) H1 = Analysis conducted outside the EPA method holding time.
(8) 2n = The internal standard response is outside the QC criteria. Results may be biased low.
(9) Sample was diluted due to the presence of high levels of target analytes.
(10) Analyte concentration exceeded the calibration range. The reported result is estimated.
(E) Result confirmed by second analysis.
(C0) Matrix Spike recovery exceeded the QC limits. Batch accepted based on laboratory control sample recovery.
(M1) This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result shoule be considered an estimate
(SS)

Appendices

Appendix A

Ecology Email, Dated November 22, 2024

From: Atkins, Vance (ECY)
To: Fabio Minervini
Cc: Shivjiani, Dhroov (ECY)
Subject: 3rd Quarter GWM and O&M Report, Renton Phillips 66 Facility
Date: Friday, November 22, 2024 9:39:52 AM

Fabio,

I've reviewed the 3rd quarter Groundwater Monitoring and O&M Report and have some comments regarding the report contents.

As reported to Ecology in July 26, 2024, LNAPL was discovered adjacent to Tank 2 on June 10, in an area that had been generally remediated for several years. The source of the LNAPL was not determined, although a new release from Tank 2 was ruled out based on observations of the tank's double bottom. The LNAPL was assumed to be residual from prior releases in the area, and not considered a new release by Phillips. A summary of Phillips' investigation, interim actions, and proposed monitoring was provided to Ecology in September, 2024. This summary should be incorporated into the report, as well, in order to document the discovery and provide a baseline for any additional remedial and monitoring actions taken at the Tank 2 area.

The September memo also reported that passive skimmers had been ordered and were be installed in wells DPE-7, DPE-8, and DPE-11 to address residual LNAPL in the wells. Please confirm that the wells were equipped and any other rehabilitation conducted to effect the LNAPL recovery.

The Isoconcentration figures (Figs 8,9, and 10) do not account for the presence of LNAPL or detected concentrations of petroleum compounds at Tank 2, and are not representative of the groundwater quality at the Site. The concentrations are reported on Figure 7, as well as on the isoconcentration figures. However, the data is not incorporated into the figures. Ecology recognizes that this release may be separate from the ongoing remediation and monitoring in the central portion of the Site, but the data needs to be presented in order to evaluate the release and determine if additional investigations are needed or new risks may emerge.

Likewise, the product forensic analysis and Tank 2 evaluation presented in the September memo should be incorporated into the report for documentation, as well as any additional findings or recommendations regarding the Tank 2 release.

We look forward to continuing to work with GHD and Phillips 66 on this issue,

Vance Atkins, LG, LHG
Hydrogeologist 4
Toxics Cleanup Program, NWRO
WA State Department of Ecology
425-324-1438 Mobile
206-594-0000 Main
vatk461@ecy.wa.gov

Appendix B

P66 Email, Dated September 23, 2024

From:	Gurian, Eli A
To:	Atkins, Vance (ECY)
Cc:	Fabio Minervini; Shaw, Jared B; Solomon, Rich; Shivjiani, Dhroov (ECY)
Subject:	RE: Phillips 66 Renton Terminal - Anomalous LNAPL Discovered in Vicinity of Tank 2
Date:	Monday, September 23, 2024 8:13:27 AM
Attachments:	image001.png image002.png P66_Renton Terminal_Site Plan.pdf P66_Renton Terminal_LNAPL Gauging Data.pdf

---

Good Morning Vance,

Below is a summary of actions taken to assess and address the anomalous LNAPL detected in three wells adjacent to Tank 2.

1. Actions taken so far:

After discovery of LNAPL in wells DPE-7, DPE-8, and DPE-11, P66 began weekly gauging of those wells in addition to other wells in the vicinity: DPE-3, DPE-6, DPE-7, DPE-8, DPE-9, DPE 10, DPE-11, and DPE-12. Except for DPE-7, -8, and -11, LNAPL has not been found in any other well gauged in the tank farm area. A table presenting the weekly gauging data and a Site Plan showing the well locations are attached. Detected LNAPL has been periodically bailed between June and September 2024, after the occurrence was first discovered. LNAPL thickness is currently 0.10 feet or less in the three wells containing LNAPL. On September 20, 2024; DPE-7, DPE-8, and DPE-11 contained 0.04, 0.10, and 0.03 feet, respectively.

P66 has made efforts to determine if the anomalous LNAPL detected in the well is due to an active release. Based on the locations of the wells containing LNAPL and the lack of subsurface infrastructure in the vicinity, the only viable source for the LNAPL, if it was a new release, would be Tank 2. P66 investigated the interstitial space between the tank's double bottom and there was no evidence of a release. This investigation involved drilling into the side of the tank in 4 locations around the perimeter and inspecting the interior of the interstitial space. There was no visual evidence of a release and there were no detections on the PID used to measure the vapor within the interstitial space. Tank throughput values were also reviewed and there was no evidence of a active release.

Based on the information we have collected, the most likely source of the LNAPL was the historical release that occurred in 2002. This could have potentially been a "pocket" of LNAPL that was mobilized due to recent groundwater elevation fluctuations. The lack of significant LNAPL recharge in the wells after recent bailing events supports this evidence.

2. Planned actions moving forward:

The soil vapor extraction (SVE) portion of the dual-phase extraction (DPE) remediation system is scheduled to be restarted on Monday, September 24, 2024 for wells in the vicinity of Tank 2 to address residual mass in the area.

Due to the reduction in LNAPL thickness from bailing and the limited recovery, passive

skimmers have been ordered and will be installed in wells DPE-7, DPE-8, and DPE-11 to address residual LNAPL in the wells.

Fluid level gauging of nearby wells to ensure there are no other anomalous LNAPL detections will continue.

Please let us know if you have any questions regarding any of the above.

Thank you,

Eli Gurian
Program Manager, Remediation Management

O: 310-952-6249 | M: 562-506-4855
1660 W. Anaheim St. | Wilmington, CA 90744
phillips66.com

From: Atkins, Vance (ECY) <VATK461@ECY.WA.GOV>
Sent: Tuesday, September 17, 2024 8:38 AM
To: Gurian, Eli A <Eli.A.Gurian@p66.com>
Cc: Fabio Minervini <Fabio.Minervini@ghd.com>; Shaw, Jared B <Jared.B.Shaw@p66.com>; Solomon, Rich <Rich.Solomon@p66.com>; Shivjiani, Dhroov (ECY) <dshi461@ECY.WA.GOV>
Subject: [EXTERNAL]RE: Phillips 66 Renton Terminal - Anomalous LNAPL Discovered in Vicinity of Tank 2

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Thank you

Vance Atkins, LG, LHG
Hydrogeologist 4
Toxics Cleanup Program, NWRO
WA State Department of Ecology
425-324-1438 Mobile
206-594-0000 Main

From: Gurian, Eli A <Eli.A.Gurian@p66.com>
Sent: Tuesday, September 17, 2024 8:06 AM
To: Atkins, Vance (ECY) <VATK461@ECY.WA.GOV>

Cc: Fabio Minervini <Fabio.Minervini@ghd.com>; Shaw, Jared B <Jared.B.Shaw@p66.com>; Solomon, Rich <Rich.Solomon@p66.com>; Shivjiani, Dhroov (ECY) <dshi461@ECY.WA.GOV>
Subject: RE: Phillips 66 Renton Terminal - Anomalous LNAPL Discovered in Vicinity of Tank 2

External Email

Good Morning Vance,

We will compile a more comprehensive summary of the investigation and remediation efforts taken to this point and our plans moving forward. I expect to get this summary to you next week.

Thanks,

Eli Gurian
Program Manager, Remediation Management

O: 310-952-6249 | M: 562-506-4855
1660 W. Anaheim St. | Wilmington, CA 90744
phillips66.com

From: Atkins, Vance (ECY) <VATK461@ECY.WA.GOV>
Sent: Monday, September 16, 2024 1:39 PM
To: Gurian, Eli A <Eli.A.Gurian@p66.com>
Cc: Fabio Minervini <Fabio.Minervini@ghd.com>; Shaw, Jared B <Jared.B.Shaw@p66.com>; Solomon, Rich <Rich.Solomon@p66.com>; Shivjiani, Dhroov (ECY) <dshi461@ECY.WA.GOV>
Subject: [EXTERNAL]RE: Phillips 66 Renton Terminal - Anomalous LNAPL Discovered in Vicinity of Tank 2

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Thank you for the update. If this isn't a new release, what is the source? Because of the LNAPL detection, it still requires assessment/definition to confirm. What are the ongoing remedial actions taken at this point? The original detection occurred in July, so a more comprehensive update would be appreciated.

Vance Atkins, LG, LHG
Hydrogeologist 4
Toxics Cleanup Program, NWRO

WA State Department of Ecology
425-324-1438 Mobile
206-594-0000 Main

From: Gurian, Eli A <Eli.A.Gurian@p66.com>
Sent: Tuesday, September 3, 2024 10:36 AM
To: Atkins, Vance (ECY) <VATK461@ECY.WA.GOV>
Cc: Fabio Minervini <Fabio.Minervini@ghd.com>; Shaw, Jared B <Jared.B.Shaw@p66.com>; Solomon, Rich <Rich.Solomon@p66.com>; Shivjiani, Dhroov (ECY) <dshi461@ECY.WA.GOV>
Subject: RE: Phillips 66 Renton Terminal - Anomalous LNAPL Discovered in Vicinity of Tank 2

External Email

Good Morning Vance,

After completing a thorough inspection of Tank 2, there is no evidence of a new release from the tank. The interstitial space between the double bottom was inspected in four locations and there were no detectable vapors or free liquid and PID readings were 0.0 ppm.

Based on this investigation we will not be submitting notification of a new release.

We will continue our enhanced monitoring of the groundwater in the vicinity of the tank in the event of future anomalous detections.

Please let me know if you need more information.

Thank you,

Eli Gurian
Program Manager, Remediation Management

O: 310-952-6249 | M: 562-506-4855
1660 W. Anaheim St. | Wilmington, CA 90744
phillips66.com

From: Gurian, Eli A
Sent: Tuesday, August 13, 2024 2:56 PM
To: Atkins, Vance (ECY) <VATK461@ECY.WA.GOV>
Cc: Fabio Minervini <Fabio.Minervini@ghd.com>; Shaw, Jared B <Jared.B.Shaw@p66.com>; Solomon, Rich <Rich.Solomon@p66.com>; Shivjiani, Dhroov (ECY) <dshi461@ECY.WA.GOV>

Subject: RE: Phillips 66 Renton Terminal - Anomalous LNAPL Discovered in Vicinity of Tank 2

Good Afternoon Vance,

Thank you for the information regarding the Environmental Reports Tracking System. We would like to wait until our assessment of the tank is completed in a couple weeks before submitting this recent LNAPL finding as a potential new release. If the tank is found to be uncompromised then it is likely that a new release is not ongoing and/or there could be another source of the LNAPL.

Thank you,

Eli Gurian
Program Manager, Remediation Management

O: 310-952-6249 | M: 562-506-4855
1660 W. Anaheim St. | Wilmington, CA 90744
phillips66.com

From: Atkins, Vance (ECY) <VATK461@ECY.WA.GOV>
Sent: Monday, August 12, 2024 2:17 PM
To: Gurian, Eli A <Eli.A.Gurian@p66.com>
Cc: Fabio Minervini <Fabio.Minervini@ghd.com>; Shaw, Jared B <Jared.B.Shaw@p66.com>; Solomon, Rich <Rich.Solomon@p66.com>; Shivjiani, Dhroov (ECY) <dshi461@ECY.WA.GOV>
Subject: [EXTERNAL]RE: Phillips 66 Renton Terminal - Anomalous LNAPL Discovered in Vicinity of Tank 2

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Eli,

Thanks for the update. We understand that Phillips and their consultant as assessing the release and that the source definition is ongoing. Because contamination (LNAPL) was identified in existing wells on Site in a location that was previously remediated, we recommend reporting the release through Ecology's Environmental Reports Tracking System: https://ecology.wa.gov/footer-pages/report-an-environmental-issue/statewide-reporting-form-erts

The report should note that the release occurred on an existing MTCA site.

Please feel free to contact me if you have any questions or want to discuss.

Thanks,

Vance Atkins, LG, LHG
Hydrogeologist 4
Toxics Cleanup Program, NWRO
WA State Department of Ecology
425-324-1438 Mobile
206-594-0000 Main

From: Gurian, Eli A <Eli.A.Gurian@p66.com>
Sent: Thursday, August 8, 2024 2:34 PM
To: Atkins, Vance (ECY) <VATK461@ECY.WA.GOV>
Cc: Fabio Minervini <Fabio.Minervini@ghd.com>; Shaw, Jared B <Jared.B.Shaw@p66.com>; Solomon, Rich <Rich.Solomon@p66.com>; Shivjiani, Dhroov (ECY) <dshi461@ECY.WA.GOV>
Subject: RE: Phillips 66 Renton Terminal - Anomalous LNAPL Discovered in Vicinity of Tank 2

External Email

Good Afternoon Vance,

To provide a brief update on this matter, P66 is going to be inspecting the interstitial space between the two Tank 2 bottoms the week of 8/26. We will be able to provide an update on the findings after that work is completed. In the meantime, additional gauging has shown no other wells with anomalous data in the vicinity of Tank 2.

Please let me know if you need more information.

Thanks,

Eli Gurian
Program Manager, Remediation Management

O: 310-952-6249 | M: 562-506-4855
1660 W. Anaheim St. | Wilmington, CA 90744
phillips66.com

From: Atkins, Vance (ECY) <VATK461@ECY.WA.GOV>
Sent: Wednesday, July 31, 2024 10:54 AM
To: Gurian, Eli A <Eli.A.Gurian@p66.com>
Cc: Fabio Minervini <Fabio.Minervini@ghd.com>; Shaw, Jared B <Jared.B.Shaw@p66.com>; Solomon, Rich <Rich.Solomon@p66.com>; Shivjiani, Dhroov (ECY) <dshi461@ECY.WA.GOV>
Subject: [EXTERNAL]RE: Phillips 66 Renton Terminal - Anomalous LNAPL Discovered in Vicinity of Tank 2

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Thank you for the update. Please keep me posted regarding interim actions and additional data as it is available.

Vance Atkins, LG, LHG
Hydrogeologist 4
Toxics Cleanup Program, NWRO
WA State Department of Ecology
425-324-1438 Mobile
206-594-0000 Main

From: Gurian, Eli A <Eli.A.Gurian@p66.com>
Sent: Wednesday, July 31, 2024 9:40 AM
To: Atkins, Vance (ECY) <VATK461@ECY.WA.GOV>
Cc: Fabio Minervini <Fabio.Minervini@ghd.com>; Shaw, Jared B <Jared.B.Shaw@p66.com>; Solomon, Rich <Rich.Solomon@p66.com>
Subject: Phillips 66 Renton Terminal - Anomalous LNAPL Discovered in Vicinity of Tank 2

External Email

Good Morning Vance,

Anomalous LNAPL was detected last month in three inactive recovery wells in the vicinity of Tank 2 at the Phillips 66 Renton Terminal. Samples sent to a third-party lab and to our internal research group have shown that the LNAPL is likely fresher than what would be expected from LNAPL sourced from the 2002 release at Tank 2. We are continuing our investigation into whether this was from a subsequent historic release or from a potential ongoing release. Terminal Operations is looking into inspecting various aspects of the tank and we will continue additional monitoring of wells in the vicinity of the tank. We will also reactivate the recovery wells to recover the LNAPL. At this time,

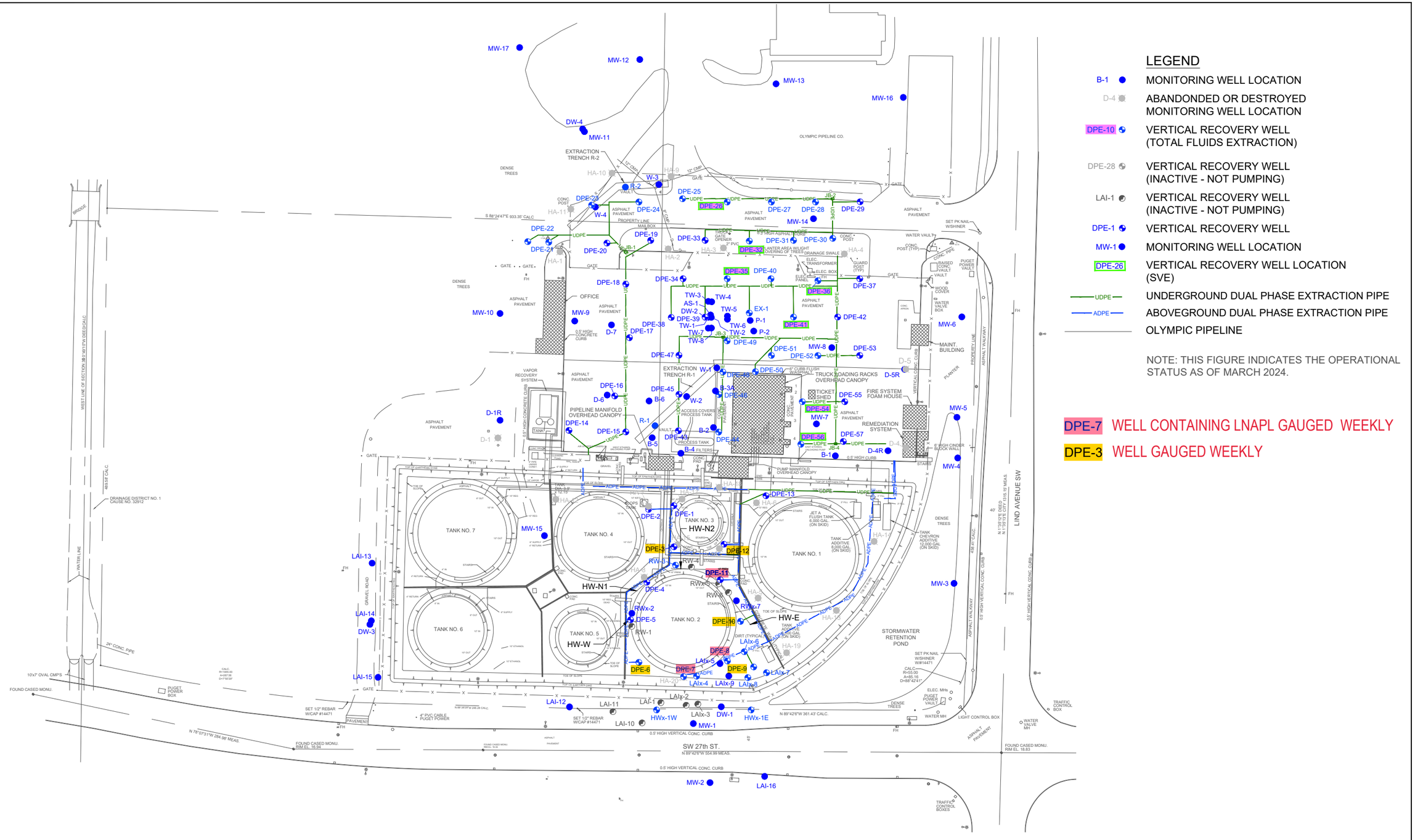
except for the three recovery wells, there is no other LNAPL detected in the vicinity of the tank. We will provide a further update when we have better understanding of the source of this LNAPL.

Please let me know if you have any questions.

Thanks,

Eli Gurian
Program Manager, Remediation Management

O: 310-952-6249 | M: 562-506-4855
1660 W. Anaheim St. | Wilmington, CA 90744
phillips66.com



Filename: N:\US\Irvine\Projects\561\12632944\Digital_Design\ACAD\Figures\RPT002\12632944-GHD-00-00-RPT-EN-D103_WA-002.dwg
Plot Date: 31 July 2024 5:24 PM

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

Project No. **12632944**
Date **July 2024**

SITE PLAN WITH ACTIVE REMEDIATION LOCATIONS

FIGURE 2B

Data Source STATEWIDE LAND SURVEYING INC., DATED 01/26/2012.

Phillips 66 Renton Terminal
LNAPL Weekly Gauging Data

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-3	7/12/16	11.41	17.25	5.84
DPE-3	11/15/16	NP	8.44	0.00
DPE-3	2/13/17	7.95	14.21	6.26
DPE-3	5/15/17	9.24	15.33	6.09
DPE-3	5/24/17	8.84	9.18	0.34
DPE-3	7/11/17	11.42	11.43	0.01
DPE-3	9/26/17	13.25	13.47	0.22
DPE-3	12/11/17	NP	9.28	0.00
DPE-3	2/26/18	11.29	11.34	0.05
DPE-3	6/11/18	14.25	14.27	0.02
DPE-3	12/17/18	NP	9.66	0.00
DPE-3	9/23/19	NP	10.63	0.00
DPE-3	2/24/20	NP	8.89	0.00
DPE-3	6/10/24	NP	-	0.00
DPE-3	8/7/24	NP	10.82	0.00
DPE-3	8/12/24	NP	10.97	0.00
DPE-3	8/27/24	NP	11.17	0.00
DPE-3	9/20/24	NP	11.00	0.00
DPE-6	7/8/16	NP	14.15	0.00
DPE-6	7/11/17	NP	13.98	0.00
DPE-6	6/11/18	NP	13.12	0.00
DPE-6	9/23/19	12.10	12.11	0.01
DPE-6	9/16/20	NP	13.63	0.00
DPE-6	6/10/24	NP	-	0.00
DPE-6	7/26/24	NP	12.24	0.00
DPE-6	7/29/24	NP	12.17	0.00
DPE-6	8/7/24	NP	12.46	0.00
DPE-6	8/12/24	NP	12.62	0.00
DPE-6	8/27/24	NP	12.41	0.00
DPE-6	9/10/24	NP	12.35	0.00
DPE-6	9/20/24	NP	12.40	0.00

Phillips 66 Renton Terminal
LNAPL Weekly Gauging Data

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-7	7/8/16	NP	14.11	0.00
DPE-7	7/11/17	13.97	14.36	0.39
DPE-7	6/11/18	NP	13.58	0.00
DPE-7	9/23/19	NP	13.01	0.00
DPE-7	9/16/20	NP	14.72	0.00
DPE-7	6/10/24	12.40	14.40	2.00
DPE-7	6/25/24	13.15	13.50	0.35
DPE-7	6/27/24	13.21	13.55	0.34
DPE-7	6/27/24	14.22	14.31	0.09
DPE-7	7/1/24	13.41	13.52	0.11
DPE-7	7/11/24	13.15	13.50	0.35
DPE-7	7/17/24	--	--	0.10
DPE-7	7/26/24	14.30	14.34	0.04
DPE-7	7/29/24	14.08	14.13	0.05
DPE-7	8/7/24	14.37	14.43	0.06
DPE-7	8/7/24	15.43	15.45	0.02
DPE-7	8/12/24	14.38	14.41	0.03
DPE-7	8/12/24	14.90	14.91	0.01
DPE-7	8/27/24	14.82	14.85	0.03
DPE-7	9/5/24	13.94	13.98	0.04
DPE-7	9/10/24	13.95	14.01	0.06
DPE-7	9/20/24	13.99	14.03	0.04
DPE-8	1/28/16	NP	6.83	0.00
DPE-8	2/2/16	NP	7.03	0.00
DPE-8	7/8/16	sheen	13.46	0.00
DPE-8	7/11/17	NP	18.96	0.00
DPE-8	6/11/18	15.72	15.76	0.04
DPE-8	9/23/19	NP	11.51	0.00
DPE-8	9/16/20	NP	12.64	0.00
DPE-8	6/10/24	9.40	13.75	4.35
DPE-8	6/25/24	9.93	12.72	2.79
DPE-8	6/27/24	10.07	12.86	2.79
DPE-8	6/27/24	12.60	12.98	0.38
DPE-8	7/1/24	10.49	11.28	0.79
DPE-8	7/11/24	10.83	11.65	0.82
DPE-8	7/17/24	--	--	0.72
DPE-8	7/26/24	11.21	11.99	0.78
DPE-8	7/29/24	11.16	11.93	0.77
DPE-8	8/7/24	11.40	12.18	0.78
DPE-8	8/7/24	12.96	13.11	0.15
DPE-8	8/12/24	11.48	11.67	0.19
DPE-8	8/12/24	12.21	12.28	0.07
DPE-8	8/27/24	11.41	11.68	0.27
DPE-8	9/5/24	11.33	11.54	0.21
DPE-8	9/5/24	12.04	12.14	0.10
DPE-8	9/10/24	11.33	11.43	0.10
DPE-8	9/20/24	11.45	11.55	0.10

Phillips 66 Renton Terminal
LNAPL Weekly Gauging Data

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-9	1/28/16	NP	7.92	0.00
DPE-9	2/2/16	NP	6.93	0.00
DPE-9	7/8/16	NP	14.19	0.00
DPE-9	7/11/17	NP	18.39	0.00
DPE-9	6/11/18	NP	16.02	0.00
DPE-9	9/23/19	NP	12.91	0.00
DPE-9	6/10/24	NP	-	0.00
DPE-9	7/26/24	NP	11.91	0.00
DPE-9	7/29/24	NP	11.85	0.00
DPE-9	8/7/24	NP	12.01	0.00
DPE-9	8/12/24	NP	12.13	0.00
DPE-9	8/27/24	NP	12.00	0.00
DPE-9	9/10/24	NP	11.82	0.00
DPE-9	9/20/24	NP	11.86	0.00
DPE-10	7/12/16	NP	14.86	0.00
DPE-10	7/11/17	NP	19.01	0.00
DPE-10	6/11/18	NP	16.19	0.00
DPE-10	12/17/18	NP	12.21	0.00
DPE-10	9/23/19	NP	13.00	0.00
DPE-10	9/1/22	NP	13.90	0.00
DPE-10	2/20/23	NP	10.32	0.00
DPE-10	8/4/23	NP	12.09	0.00
DPE-10	1/29/24	NP	9.14	0.00
DPE-10	6/10/24	NP	-	0.00
DPE-10	7/17/24	--	--	0.00
DPE-10	7/26/24	NP	11.58	0.00
DPE-10	7/29/24	NP	11.66	0.00
DPE-10	8/7/24	NP	11.84	0.00
DPE-10	8/12/24	NP	11.96	0.00
DPE-10	8/27/24	NP	12.09	0.00
DPE-10	9/20/24	NP	11.93	0.00

Phillips 66 Renton Terminal
LNAPL Weekly Gauging Data

Well	Date	Depth to LNAPL (ft. bgs)	Depth to water (ft. bgs)	LNAPL Thickness (ft)
DPE-11	7/12/16	NP	14.02	0.00
DPE-11	11/15/16	11.25	11.31	0.06
DPE-11	2/13/17	11.21	11.56	0.35
DPE-11	5/24/17	NP	13.11	0.00
DPE-11	7/11/17	NP	12.84	0.00
DPE-11	12/11/17	NP	10.27	0.00
DPE-11	2/26/18	NP	11.91	0.00
DPE-11	6/11/18	NP	17.97	0.00
DPE-11	12/17/18	NP	10.36	0.00
DPE-11	9/23/19	NP	12.46	0.00
DPE-11	9/16/20	13.90	14.07	0.17
DPE-11	2/20/23	11.82	11.92	0.10
DPE-11	8/14/23	13.45	13.55	0.10
DPE-11	1/29/24	9.25	9.42	0.17
DPE-11	6/10/24	10.80	11.10	0.30
DPE-11	6/27/24	11.21	11.52	0.31
DPE-11	7/11/24	12.05	12.36	0.31
DPE-11	7/17/24	--	--	0.08
DPE-11	7/26/24	12.98	13.08	0.10
DPE-11	7/29/24	12.74	12.84	0.10
DPE-11	8/12/24	13.20	13.28	0.08
DPE-11	8/12/24	14.17	14.18	0.01
DPE-11	8/27/24	13.04	13.06	0.02
DPE-11	9/5/24	12.97	13.00	0.03
DPE-11	9/10/24	12.86	12.90	0.04
DPE-11	9/20/24	12.90	12.93	0.03
DPE-12	7/12/16	NP	12.11	0.00
DPE-12	11/15/16	NP	8.91	0.00
DPE-12	2/13/17	7.71	7.73	0.02
DPE-12	5/24/17	11.38	11.71	0.33
DPE-12	7/11/17	NP	10.47	0.00
DPE-12	9/26/17	NP	12.85	0.00
DPE-12	12/11/17	NP	6.15	0.00
DPE-12	2/26/18	NP	8.88	0.00
DPE-12	6/11/18	NP	11.01	0.00
DPE-12	12/17/18	NP	7.98	0.00
DPE-12	9/23/19	NP	10.23	0.00
DPE-12	9/16/20	NP	11.40	0.00
DPE-12	6/10/24	NP	-	0.00
DPE-12	7/26/24	NP	10.81	0.00
DPE-12	7/29/24	NP	10.75	0.00
DPE-12	8/12/24	NP	11.27	0.00
DPE-12	8/27/24	NP	11.30	0.00
DPE-12	9/20/24	NP	11.12	0.00

Appendix C

Friedman & Bruya LNAPL Sample Analysis

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

July 11, 2024

Rosemary Bier, Project Manager
GHD
9725 3rd Avenue NE Ste 204
Seattle, WA 98115

Dear Ms Bier:

Included are the results from the testing of material submitted on June 27, 2024 from the P66 Renton Terminal 12632944-2024-05FBI, F&BI 406422 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Fabio Minervini
GHD0711R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 27, 2024 by Friedman & Bruya, Inc. from the GHD P66 Renton Terminal 12632944-2024-05FBI, F&BI 406422 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	GHD
406422 -01	SPH-062724-DPE7
406422 -02	SPH-062724-DPE8

The NWTPH-HCID chromatograms indicate the presence of a low boiling product, such as gasoline, in the samples SPH-062724-DPE7 and SPH-062724-DPE8. The pattern of peaks associated with the samples shows that the gasoline has not undergone significant evaporative or biological weathering.

All quality control requirements were acceptable.

Date of Report: 07/11/24
Date Received: 06/27/24
Project: P66 Renton Terminal 12632944-2024-05FBI, F&BI 406422
Date Extracted: 07/03/24
Date Analyzed: 07/03/24

RESULTS FROM THE ANALYSIS OF PRODUCT SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID

Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 50-150)
SPH-062724-DPE7 406422-01 1/10	D	ND	ND	95
SPH-062724-DPE8 406422-02 1/10	D	ND	ND	87
Method Blank 04-1541 MB	ND	ND	ND	95

ND - Material not detected at or above 2,000 mg/kg gas, 5,000 mg/kg diesel and 25,000 mg/kg heavy oil.

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

406422

SAMPLE CHAIN OF CUSTODY

06/27/24 P

Page # 1 of 1

Report To Rosemary Bier

Company GHD Services Inc.

Address 9725 3rd Avenue NE, Ste 204

City, State, ZIP Seattle, WA 98115

Phone (206)802-1595 Email rosemary.bier@ghd.com fabio.minervini@ghd.com

SAMPLERS (*signature*): Abby Palmgren

PROJECT NAME: P66 Renton Terminal

PO #: 12632944-2024-05 FBI

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: accountspayableUS@ghd.com

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	NWTPH-HCID				Notes
SPH-062724-DPE7	01 A-B	6/27/24	0950	G	2								X				
SPH-062724-DPE8	02 ↓	6/27/24	0928	G	2								X				
																	Samples received at 0 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Abby Palmgren		GHD	6/27/24	1515
Received by:	Michael Eglehl	FG Bn	6/27/24	1515
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 406422 CLIENT GHD INITIALS/ DATE: AP 06/27/24

If custody seals are present on cooler, are they intact? ☑ NA ☐ YES ☐ NO

Cooler/Sample temperature Ø °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☑ YES ☐ NO

How did samples arrive?
☑ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody* (COC)? ☑ YES ☐ NO **Initials/ Date:** AP 06/27/24
*or other representative documents, letters, and/or shipping memos

Number of days samples have been sitting prior to receipt at laboratory Ø days

Are the samples clearly identified? (explain "no" answer below) ☑ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☑ YES ☐ NO

Were appropriate sample containers used? ☑ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☑ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?
(explain "no" answer below)

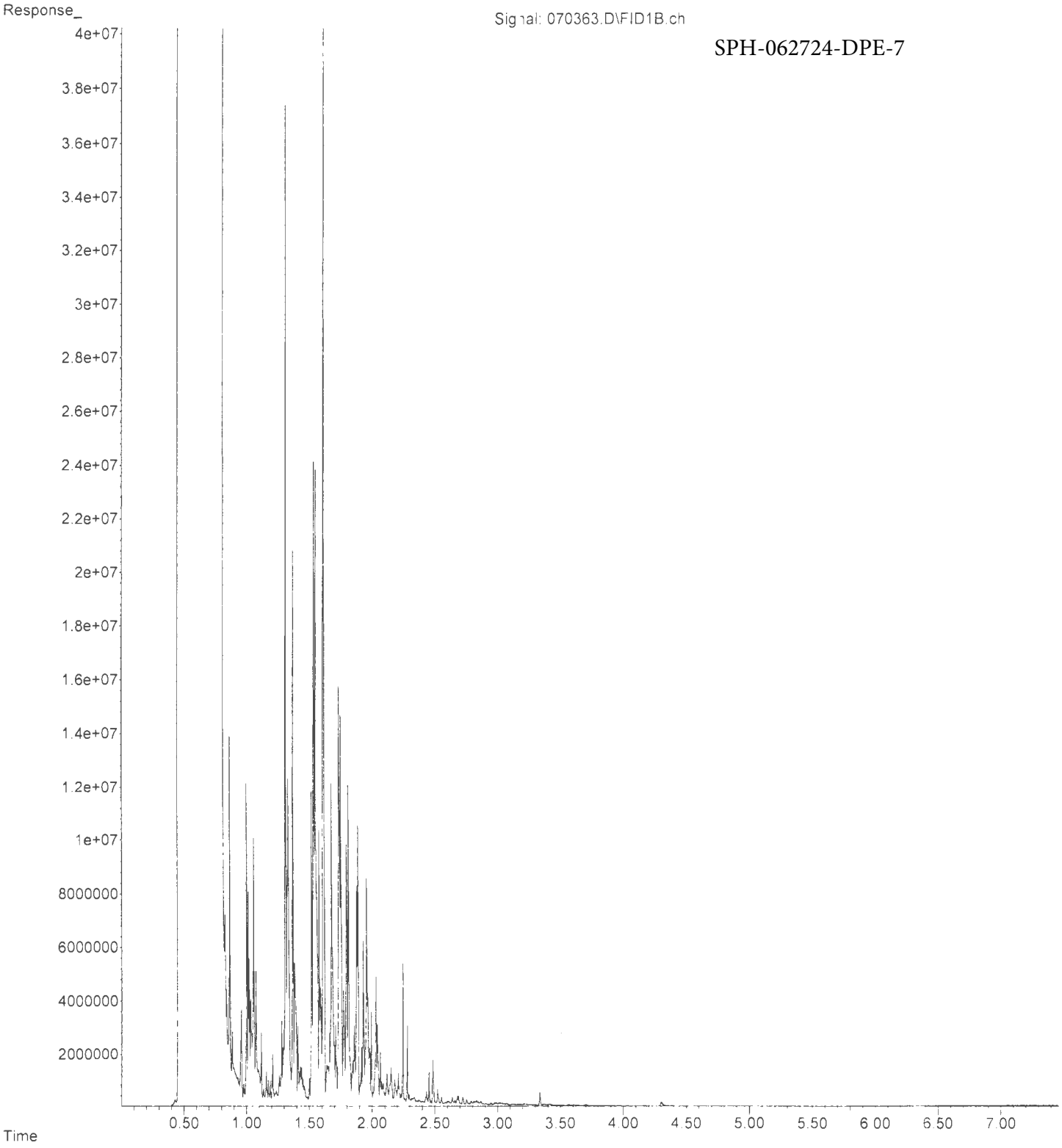
Sample ID's	☑ Yes ☐ No	☐ Not on COC/label
Date Sampled	☑ Yes ☐ No	☐ Not on COC/label
Time Sampled	☑ Yes ☐ No	☐ Not on COC/label
# of Containers	☑ Yes ☐ No	
Relinquished	☑ Yes ☐ No	
Requested analysis	☑ Yes ☐ On Hold	

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☑ NA ☐ YES ☐ NO

Number of unused TO15 canisters _____ **Number of unused TO17 tubes** _____

File :P:\Proc_GC14\07-03-24\070363.D
Operator : IJL
Acquired : 04 Jul 2024 01:55 am using AcqMethod D[illegible].M
Instrument : GC14
Sample Name: 406422-01 1/10
Misc Info : ERR
Vial Number: 53



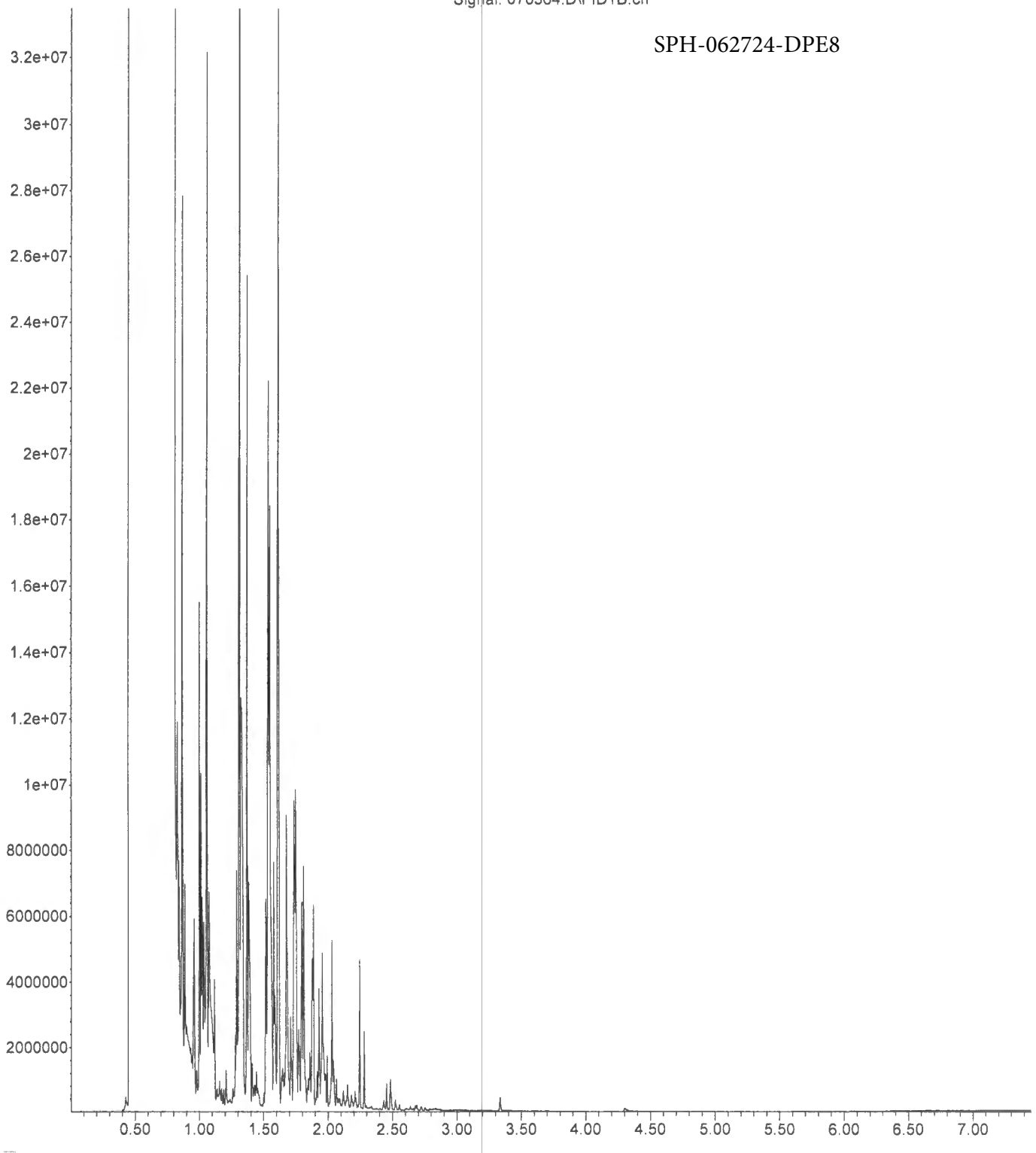
File :P:\Proc_GC14\07-03-24\070364.D
Operator : IJL
Acquired : 04 Jul 2024 02:07 am using AcqMethod DX.M
Instrument : GC14
Sample Name: 406422-02 1/10
Misc Info :
Vial Number: 54

ERR

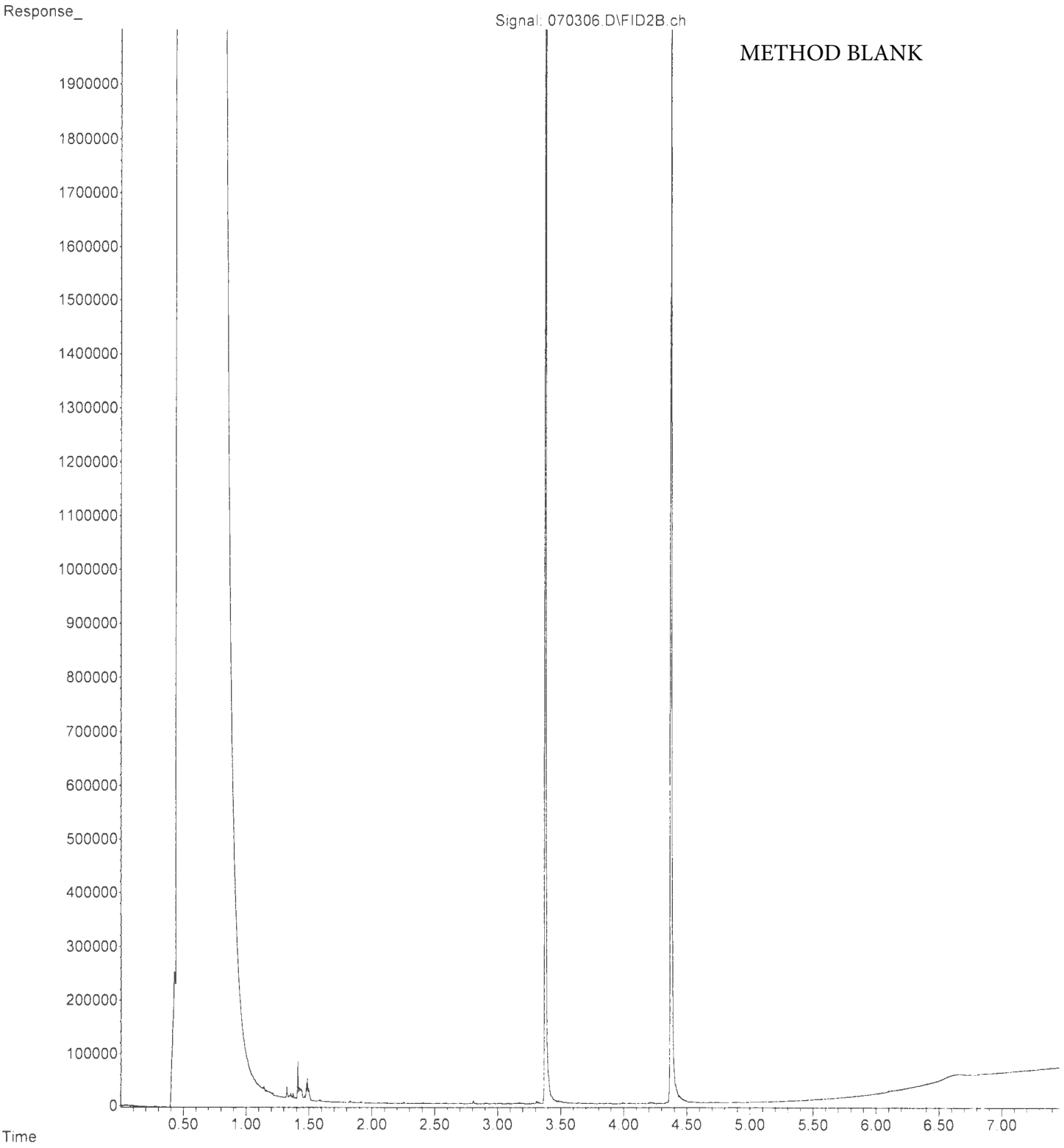
Response_

Signal: 070364.D\FID1B.ch

SPH-062724-DPE8

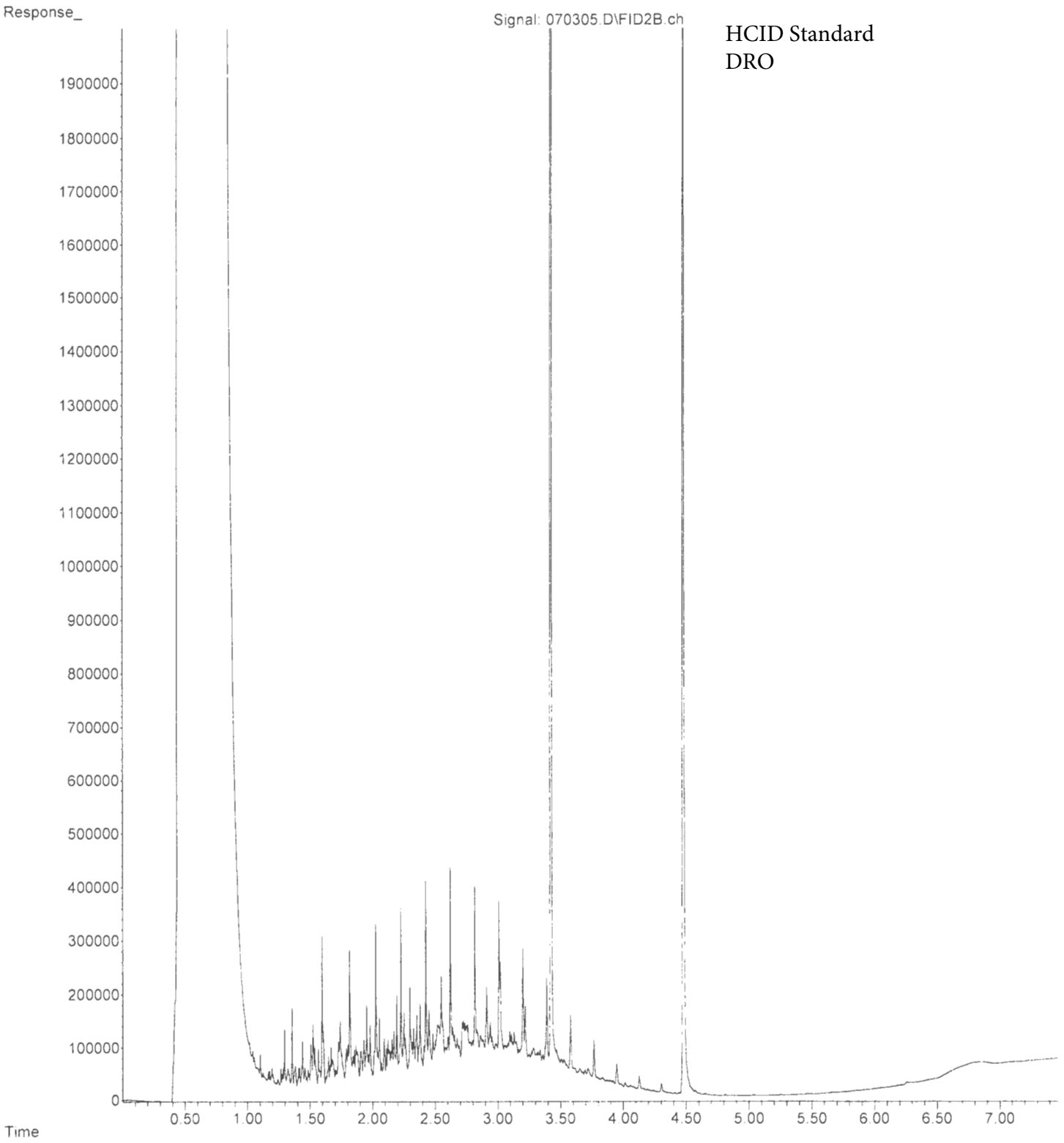


File :P:\Proc_GC14\07-03-24\070306.D
Operator : IJL
Acquired : 03 Jul 2024 12:16 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: 04-1541 mb
Misc Info : ERR
Vial Number: 6



METHOD BLANK

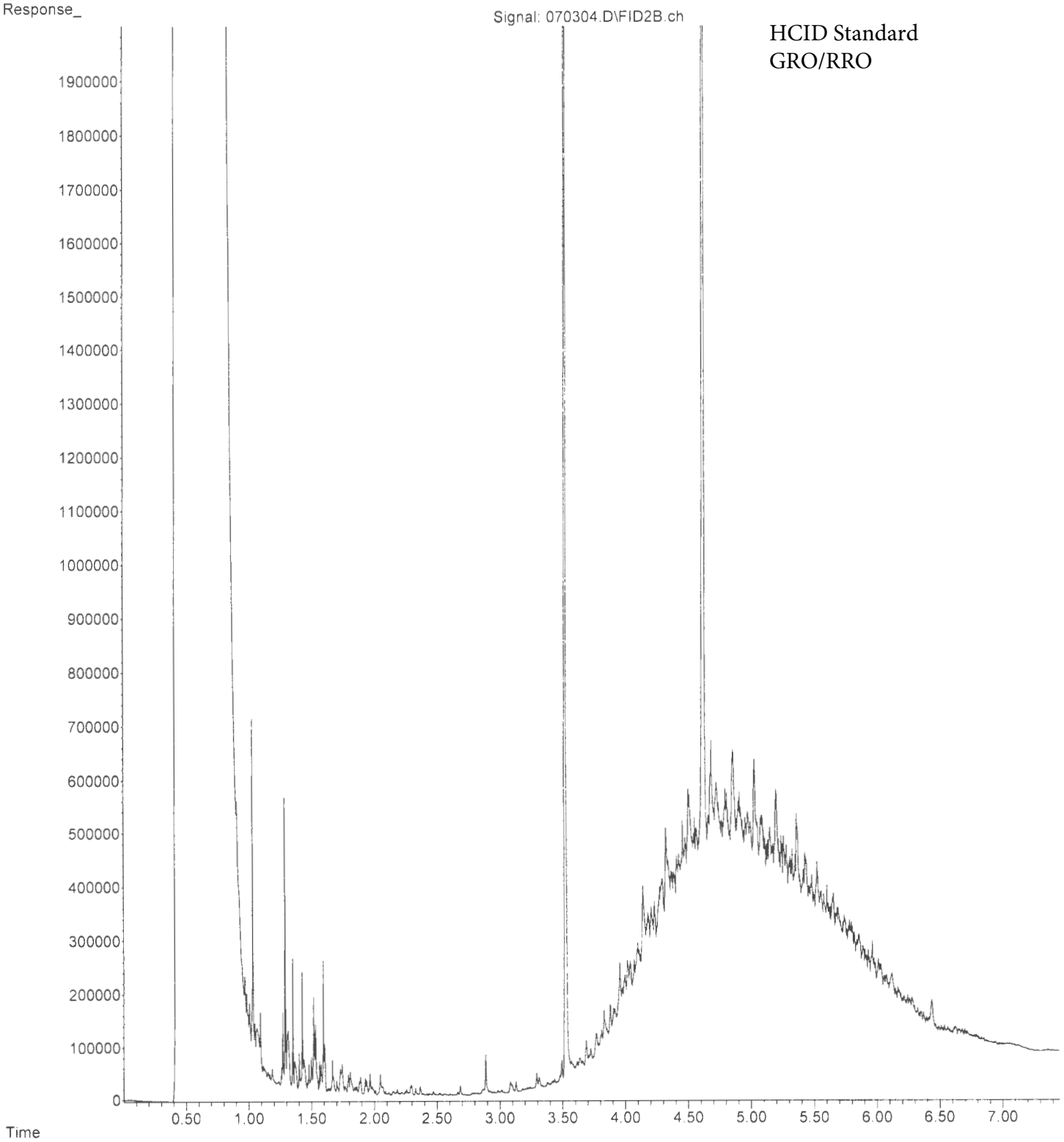
File :P:\Proc_GC14\07-03-24\070305.D
Operator : IJL
Acquired : 03 Jul 2024 12:04 pm using AcqMethod DX.M
Instrument : GC14
Sample Name: HCIDs Dx 71-152E
Misc Info : ERR
Vial Number: 97



HCID Standard
DRO

File :P:\Proc_GC14\07-03-24\070304.D
Operator : IJL
Acquired : 03 Jul 2024 11:52 am using AcqMethod DX.M
Instrument : GC14
Sample Name: HCIDs G/M 72-32A
Misc Info :
Vial Number: 96

ERR



HCID Standard
GRO/RRO

Appendix D

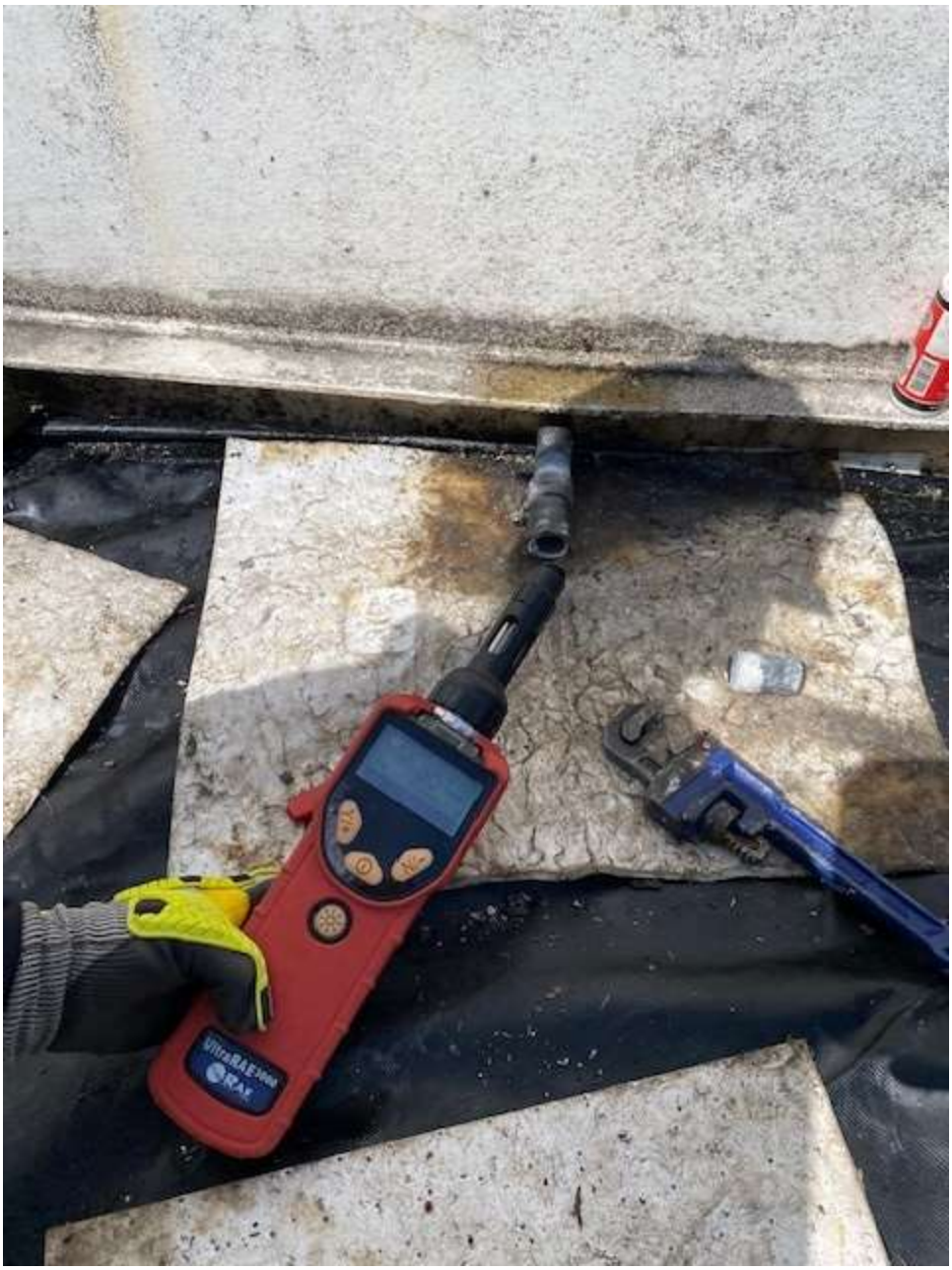
Photolog of Tank No.2 Interstitial Space Investigation

Tank No. 02 - Interstitial Space Sample Locations

Renton Tank 2 – Leak Detection Port Install: 8/27/2024 Photo Log

Description: Pilot Hole 1 - Testing of interstitial space via 4-gas monitor. (Secondary containment, absorbent pad, use of cutting oil.)

Description: Pilot hole has been tapped to ¾” to allow for insertion of leak detection port. (Visible liquid/ associated staining is cutting oil, used during the drilling/ tapping process).



Description: GHD conducting screening via a PID. (Absorbent towels with cutting oil in secondary containment depicted).

Description: Installed/ completed leak detection port assembly.

Note: The above process was repeated for install of each of the four leak detection ports.

Leak Detection Port No. 1:

Leak Detection Port No. 2:

Leak Detection Port No. 3:

Leak Detection Port No. 4:

120 BBL Vac Truck on Standby:

Appendix E

O&M Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/30/2024 1:25:48 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12632944

JOB NUMBER

570-192597-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

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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7/30/2024 1:25:48 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. Job ID: 570-192597-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Glossary

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

Job Narrative
570-192597-1

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

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

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

Receipt
The samples were received on 7/23/2024 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 22.0°C.

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

Air - GC VOA
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.
Job ID: 570-192597-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Client Sample ID: A-072224-AP-INF
Lab Sample ID: 570-192597-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	99		1.0		ppb v/v	2		TO-15	Total/NA
Ethylbenzene	22		1.0		ppb v/v	2		TO-15	Total/NA
o-Xylene	67		1.0		ppb v/v	2		TO-15	Total/NA
m,p-Xylene	170		4.0		ppb v/v	2		TO-15	Total/NA
Toluene	76		1.0		ppb v/v	2		TO-15	Total/NA
Xylenes, Total	240		5.0		ppb v/v	2		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	11		1.0		ppm v/v	1		TO3	Total/NA

Client Sample ID: A-072224-AP-EFF
Lab Sample ID: 570-192597-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	0.74		0.50		ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client: GHD Services Inc.
Job ID: 570-192597-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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

Client Sample ID: A-072224-AP-INF
Lab Sample ID: 570-192597-1
Date Collected: 07/22/24 14:25
Matrix: Air
Date Received: 07/23/24 09:15
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**99**		1.0		ppb v/v			07/24/24 11:31	2
Ethylbenzene	**22**		1.0		ppb v/v			07/24/24 11:31	2
o-Xylene	**67**		1.0		ppb v/v			07/24/24 11:31	2
m,p-Xylene	**170**		4.0		ppb v/v			07/24/24 11:31	2
Toluene	**76**		1.0		ppb v/v			07/24/24 11:31	2
Xylenes, Total	**240**		5.0		ppb v/v			07/24/24 11:31	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 132*		*07/24/24 11:31*	*2*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*07/24/24 11:31*	*2*
Toluene-d8 (Surr)	*91*		*70 - 130*		*07/24/24 11:31*	*2*

Client Sample ID: A-072224-AP-EFF
Lab Sample ID: 570-192597-2
Date Collected: 07/22/24 14:45
Matrix: Air
Date Received: 07/23/24 09:15
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.74**		0.50		ppb v/v			07/24/24 10:44	1
Ethylbenzene	ND		0.50		ppb v/v			07/24/24 10:44	1
o-Xylene	ND		0.50		ppb v/v			07/24/24 10:44	1
m,p-Xylene	ND		2.0		ppb v/v			07/24/24 10:44	1
Toluene	ND		0.50		ppb v/v			07/24/24 10:44	1
Xylenes, Total	ND		2.5		ppb v/v			07/24/24 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 132*		*07/24/24 10:44*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*07/24/24 10:44*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*07/24/24 10:44*	*1*

Client: GHD Services Inc. Job ID: 570-192597-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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

Client Sample ID: A-072224-AP-INF **Lab Sample ID: 570-192597-1**
Date Collected: 07/22/24 14:25 **Matrix: Air**
Date Received: 07/23/24 09:15
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	**11**		1.0		ppm v/v			07/23/24 17:43	1

Client Sample ID: A-072224-AP-EFF **Lab Sample ID: 570-192597-2**
Date Collected: 07/22/24 14:45 **Matrix: Air**
Date Received: 07/23/24 09:15
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0		ppm v/v			07/24/24 11:22	1

Surrogate Summary

Client: GHD Services Inc.
Job ID: 570-192597-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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

Matrix: Air
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(66-132)	(70-130)	(70-130)
570-192597-1	A-072224-AP-INF	102	102	91
570-192597-2	A-072224-AP-EFF	97	105	95
LCS 570-463037/3	Lab Control Sample	95	93	99
LCSD 570-463037/4	Lab Control Sample Dup	95	92	99
MB 570-463037/6	Method Blank	98	100	99

Surrogate Legend

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

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

Lab Sample ID: MB 570-463037/6
Matrix: Air
Analysis Batch: 463037

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			07/23/24 16:49	1
Ethylbenzene	ND		0.50		ppb v/v			07/23/24 16:49	1
o-Xylene	ND		0.50		ppb v/v			07/23/24 16:49	1
m,p-Xylene	ND		2.0		ppb v/v			07/23/24 16:49	1
Toluene	ND		0.50		ppb v/v			07/23/24 16:49	1
Xylenes, Total	ND		2.5		ppb v/v			07/23/24 16:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 132*		*07/23/24 16:49*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*07/23/24 16:49*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*07/23/24 16:49*	*1*

Lab Sample ID: LCS 570-463037/3
Matrix: Air
Analysis Batch: 463037

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	24.89		ppb v/v		100	68 - 134		
Ethylbenzene			25.0	24.09		ppb v/v		96	70 - 130		
o-Xylene			25.0	22.87		ppb v/v		91	68 - 130		
m,p-Xylene			50.0	47.55		ppb v/v		95	70 - 130		
Toluene			25.0	24.08		ppb v/v		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 132*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 570-463037/4
Matrix: Air
Analysis Batch: 463037

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	24.07		ppb v/v		96	68 - 134	3	25
Ethylbenzene			25.0	22.55		ppb v/v		90	70 - 130	7	25
o-Xylene			25.0	22.06		ppb v/v		88	68 - 130	4	25
m,p-Xylene			50.0	45.03		ppb v/v		90	70 - 130	5	25
Toluene			25.0	22.85		ppb v/v		91	70 - 130	5	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 132*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 570-463207/3 — **Client Sample ID: Method Blank**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 463207

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0		ppm v/v			07/23/24 15:55	1

Lab Sample ID: LCS 570-463207/2 — **Client Sample ID: Lab Control Sample**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 463207

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C6-C12)			100	101.9		ppm v/v		102	80 - 120		

Lab Sample ID: 570-192597-1 DU — **Client Sample ID: A-072224-AP-INF**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 463207

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Organics (C6-C12)	11			10.62		ppm v/v				0.6	20

QC Association Summary

Client: GHD Services Inc.
Job ID: 570-192597-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Air - GC/MS VOA

Analysis Batch: 463037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-192597-1	A-072224-AP-INF	Total/NA	Air	TO-15	
570-192597-2	A-072224-AP-EFF	Total/NA	Air	TO-15	
MB 570-463037/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-463037/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-463037/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 463207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-192597-1	A-072224-AP-INF	Total/NA	Air	TO3	
570-192597-2	A-072224-AP-EFF	Total/NA	Air	TO3	
MB 570-463207/3	Method Blank	Total/NA	Air	TO3	
LCS 570-463207/2	Lab Control Sample	Total/NA	Air	TO3	
570-192597-1 DU	A-072224-AP-INF	Total/NA	Air	TO3	

Lab Chronicle

Client: GHD Services Inc. Job ID: 570-192597-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Client Sample ID: A-072224-AP-INF — Lab Sample ID: 570-192597-1

Date Collected: 07/22/24 14:25 — **Matrix: Air**
Date Received: 07/23/24 09:15

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		2	250 mL	250 mL	463037	07/24/24 11:31	UHOG	EET CAL 4
	Instrument ID: GCMSII									
Total/NA	Analysis	TO3		1	10 mL	10 mL	463207	07/23/24 17:43	F5GP	EET CAL 4
	Instrument ID: GC71									

Client Sample ID: A-072224-AP-EFF — Lab Sample ID: 570-192597-2

Date Collected: 07/22/24 14:45 — **Matrix: Air**
Date Received: 07/23/24 09:15

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	463037	07/24/24 10:44	UHOG	EET CAL 4
	Instrument ID: GCMSII									
Total/NA	Analysis	TO3		1	10 mL	10 mL	463207	07/24/24 11:22	F5GP	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. Job ID: 570-192597-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-25
Washington	State	C916-18	10-11-24

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.
Job ID: 570-192597-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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.
Job ID: 570-192597-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-192597-1	A-072224-AP-INF	Air	07/22/24 14:25	07/23/24 09:15	Air Canister (1-Liter) #LC1131
570-192597-2	A-072224-AP-EFF	Air	07/22/24 14:45	07/23/24 09:15	Air Canister (1-Liter) #LC065

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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.

570-192597 Chain of Custody

Loc: 570
192597

CHAIN OF CUSTODY RECORD

DATE: 7/22/24

PAGE: 1 OF 1

LABORATORY CLIENT: GHD Services Inc.	CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464
ADDRESS: 9725 3rd Avenue NE Ste 204	P.O. NO.: 12632944-2024-02
CITY: Seattle STATE: WA ZIP: 98115	PROJECT CONTACT: Rosemary Bier 206-802-1595, Fabio Minervini 949-648-5270
TEL: 206-802-1595 E-MAIL: rosemary.bier@ghd.com	SAMPLER(S): (PRINT) Abby Palmgren

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:

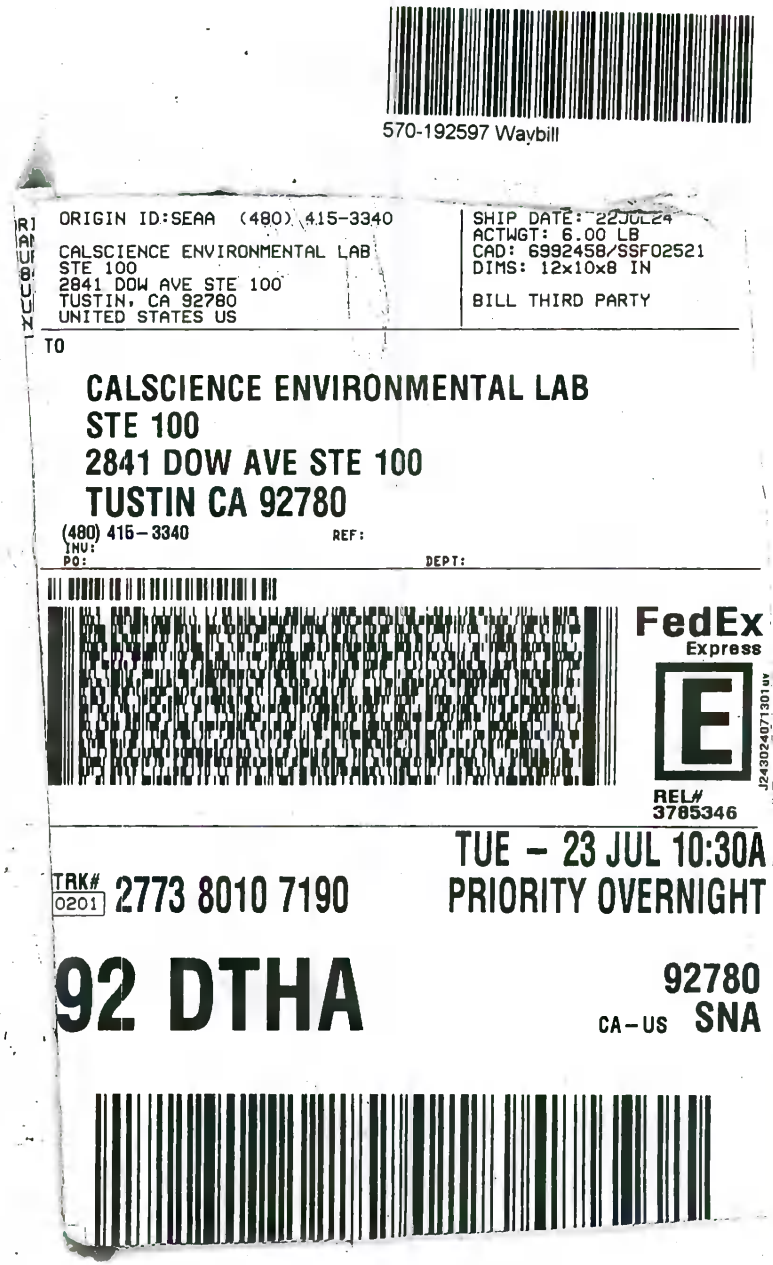
REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	GRO (TO-3)	BTEX (TO-15)
1	A-072224-AP-INF	7/22/24	1425	A	1	X			X	X
2	A-072224-AP-EFF	7/22/24	1445	A	1	X			X	X

Relinquished by: (Signature) Abby Palmgren	Received by: (Signature/Affiliation) FedEx	Date: 7/22/24	Time: 1655
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature) (FedEx)	Received by: (Signature/Affiliation) EZ	Date: 7/23/24	Time: 0915

8/25/21 Revision


570-192597 Waybill

ORIGIN ID:SEAA (480) 415-3340
CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN, CA 92780
UNITED STATES US

SHIP DATE: 22JUL24
ACTWGT: 6.00 LB
CAD: 6992458/SSF02521
DIMS: 12x10x8 IN
BILL THIRD PARTY

TO
CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN CA 92780
(480) 415-3340 REF:
INV:
PO: DEPT:

FedEx Express
REL# 3785346
J243024071301uv

TRK# 0201 2773 8010 7190
TUE - 23 JUL 10:30A
PRIORITY OVERNIGHT

92 DTHA
92780
CA-US SNA

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-192597-1

Login Number: 192597
List Number: 1
Creator: Cruise, Noel

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.	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 / 12632944

Job No.: 570-192597-1

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	Pressure Gauge ID	Date	Analyst Initials
570-192597-1	1	-29.5	-4	0.87	0.87	-1.96462	0.87	0.87		1.00	1.00	AIR MG 7	07/23/24 15:24	HK
570-192597-2	1	-29.5	-1	0.97	0.97	-0.491154	0.97	0.97		1.00	1.00	AIR MG 7	07/23/24 15:25	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)

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ANALYTICAL REPORT

PREPARED FOR

Attn: Rosemary Bier
GHD Services Inc.
3600 Port of Tacoma Road
Tacoma, Washington 98424

Generated 8/5/2024 10:48:54 AM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228/12632944

JOB NUMBER

580-142325-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization

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8/5/2024 10:48:54 AM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

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Job ID: 580-142325-1 Eurofins Seattle

Job Narrative
580-142325-1

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

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

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

Receipt
The samples were received on 7/23/2024 12:45 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 time was 3.8°C.

Gasoline Range Organics
Method NWTPH_Gx_MS: The continuing calibration verification (CCV) associated with batch 580-466170 recovered above the upper control limit for Gasoline. 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-072224-AP-EFF4 (COMPOSITE of 1,2,3 and 4) (580-142325-5).

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

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

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

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

Definitions/Glossary

Client: GHD Services Inc.
Job ID: 580-142325-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Glossary

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

Client Sample Results

Client: GHD Services Inc.
Job ID: 580-142325-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Client Sample ID: GW-072224-AP-EFF
Lab Sample ID: 580-142325-1
Date Collected: 07/22/24 12:00
Matrix: Water
Date Received: 07/23/24 12:45

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		190	86.6	ug/L		07/26/24 09:17	07/29/24 14:14	1
Motor Oil (>C24-C36)	ND		333	124	ug/L		07/26/24 09:17	07/29/24 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*		*50 - 150*	*07/26/24 09:17*	*07/29/24 14:14*	*1*

Client: GHD Services Inc.
Job ID: 580-142325-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Client Sample ID: GW-072224-AP-EFF4 (COMPOSITE of 1,2,3 and 4)

Lab Sample ID: 580-142325-5

Date Collected: 07/22/24 12:45
Matrix: Water
Date Received: 07/23/24 12:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			07/26/24 03:34	1
Toluene	ND		1.00	0.390	ug/L			07/26/24 03:34	1
Ethylbenzene	ND		1.00	0.500	ug/L			07/26/24 03:34	1
Xylenes, Total	ND		2.00	0.530	ug/L			07/26/24 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/26/24 03:34*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/26/24 03:34*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*07/26/24 03:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*07/26/24 03:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			07/26/24 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*07/26/24 03:34*	*1*

Client Sample Results

Client: GHD Services Inc.
Job ID: 580-142325-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Client Sample ID: GW-072224-AP-EFF7 (COMPOSITE of 5,6 and 7)
Lab Sample ID: 580-142325-8
Date Collected: 07/22/24 12:30
Matrix: Water
Date Received: 07/23/24 12:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664A)	ND		4.9	1.5	mg/L		08/01/24 14:47	08/01/24 17:05	1
SGT-HEM (Oil and Grease - Nonpolar) (1664A)	ND		4.9	1.2	mg/L		08/01/24 14:47	08/01/24 17:05	1
HEM Polar (Oil and Grease - Polar) (1664A)	ND		4.9	1.2	mg/L		08/01/24 14:47	08/01/24 17:05	1

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

Lab Sample ID: MB 580-466175/11
Matrix: Water
Analysis Batch: 466175

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			07/26/24 00:28	1
Toluene	ND		1.00	0.390	ug/L			07/26/24 00:28	1
Ethylbenzene	ND		1.00	0.500	ug/L			07/26/24 00:28	1
Xylenes, Total	ND		2.00	0.530	ug/L			07/26/24 00:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/26/24 00:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/26/24 00:28*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*07/26/24 00:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*07/26/24 00:28*	*1*

Lab Sample ID: LCS 580-466175/6
Matrix: Water
Analysis Batch: 466175

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.085		ug/L		102	80 - 122		
Toluene			5.00	4.951		ug/L		99	80 - 120		
Ethylbenzene			5.00	4.745		ug/L		95	80 - 120		
Xylenes, Total			10.0	9.738		ug/L		97	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*

Lab Sample ID: LCSD 580-466175/7
Matrix: Water
Analysis Batch: 466175

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			5.00	4.952		ug/L		99	80 - 122	3	14
Toluene			5.00	4.821		ug/L		96	80 - 120	3	13
Ethylbenzene			5.00	4.624		ug/L		92	80 - 120	3	14
Xylenes, Total			10.0	9.403		ug/L		94	80 - 120	4	16

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

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

Lab Sample ID: MB 580-466170/11
Matrix: Water
Analysis Batch: 466170

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			07/26/24 00:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*07/26/24 00:28*	*1*

Lab Sample ID: LCS 580-466170/8
Matrix: Water
Analysis Batch: 466170

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	614.4		ug/L		123	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*

Lab Sample ID: LCSD 580-466170/9
Matrix: Water
Analysis Batch: 466170

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
Gasoline			500	613.7		ug/L		123	55 - 148	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-466210/1-A
Matrix: Water
Analysis Batch: 466402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 466210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		200	91.0	ug/L		07/26/24 09:17	07/29/24 13:13	1
Motor Oil (>C24-C36)	ND		350	130	ug/L		07/26/24 09:17	07/29/24 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*50 - 150*	*07/26/24 09:17*	*07/29/24 13:13*	*1*

Lab Sample ID: LCS 580-466210/2-A
Matrix: Water
Analysis Batch: 466402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 466210

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4000	2916		ug/L		73	50 - 120		
Motor Oil (>C24-C36)			4000	3179		ug/L		79	64 - 120		

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

Lab Sample ID: LCS 580-466210/2-A
Matrix: Water
Analysis Batch: 466402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 466210

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*79*		*50 - 150*

Lab Sample ID: LCSD 580-466210/3-A
Matrix: Water
Analysis Batch: 466402

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 466210

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4000	2580		ug/L		64	50 - 120	12	26
Motor Oil (>C24-C36)			4000	3165		ug/L		79	64 - 120	0	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*76*		*50 - 150*

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 580-466854/1-A
Matrix: Water
Analysis Batch: 466880

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 466854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0	1.5	mg/L		08/01/24 14:46	08/01/24 17:05	1
SGT-HEM (Oil and Grease - Nonpolar)	ND		5.0	1.2	mg/L		08/01/24 14:46	08/01/24 17:05	1
HEM Polar (Oil and Grease - Polar)	ND		5.0	1.2	mg/L		08/01/24 14:46	08/01/24 17:05	1

Lab Sample ID: LCS 580-466854/2-A
Matrix: Water
Analysis Batch: 466880

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 466854

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)			40.3	33.64		mg/L		83	78 - 114
SGT-HEM (Oil and Grease - Nonpolar)			20.1	13.60		mg/L		67	64 - 132

Lab Sample ID: LCSD 580-466854/3-A
Matrix: Water
Analysis Batch: 466880

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 466854

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)			40.9	35.41		mg/L		87	78 - 114	5	18
SGT-HEM (Oil and Grease - Nonpolar)			20.5	14.23		mg/L		70	64 - 132	5	34

Lab Chronicle

Client: GHD Services Inc. Job ID: 580-142325-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Client Sample ID: GW-072224-AP-EFF — Lab Sample ID: 580-142325-1

Date Collected: 07/22/24 12:00 **Matrix: Water**
Date Received: 07/23/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			466210	EM	EET SEA	07/26/24 09:17
Total/NA	Analysis	NWTPH-Dx		1	466402	SW	EET SEA	07/29/24 14:14

Client Sample ID: GW-072224-AP-EFF4 (COMPOSITE of 1,2,3 and 4) — Lab Sample ID: 580-142325-5

Date Collected: 07/22/24 12:45 **Matrix: Water**
Date Received: 07/23/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	466175	AA	EET SEA	07/26/24 03:34
Total/NA	Analysis	NWTPH-Gx		1	466170	AA	EET SEA	07/26/24 03:34

Client Sample ID: GW-072224-AP-EFF7 (COMPOSITE of 5,6 and 7) — Lab Sample ID: 580-142325-8

Date Collected: 07/22/24 12:30 **Matrix: Water**
Date Received: 07/23/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664A			466854	FCG	EET SEA	08/01/24 14:47
Total/NA	Analysis	1664A		1	466880	FCG	EET SEA	08/01/24 17:05

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

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 580-142325-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-25

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
1664A	1664A	Water	HEM Polar (Oil and Grease - Polar)

Washington	State	C788	07-13-24 *

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
1664A	1664A	Water	HEM Polar (Oil and Grease - Polar)

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: GHD Services Inc.
Job ID: 580-142325-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-142325-1	GW-072224-AP-EFF	Water	07/22/24 12:00	07/23/24 12:45
580-142325-5	GW-072224-AP-EFF4 (COMPOSITE of 1,2,3 and 4)	Water	07/22/24 12:45	07/23/24 12:45
580-142325-8	GW-072224-AP-EFF7 (COMPOSITE of 5,6 and 7)	Water	07/22/24 12:30	07/23/24 12:45

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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.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 07/22/2024

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 / 12632944

P.O. NO.: 12632944-2024-03

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

SAMPLER(S): (PRINT) Abby Palmgren

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:

Laboratory composite EFF 1, 2, 3 ,4 samples for BTEX and TPHg
Laboratory composite EFF 5, 6, 7 samples for Oil & Grease

REQUESTED ANALYSES

Please check box or fill in blank as needed.

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 (8260)	Oil & Grease (1664)	
	GW-072224-AP-EFF	07-22-24	1200	GW	2		X		X				
	GW-072224-AP-EFF 1	07-22-24	1200	GW	2		X			X	X		Lab composite
	GW-072224-AP-EFF 2	07-22-24	1215	GW	2		X			X	X		Lab composite
	GW-072224-AP-EFF 3	07-22-24	1230	GW	2		X			X	X		Lab composite
	GW-072224-AP-EFF 4	07-22-24	1245	GW	2		X			X	X		Lab composite
	GW-072224-AP-EFF 5	07-22-24	1200	GW	1		X					X	Lab composite
	GW-072224-AP-EFF 6	07-22-24	1215	GW	1		X					X	Lab composite
	GW-072224-AP-EFF 7	07-22-24	1230	GW	1		X					X	Lab composite

Therm. ID: 11 Cor: 3.8 Unc: 3.3
Cooler Dsc: SR
Packing: Bub
Cust. Seal: Yes No X
Blue Ice, Wet, Dry, None
FedEX:
UPS:
Lab Courr: X
Other:

AP

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Wyatt Copeland	EETN	7/23/24	12:45
Relinquished by: (Signature)	Received by: (Signature/Affiliation)		Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)		Time:

580-142325 Chain of Custody

8/25/21 Revision

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-142325-1

Login Number: 142325
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/31/2024 9:21:17 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12632944-2024-03

JOB NUMBER

580-142326-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization

Generated
7/31/2024 9:21:17 PM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

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Job ID: 580-142326-1 Eurofins Seattle

Job Narrative
580-142326-1

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

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

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

Receipt
The samples were received on 7/23/2024 12:45 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 time was 3.4°C.

Gasoline Range Organics
Method NWTPH_Gx_MS: The following sample was diluted to bring the concentration of target analytes within the calibration range: GW-072224-AP-INF1 (580-142326-1). Elevated reporting limits (RLs) are provided.

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

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: GW-072224-AP-INF1 (580-142326-1). 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.

Hydrocarbons
Method NWTPH_Dx: The following samples formed emulsions during the extraction procedure: GW-072224-AP-INF1 (580-142326-1), GW-072224-AP-MID1 (580-142326-2) and GW-072224-AP-MID2 (580-142326-3). The emulsions were broken up using additional sodium sulfate and methylene chloride rinses. NWTPH_Dx.

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

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12632944-2024-03

Job ID: 580-142326-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12632944-2024-03

Job ID: 580-142326-1

Client Sample ID: GW-072224-AP-INF1

Date Collected: 07/22/24 13:30
Date Received: 07/23/24 12:45

Lab Sample ID: 580-142326-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	641		20.0	4.80	ug/L			07/30/24 06:22	20
Toluene	229		20.0	7.80	ug/L			07/30/24 06:22	20
Ethylbenzene	60.7		20.0	10.0	ug/L			07/30/24 06:22	20
Xylenes, Total	3200		40.0	10.6	ug/L			07/30/24 06:22	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/30/24 06:22*	*20*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/30/24 06:22*	*20*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/30/24 06:22*	*20*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*07/30/24 06:22*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	19000		3000	1460	ug/L			07/25/24 06:57	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*77 - 123*		*07/25/24 06:57*	*20*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4520		204	92.9	ug/L		07/26/24 09:17	07/29/24 14:34	1
Motor Oil (>C24-C36)	436		357	133	ug/L		07/26/24 09:17	07/29/24 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*07/26/24 09:17*	*07/29/24 14:34*	*1*

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12632944-2024-03

Job ID: 580-142326-1

Client Sample ID: GW-072224-AP-MID1

Date Collected: 07/22/24 13:15
Date Received: 07/23/24 12:45

Lab Sample ID: 580-142326-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.01**		1.00	0.240	ug/L			07/30/24 01:20	1
Toluene	ND		1.00	0.390	ug/L			07/30/24 01:20	1
Ethylbenzene	ND		1.00	0.500	ug/L			07/30/24 01:20	1
Xylenes, Total	ND		2.00	0.530	ug/L			07/30/24 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/30/24 01:20*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*07/30/24 01:20*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*07/30/24 01:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*07/30/24 01:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			07/25/24 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*77 - 123*		*07/25/24 06:13*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**145**	**J**	202	91.8	ug/L		07/26/24 09:17	07/29/24 14:55	1
Motor Oil (>C24-C36)	**194**	**J**	353	131	ug/L		07/26/24 09:17	07/29/24 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*50 - 150*	*07/26/24 09:17*	*07/29/24 14:55*	*1*

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12632944-2024-03

Job ID: 580-142326-1

Client Sample ID: GW-072224-AP-MID2

Date Collected: 07/22/24 13:00
Date Received: 07/23/24 12:45

Lab Sample ID: 580-142326-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.81**		1.00	0.240	ug/L			07/30/24 01:42	1
Toluene	ND		1.00	0.390	ug/L			07/30/24 01:42	1
Ethylbenzene	ND		1.00	0.500	ug/L			07/30/24 01:42	1
Xylenes, Total	ND		2.00	0.530	ug/L			07/30/24 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/30/24 01:42*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*07/30/24 01:42*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*07/30/24 01:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*07/30/24 01:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			07/25/24 06:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*77 - 123*		*07/25/24 06:35*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		203	92.6	ug/L		07/26/24 09:17	07/30/24 11:27	1
Motor Oil (>C24-C36)	ND		356	132	ug/L		07/26/24 09:17	07/30/24 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*50 - 150*	*07/26/24 09:17*	*07/30/24 11:27*	*1*

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12632944-2024-03

Job ID: 580-142326-1

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

Lab Sample ID: MB 580-466455/7
Matrix: Water
Analysis Batch: 466455

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			07/29/24 23:11	1
Toluene	ND		1.00	0.390	ug/L			07/29/24 23:11	1
Ethylbenzene	ND		1.00	0.500	ug/L			07/29/24 23:11	1
Xylenes, Total	ND		2.00	0.530	ug/L			07/29/24 23:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/29/24 23:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*07/29/24 23:11*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*07/29/24 23:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*07/29/24 23:11*	*1*

Lab Sample ID: LCS 580-466455/4
Matrix: Water
Analysis Batch: 466455

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			10.0	8.847		ug/L		88	80 - 122		
Toluene			10.0	8.978		ug/L		90	80 - 120		
Ethylbenzene			10.0	8.996		ug/L		90	80 - 120		
Xylenes, Total			20.0	18.29		ug/L		91	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 580-466455/5
Matrix: Water
Analysis Batch: 466455

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			10.0	8.898		ug/L		89	80 - 122	1	14
Toluene			10.0	8.769		ug/L		88	80 - 120	2	13
Ethylbenzene			10.0	8.980		ug/L		90	80 - 120	0	14
Xylenes, Total			20.0	17.90		ug/L		90	80 - 120	2	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12632944-2024-03

Job ID: 580-142326-1

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

Lab Sample ID: MB 580-466020/11
Matrix: Water
Analysis Batch: 466020

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			07/25/24 00:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*77 - 123*		*07/25/24 00:08*	*1*

Lab Sample ID: LCS 580-466020/8
Matrix: Water
Analysis Batch: 466020

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	433.2		ug/L		87	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*

Lab Sample ID: LCSD 580-466020/9
Matrix: Water
Analysis Batch: 466020

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
Gasoline			500	419.9		ug/L		84	55 - 148	3	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*77 - 123*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-466210/1-A
Matrix: Water
Analysis Batch: 466402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 466210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		200	91.0	ug/L		07/26/24 09:17	07/29/24 13:13	1
Motor Oil (>C24-C36)	ND		350	130	ug/L		07/26/24 09:17	07/29/24 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*50 - 150*	*07/26/24 09:17*	*07/29/24 13:13*	*1*

Lab Sample ID: LCS 580-466210/2-A
Matrix: Water
Analysis Batch: 466402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 466210

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4000	2916		ug/L		73	50 - 120		
Motor Oil (>C24-C36)			4000	3179		ug/L		79	64 - 120		

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

Lab Sample ID: LCS 580-466210/2-A
Matrix: Water
Analysis Batch: 466402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 466210

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*79*		*50 - 150*

Lab Sample ID: LCSD 580-466210/3-A
Matrix: Water
Analysis Batch: 466402

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 466210

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4000	2580		ug/L		64	50 - 120	12	26
Motor Oil (>C24-C36)			4000	3165		ug/L		79	64 - 120	0	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*76*		*50 - 150*

Lab Chronicle

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12632944-2024-03

Job ID: 580-142326-1

Client Sample ID: GW-072224-AP-INF1

Lab Sample ID: 580-142326-1
Date Collected: 07/22/24 13:30
Matrix: Water
Date Received: 07/23/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	466455	K1K	EET SEA	07/30/24 06:22
Total/NA	Analysis	NWTPH-Gx		20	466020	K1K	EET SEA	07/25/24 06:57
Total/NA	Prep	3510C			466210	EM	EET SEA	07/26/24 09:17
Total/NA	Analysis	NWTPH-Dx		1	466402	SW	EET SEA	07/29/24 14:34

Client Sample ID: GW-072224-AP-MID1

Lab Sample ID: 580-142326-2
Date Collected: 07/22/24 13:15
Matrix: Water
Date Received: 07/23/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	466455	K1K	EET SEA	07/30/24 01:20
Total/NA	Analysis	NWTPH-Gx		1	466020	K1K	EET SEA	07/25/24 06:13
Total/NA	Prep	3510C			466210	EM	EET SEA	07/26/24 09:17
Total/NA	Analysis	NWTPH-Dx		1	466402	SW	EET SEA	07/29/24 14:55

Client Sample ID: GW-072224-AP-MID2

Lab Sample ID: 580-142326-3
Date Collected: 07/22/24 13:00
Matrix: Water
Date Received: 07/23/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	466455	K1K	EET SEA	07/30/24 01:42
Total/NA	Analysis	NWTPH-Gx		1	466020	K1K	EET SEA	07/25/24 06:35
Total/NA	Prep	3510C	RA		466210	EM	EET SEA	07/26/24 09:17
Total/NA	Analysis	NWTPH-Dx	RA	1	466509	SW	EET SEA	07/30/24 11:27

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

Accreditation/Certification Summary

Client: GHD Services Inc.
Job ID: 580-142326-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944-2024-03

Laboratory: Eurofins Seattle

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

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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12632944-2024-03

Job ID: 580-142326-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-142326-1	GW-072224-AP-INF1	Water	07/22/24 13:30	07/23/24 12:45
580-142326-2	GW-072224-AP-MID1	Water	07/22/24 13:15	07/23/24 12:45
580-142326-3	GW-072224-AP-MID2	Water	07/22/24 13:00	07/23/24 12:45

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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.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 7/22/24

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

P.O. NO.: 12632944-2024-03

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

SAMPLER(S): (PRINT) Abby Palmgren

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:
Laboratory composite EFF 1, 2, 3 ,4 samples for BTEX and TPHg
Laboratory composite EFF 5, 6, 7 samples for Oil & Grease

REQUESTED ANALYSES

Please check box or fill in blank as needed.

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 (8260)	Oil & Grease (1664)
	GW-072224-AP-INF 1	7/22/24	1330	GW	8		X		X	X	X	
	GW-072224-AP-MID 1	7/22/24	1315	GW	8		X		X	X	X	
	GW-072224-AP-MID 2	7/22/24	1300	GW	8		X		X	X	X	

580-142326 Chain of Custody

Therm. ID: 11 Cor: 3.4 ° Unc: 2.9 °
Cooler Dsc: SR
Packing: BUB
Cust. Seal: Yes No X
Blue Ice, Wet, Dry, None
FedEx:
UPS:
Lab Courier:
Other:

AP

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Wyatt Copeland	EEIN	7/23/24	12:45
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

8/25/21 Revision

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-142326-1

Login Number: 142326
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

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.	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 <6mm (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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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/22/2024 12:41:38 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12632944

JOB NUMBER

570-195568-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

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. Job ID: 570-195568-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Glossary

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

Job Narrative
570-195568-1

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

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

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

Receipt
The samples were received on 8/15/2024 9:29 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 22.0°C.

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

Air - GC VOA
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.
Job ID: 570-195568-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Client Sample ID: A-081324-NU-INF
Lab Sample ID: 570-195568-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	500		3.1		ppb v/v	6.25		TO-15	Total/NA
Ethylbenzene	56		3.1		ppb v/v	6.25		TO-15	Total/NA
o-Xylene	230		3.1		ppb v/v	6.25		TO-15	Total/NA
m,p-Xylene	570		13		ppb v/v	6.25		TO-15	Total/NA
Toluene	330		3.1		ppb v/v	6.25		TO-15	Total/NA
Xylenes, Total	800		16		ppb v/v	6.25		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	40		1.0		ppm v/v	1		TO3	Total/NA

Client Sample ID: A-081324-NU-EFF
Lab Sample ID: 570-195568-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.9		0.50		ppb v/v	1		TO-15	Total/NA
Toluene	1.5		0.50		ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client: GHD Services Inc.
Job ID: 570-195568-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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

Client Sample ID: A-081324-NU-INF
Lab Sample ID: 570-195568-1
Date Collected: 08/13/24 12:00
Matrix: Air
Date Received: 08/15/24 09:29
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**500**		3.1		ppb v/v			08/19/24 17:00	6.25
Ethylbenzene	**56**		3.1		ppb v/v			08/19/24 17:00	6.25
o-Xylene	**230**		3.1		ppb v/v			08/19/24 17:00	6.25
m,p-Xylene	**570**		13		ppb v/v			08/19/24 17:00	6.25
Toluene	**330**		3.1		ppb v/v			08/19/24 17:00	6.25
Xylenes, Total	**800**		16		ppb v/v			08/19/24 17:00	6.25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 132*		*08/19/24 17:00*	*6.25*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*08/19/24 17:00*	*6.25*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/19/24 17:00*	*6.25*

Client Sample ID: A-081324-NU-EFF
Lab Sample ID: 570-195568-2
Date Collected: 08/13/24 12:10
Matrix: Air
Date Received: 08/15/24 09:29
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.9**		0.50		ppb v/v			08/19/24 16:18	1
Ethylbenzene	ND		0.50		ppb v/v			08/19/24 16:18	1
o-Xylene	ND		0.50		ppb v/v			08/19/24 16:18	1
m,p-Xylene	ND		2.0		ppb v/v			08/19/24 16:18	1
Toluene	**1.5**		0.50		ppb v/v			08/19/24 16:18	1
Xylenes, Total	ND		2.5		ppb v/v			08/19/24 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 132*		*08/19/24 16:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*08/19/24 16:18*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*08/19/24 16:18*	*1*

Client: GHD Services Inc. Job ID: 570-195568-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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

Client Sample ID: A-081324-NU-INF **Lab Sample ID: 570-195568-1**
Date Collected: 08/13/24 12:00 **Matrix: Air**
Date Received: 08/15/24 09:29
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	**40**		1.0		ppm v/v			08/17/24 08:56	1

Client Sample ID: A-081324-NU-EFF **Lab Sample ID: 570-195568-2**
Date Collected: 08/13/24 12:10 **Matrix: Air**
Date Received: 08/15/24 09:29
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0		ppm v/v			08/17/24 08:14	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Job ID: 570-195568-1

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

Matrix: Air

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(66-132)	(70-130)	(70-130)
570-195568-1	A-081324-NU-INF	97	103	97
570-195568-2	A-081324-NU-EFF	94	101	98
LCS 570-472103/3	Lab Control Sample	98	98	101
LCSD 570-472103/4	Lab Control Sample Dup	97	100	99
MB 570-472103/6	Method Blank	95	96	96

Surrogate Legend

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

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

Lab Sample ID: MB 570-472103/6
Matrix: Air
Analysis Batch: 472103

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			08/19/24 15:19	1
Ethylbenzene	ND		0.50		ppb v/v			08/19/24 15:19	1
o-Xylene	ND		0.50		ppb v/v			08/19/24 15:19	1
m,p-Xylene	ND		2.0		ppb v/v			08/19/24 15:19	1
Toluene	ND		0.50		ppb v/v			08/19/24 15:19	1
Xylenes, Total	ND		2.5		ppb v/v			08/19/24 15:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 132*		*08/19/24 15:19*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*08/19/24 15:19*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/19/24 15:19*	*1*

Lab Sample ID: LCS 570-472103/3
Matrix: Air
Analysis Batch: 472103

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	24.77		ppb v/v		99	68 - 134		
Ethylbenzene			25.0	24.08		ppb v/v		96	70 - 130		
o-Xylene			25.0	23.53		ppb v/v		94	68 - 130		
m,p-Xylene			50.0	47.61		ppb v/v		95	70 - 130		
Toluene			25.0	24.69		ppb v/v		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 132*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 570-472103/4
Matrix: Air
Analysis Batch: 472103

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	23.28		ppb v/v		93	68 - 134	6	25
Ethylbenzene			25.0	23.25		ppb v/v		93	70 - 130	4	25
o-Xylene			25.0	22.36		ppb v/v		89	68 - 130	5	25
m,p-Xylene			50.0	45.40		ppb v/v		91	70 - 130	5	25
Toluene			25.0	23.63		ppb v/v		95	70 - 130	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 132*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 570-471806/3
Matrix: Air
Analysis Batch: 471806

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			08/17/24 07:55	1

Lab Sample ID: LCS 570-471806/2
Matrix: Air
Analysis Batch: 471806

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	100.7		ppm v/v		101	80 - 120		

Lab Sample ID: 570-195568-1 DU
Matrix: Air
Analysis Batch: 471806

Client Sample ID: A-081324-NU-INF
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Organics (C6-C12)	40			40.38		ppm v/v				1	20

QC Association Summary

Client: GHD Services Inc.
Job ID: 570-195568-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Air - GC/MS VOA

Analysis Batch: 472103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-195568-1	A-081324-NU-INF	Total/NA	Air	TO-15	
570-195568-2	A-081324-NU-EFF	Total/NA	Air	TO-15	
MB 570-472103/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-472103/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-472103/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 471806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-195568-1	A-081324-NU-INF	Total/NA	Air	TO3	
570-195568-2	A-081324-NU-EFF	Total/NA	Air	TO3	
MB 570-471806/3	Method Blank	Total/NA	Air	TO3	
LCS 570-471806/2	Lab Control Sample	Total/NA	Air	TO3	
570-195568-1 DU	A-081324-NU-INF	Total/NA	Air	TO3	

Lab Chronicle

Client: GHD Services Inc. Job ID: 570-195568-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Client Sample ID: A-081324-NU-INF
Lab Sample ID: 570-195568-1
Date Collected: 08/13/24 12:00
Matrix: Air
Date Received: 08/15/24 09:29

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		6.25	250 mL	250 mL	472103	08/19/24 17:00	YY9P	EET CAL 4
	Instrument ID: GCMSAA									
Total/NA	Analysis	TO3		1	10 mL	10 mL	471806	08/17/24 08:56	I9H5	EET CAL 4
	Instrument ID: GC71									

Client Sample ID: A-081324-NU-EFF
Lab Sample ID: 570-195568-2
Date Collected: 08/13/24 12:10
Matrix: Air
Date Received: 08/15/24 09:29

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	472103	08/19/24 16:18	YY9P	EET CAL 4
	Instrument ID: GCMSAA									
Total/NA	Analysis	TO3		1	10 mL	10 mL	471806	08/17/24 08:14	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. Job ID: 570-195568-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-25
Washington	State	C916-18	10-11-24

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.
Job ID: 570-195568-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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.
Job ID: 570-195568-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-195568-1	A-081324-NU-INF	Air	08/13/24 12:00	08/15/24 09:29	Air Canister (1-Liter) #LC1370
570-195568-2	A-081324-NU-EFF	Air	08/13/24 12:10	08/15/24 09:29	Air Canister (1-Liter) #LC224

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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.

570-195568 Chain of Custody

Loc: 570
195568

CHAIN OF CUSTODY RECORD

DATE: 08·13·~~2023~~ 2024

PAGE: 1 OF 1

LABORATORY CLIENT: GHD Services Inc.	CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 12632944
ADDRESS: 9725 3rd Avenue NE Ste 204	P.O. NO.: 12632944-2024-02
CITY: Seattle STATE: WA ZIP: 98115	PROJECT CONTACT: Rosemary Bier 206-802-1595, Fabio Minervini 949-648-5270
TEL: 206-802-1595 E-MAIL: rosemary.bier@ghd.com	SAMPLER(S): (PRINT) Nicole Ulcakovic, Abby Palmgren

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:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	GRO (TO-3)	BTEX (TO-15)
1	A-081324-NU-INF	08·13·24	12:00	A	1	X			X	X
2	A-081324-NU-EFF	08·13·24	12:10	A	1	X			X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Abby Palmgren		8/14/24	1530
Relinquished by: (Signature) (FedEx)	Received by: (Signature/Affiliation) EC	Date: 8-15-24	Time: 9:29
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

8/25/21 Revision

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-195568-1

Login Number: 195568
List Number: 1
Creator: Cruise, Noel

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.	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 / 12632944

Job No.: 570-195568-1

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	Pressure Gauge ID	Date	Analyst Initials
570-195568-1	1	-29.5	-2	0.93	0.93	-0.982308	0.93	0.93		1.00	1.00	AIR MG 7	08/16/24 15:31	F5GP
570-195568-2	1	-29.5	-6	0.80	0.80	-2.94692	0.80	0.80		1.00	1.00	AIR MG 7	08/16/24 15:31	F5GP

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)

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ANALYTICAL REPORT

PREPARED FOR

Attn: Rosemary Bier
GHD Services Inc.
3600 Port of Tacoma Road
Tacoma, Washington 98424

Generated 8/28/2024 11:23:10 PM

JOB DESCRIPTION

GHD General - P66 Renton Terminal AOC 5228

JOB NUMBER

580-142939-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization

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8/28/2024 11:23:10 PM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

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Job ID: 580-142939-1 Eurofins Seattle

Job Narrative
580-142939-1

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

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

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

Receipt
The samples were received on 8/14/2024 12:30 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 time was 3.1°C.

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

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

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

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

Definitions/Glossary

Client: GHD Services Inc. Job ID: 580-142939-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Client Sample Results

Client: GHD Services Inc.
Job ID: 580-142939-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Client Sample ID: GW-081324-NU-EFF
Lab Sample ID: 580-142939-1

Date Collected: 08/13/24 10:00
Matrix: Water
Date Received: 08/14/24 12:30

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		190	86.5	ug/L		08/15/24 08:29	08/15/24 19:44	1
Motor Oil (>C24-C36)	**146**	**J**	333	124	ug/L		08/15/24 08:29	08/15/24 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*08/15/24 08:29*	*08/15/24 19:44*	*1*

Client: GHD Services Inc.
Job ID: 580-142939-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Client Sample ID: GW-081324-NU-EFF-4 (COMP EFF 1-4)
Lab Sample ID: 580-142939-5

Date Collected: 08/13/24 10:45
Matrix: Water
Date Received: 08/14/24 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/18/24 00:40	1
Toluene	ND		1.00	0.390	ug/L			08/18/24 00:40	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/18/24 00:40	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/18/24 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/18/24 00:40*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/18/24 00:40*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/18/24 00:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/18/24 00:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/18/24 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*08/18/24 00:40*	*1*

Client Sample Results

Client: GHD Services Inc.
Job ID: 580-142939-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Client Sample ID: GW-081324-NU-EFF-7 (COMP EFF 5-7)
Lab Sample ID: 580-142939-8
Date Collected: 08/13/24 10:30
Matrix: Water
Date Received: 08/14/24 12:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664A)	ND		1.6	0.49	mg/L		08/26/24 13:12	08/26/24 15:54	1
SGT-HEM (Oil and Grease - Nonpolar) (1664A)	ND		1.6	0.40	mg/L		08/26/24 13:12	08/26/24 15:54	1
HEM Polar (Oil and Grease - Polar) (1664A)	ND		1.6	0.40	mg/L		08/26/24 13:12	08/26/24 15:54	1

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

Lab Sample ID: MB 580-468604/11
Matrix: Water
Analysis Batch: 468604

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/17/24 19:38	1
Toluene	ND		1.00	0.390	ug/L			08/17/24 19:38	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/17/24 19:38	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/17/24 19:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 19:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/17/24 19:38*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/17/24 19:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*80 - 120*		*08/17/24 19:38*	*1*

Lab Sample ID: LCS 580-468604/6
Matrix: Water
Analysis Batch: 468604

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.021		ug/L		100	80 - 122		
Toluene			5.00	5.044		ug/L		101	80 - 120		
Ethylbenzene			5.00	5.565		ug/L		111	80 - 120		
Xylenes, Total			10.0	11.24		ug/L		112	80 - 120		

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

Lab Sample ID: LCSD 580-468604/7
Matrix: Water
Analysis Batch: 468604

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			5.00	5.036		ug/L		101	80 - 122	0	14
Toluene			5.00	4.982		ug/L		100	80 - 120	1	13
Ethylbenzene			5.00	5.488		ug/L		110	80 - 120	1	14
Xylenes, Total			10.0	11.09		ug/L		111	80 - 120	1	16

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

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

Lab Sample ID: MB 580-468599/11 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468599

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/17/24 19:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*08/17/24 19:38*	*1*

Lab Sample ID: LCS 580-468599/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468599

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	586.7		ug/L		117	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*

Lab Sample ID: LCSD 580-468599/9 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468599

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			500	559.1		ug/L		112	55 - 148	5	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-468297/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468335 — **Prep Batch: 468297**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		200	91.0	ug/L		08/15/24 08:29	08/15/24 18:22	1
Motor Oil (>C24-C36)	ND		350	130	ug/L		08/15/24 08:29	08/15/24 18:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*50 - 150*	*08/15/24 08:29*	*08/15/24 18:22*	*1*

Lab Sample ID: LCS 580-468297/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468335 — **Prep Batch: 468297**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4000	2840		ug/L		71	50 - 120		
Motor Oil (>C24-C36)			4000	3080		ug/L		77	64 - 120		

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

Lab Sample ID: LCS 580-468297/2-A
Matrix: Water
Analysis Batch: 468335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468297

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*74*		*50 - 150*

Lab Sample ID: LCSD 580-468297/3-A
Matrix: Water
Analysis Batch: 468335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 468297

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4000	2895		ug/L		72	50 - 120	2	26
Motor Oil (>C24-C36)			4000	3204		ug/L		80	64 - 120	4	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*75*		*50 - 150*

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 580-469415/1-A
Matrix: Water
Analysis Batch: 469432

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 469415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0	1.5	mg/L		08/26/24 13:10	08/26/24 15:54	1
SGT-HEM (Oil and Grease - Nonpolar)	ND		5.0	1.2	mg/L		08/26/24 13:10	08/26/24 15:54	1
HEM Polar (Oil and Grease - Polar)	ND		5.0	1.2	mg/L		08/26/24 13:10	08/26/24 15:54	1

Lab Sample ID: LCS 580-469415/2-A
Matrix: Water
Analysis Batch: 469432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 469415

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)			39.8	32.17		mg/L		81	78 - 114
SGT-HEM (Oil and Grease - Nonpolar)			19.9	12.85		mg/L		64	64 - 132

Lab Sample ID: LCSD 580-469415/3-A
Matrix: Water
Analysis Batch: 469432

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 469415

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)			40.2	32.73		mg/L		81	78 - 114	2	18
SGT-HEM (Oil and Grease - Nonpolar)			20.1	13.65		mg/L		68	64 - 132	6	34

Lab Sample ID: 580-142977-A-1-B MS
Matrix: Water
Analysis Batch: 469432

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 469415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	18.6	F1	41.2	47.17	F1	mg/L		69	78 - 114
SGT-HEM (Oil and Grease - Nonpolar)	ND	F1	20.6	ND	F1	mg/L		0	64 - 132

Client: GHD Services Inc.
Job ID: 580-142939-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: 580-142977-A-1-C MSD
Matrix: Water
Analysis Batch: 469432

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 469415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)	18.6	F1	42.1	48.42	F1	mg/L		71	78 - 114	3	18
SGT-HEM (Oil and Grease - Nonpolar)	ND	F1	21.1	ND	F1	mg/L		0	64 - 132	NC	34

Lab Chronicle

Client: GHD Services Inc. Job ID: 580-142939-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Client Sample ID: GW-081324-NU-EFF — Lab Sample ID: 580-142939-1

Date Collected: 08/13/24 10:00 **Matrix: Water**
Date Received: 08/14/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			468297	JW	EET SEA	08/15/24 08:29
Total/NA	Analysis	NWTPH-Dx		1	468335	SW	EET SEA	08/15/24 19:44

Client Sample ID: GW-081324-NU-EFF-4 (COMP EFF 1-4) — Lab Sample ID: 580-142939-5

Date Collected: 08/13/24 10:45 **Matrix: Water**
Date Received: 08/14/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468604	JBT	EET SEA	08/18/24 00:40
Total/NA	Analysis	NWTPH-Gx		1	468599	JBT	EET SEA	08/18/24 00:40

Client Sample ID: GW-081324-NU-EFF-7 (COMP EFF 5-7) — Lab Sample ID: 580-142939-8

Date Collected: 08/13/24 10:30 **Matrix: Water**
Date Received: 08/14/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664A			469415	CSS	EET SEA	08/26/24 13:12
Total/NA	Analysis	1664A		1	469432	CSS	EET SEA	08/26/24 15:54

Laboratory References:

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

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 580-142939-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-25

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
1664A	1664A	Water	HEM Polar (Oil and Grease - Polar)

Washington	State	C788-24	07-13-25

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
1664A	1664A	Water	HEM Polar (Oil and Grease - Polar)

Sample Summary

Client: GHD Services Inc.
Job ID: 580-142939-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-142939-1	GW-081324-NU-EFF	Water	08/13/24 10:00	08/14/24 12:30
580-142939-5	GW-081324-NU-EFF-4 (COMP EFF 1-4)	Water	08/13/24 10:45	08/14/24 12:30
580-142939-8	GW-081324-NU-EFF-7 (COMP EFF 5-7)	Water	08/13/24 10:30	08/14/24 12:30

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 08·13·2024

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 / 12632944

P.O. NO.: 12632944-2023-03

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

SAMPLER(S): (PRINT) Nicole Ulykovic
Abby Palmgren

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:
Laboratory composite EFF 1, 2, 3 ,4 samples for BTEX and TPHg
Laboratory composite EFF 5, 6, 7 samples for Oil & Grease

REQUESTED ANALYSES

Please check box or fill in blank as needed.

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 (8260)	Oil & Grease (1664)	
	GW-081324-NU-EFF	08-13-24	10:00	GW	2		X		X				
	GW-081324-NU-EFF 1	08-13-24	10:00	GW	2		X			X	X		Lab composite
	GW-081324-NU-EFF 2	08-13-24	10:15	GW	2		X			X	X		Lab composite
	GW-081324-NU-EFF 3	08-13-24	10:30	GW	2		X			X	X		Lab composite
	GW-081324-NU-EFF 4	08-13-24	10:45	GW	2		X			X	X		Lab composite
	GW-081324-NU-EFF 5	08-13-24	10:00	GW	1		X					X	Lab composite
	GW-081324-NU-EFF 6	08-13-24	10:15	GW	1		X					X	Lab composite
	GW-081324-NU-EFF 7	08-13-24	10:30	GW	1		X					X	Lab composite

580-142939 Chain of Custody

Therm. ID: 14 Cor: 3.1 Unc: 2.9
Cooler Dsc: LB
Packing: Bub
Cust. Seal: Yes No
Blue Ice, Wet, Dry, None
FedEx:
UPS:
Lab Courier:
Other:

AP

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Abby Palmgren	Courier/Fedex EFT	8/14/24	1230
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

8/25/21 Revision

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-142939-1

Login Number: 142939
List Number: 1
Creator: Harp, Cordelia

List Source: Eurofins Seattle

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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Rosemary Bier
GHD Services Inc.
3600 Port of Tacoma Road
Tacoma, Washington 98424

Generated 8/28/2024 11:29:22 PM

JOB DESCRIPTION

GHD General - P66 Renton Terminal AOC 5228

JOB NUMBER

580-142941-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization

Generated
8/28/2024 11:29:22 PM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

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Job ID: 580-142941-1 Eurofins Seattle

Job Narrative
580-142941-1

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

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

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

Receipt
The samples were received on 8/14/2024 12:30 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 time was 3.1°C.

Gasoline Range Organics
Method NWTPH_Gx_MS: The following sample was diluted to bring the concentration of target analytes within the calibration range: GW-081324-NU-INF 1 (580-142941-1). Elevated reporting limits (RLs) are provided.

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

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: GW-081324-NU-INF 1 (580-142941-1). 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.

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

Definitions/Glossary

Client: GHD Services Inc. Job ID: 580-142941-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client Sample ID: GW-081324-NU-INF 1 — Lab Sample ID: 580-142941-1

Date Collected: 08/13/24 11:30 — **Matrix: Water**
Date Received: 08/14/24 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	947		10.0	2.40	ug/L			08/18/24 02:13	10
Toluene	233		10.0	3.90	ug/L			08/18/24 02:13	10
Ethylbenzene	26.3		10.0	5.00	ug/L			08/18/24 02:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/18/24 02:13*	*10*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/18/24 02:13*	*10*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*08/18/24 02:13*	*10*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/18/24 02:13*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1820		200	53.0	ug/L			08/21/24 11:18	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/21/24 11:18*	*100*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/21/24 11:18*	*100*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/21/24 11:18*	*100*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/21/24 11:18*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	14000		1500	730	ug/L			08/18/24 02:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*		*08/18/24 02:13*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4100		204	93.0	ug/L		08/15/24 08:29	08/15/24 20:04	1
Motor Oil (>C24-C36)	514		358	133	ug/L		08/15/24 08:29	08/15/24 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*66*		*50 - 150*	*08/15/24 08:29*	*08/15/24 20:04*	*1*

Client: GHD Services Inc.
Job ID: 580-142941-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Client Sample ID: GW-081324-NU-MID 1
Lab Sample ID: 580-142941-2
Date Collected: 08/13/24 11:15
Matrix: Water
Date Received: 08/14/24 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.03**		1.00	0.240	ug/L			08/18/24 01:50	1
Toluene	ND		1.00	0.390	ug/L			08/18/24 01:50	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/18/24 01:50	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/18/24 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/18/24 01:50*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/18/24 01:50*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/18/24 01:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/18/24 01:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/18/24 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*08/18/24 01:50*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**346**		203	92.5	ug/L		08/15/24 08:29	08/15/24 20:25	1
Motor Oil (>C24-C36)	**351**	**J**	356	132	ug/L		08/15/24 08:29	08/15/24 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*50 - 150*	*08/15/24 08:29*	*08/15/24 20:25*	*1*

Client: GHD Services Inc.
Job ID: 580-142941-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Client Sample ID: GW-081324-NU-MID 2
Lab Sample ID: 580-142941-3
Date Collected: 08/13/24 11:00
Matrix: Water
Date Received: 08/14/24 12:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.04**		1.00	0.240	ug/L			08/18/24 01:27	1
Toluene	ND		1.00	0.390	ug/L			08/18/24 01:27	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/18/24 01:27	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/18/24 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/18/24 01:27*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/18/24 01:27*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/18/24 01:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/18/24 01:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/18/24 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*08/18/24 01:27*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**110**	**J**	203	92.5	ug/L		08/15/24 08:29	08/15/24 20:45	1
Motor Oil (>C24-C36)	**247**	**J**	356	132	ug/L		08/15/24 08:29	08/15/24 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*50 - 150*	*08/15/24 08:29*	*08/15/24 20:45*	*1*

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

Lab Sample ID: MB 580-468604/11
Matrix: Water
Analysis Batch: 468604

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/17/24 19:38	1
Toluene	ND		1.00	0.390	ug/L			08/17/24 19:38	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/17/24 19:38	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/17/24 19:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 19:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/17/24 19:38*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/17/24 19:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*80 - 120*		*08/17/24 19:38*	*1*

Lab Sample ID: LCS 580-468604/6
Matrix: Water
Analysis Batch: 468604

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.021		ug/L		100	80 - 122		
Toluene			5.00	5.044		ug/L		101	80 - 120		
Ethylbenzene			5.00	5.565		ug/L		111	80 - 120		
Xylenes, Total			10.0	11.24		ug/L		112	80 - 120		

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

Lab Sample ID: LCSD 580-468604/7
Matrix: Water
Analysis Batch: 468604

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			5.00	5.036		ug/L		101	80 - 122	0	14
Toluene			5.00	4.982		ug/L		100	80 - 120	1	13
Ethylbenzene			5.00	5.488		ug/L		110	80 - 120	1	14
Xylenes, Total			10.0	11.09		ug/L		111	80 - 120	1	16

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

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

Lab Sample ID: MB 580-468897/7
Matrix: Water
Analysis Batch: 468897

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.00	0.530	ug/L			08/21/24 03:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/21/24 03:33*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/21/24 03:33*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/21/24 03:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*08/21/24 03:33*	*1*

Lab Sample ID: LCS 580-468897/4
Matrix: Water
Analysis Batch: 468897

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			10.0	10.59		ug/L		106	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 580-468897/5
Matrix: Water
Analysis Batch: 468897

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
Xylenes, Total			10.0	10.38		ug/L		104	80 - 120	2	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: MB 580-468599/11
Matrix: Water
Analysis Batch: 468599

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/17/24 19:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*08/17/24 19:38*	*1*

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

Lab Sample ID: LCS 580-468599/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468599

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	586.7		ug/L		117	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*

Lab Sample ID: LCSD 580-468599/9 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468599

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			500	559.1		ug/L		112	55 - 148	5	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-468297/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468335 — **Prep Batch: 468297**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		200	91.0	ug/L		08/15/24 08:29	08/15/24 18:22	1
Motor Oil (>C24-C36)	ND		350	130	ug/L		08/15/24 08:29	08/15/24 18:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*50 - 150*	*08/15/24 08:29*	*08/15/24 18:22*	*1*

Lab Sample ID: LCS 580-468297/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468335 — **Prep Batch: 468297**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4000	2840		ug/L		71	50 - 120		
Motor Oil (>C24-C36)			4000	3080		ug/L		77	64 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*74*		*50 - 150*

Lab Sample ID: LCSD 580-468297/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468335 — **Prep Batch: 468297**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4000	2895		ug/L		72	50 - 120	2	26
Motor Oil (>C24-C36)			4000	3204		ug/L		80	64 - 120	4	24

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

Lab Sample ID: LCSD 580-468297/3-A
Matrix: Water
Analysis Batch: 468335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 468297

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	75		50 - 150

Lab Chronicle

Client: GHD Services Inc. Job ID: 580-142941-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Client Sample ID: GW-081324-NU-INF 1 — Lab Sample ID: 580-142941-1

Date Collected: 08/13/24 11:30 **Matrix: Water**
Date Received: 08/14/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	468604	JBT	EET SEA	08/18/24 02:13
Total/NA	Analysis	8260D	DL	100	468897	AA	EET SEA	08/21/24 11:18
Total/NA	Analysis	NWTPH-Gx		10	468599	JBT	EET SEA	08/18/24 02:13
Total/NA	Prep	3510C			468297	JW	EET SEA	08/15/24 08:29
Total/NA	Analysis	NWTPH-Dx		1	468335	SW	EET SEA	08/15/24 20:04

Client Sample ID: GW-081324-NU-MID 1 — Lab Sample ID: 580-142941-2

Date Collected: 08/13/24 11:15 **Matrix: Water**
Date Received: 08/14/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468604	JBT	EET SEA	08/18/24 01:50
Total/NA	Analysis	NWTPH-Gx		1	468599	JBT	EET SEA	08/18/24 01:50
Total/NA	Prep	3510C			468297	JW	EET SEA	08/15/24 08:29
Total/NA	Analysis	NWTPH-Dx		1	468335	SW	EET SEA	08/15/24 20:25

Client Sample ID: GW-081324-NU-MID 2 — Lab Sample ID: 580-142941-3

Date Collected: 08/13/24 11:00 **Matrix: Water**
Date Received: 08/14/24 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468604	JBT	EET SEA	08/18/24 01:27
Total/NA	Analysis	NWTPH-Gx		1	468599	JBT	EET SEA	08/18/24 01:27
Total/NA	Prep	3510C			468297	JW	EET SEA	08/15/24 08:29
Total/NA	Analysis	NWTPH-Dx		1	468335	SW	EET SEA	08/15/24 20:45

Laboratory References:

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

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 580-142941-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Laboratory: Eurofins Seattle

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

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

Sample Summary

Client: GHD Services Inc.
Job ID: 580-142941-1
Project/Site: GHD General - P66 Renton Terminal AOC 5228

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-142941-1	GW-081324-NU-INF 1	Water	08/13/24 11:30	08/14/24 12:30
580-142941-2	GW-081324-NU-MID 1	Water	08/13/24 11:15	08/14/24 12:30
580-142941-3	GW-081324-NU-MID 2	Water	08/13/24 11:00	08/14/24 12:30

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 08 · 13 · 24

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 / 12632944

P.O. NO.: 12632944-2024-03

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

SAMPLER(S): (PRINT) Nicole Ulakovic
Abby Palmgren

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:

Laboratory composite EFF 1, 2, 3 ,4 samples for BTEX and TPHg
Laboratory composite EFF 5, 6, 7 samples for Oil & Grease

REQUESTED ANALYSES

Please check box or fill in blank as needed.

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 (8260)	Oil & Grease (1664)
	GW-081324-NU-INF 1	08-13-24	11:30	GW	8		X		X	X	X	
	GW-081324-NU-MID 1	08-13-24	11:15	GW	8		X		X	X	X	
	GW-081324-NU-MID 2	08-13-24	11:00	GW	8		X		X	X	X	

580-142941 Chain of Custody

Therm. ID: #4 Cor: 3.1 Unc: 2.9
Cooler Dsc: LB
Packing: Bub
Cust. Seal: Yes No
Blue Ice, Wet, Dry, None
FedEx:
UPS:
Lab Courr: ✓
Other:

AP

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Abby Palmgren	GEL	8/14/24	1230
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

8/25/21 Revision

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-142941-1

Login Number: 142941
List Number: 1
Creator: Harp, Cordelia

List Source: Eurofins Seattle

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	

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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 / 12632944

JOB NUMBER

570-198478-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

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. Job ID: 570-198478-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Glossary

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

Job Narrative
570-198478-1

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

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

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

Receipt
The samples were received on 9/11/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 22.0°C.

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

Air - GC VOA
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.
Job ID: 570-198478-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Client Sample ID: A-091024-AP-INF
Lab Sample ID: 570-198478-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	500		8.1		ppb v/v	16.25		TO-15	Total/NA
Ethylbenzene	60		8.1		ppb v/v	16.25		TO-15	Total/NA
o-Xylene	240		8.1		ppb v/v	16.25		TO-15	Total/NA
m,p-Xylene	610		33		ppb v/v	16.25		TO-15	Total/NA
Toluene	400		8.1		ppb v/v	16.25		TO-15	Total/NA
Xylenes, Total	850		41		ppb v/v	16.25		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	58		1.0		ppm v/v	1		TO3	Total/NA

Client Sample ID: A-091024-AP-EFF
Lab Sample ID: 570-198478-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	8.2		0.50		ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.80		0.50		ppb v/v	1		TO-15	Total/NA
Toluene	1.2		0.50		ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client: GHD Services Inc.
Job ID: 570-198478-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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

Client Sample ID: A-091024-AP-INF
Lab Sample ID: 570-198478-1
Date Collected: 09/10/24 14:40
Matrix: Air
Date Received: 09/11/24 10:00
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**500**		8.1		ppb v/v			09/12/24 16:36	16.25
Ethylbenzene	**60**		8.1		ppb v/v			09/12/24 16:36	16.25
o-Xylene	**240**		8.1		ppb v/v			09/12/24 16:36	16.25
m,p-Xylene	**610**		33		ppb v/v			09/12/24 16:36	16.25
Toluene	**400**		8.1		ppb v/v			09/12/24 16:36	16.25
Xylenes, Total	**850**		41		ppb v/v			09/12/24 16:36	16.25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 132*		*09/12/24 16:36*	*16.25*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*09/12/24 16:36*	*16.25*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/12/24 16:36*	*16.25*

Client Sample ID: A-091024-AP-EFF
Lab Sample ID: 570-198478-2
Date Collected: 09/10/24 14:50
Matrix: Air
Date Received: 09/11/24 10:00
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**8.2**		0.50		ppb v/v			09/12/24 15:55	1
Ethylbenzene	**0.80**		0.50		ppb v/v			09/12/24 15:55	1
o-Xylene	ND		0.50		ppb v/v			09/12/24 15:55	1
m,p-Xylene	ND		2.0		ppb v/v			09/12/24 15:55	1
Toluene	**1.2**		0.50		ppb v/v			09/12/24 15:55	1
Xylenes, Total	ND		2.5		ppb v/v			09/12/24 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 132*		*09/12/24 15:55*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*09/12/24 15:55*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/12/24 15:55*	*1*

Client: GHD Services Inc. Job ID: 570-198478-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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

Client Sample ID: A-091024-AP-INF **Lab Sample ID: 570-198478-1**
Date Collected: 09/10/24 14:40 **Matrix: Air**
Date Received: 09/11/24 10:00
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	**58**		1.0		ppm v/v			09/11/24 16:22	1

Client Sample ID: A-091024-AP-EFF **Lab Sample ID: 570-198478-2**
Date Collected: 09/10/24 14:50 **Matrix: Air**
Date Received: 09/11/24 10:00
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0		ppm v/v			09/11/24 16:03	1

Surrogate Summary

Client: GHD Services Inc.
Job ID: 570-198478-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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

Matrix: Air
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(66-132)	(70-130)	(70-130)
570-198478-1	A-091024-AP-INF	100	103	103
570-198478-2	A-091024-AP-EFF	99	95	101
LCS 570-480057/3	Lab Control Sample	102	97	101
LCSD 570-480057/4	Lab Control Sample Dup	101	98	101
MB 570-480057/6	Method Blank	103	99	101

Surrogate Legend

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

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

Lab Sample ID: MB 570-480057/6
Matrix: Air
Analysis Batch: 480057

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			09/12/24 15:03	1
Ethylbenzene	ND		0.50		ppb v/v			09/12/24 15:03	1
o-Xylene	ND		0.50		ppb v/v			09/12/24 15:03	1
m,p-Xylene	ND		2.0		ppb v/v			09/12/24 15:03	1
Toluene	ND		0.50		ppb v/v			09/12/24 15:03	1
Xylenes, Total	ND		2.5		ppb v/v			09/12/24 15:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 132*		*09/12/24 15:03*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*09/12/24 15:03*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/12/24 15:03*	*1*

Lab Sample ID: LCS 570-480057/3
Matrix: Air
Analysis Batch: 480057

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	26.15		ppb v/v		105	68 - 134		
Ethylbenzene			25.0	26.20		ppb v/v		105	70 - 130		
o-Xylene			25.0	26.21		ppb v/v		105	68 - 130		
m,p-Xylene			50.0	53.04		ppb v/v		106	70 - 130		
Toluene			25.0	26.13		ppb v/v		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 132*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 570-480057/4
Matrix: Air
Analysis Batch: 480057

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	24.73		ppb v/v		99	68 - 134	6	25
Ethylbenzene			25.0	24.71		ppb v/v		99	70 - 130	6	25
o-Xylene			25.0	25.12		ppb v/v		100	68 - 130	4	25
m,p-Xylene			50.0	49.95		ppb v/v		100	70 - 130	6	25
Toluene			25.0	24.78		ppb v/v		99	70 - 130	5	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 132*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 570-479758/4
Matrix: Air
Analysis Batch: 479758

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			09/11/24 15:42	1

Lab Sample ID: LCS 570-479758/3
Matrix: Air
Analysis Batch: 479758

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	101.6		ppm v/v		102	80 - 120		

Lab Sample ID: 570-198478-1 DU
Matrix: Air
Analysis Batch: 479758

Client Sample ID: A-091024-AP-INF
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Organics (C6-C12)	58			59.11		ppm v/v				1	20

QC Association Summary

Client: GHD Services Inc.
Job ID: 570-198478-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Air - GC/MS VOA

Analysis Batch: 480057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-198478-1	A-091024-AP-INF	Total/NA	Air	TO-15	
570-198478-2	A-091024-AP-EFF	Total/NA	Air	TO-15	
MB 570-480057/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-480057/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-480057/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 479758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-198478-1	A-091024-AP-INF	Total/NA	Air	TO3	
570-198478-2	A-091024-AP-EFF	Total/NA	Air	TO3	
MB 570-479758/4	Method Blank	Total/NA	Air	TO3	
LCS 570-479758/3	Lab Control Sample	Total/NA	Air	TO3	
570-198478-1 DU	A-091024-AP-INF	Total/NA	Air	TO3	

Lab Chronicle

Client: GHD Services Inc. Job ID: 570-198478-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Client Sample ID: A-091024-AP-INF
Lab Sample ID: 570-198478-1
Date Collected: 09/10/24 14:40
Matrix: Air
Date Received: 09/11/24 10:00

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		16.25	250 mL	250 mL	480057	09/12/24 16:36	LW	EET CAL 4
	Instrument ID: GCMSNN									
Total/NA	Analysis	TO3		1	10 mL	10 mL	479758	09/11/24 16:22	I9H5	EET CAL 4
	Instrument ID: GC71									

Client Sample ID: A-091024-AP-EFF
Lab Sample ID: 570-198478-2
Date Collected: 09/10/24 14:50
Matrix: Air
Date Received: 09/11/24 10:00

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	480057	09/12/24 15:55	LW	EET CAL 4
	Instrument ID: GCMSNN									
Total/NA	Analysis	TO3		1	10 mL	10 mL	479758	09/11/24 16:03	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. Job ID: 570-198478-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-25
Washington	State	C916-18	10-11-24

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.
Job ID: 570-198478-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

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.
Job ID: 570-198478-1
Project/Site: P66 Renton Terminal AOC 5228 / 12632944

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-198478-1	A-091024-AP-INF	Air	09/10/24 14:40	09/11/24 10:00	Air Canister (1-Liter) #LC406
570-198478-2	A-091024-AP-EFF	Air	09/10/24 14:50	09/11/24 10:00	Air Canister (1-Liter) #SLC031

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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.

570-198478 Chain of Custody

Loc: 570
198478

CHAIN OF CUSTODY RECORD

DATE: 9/10/24

PAGE: 1 OF 1

LABORATORY CLIENT: GHD Services Inc.	CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 12632944
ADDRESS: 9725 3rd Avenue NE Ste 204	P.O. NO.: 12632944-2024-02
CITY: Seattle STATE: WA ZIP: 98115	PROJECT CONTACT: Rosemary Bier 206-802-1595, Fabio Minervini 949-648-5270
TEL: 206-802-1595 E-MAIL: rosemary.bier@ghd.com	SAMPLER(S): (PRINT) Abby Palmgren

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:

REQUESTED ANALYSES

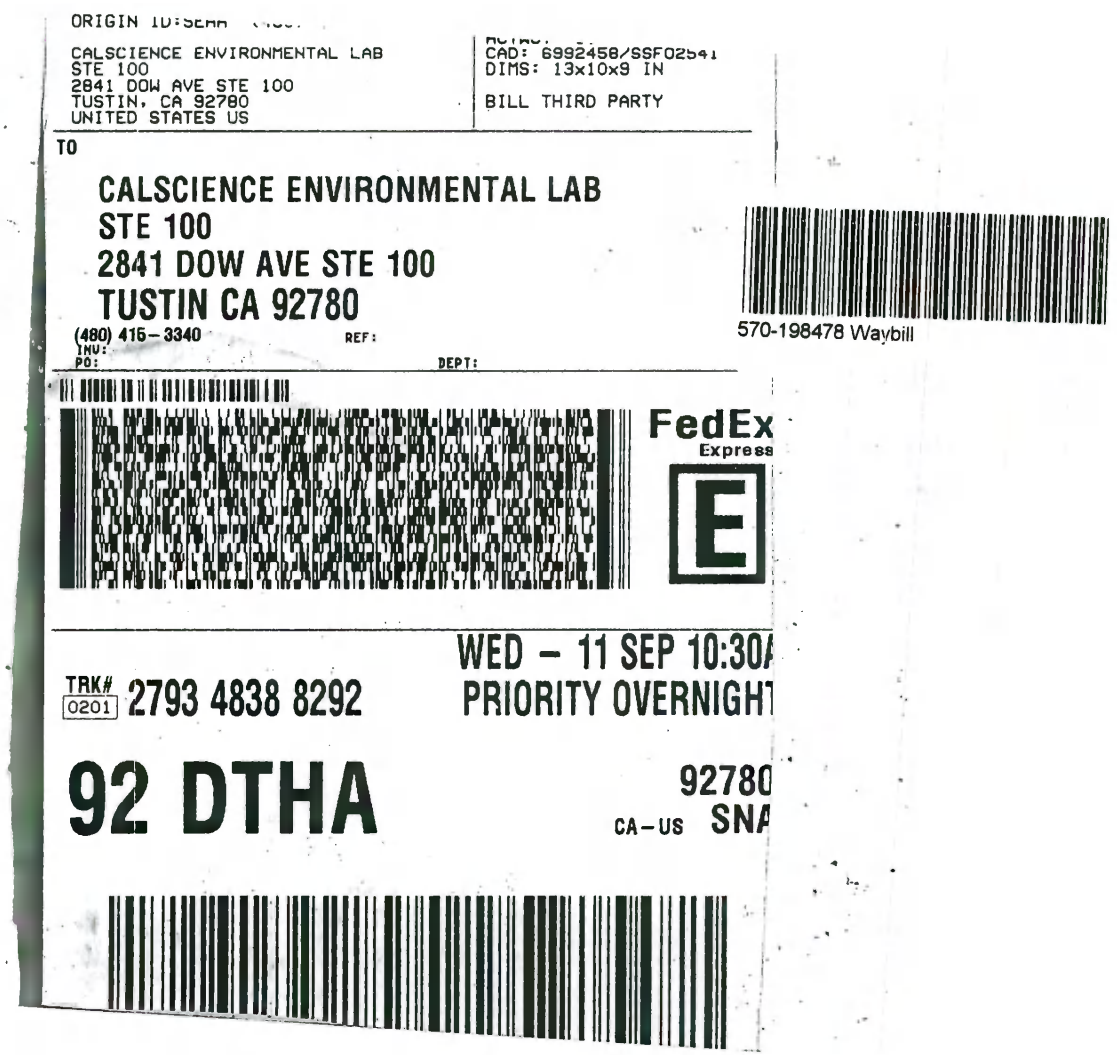
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	GRO (TO-3)	BTEX (TO-15)	
1	A-091024-AP-INF	9/10/24	1440	A	1	X			X	X	-5Hg
2	A-091024-AP-EFF	9/10/24	1450	A	1	X			X	X	-6Hg

AP

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Abby Palmgren	FedEx	9/10/24	1635
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature) FedEx	Received by: (Signature/Affiliation)	Date: 9/11/24	Time: 10:00

8/25/21 Revision


ORIGIN ID:SEMA

CALSCIENCE ENVIRONMENTAL LAB
STE 100
2841 DOW AVE STE 100
TUSTIN, CA 92780
UNITED STATES US

CAD: 6992458/SSF02541
DIMS: 13x10x9 IN

BILL THIRD PARTY

TO

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

(480) 416-3340

REF:

INV:

PO:

DEPT:

570-198478 Waybill

FedEx
Express

WED - 11 SEP 10:30A
PRIORITY OVERNIGHT

TRK# 0201 2793 4838 8292

92 DTHA

92780
CA-US SNA

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-198478-1

Login Number: 198478
List Number: 1
Creator: Cruise, Noel

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.	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 / 12632944

Job No.: 570-198478-1

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	Pressure Gauge ID	Date	Analyst Initials
570-198478-1	1	-29.5	-5.5	0.82	0.82	-2.70135	0.82	0.82		1.00	1.00	air mg 7	09/11/24 15:11	F5GP
570-198478-1	1	-29.5	-10	0.67	0.67	-1.96462	0.87	0.87		1.30	1.30	Air Mg-7	09/12/24 15:25	LW
570-198478-2	1	-29.5	-5	0.83	0.83	-2.45577	0.83	0.83		1.00	1.00	air mg 7	09/11/24 15:11	F5GP

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)

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1 2 3 4 5 6 7 8 9 10 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Rosemary Bier
GHD Services Inc.
3600 Port of Tacoma Road
Tacoma, Washington 98424

Generated 9/25/2024 4:43:43 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228/12632944

JOB NUMBER

580-143868-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization

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9/25/2024 4:43:43 PM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

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Job ID: 580-143868-1 Eurofins Seattle

Job Narrative
580-143868-1

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

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

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

Receipt
The samples were received on 9/11/2024 11:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

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

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

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

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

Definitions/Glossary

Client: GHD Services Inc. Job ID: 580-143868-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client Sample Results

Client: GHD Services Inc.
Job ID: 580-143868-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Client Sample ID: GW-091024-AP-EFF
Lab Sample ID: 580-143868-1
Date Collected: 09/10/24 12:00
Matrix: Water
Date Received: 09/11/24 11:07

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		205	93.4	ug/L		09/17/24 08:46	09/17/24 21:31	1
Motor Oil (>C24-C36)	ND		359	133	ug/L		09/17/24 08:46	09/17/24 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*09/17/24 08:46*	*09/17/24 21:31*	*1*

Client: GHD Services Inc.
Job ID: 580-143868-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Client Sample ID: GW-091024-AP-COMP1
Lab Sample ID: 580-143868-9
Date Collected: 09/10/24 00:00
Matrix: Water
Date Received: 09/11/24 11:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.00	0.390	ug/L			09/16/24 21:36	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/16/24 21:36	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/16/24 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*09/16/24 21:36*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*09/16/24 21:36*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*09/16/24 21:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*09/16/24 21:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/18/24 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/18/24 03:21*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*09/18/24 03:21*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*09/18/24 03:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*09/18/24 03:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			09/16/24 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*09/16/24 21:36*	*1*

Client Sample Results

Client: GHD Services Inc.
Job ID: 580-143868-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Client Sample ID: GW-091024-AP-COMP2
Lab Sample ID: 580-143868-10
Date Collected: 09/10/24 00:00
Matrix: Water
Date Received: 09/11/24 11:07

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664A)	**1.5**	**J**	5.2	1.5	mg/L		09/24/24 13:18	09/24/24 14:35	1
SGT-HEM (Oil and Grease - Nonpolar) (1664A)	ND		5.2	1.2	mg/L		09/24/24 13:18	09/24/24 14:35	1
HEM Polar (Oil and Grease - Polar) (1664A)	**1.5**	**J**	5.2	1.2	mg/L		09/24/24 13:18	09/24/24 14:35	1

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

Lab Sample ID: MB 580-471596/11
Matrix: Water
Analysis Batch: 471596

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/16/24 16:49	1
Toluene	ND		1.00	0.390	ug/L			09/16/24 16:49	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/16/24 16:49	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/16/24 16:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/16/24 16:49*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*09/16/24 16:49*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*09/16/24 16:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/16/24 16:49*	*1*

Lab Sample ID: LCS 580-471596/6
Matrix: Water
Analysis Batch: 471596

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.508		ug/L		110	80 - 122		
Toluene			5.00	4.688		ug/L		94	80 - 120		
Ethylbenzene			5.00	5.099		ug/L		102	80 - 120		
Xylenes, Total			10.0	10.26		ug/L		103	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*

Lab Sample ID: LCSD 580-471596/7
Matrix: Water
Analysis Batch: 471596

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			5.00	5.654		ug/L		113	80 - 122	3	14
Toluene			5.00	4.856		ug/L		97	80 - 120	4	13
Ethylbenzene			5.00	5.217		ug/L		104	80 - 120	2	14
Xylenes, Total			10.0	10.39		ug/L		104	80 - 120	1	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*

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

Lab Sample ID: MB 580-471759/7
Matrix: Water
Analysis Batch: 471759

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/17/24 22:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/17/24 22:44*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*09/17/24 22:44*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*09/17/24 22:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*09/17/24 22:44*	*1*

Lab Sample ID: LCS 580-471759/4
Matrix: Water
Analysis Batch: 471759

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.030		ug/L		101	80 - 122		

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

Lab Sample ID: LCSD 580-471759/5
Matrix: Water
Analysis Batch: 471759

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			5.00	5.009		ug/L		100	80 - 122	0	14

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

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

Lab Sample ID: MB 580-471591/11
Matrix: Water
Analysis Batch: 471591

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			09/16/24 16:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*09/16/24 16:49*	*1*

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

Lab Sample ID: LCS 580-471591/8
Matrix: Water
Analysis Batch: 471591

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	577.9		ug/L		116	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: LCSD 580-471591/9
Matrix: Water
Analysis Batch: 471591

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
Gasoline			500	569.7		ug/L		114	55 - 148	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

Lab Sample ID: 580-143568-F-12 MS
Matrix: Water
Analysis Batch: 471591

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline	ND		500	590.6		ug/L		118	55 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*

Lab Sample ID: 580-143568-F-12 MSD
Matrix: Water
Analysis Batch: 471591

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline	ND		500	609.0		ug/L		122	55 - 148	3	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-471666/1-A
Matrix: Water
Analysis Batch: 471642

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 471666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		200	91.0	ug/L		09/17/24 08:46	09/17/24 17:51	1
Motor Oil (>C24-C36)	ND		350	130	ug/L		09/17/24 08:46	09/17/24 17:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*50 - 150*	*09/17/24 08:46*	*09/17/24 17:51*	*1*

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

Lab Sample ID: LCS 580-471666/2-A
Matrix: Water
Analysis Batch: 471642

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 471666

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4000	3209		ug/L		80	50 - 120		
Motor Oil (>C24-C36)			4000	3339		ug/L		83	64 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*80*		*50 - 150*

Lab Sample ID: LCSD 580-471666/3-A
Matrix: Water
Analysis Batch: 471642

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 471666

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4000	3470		ug/L		87	50 - 120	8	26
Motor Oil (>C24-C36)			4000	3535		ug/L		88	64 - 120	6	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*84*		*50 - 150*

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 580-472535/1-A
Matrix: Water
Analysis Batch: 472559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 472535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0	1.5	mg/L		09/24/24 13:17	09/24/24 14:20	1
SGT-HEM (Oil and Grease - Nonpolar)	ND		5.0	1.2	mg/L		09/24/24 13:17	09/24/24 14:20	1
HEM Polar (Oil and Grease - Polar)	ND		5.0	1.2	mg/L		09/24/24 13:17	09/24/24 14:20	1

Lab Sample ID: LCS 580-472535/2-A
Matrix: Water
Analysis Batch: 472559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 472535

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
HEM (Oil & Grease)			39.8	35.62		mg/L		90	78 - 114		
SGT-HEM (Oil and Grease - Nonpolar)			19.9	14.53		mg/L		73	64 - 132		

Lab Sample ID: LCSD 580-472535/3-A
Matrix: Water
Analysis Batch: 472559

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 472535

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)			40.2	32.23		mg/L		80	78 - 114	10	18
SGT-HEM (Oil and Grease - Nonpolar)			20.1	12.95		mg/L		65	64 - 132	11	34

Lab Chronicle

Client: GHD Services Inc.
Job ID: 580-143868-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Client Sample ID: GW-091024-AP-EFF
Lab Sample ID: 580-143868-1
Date Collected: 09/10/24 12:00
Matrix: Water
Date Received: 09/11/24 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			471666	JW	EET SEA	09/17/24 08:46
Total/NA	Analysis	NWTPH-Dx		1	471642	SW	EET SEA	09/17/24 21:31

Client Sample ID: GW-091024-AP-COMP1
Lab Sample ID: 580-143868-9
Date Collected: 09/10/24 00:00
Matrix: Water
Date Received: 09/11/24 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	RA	1	471759	JBT	EET SEA	09/18/24 03:21
Total/NA	Analysis	8260D		1	471596	JBT	EET SEA	09/16/24 21:36
Total/NA	Analysis	NWTPH-Gx		1	471591	JBT	EET SEA	09/16/24 21:36

Client Sample ID: GW-091024-AP-COMP2
Lab Sample ID: 580-143868-10
Date Collected: 09/10/24 00:00
Matrix: Water
Date Received: 09/11/24 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1664A			472535	CSS	EET SEA	09/24/24 13:18
Total/NA	Analysis	1664A		1	472559	CSS	EET SEA	09/24/24 14:35

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

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 580-143868-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-25

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
1664A	1664A	Water	HEM Polar (Oil and Grease - Polar)

Washington	State	C788-24	07-13-25

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
1664A	1664A	Water	HEM Polar (Oil and Grease - Polar)

Sample Summary

Client: GHD Services Inc.
Job ID: 580-143868-1
Project/Site: P66 Renton Terminal AOC 5228/12632944

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-143868-1	GW-091024-AP-EFF	Water	09/10/24 12:00	09/11/24 11:07
580-143868-9	GW-091024-AP-COMP1	Water	09/10/24 00:00	09/11/24 11:07
580-143868-10	GW-091024-AP-COMP2	Water	09/10/24 00:00	09/11/24 11:07

Eurofins Calscience
2841 Dow Ave., Suite 100
Tustin CA 92780
Phone (949) 261-1022 Fax (949) 260-3297

Chain of Custody Record

eurofins | Calscience

Client Information	Sampler: Abby Palmgren	Lab PM: Pauline Mathock	Carrier Tracking No(s):	COC No:
Client Contact: Rosemary Bier	Phone: (206)802-1595	E-Mail: rosemary.bier@ghd.com		Page: 1 of 1
Company: GHD Services, Inc.				Job #:
Address: 9725 3rd Ave NE Ste 204	Due Date Requested:			
City: Seattle	TAT Requested (days): Standard			
State, Zip: WA, 98115				
Phone:	PO #:			
Email:	WO #:			
Project Name: P66 Renton Terminal AOC5228/12632944	Project #: 12632944			
Site:	SSOW#: 12632944-2024-03			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	DRO/ORO (NWTPH-Dx)	GRO (NWTPH-Gx)	BTEX (8260)	Oil & Grease (1664)	Total Number of containers	Special Instructions/Note:
Preservation Code:												
GW-091024-AP-EFF	9/10/24	1200	G	W			X				2	
GW-091024-AP-EFF 1	9/10/24	1200	G	W							2	Composite for COMP-1
GW-091024-AP-EFF 2	9/10/24	1215	G	W							2	Composite for COMP-1
GW-091024-AP-EFF 3	9/10/24	1230	G	W							2	Composite for COMP-1
GW-091024-AP-EFF 4	9/10/24	1245	G	W							2	Composite for COMP-1
GW-091024-AP-EFF 5	9/10/24	1200	G	W							2	Composite for COMP-2
GW-091024-AP-EFF 6	9/10/24	1215	G	W							2	Composite for COMP-2
GW-091024-AP-EFF 7	9/10/24	1230	G	W							2	Composite for COMP-2
GW-091024-AP-COMP 1	9/10/24		C	W			X	X			8	Lab composite of EFF 1,2, 3,4
GW-091024-AP-COMP 2	9/10/24		C	W					X		6	Lab composite of EFF 5,6,7

Therm. ID: IR Cor: 5.7 ° Unc: 5.4
Cooler Dsc: SR
Packing: Bubble
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Courr: X
Other: ___

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Abby Palmgren	9/11/24 1107	GHD		9/11/24 1107	EBI
2	Relinquished by:	Date/Time:	Company		e/Time:	Company
3	Relinquished by:	Date/Time:	Company		e/Time:	Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:

580-143868 Chain of Custody

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-143868-1
SDG Number:

Login Number: 143868
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Rosemary Bier
GHD Services Inc.
3600 Port of Tacoma Road
Tacoma, Washington 98424

Generated 9/25/2024 4:39:35 PM

JOB DESCRIPTION

P66 Renton Terminal AOC 5228

JOB NUMBER

580-143818-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization

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9/25/2024 4:39:35 PM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

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Job Narrative
580-143818-1

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

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

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

Receipt
The samples were received on 9/11/2024 11:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

Gasoline Range Organics
Method NWTPH_Gx_MS: The following sample was diluted to bring the concentration of target analytes within the calibration range: GW-091024-AP-INF 1 (580-143818-1). Elevated reporting limits (RLs) are provided.

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

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: GW-091024-AP-INF 1 (580-143818-1). 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.

Hydrocarbons
Method NWTPH_Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern is not comparable to the typical diesel fuel pattern used by the laboratory for quantitative purposes: GW-091024-AP-INF 1 (580-143818-1) and GW-091024-AP-MID 1 (580-143818-2).

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

Definitions/Glossary

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

Job ID: 580-143818-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

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

Job ID: 580-143818-1

Client Sample ID: GW-091024-AP-INF 1

Date Collected: 09/10/24 13:30
Date Received: 09/11/24 11:07

Lab Sample ID: 580-143818-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	571		10.0	2.40	ug/L			09/16/24 23:32	10
Toluene	188		10.0	3.90	ug/L			09/16/24 23:32	10
Ethylbenzene	97.3		10.0	5.00	ug/L			09/16/24 23:32	10
Naphthalene	172		30.0	9.30	ug/L			09/16/24 23:32	10
Xylenes, Total	1210		20.0	5.30	ug/L			09/16/24 23:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/16/24 23:32*	*10*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*09/16/24 23:32*	*10*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*09/16/24 23:32*	*10*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*09/16/24 23:32*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	11200		1500	730	ug/L			09/16/24 23:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*09/16/24 23:32*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3240		203	92.5	ug/L		09/17/24 08:46	09/17/24 21:51	1
Motor Oil (>C24-C36)	555		356	132	ug/L		09/17/24 08:46	09/17/24 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*09/17/24 08:46*	*09/17/24 21:51*	*1*

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

Job ID: 580-143818-1

Client Sample ID: GW-091024-AP-MID 1
Date Collected: 09/10/24 13:15
Date Received: 09/11/24 11:07

Lab Sample ID: 580-143818-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.67**		1.00	0.240	ug/L			09/16/24 19:17	1
Toluene	ND		1.00	0.390	ug/L			09/16/24 19:17	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/16/24 19:17	1
Naphthalene	ND		3.00	0.930	ug/L			09/16/24 19:17	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/16/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/16/24 19:17*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*09/16/24 19:17*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*09/16/24 19:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*09/16/24 19:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			09/16/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*09/16/24 19:17*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**260**		203	92.3	ug/L		09/17/24 08:46	09/17/24 22:12	1
Motor Oil (>C24-C36)	**250**	**J**	355	132	ug/L		09/17/24 08:46	09/17/24 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*50 - 150*	*09/17/24 08:46*	*09/17/24 22:12*	*1*

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

Job ID: 580-143818-1

Client Sample ID: GW-091024-AP-MID 2

Date Collected: 09/10/24 13:00
Date Received: 09/11/24 11:07

Lab Sample ID: 580-143818-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.83**		1.00	0.240	ug/L			09/16/24 19:40	1
Toluene	ND		1.00	0.390	ug/L			09/16/24 19:40	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/16/24 19:40	1
Naphthalene	ND		3.00	0.930	ug/L			09/16/24 19:40	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/16/24 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/16/24 19:40*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/16/24 19:40*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*09/16/24 19:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*09/16/24 19:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			09/16/24 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*09/16/24 19:40*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		202	91.8	ug/L		09/17/24 08:46	09/17/24 22:32	1
Motor Oil (>C24-C36)	ND		353	131	ug/L		09/17/24 08:46	09/17/24 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*50 - 150*	*09/17/24 08:46*	*09/17/24 22:32*	*1*

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

Lab Sample ID: MB 580-471596/11
Matrix: Water
Analysis Batch: 471596

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			09/16/24 16:49	1
Toluene	ND		1.00	0.390	ug/L			09/16/24 16:49	1
Ethylbenzene	ND		1.00	0.500	ug/L			09/16/24 16:49	1
Naphthalene	ND		3.00	0.930	ug/L			09/16/24 16:49	1
Xylenes, Total	ND		2.00	0.530	ug/L			09/16/24 16:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/16/24 16:49*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*09/16/24 16:49*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*09/16/24 16:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/16/24 16:49*	*1*

Lab Sample ID: LCS 580-471596/6
Matrix: Water
Analysis Batch: 471596

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.508		ug/L		110	80 - 122		
Toluene			5.00	4.688		ug/L		94	80 - 120		
Ethylbenzene			5.00	5.099		ug/L		102	80 - 120		
Naphthalene			5.00	5.815		ug/L		116	63 - 150		
Xylenes, Total			10.0	10.26		ug/L		103	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*

Lab Sample ID: LCSD 580-471596/7
Matrix: Water
Analysis Batch: 471596

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			5.00	5.654		ug/L		113	80 - 122	3	14
Toluene			5.00	4.856		ug/L		97	80 - 120	4	13
Ethylbenzene			5.00	5.217		ug/L		104	80 - 120	2	14
Naphthalene			5.00	5.722		ug/L		114	63 - 150	2	33
Xylenes, Total			10.0	10.39		ug/L		104	80 - 120	1	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*

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

Lab Sample ID: MB 580-471591/11
Matrix: Water
Analysis Batch: 471591

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			09/16/24 16:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*09/16/24 16:49*	*1*

Lab Sample ID: LCS 580-471591/8
Matrix: Water
Analysis Batch: 471591

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	577.9		ug/L		116	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: LCSD 580-471591/9
Matrix: Water
Analysis Batch: 471591

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
Gasoline			500	569.7		ug/L		114	55 - 148	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

Lab Sample ID: 580-143568-F-12 MS
Matrix: Water
Analysis Batch: 471591

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline	ND		500	590.6		ug/L		118	55 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*

Lab Sample ID: 580-143568-F-12 MSD
Matrix: Water
Analysis Batch: 471591

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline	ND		500	609.0		ug/L		122	55 - 148	3	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-471666/1-A
Matrix: Water
Analysis Batch: 471642

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 471666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		200	91.0	ug/L		09/17/24 08:46	09/17/24 17:51	1
Motor Oil (>C24-C36)	ND		350	130	ug/L		09/17/24 08:46	09/17/24 17:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*50 - 150*	*09/17/24 08:46*	*09/17/24 17:51*	*1*

Lab Sample ID: LCS 580-471666/2-A
Matrix: Water
Analysis Batch: 471642

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 471666

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4000	3209		ug/L		80	50 - 120		
Motor Oil (>C24-C36)			4000	3339		ug/L		83	64 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*80*		*50 - 150*

Lab Sample ID: LCSD 580-471666/3-A
Matrix: Water
Analysis Batch: 471642

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 471666

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4000	3470		ug/L		87	50 - 120	8	26
Motor Oil (>C24-C36)			4000	3535		ug/L		88	64 - 120	6	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*84*		*50 - 150*

Lab Chronicle

Client: GHD Services Inc.
Job ID: 580-143818-1
Project/Site: P66 Renton Terminal AOC 5228

Client Sample ID: GW-091024-AP-INF 1
Lab Sample ID: 580-143818-1
Date Collected: 09/10/24 13:30
Matrix: Water
Date Received: 09/11/24 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	471596	JBT	EET SEA	09/16/24 23:32
Total/NA	Analysis	NWTPH-Gx		10	471591	JBT	EET SEA	09/16/24 23:32
Total/NA	Prep	3510C			471666	JW	EET SEA	09/17/24 08:46
Total/NA	Analysis	NWTPH-Dx		1	471642	SW	EET SEA	09/17/24 21:51

Client Sample ID: GW-091024-AP-MID 1
Lab Sample ID: 580-143818-2
Date Collected: 09/10/24 13:15
Matrix: Water
Date Received: 09/11/24 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	471596	JBT	EET SEA	09/16/24 19:17
Total/NA	Analysis	NWTPH-Gx		1	471591	JBT	EET SEA	09/16/24 19:17
Total/NA	Prep	3510C			471666	JW	EET SEA	09/17/24 08:46
Total/NA	Analysis	NWTPH-Dx		1	471642	SW	EET SEA	09/17/24 22:12

Client Sample ID: GW-091024-AP-MID 2
Lab Sample ID: 580-143818-3
Date Collected: 09/10/24 13:00
Matrix: Water
Date Received: 09/11/24 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	471596	JBT	EET SEA	09/16/24 19:40
Total/NA	Analysis	NWTPH-Gx		1	471591	JBT	EET SEA	09/16/24 19:40
Total/NA	Prep	3510C			471666	JW	EET SEA	09/17/24 08:46
Total/NA	Analysis	NWTPH-Dx		1	471642	SW	EET SEA	09/17/24 22:32

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

Accreditation/Certification Summary

Client: GHD Services Inc.
Job ID: 580-143818-1
Project/Site: P66 Renton Terminal AOC 5228

Laboratory: Eurofins Seattle

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

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

Sample Summary

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

Job ID: 580-143818-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-143818-1	GW-091024-AP-INF 1	Water	09/10/24 13:30	09/11/24 11:07
580-143818-2	GW-091024-AP-MID 1	Water	09/10/24 13:15	09/11/24 11:07
580-143818-3	GW-091024-AP-MID 2	Water	09/10/24 13:00	09/11/24 11:07

eurofins | 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

WO # / LAB USE ONLY

DATE: 9/10/24

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 / 12632944

P.O. NO.: 12632944-2024-03

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

SAMPLER(S): (PRINT) Abby Palmgren

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:

~~Laboratory composite EFF 1, 2, 3 ,4 samples for BTEX and TPHg~~
~~Laboratory composite EFF 5, 6, 7 samples for Oil & Grease~~ AP

REQUESTED ANALYSES

Please check box or fill in blank as needed.

Therm. ID: 14 Cor: 5.7 ° Unc: 5.4 °
Cooler Dsc: SR
Packing: Bag
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Courr: X
Other: ___

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 (8260)	Oil & Grease (1664)
	GW- 091024 -AP- INF 1	9/10/24	1330	GW	8		X		X	X	X	
	GW- 091024 -AP - MID 1	9/10/24	1315	GW	8		X		X	X	X	
	GW- 091024 -AP - MID 2	9/10/24	1300	GW	8		X		X	X	X	

580-143818 Chain of Custody

AP

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Abby Palmgren	EETN	9/11/24	1107
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

8/25/21 Revision

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-143818-1

Login Number: 143818
List Number: 1
Creator: Prigge, Madison

List Source: Eurofins Seattle

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	

Appendix F

King County Self-Monitoring Reports

Industrial Waste Program Monthly Self-Monitoring Report

King County

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:** July **2024**

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	G	6.7	<0.0010	<0.0010	<0.0010	<0.0020	<4.9	4150	
23									
24									
25									
26									
27									
28									
29									
30									
31									

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.

Eli Gurian — Signature of Principal Executive or Authorized Agent

8/14/2024 — Date

Monthly Min pH	6.7		& Date	7/22/2024	Total Monthly Flow (gallons)	105,780	
Monthly Max pH		6.7	& Date	7/22/2024	Maximum Daily Flow	10,910	& Date 7/18/2024

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: **Monthly report is due by the 15th each month.**

Industrial Waste Program Monthly Self-Monitoring Report

King County

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:** August **2024**

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	G	6.0	<0.0010	<0.0010	<0.0010	<0.0020	<1.6	10,650	
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

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.

9/12/24

Signature of Principal Executive or Authorized Agent — Date

Monthly Min pH	6.0		& Date	8/13/2024	Total Monthly Flow (gallons)	277,190	
Monthly Max pH		6.0	& Date	8/13/2024	Maximum Daily Flow	16,000	& Date 8/28/2024

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: **Monthly report is due by the 15th each month.**

Industrial Waste Program Monthly Self-Monitoring Report

King County

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:** September **2024**

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	G	7.0	<0.0010	<0.0010	<0.0010	<0.0020	<5.20	5,980	
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

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.

Eli Gurian — Signature of Principal Executive or Authorized Agent

10/14/2024 — Date

Monthly Min pH	7.0		& Date	9/10/2024	Total Monthly Flow (gallons)	299,200	
Monthly Max pH		7.0	& Date	9/10/2024	Maximum Daily Flow	14,980	& Date 9/1/2024

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: **Monthly report is due by the 15th each month.**

Appendix G

Groundwater Monitoring Field Data Sheets

Project Number: 12632944

Water Level - 202407-Q3WL

Date:	Technician:	Site:
7/29/2024	AP	P66 Renton Terminal

Well ID	Date/Time		Depth to Water (ft BREF)	Depth to Bottom (ft BREF)	Well Dry?	Notes and Comments
DPE-10	7/29/24 16:23:52		11.66		No	
DPE-13	7/29/24 16:24:11		11.54		No	
DPE-37	7/29/24 13:45:23		7.50		No	
DPE-43	7/29/24 13:15:47		8.08		No	
DPE-47	7/29/24 13:02:18		7.00		No	
DPE-54	7/29/24 12:51:47	10.10	10.32		No	
DPE-57	7/29/24 12:26:11		9.56		No	
DPE-7	7/29/24 16:28:07	14.08	14.13		No	
DPE-8	7/29/24 16:34:21	11.16	11.93		No	
LAI-14	7/29/24 14:10:46		6.72		No	
MW-13	7/29/24 11:00:14		8.93		No	
MW-15	7/29/24 13:34:41		8.00		No	
MW-8	7/29/24 13:13:41		9.54		No	
RWX-5	7/29/24 16:25:32		10.87		No	

Project Number: 12632944

Water Level - 202407-Q3WL

Date:	Technician:	Site:
7/29/2024	AP	P66 Renton Terminal

Well ID	Date/Time		Depth to Water (ft BREF)	Depth to Bottom (ft BREF)	Well Dry?	Notes and Comments
DPE-11	7/29/24 16:24:37	12.74	12.84		No	
DPE-12	7/29/24 16:25:49		10.75		No	
DPE-27	7/29/24 14:26:27		8.94		No	
DPE-28	7/29/24 14:14:46		8.54		No	
DPE-34	7/29/24 15:37:34		9.10		No	
DPE-55	7/29/24 12:38:34		9.66		No	
DPE-6	7/29/24 16:26:54		12.17		No	
DPE-9	7/29/24 16:25:11		11.85		No	
DW-2	7/29/24 15:13:23		10.30		No	
MW-10	7/29/24 12:48:37		10.49		No	
MW-11	7/29/24 11:11:21		6.51		No	
MW-3	7/29/24 12:12:10		9.41		No	
MW-4	7/29/24 11:50:32		8.38		No	
MW-6	7/29/24 11:39:13		9.90		No	

Project Number: 12632944

Water Level - 202407-Q3WL

Date:	Technician:	Site:
7/29/2024	AP	P66 Renton Terminal

Well ID	Date/Time		Depth to Water (ft BREF)	Depth to Bottom (ft BREF)	Well Dry?	Notes and Comments
B-4	7/29/24 15:28:25		7.06		No	
B-6	7/29/24 15:23:15		6.95		No	
D-1R	7/29/24 13:58:25		9.44		No	
DPE-26	7/29/24 15:12:10	9.11	9.57		No	
DPE-29	7/29/24 14:04:11		8.53		No	
DPE-30	7/29/24 14:42:31		10.44		No	
DPE-38	7/29/24 13:28:15		6.25		No	
DPE-45	7/29/24 13:08:16		7.67		No	
LAI-13	7/29/24 14:05:19		6.53		No	
MW-1	7/29/24 12:21:47		9.77		No	
MW-12	7/29/24 11:26:05		8.28		No	
MW-16	7/29/24 10:55:41		9.68		No	
MW-2	7/29/24 13:46:41		9.43		No	
MW-7	7/29/24 13:07:41		10.38		No	

Project Number: 12632944

Water Level - 202407-Q3WL

Date:	Technician:	Site:
7/29/2024	AP	P66 Renton Terminal

Well ID	Date/Time	Depth to Water (ft BREF)	Depth to Bottom (ft BREF)	Well Dry?	Notes and Comments
DPE-33	7/29/24 15:01:43	9.78		No	
DPE-42	8/8/24 10:32:34			No	Not accessible
DPE-56	7/29/24 12:16:29	10.28		No	
MW-5	7/29/24 11:57:38	9.00		No	

Well Number: B-4 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** AP GHD **Date:** 7/30/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	5.4 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	12.50 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:**	7.1 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 10:35
Screen Length:	**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
10:35	0.00	250	7.10	0											
10:48	0.86	150	7.37	0.27		15.70	0.550	0.55	4.14	-133.5					
10:53	1.06	150	7.30	0.2		15.63	0.545	0.38	2.61	-111.0					
10:58	1.25	150	7.30	0.2		15.65	0.536	0.21	2.13	-123.0					
11:03	1.50	150	7.31	0.21		15.62	0.535	0.17	1.92	-117.5					
11:08	1.66	150	7.31	0.21		15.66	0.536	0.14	1.93	-113.4					
11:13	1.86	150	7.32	0.22		15.71	0.534	0.17	1.72	-118.2					
11:18	1.96	150	7.32	0.22		15.70	0.533	0.18	1.89	-113.9					
11:23	2.17	150	7.33	0.23		15.47	0.535	0.17	2.60	-120.9					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 2.17 gal

Water Depth at Sampling: 7.31 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073024-AP-B4	N	WG	G	7/30 11:25	No		8

Well Number: D-1R **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 8/1/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	10.56 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	20.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	19.95 ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:**	9.39 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 13:44
Screen Length:	**Well Diameter:**	2 in	**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
13:44	0.00	150	9.66	0.27											
13:50	0.22	150	9.66	0.27					3.62						
14:00	0.61	150	9.66	0.27		16.14	0.658	0.3	3.55	-92.4					
14:06	0.86	150	9.66	0.27		15.93	0.657	0.21	7.08	-92.3					
14:10	1.00	150	9.66	0.27		15.97	0.657	0.16	5.35	-92.8					
14:13	1.13	150	9.61	0.22		16.06	0.655	0.13	4.95	-93.0					
14:16	1.25	150	9.64	0.25		16.24	0.662	0.13	3.70	-94.5					
14:19	1.35	150	9.65	0.26		16.33	0.658	0.10	3.27	-94.4					
14:22	1.49	150	9.66	0.27		16.10	0.659	0.10	2.93	-94.6					
14:25	1.61	150		NA		16.14	0.657	0.10	3.22	-94.6					

Additional Notes including Field Parameters: **Comments:** Sample port set initially at 11.39

Total Volume Purged: 1.61 gal

Water Depth at Sampling: 9.65 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-080124-NU-D1R	N	WG	G	8/1 14:28	No		8
GW-080124-NU-DUP	N	WG	G	8/1 14:28	No		8

Well Number: DPE-28 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** Apw GHD **Date:** 8/2/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	14.49 ft	**SSOW Code:**	
Screen Material:		**Constructed Well Depth:**		**Ref Point Elev:**		**Measurement Type:**	
Screen Start Depth:		**Measured Well Depth:**	23.07 ft BREF	**Static Water Elev:**		**Sampling Method:**	
Screen End Depth:		**Static Water Depth:**	8.58 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:**	09:35
Screen Length:		**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
09:35	0.00	200	8.61	0.03											
09:55	1.02	200		NA		19.98	0.451	0.57	4.55	-35.8					
10:00	1.31	200		NA		20.31	0.451	0.41	4.97	-39.6					
10:05	1.55	200		NA		20.22	0.450	0.34	3.82	-41.1					
10:10	1.82	200		NA		20.38	0.450	0.26	3.24	-42.2					
10:15	2.13	200		NA		20.60	0.450	0.23	2.98	-43.8					
10:20	2.35	200		NA		20.54	0.449	0.21	3.19	-44.9					
10:25	2.61	200		NA		20.74	0.449	0.21	2.86	-46.1					

Additional Notes including Field Parameters: **Comments:** **Total Volume Purged:** 2.61 gal

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-080224-APW-DPE28	N	WG	G	8/2 10:26			

Well Number: DPE-47 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** AP GHD **Date:** 7/31/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**		**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:**	7.02 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 16:46
Screen Length:	**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
16:46	0.00	225	7.02	0											
16:55	0.55	225	7.12	0.1		24.91	0.611	2.42	3.52	-59.6					
17:00	0.86	225	7.14	0.12		24.48	0.603	0.64	2.63	-46.3					
17:05	0.86	225	7.15	0.13		24.28	0.598	0.41	2.07	-39.1					
17:11	1.21	225	7.17	0.15		24.31	0.597	0.30	1.85	-34.7					
17:15	1.50	225	7.18	0.16		24.50	0.596	0.27	2.16	-30.3					
17:22	1.87	225	7.19	0.17		23.97	0.596	0.25	1.58	-29.2					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 1.87 gal

Water Depth at Sampling: 7.19 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073124-AP-DPE47	N	WG	G	7/31 17:25	No	BTEX, TPHd, TPHo, TPHg	8
GW-073124-AP-DUP1	N	WG	G	7/31 17:25	No	BTEX, TPHd, TPHo, TPHg	8

Well Number: DW-2 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** Apw GHD **Date:** 8/1/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	29.67 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	40.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	39.99 ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:**
Screen End Depth:	**Static Water Depth:**	10.32 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 12:45
Screen Length:	**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
12:45		250	10.52	0.2											
12:50	0.30	250	10.52	0.2		28.35	0.392	0.32	5.68	-77.2					
13:00	0.96	250	10.52	0.2		28.75	0.467	0.24	2.09	-99.4					
13:06	1.36	250	10.52	0.2		29.27	0.486	0.21	11.2	-105.9					
13:10	1.62	250	10.52	0.2		28.65	0.528	0.21	4.99	-116.1					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 1.62 gal

Water Depth at Sampling: 10.52 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-080124-APW-DW2	N	WG	G	8/1 13:11			

Well Number: LAI-14 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 8/2/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	2.98 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:** 11.50 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**	
Screen Start Depth:	**Measured Well Depth:** 9.82 ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:**	Peristaltic Pump
Screen End Depth:	**Static Water Depth:** 6.84 ft BREF	**Well Volume:**	0.49 gal	**Purging Start Time:**	09:30
Screen Length:	**Well Diameter:** 2 in	**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
09:30	0.00	150	7.05	0.21					22.3						
09:39	0.33	145	7.31	0.47		14.51	0.635	0.66	16.1	-113.2					
09:43	0.49	145	7.55	0.71		14.37	0.633	0.37	11.3	-114.2					
09:45	0.57	140	7.53	0.69		14.38	0.628	0.34	6.35	-113.5					
09:48	0.68	140	7.71	0.87		14.27	0.625	0.29	4.01	-112.3					
09:51	0.79	140	7.80	0.96		14.32	0.619	0.29	3.13	-109.7					
09:54	0.90	140	7.85	1.01		14.38	0.618	0.25	4.46	-107.2					

Additional Notes including Field Parameters: **Comments:** Sample tubing set initially 2ft below static water depth **Total Volume Purged:** .9 gal

Water Depth at Sampling: 7.71 ft BREF

# of Screen Volumes: ?

# of Well Volumes: 1.84

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-080224-NU-LAI14	N	WG	G	8/2 9:58	No		8

Well Number: MW-1 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** ACP GHD **Date:** 7/30/2024

Monitoring Well Data:

Pump Depth:	11 ft BREF	**Water Column Length:**	10.31 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	20.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:**	9.69 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 10:44
Screen Length:	**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
10:44	0.00	200	9.93	0.24											
10:50	0.31	200	10.11	0.42		17.55	0.748	9.53	1.25	-66.3					
10:55	0.61	200	10.71	1.02		17.50	0.722	7.10	1.32	-61.1					
11:00	0.83	200	10.73	1.04		17.62	0.696	6.67	1.45	-57.0					
11:05	1.10	200	10.72	1.03		17.86	0.686	5.56	1.60	-51.4					
11:10	1.40	200	10.73	1.04		17.99	0.694	5.61	1.58	-45.2					
11:15	1.64	200	10.74	1.05		17.89	0.708	5.65	1.62	-42.3					

Additional Notes including Field Parameters:

Comments:

Total Volume Purged:	1.64	gal
Pump Depth at Sampling:	11	ft BREF
Water Depth at Sampling:	10.73	ft BREF
# of Screen Volumes:	?	
# of Well Volumes:	?	

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073024-APW-MW1	N	WG	G	7/30 11:16	No		8

Well Number: MW-10 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 8/1/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	9.83 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:** 20.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**	NA
Screen Start Depth:	**Measured Well Depth:** 20.29 ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:**	Peristaltic Pump
Screen End Depth:	**Static Water Depth:** 10.46 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:**	11:04
Screen Length:	**Well Diameter:** 2 in	**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
11:04	0.00	150	10.75	0.29											
11:10	0.25	130	11.0	0.54					1.04						
11:16	0.46	130	11.23	0.77		14.71	1.166	0.48	1.43	-94.2					
11:19	0.55	125	11.27	0.81		14.74	1.170	0.53	0.89	-94.8					
11:22	0.65	120	11.21	0.75		14.99	1.167	0.28	0.98	-94.9					
11:25	0.74	125	11.13	0.67		15.51	1.174	0.25	2.94	-98.2					
11:29	0.86	130	11.23	0.77		14.28	1.151	0.13	0.9	-97.7					
11:33	0.99	125	11.22	0.76		14.57	1.136	0.11	0.63	-96.2					
11:36	1.11	125	11.20	0.74		14.94	1.137	0.08	0.66	-94.4					
11:46	1.43	130	11.22	0.76		14.91	1.108	0.05	0.75	-90.7					
11:53	1.69	130	11.34	0.88		13.94	1.073	0.05	0.63	-91.2					
11:56	1.78	125	11.27	0.81		14.66	1.059	0.06	0.58	-91.2					
12:01	1.93	125	11.24	0.78		14.84	1.060	0.05	0.64	-91.3					
12:05	2.07	125	11.22	0.76		14.68	1.050	0.04	0.71	-89.9					
12:08	2.17	125	11.21	0.75		14.67	1.043	0.05	0.86	-89.3					
12:12	2.30	125	11.20	0.74		14.79	1.026	0.04	0.78	-87.5					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 2.5 gal

Water Depth at Sampling: 11.24 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-080124-NU-MW10	N	WG	G	8/1 12:20	No		8

Well Number: MW-10 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 8/1/2024

Page 2 ***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
12:15	2.41	125	11.19	0.73		14.68	1.018	0.04	0.83	-87.1					
12:18	2.50	125	11.19	0.73		14.60	1.005	0.04	0.69	-85.7					

Well Number: MW-11 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 7/31/2024

Monitoring Well Data:

Pump Depth:		ft BREF	**Water Column Length:**	13.94	ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	20.00	ft	**Ref Point Elev:**		ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**		ft BREF	**Static Water Elev:**		ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:**	6.06	ft BREF	**Well Volume:**	0	gal	**Purging Start Time:** 11:23
Screen Length:	**Well Diameter:**			**Screen Volume:**		gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
11:23			6.06	0											
11:30	0.00		6.20	0.14					28						
11:40	0.00		6.16	0.1		13.71	0.454	0.24	19	-100.1					
11:49	0.00		6.16	0.1		13.13	0.456	0.28	10.2	-104.4					
11:54	0.00		6.17	0.11		12.96	0.458	0.13	4.03	-108.3					
11:58	0.00		6.17	0.11		12.70	0.458	0.11	6.54	-110.0					
12:02	0.00		6.17	0.11		13.18	0.456	0.09	5.33	-96.9					
12:05	0.00		6.17	0.11		13.33	0.457	0.09	3.74	-92.5					
12:08	0.00		6.17	0.11		13.46	0.458	0.08	4.31	-93.8					

Additional Notes including Field Parameters:

Comments:

Total Volume Purged:	0	gal
Pump Depth at Sampling:	8.0	ft BREF
Water Depth at Sampling:	6.17	ft BREF
# of Screen Volumes:	?	
# of Well Volumes:	?	

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073124-NU-MW11	N	WG	G	7/31 12:15	No		8

Well Number: MW-12 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 7/31/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	11.78 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	20.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:**
Screen End Depth:	**Static Water Depth:**	8.22 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 12:45
Screen Length:	**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
12:45	0.00		8.22	0											
12:54	0.00		8.50	0.28					9						
13:02	0.00		8.56	0.34		15.57	0.331	0.2	6.28	-23.9					
13:14	0.00		8.57	0.35		15.85	0.341	0.09	2.45	-26.8					
13:18	0.00		8.55	0.33		15.79	0.345	0.07	4.55	-27.7					
13:22	0.00		8.51	0.29		15.98	0.350	0.05	2.81	-28.3					
13:26	0.00		8.51	0.29		16.17	0.358	0.05	4.24	-29.5					
13:29	0.00		8.51	0.29		16.17	0.363	0.07	3.99	-32.0					
13:32	0.00		8.51	0.29		16.15	0.370	0.07	2.60	-32.6					
13:36	0.00		8.50	0.28		16.17	0.378	0.07	2.01	-33.3					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 0 gal

Water Depth at Sampling: 8.55 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073124-NU-MW12	N	WG	G	7/31 13:39	No		8

Well Number: MW-13 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 7/31/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	11.05 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:** 20.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**	
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:**
Screen End Depth:	**Static Water Depth:** 8.95 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:**	15:40
Screen Length:	**Well Diameter:**	**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
15:40	0.00		8.95	0											
15:45	0.00		10.51	1.56					30.7						
15:56	0.00		10.50	1.55					15.1						
16:09	0.00		10.53	1.58		21.85	0.178	4.99	14.0	40.9					
16:13	0.00		10.53	1.58		21.42	0.177	4.16	10.2	46.0					
16:19	0.00		10.53	1.58		20.98	0.176	3.65	8.59	48.9					
16:23	0.00		10.56	1.61		20.84	0.177	3.39	9.26	48.2					
16:27	0.00		10.55	1.6		20.70	0.177	3.15	7.96	47.3					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 0 gal

Water Depth at Sampling: 10.53 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073124-NU-MW12	N	WG	G	7/31 16:30	No		8

Well Number: MW-15 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** AP GHD **Date:** 7/31/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	12.04 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	20.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:**	7.96 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 14:44
Screen Length:	**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
14:44		200	7.96	0											
14:53	0.53	200	9.04	1.08		18.94	0.410	2.65	1.33	-70.8					
14:58	0.76	200	9.18	1.22		19.02	0.400	0.77	2.21	-62.9					
15:03	1.04	200	9.29	1.33		19.42	0.389	0.55	1.01	-57.2					
15:08	1.32	200	9.38	1.42		19.30	0.383	0.43	1.06	-60.0					
15:13	1.69	200	9.41	1.45		19.46	0.392	0.38	1.07	-58.0					
15:18	2.06	200	9.45	1.49		19.38	0.400	0.34	1.18	-57.1					
15:23	2.36	200	9.47	1.51		19.33	0.402	0.32	1.35	-56.7					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 2.36 gal

Water Depth at Sampling: 9.18 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073124-AP-MW15	N	WG	G	7/31 15:25	No	BTEX, TPHd, TPHo, TPHg	8

Well Number: MW-16 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 7/31/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	11.3 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:** 20.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**	
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:** 8.7 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:**	17:17
Screen Length:	**Well Diameter:**	**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
17:17	0.00		9.1	0.4											
17:33	0.00		9.16	0.46					175						
17:42	0.00		9.12	0.42					332						
17:49	0.00		9.17	0.47					594						
17:52	0.00		9.11	0.41					33.1						
18:00	0.00		9.12	0.42		15.42	0.255	4.35	19.8	-23.7					
18:03	0.00		9.10	0.4		15.36	0.256	3.15	14.2	-26.0					
18:06	0.00		9.10	0.4		15.40	0.256	2.46	11.2	-29.0					
18:09	0.00		9.09	0.39		15.31	0.256	2.58	11.7	-30.5					
18:12	0.00		9.09	0.39		15.55	0.255	2.24	10.6	-31.7					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 0 gal

Water Depth at Sampling: 9.09 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073124-NU-MW16	N	WG	G	7/31 18:16	No		8

Well Number: MW-2 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** ACP GHD **Date:** 7/30/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	12.03 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	21.50 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:**
Screen End Depth:	**Static Water Depth:**	9.47 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 11:54
Screen Length:	**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
11:54	0.00	200	9.50	0.03											
12:00	0.43	200	9.48	0.01		17.93	0.491	2.65	12.3	-50.0					
12:05	0.85	200	9.48	0.01		18.00	0.494	0.69	10.3	-43.3					
12:10	1.12	200	9.48	0.01		17.96	0.495	0.59	9.84	-41.2					
12:15	1.39	200	9.48	0.01		17.85	0.497	0.50	5.88	-40.9					
12:20	1.65	200	9.48	0.01		18.04	0.498	0.50	4.97	-40.7					
12:25	1.91	200	9.48	0.01		17.78	0.501	0.47	4.06	-48.7					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 1.91 gal

Water Depth at Sampling: 9.48 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073024-APW-MW2	N	WG	G	7/30 12:26	No		8

Well Number: MW-3 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** Apw GHD **Date:** 8/1/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	10.43 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	20.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:**
Screen End Depth:	**Static Water Depth:**	9.57 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 15:52
Screen Length:	**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
15:52	0.00	200	9.97	0.4											
16:00	0.43	200	10.08	0.51		16.47	0.400	4.39	8.74	70.2					
16:05	0.74	200	10.37	0.8		16.34	0.250	0.80	11.3	84.7					
16:10	0.95	200	10.56	0.99		16.50	0.251	0.76	7.40	58.1					
16:15	1.17	200	10.80	1.23		16.58	0.250	0.66	5.24	47.4					
16:20	1.44	200	10.82	1.25		16.21	0.251	0.57	3.91	40.3					
16:25	1.71	200	10.91	1.34		16.01	0.249	0.49	4.21	39.4					
16:30	1.97	200	11.24	1.67		16.25	0.249	0.38	3.98	40.6					
16:35	2.23	200	11.41	1.84		16.07	0.249	0.31	2.49	36.04					
16:40	2.53	200	11.51	1.94		16.11	0.247	0.30	2.01	35.6					
16:45	2.76	200	10.62	1.05		15.67	0.246	0.28	2.68	35.5					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 2.76 gal

Water Depth at Sampling: 11.51 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW--080124-APW-MW3	N	WG	G	8/1 16:46			

Well Number: MW-4 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 8/1/2024

Monitoring Well Data:

Pump Depth:		ft BREF	**Water Column Length:**	11.41	ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	20.00	ft	**Ref Point Elev:**		ft AMSL	**Measurement Type:** NA
Screen Start Depth:	**Measured Well Depth:**	19.81	ft BREF	**Static Water Elev:**		ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:**	8.4	ft BREF	**Well Volume:**	1.86	gal	**Purging Start Time:** 16:02
Screen Length:	**Well Diameter:**	2	in	**Screen Volume:**		gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
16:02	0.00	160	8.89	0.49					16.6						
16:09	0.29	160	9.26	0.86					17.3						
16:16	0.56	150	9.79	1.39		13.05	0.327	1.31	13.6	-22.1					
16:19	0.70	150	10.10	1.7											
16:33	1.24	150	10.39	1.99		13.11	0.317	0.21	9.13	-29.3					
16:38	1.45	150	10.56	2.16		12.26	0.338	0.19	11.2	-32.0					
16:41	1.56	150	10.66	2.26		12.20	0.341	0.13	8.50	-35.0					
16:44	1.72	150	10.90	2.5		12.29	0.343	0.13	6.52	-36.5					
16:48	1.86	150	10.94	2.54		12.24	0.344	0.11	5.39	-37.4					
16:51	1.97	150		NA		12.26	0.336	0.09		-37.8					
17:04	2.50	150	11.27	2.87		12.25	0.318	0.05	4.04	-31.8					
17:07	2.59	150	11.39	2.99		12.01	0.326	0.03	4.03	-30.9					
17:13	2.83	150	11.43	3.03		12.31	0.324	0.04	8.78	-33.6					
17:16	2.95	150	11.44	3.04		12.51	0.323	0.04	7.48	-34.3					
17:19	3.06	150	11.45	3.05		12.49	0.322	0.02	4.72	-33.5					
17:22	3.18	150	11.46	3.06		12.64	0.321	0.02	5.60	-33.2					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 3.3 gal

Water Depth at Sampling: 10.94 ft BREF

# of Screen Volumes: ?

# of Well Volumes: 1.77

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-080124-NU-MW4	N	WG	G	8/1 17:30	No		8

Well Number: MW-4 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 8/1/2024

Page 2 ***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
17:25	3.30	150	11.47	3.07		12.61	0.321	0.02	4.85	-32.2					

Well Number: MW-6 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** Apw GHD **Date:** 8/2/2024

Monitoring Well Data:

Pump Depth:		ft BREF	**Water Column Length:**	10.06	ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	20.00	ft	**Ref Point Elev:**		ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**		ft BREF	**Static Water Elev:**		ft AMSL	**Sampling Method:**
Screen End Depth:	**Static Water Depth:**	9.94	ft BREF	**Well Volume:**	0	gal	**Purging Start Time:** 11:32
Screen Length:	**Well Diameter:**			**Screen Volume:**		gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
11:32	0.00	300	10.08	0.14											
11:50	1.40	300	10.08	0.14		15.50	0.486	0.65	1.93	-70.2					
11:55	1.81	300	10.08	0.14		15.68	0.486	0.58	1.35	-80.4					
12:00	2.21	300	10.08	0.14		15.49	0.488	0.49	1.27	-138.7					
12:05	3.24	300	10.08	0.14		16.17	0.490	0.41	1.63	-146.0					
12:10	3.30	300	10.08	0.14		14.42	0.488	0.37	1.35	-144.9					
12:15	3.37	300	10.08	0.14		14.19	0.468	0.28	1.21	-141.4					
12:20	3.80	300	10.08	0.14		14.22	0.487	0.25	1.58	-118.2					
12:25	4.21	300	10.08	0.14		14.19	0.487	0.20	1.24	-112.6					
12:30	4.57	300	10.08	0.14		14.08	0.488	0.21	1.61	-115.8					
12:35	4.96	300	10.08	0.14		14.13	0.488	0.21	1.24	-117.1					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 4.96 gal

Water Depth at Sampling: 10.08 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-080224-APW-MW6	N	WG	G	8/2 12:36			

Well Number: MW-7 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** Apw GHD **Date:** 8/1/2024

Monitoring Well Data:

Pump Depth:	11 ft BREF	**Water Column Length:**	9.58 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	20.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	19.87 ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:**
Screen End Depth:	**Static Water Depth:**	10.29 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 11:15
Screen Length:	**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
11:15	0.00	200	10.29	0											
11:26	0.60	200		NA		18.87	0.698	0.31	5.54	-65.0					
11:30	0.79	200		NA		18.89	0.701	0.27	2.69	-66.9					
11:35	1.06	200		NA		18.88	0.686	0.23	3.68	-70.5					
11:41	1.35	200		NA		18.81	0.670	0.18	5.53	-73.0					
11:44	1.51	200		NA		18.64	0.658	0.19	3.87	-74.1					
11:50	1.82	200		NA		18.51	0.645	0.16	3.02	-73.4					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 1.82 gal

Pump Depth at Sampling: 11 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-080124-APW-MW7	N	WG	G	8/1 11:51			

Well Number: MW-8 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** AP GHD **Date:** 8/1/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	10.48 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**	20.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:**
Screen End Depth:	**Static Water Depth:**	9.52 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:** 09:41
Screen Length:	**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
09:41		150	9.54	0.02											
09:50	0.36	150	9.61	0.09		20.58	0.784	0.94	3.99	-110.9					
09:55	0.54	150	9.67	0.15		20.26	0.779	0.58	3.04	-108.9					
10:00	0.75	150	9.71	0.19		20.32	0.773	0.45	3.93	-102.2					
10:05	0.95	150	9.72	0.2		20.22	0.768	0.39	2.74	-106.9					
10:10	1.16	150	9.72	0.2		20.30	0.756	0.32	2.27	-106.6					
10:15	1.36	150	9.72	0.2		20.50	0.754	0.33	2.08	-93.9					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 1.36 gal

Water Depth at Sampling: 9.72 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-080124-APW-MW8	N	WG	G	8/1 10:19			

Well Number: RWX-5 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** AP GHD **Date:** 7/31/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:** 10.00 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**	
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:** 10.95 ft BREF	**Well Volume:** 0	gal	**Purging Start Time:** 12:50	
Screen Length:	**Well Diameter:**	**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
12:50	0.00	225	10.95	0											
12:58	4.76	225	11.31	0.36		18.25	0.243	3.31	1.13	67.0					
13:03	9.10	225	11.47	0.52		17.94	0.241	2.50	0.68	79.3					
13:08	13.22	225	11.59	0.64		17.68	0.236	3.32	0.62	89.9					
13:13	17.11	225	11.70	0.75		17.68	0.239	2.10	0.81	91.9					
13:18	20.79	225	11.81	0.86		17.76	0.243	1.61	0.82	92.9					
13:23	20.84	225	11.95	1		17.53	0.240	1.57	0.60	94.3					
13:28	20.48	225	12.09	1.14		17.21	0.238	1.62	0.62	98.1					

Additional Notes including Field Parameters:

Comments: Started tubing at 13’ and adjusted slightly with drawdown. 2 gal purged. High drawdown with very low flow rate. Collected sample with drawdown not stable.

Total Volume Purged: 20.48 gal

Water Depth at Sampling: 11.7 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073124-AP-RWX5	N	WG	G	7/31 13:30	No	BTEX, TPHd, TPHo, TPHg	8

Well Number: B-6 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** AP GHD **Date:** 7/31/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	5.49 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:** 12.50 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**	
Screen Start Depth:	**Measured Well Depth:**	ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:** 7.01 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:**	10:30
Screen Length:	**Well Diameter:**	**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
10:30	0.00	200	7.01	0											
10:43	0.74	200	7.62	0.61		23.98	0.452	1.83	5.98	-26.1					
10:48	1.01	200	7.62	0.61		23.26	0.445	0.63	7.38	-29.3					
10:53	1.26	200	7.62	0.61		23.68	0.490	0.64	8.29	-31.2					
10:58	1.52	200	7.55	0.54		23.81	0.518	0.51	4.57	-35.1					
11:03	1.84	200	7.54	0.53		23.44	0.544	0.34	4.63	-37.2					
11:08	2.12	200	7.54	0.53		23.78	0.560	0.35	6.04	-37.0					
11:13	2.37	200	7.57	0.56		23.84	0.584	0.31	5.93	-42.2					
11:18	2.64	200	7.58	0.57		23.80	0.600	0.30	6.37	-44.0					

Additional Notes including Field Parameters:

Comments: Tubing installed at 9’ bgs. Sampled with drawdown not stable. Flow rate was low, but recharge was slow.

Total Volume Purged: 2.64 gal

Water Depth at Sampling: 7.58 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073124-AP-B6	N	WG	G	7/31 11:20	No		8

Well Number: LAI-13 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 8/2/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	3.18 ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:** 11.50 ft	**Ref Point Elev:**	ft AMSL	**Measurement Type:**	
Screen Start Depth:	**Measured Well Depth:** 9.79 ft BREF	**Static Water Elev:**	ft AMSL	**Sampling Method:**	Peristaltic Pump
Screen End Depth:	**Static Water Depth:** 6.61 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:**	10:32
Screen Length:	**Well Diameter:** 2 in	**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
10:32	0.00	150	6.73	0.12											
10:40	0.30	150	7.05	0.44					11.4						
10:47	0.57	150	7.26	0.65		15.80	0.486	0.40	17.1	-130.0					
10:50	0.69	150	7.35	0.74		15.68	0.485	0.29	12.9	-132.5					
10:53	0.82	150		NA											
11:00	1.10	150	7.70	1.09		14.99	0.493	0.24	43.8	-129.4					
11:03	1.22	150		NA											
11:09	1.47	150	7.79	1.18		14.12	0.499	0.31	80.1	-114.1					
11:12	1.56	150		NA											
11:22	1.99	150	8.20	1.59		15.56	0.484	3.9	42.9	-105.1					
11:27	2.18	150	8.41	1.8		13.81	0.506	4.34	48.0	-96.3					
11:32	2.37	150	8.78	2.17		13.84	0.491	0.72	41.6	-98.7					
11:35	2.49	150	8.90	2.29		13.75	0.491	0.65		-96.5					
11:43	2.81	150	8.75	2.14											
11:57	3.36	150	8.41	1.8					37.1						
12:08	3.80	150	8.53	1.92		14.64	0.497	2.83	15	-81.1					

Additional Notes including Field Parameters: **Comments:** Sample port set 2 ft below static water depth at start **Total Volume Purged:** 4.43 gal

Water Depth at Sampling: 8.78 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-080224-NU-LAI13	N	WG	G	8/2 12:28	No		8

Well Number: LAI-13 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** NU GHD **Date:** 8/2/2024

Columns below may be blank if not applicable

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
12:11	3.90	150	8.67	2.06		15.07	0.496	5.36	44.4	-77.5					
12:15	4.06	150		NA		14.77	0.502	3.50	27.3	-80.9					
12:18	4.18	150	8.89	2.28		14.27	0.499	2.14	14.6	-84.7					
12:21	4.30	150	8.89	2.28		14.18	0.490	1.91	7.27	-82.9					
12:24	4.43	150	9.15	2.54		14.08	0.483	1.85	4.63	-82.8					

Well Number: DPE-9 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** ACP GHD **Date:** 7/30/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	ft	**SSOW Code:**	
Screen Material:		**Constructed Well Depth:**		**Ref Point Elev:**		**Measurement Type:**	
Screen Start Depth:		**Measured Well Depth:**	ft BREF	**Static Water Elev:**		**Sampling Method:**	
Screen End Depth:		**Static Water Depth:**	11.91 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:**	14:29
Screen Length:		**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
14:29	0.00	200	11.91	0											
14:35	0.29	200	12.01	0.1		19.69	0.506	2.37	7.34	-28.5					
14:40	0.58	200	12.24	0.33		19.31	0.502	0.84	6.79	-25.3					
14:45	1.03	200	12.38	0.47		19.31	0.503	0.57	5.42	-31.5					
14:50	1.31	200	12.56	0.65		19.36	0.503	0.57	4.63	-31.6					
14:55	1.58	200	12.67	0.76		19.65	0.504	0.45	4.15	-33.8					
15:00	1.83	200		NA		19.74	0.510	0.41	3.99	-30.5					

Additional Notes including Field Parameters: **Comments:** Do too low to stabilize properly **Total Volume Purged:** 1.83 gal

Water Depth at Sampling: 12.38 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073024-APW-DPE9	N	WG	G	7/30 15:01	Yes		8

Well Number: DPE-12 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** AP GHD **Date:** 7/30/2024

Monitoring Well Data:

Pump Depth:		ft BREF	**Water Column Length:**		ft	**SSOW Code:**	
Screen Material:	**Constructed Well Depth:**			**Ref Point Elev:**		ft AMSL	**Measurement Type:**
Screen Start Depth:	**Measured Well Depth:**		ft BREF	**Static Water Elev:**		ft AMSL	**Sampling Method:** Peristaltic Pump
Screen End Depth:	**Static Water Depth:**	10.78	ft BREF	**Well Volume:**	0	gal	**Purging Start Time:** 16:42
Screen Length:	**Well Diameter:**			**Screen Volume:**		gal	***Columns below may be blank if not applicable***

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
16:42	0.00	250	10.78	0											
16:53	0.68	250	11.11	0.33		16.74	0.367	13.32	4.42	-88.7					
16:58	1.02	250	11.23	0.45		16.85	0.365	9.50	5.30	-83.7					
17:03	1.43	250	11.41	0.63		16.84	0.363	6.88	5.40	-81.3					
17:08	2.05	250	11.67	0.89		16.60	0.368	5.50	3.82	-82.3					
17:13	2.51	250	11.78	1		16.76	0.369	5.80	4.61	-82.4					
17:18	2.87	250	11.91	1.13		16.55	0.371	5.30	4.28	-82.9					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 2.87 gal

Water Depth at Sampling: 11.67 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073024-AP-DPE12	N	WG	G	7/30 17:22	No	BTEX, TPHd, TPHo, TPHg	8

Well Number: DPE-6 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** ACP GHD **Date:** 7/30/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	ft	**SSOW Code:**	
Screen Material:		**Constructed Well Depth:**		**Ref Point Elev:**		**Measurement Type:**	
Screen Start Depth:		**Measured Well Depth:**	ft BREF	**Static Water Elev:**		**Sampling Method:**	
Screen End Depth:		**Static Water Depth:**	12.27 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:**	16:55
Screen Length:		**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
16:55	0.00	150	12.27	0											
16:56	0.02	150	12.79	0.52		19.55	0.324	6.84	5.63	51.3					
16:56	0.03	150	12.78	0.51		19.65	0.321	7.51	8.68	63.9					
16:56	0.04	150	12.79	0.52		19.78	0.319	7.93	12.8	75					
16:56	0.05	150	13.13	0.86		16.57	0.327	7.28	9.52	34.6					
16:57	0.06	150	13.40	1.13		16.00	0.342	4.93	4.41	55.2					
17:13	0.71	150	14.00	1.73		15.38	0.342	0.61	1.85	53.2					

Additional Notes including Field Parameters: **Comments:** Transferred from paper forms **Total Volume Purged:** .71 gal

Water Depth at Sampling: 13.13 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073024-ACP-DPE6	N	WG	G	7/30 13:54	No		8

Well Number: DPE-10 **Project Name:** P66 Renton Terminal **Water Sampling Field Measurement Record Form**

Project Number: 12632944 **Sampling Event:** 202407-Q3WG **Personnel:** ACP GHD **Date:** 7/30/2024

Monitoring Well Data:

Pump Depth:	ft BREF	**Water Column Length:**	ft	**SSOW Code:**	
Screen Material:		**Constructed Well Depth:**		**Ref Point Elev:**		**Measurement Type:**	
Screen Start Depth:		**Measured Well Depth:**	ft BREF	**Static Water Elev:**		**Sampling Method:**	
Screen End Depth:		**Static Water Depth:**	11.81 ft BREF	**Well Volume:**	0 gal	**Purging Start Time:**	15:48
Screen Length:		**Well Diameter:**		**Screen Volume:**	gal	***Columns below may be blank if not applicable***	

Time	Cumulative Volume Purged (gal)	Purge Rate (mL/min)	Depth To Water (ft BREF)	Drawdown from Initial Water Level (ft)	Column Not Applicable	Temp (deg C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (millivolts)	Column Not Applicable	Column Not Applicable	Column Not Applicable	Column Not Applicable	Notes
			Precision Required	< 0.4		±% 3	± 5 or ± 10	±% 10	±% 10 or < 5	± 10					
15:48	0.00	200	11.81	0											
15:53	0.00	200	12.76	0.95		18.54	0.386	0.98	2.30	19.7					
15:58	0.31	200	13.10	1.29		17.88	0.383	0.62	1.96	23.2					
16:03	0.58	200	13.37	1.56		18.02	0.383	0.51	2.27	26.8					
16:08	0.86	200	13.64	1.83		17.99	0.384	0.53	2.05	29.0					
16:13	1.12	200	13.91	2.1		17.95	0.386	0.53	2.82	30.8					

Additional Notes including Field Parameters: **Comments:**

Total Volume Purged: 1.12 gal

Water Depth at Sampling: 11.81 ft BREF

# of Screen Volumes: ?

# of Well Volumes: ?

Sample ID	Type	Matrix	Comp/Grab	Date/Time	Filtered	Analysis	Containers
GW-073024-ACP-DPE10	N	WG	G	7/30 16:15	No		8

Appendix H

Groundwater Sample Analytical Reports

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Rosemary Bier
GHD Services Inc.
3600 Port of Tacoma Road
Tacoma, Washington 98424

Generated 8/15/2024 2:40:55 PM

JOB DESCRIPTION

P66 5228 2024 Site Activities - 2423 Lind Ave SW

JOB NUMBER

580-142556-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization

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Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

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Job ID: 580-142556-1 Eurofins Seattle

Job Narrative
580-142556-1

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

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

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

Receipt
The samples were received on 7/31/2024 11:58 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

Gasoline Range Organics
Method NWTPH_Gx_MS: The following samples were diluted to bring the concentration of target analytes within the calibration range: GW-073024-AP-B4 (580-142556-1), GW-073024-APW-DPE9 (580-142556-2), GW-073024-ACP-DPE6 (580-142556-4), GW-073024-AP-DPE12 (580-142556-6) and GW-073124-AP-B6 (580-142556-8). Elevated reporting limits (RLs) are provided.

Method NWTPH_Gx_MS: The method requirement for no headspace was not met. The following volatile sample was analyzed with significant headspace in the sample container(s): Trip Blank (580-142556-9). Significant headspace is defined as a bubble greater than 6 mm in diameter.

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

GC/MS VOA
Method 8260D: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis and to bring the concentration of target analytes within the calibration range: GW-073024-AP-B4 (580-142556-1), GW-073024-APW-DPE9 (580-142556-2), GW-073024-ACP-DPE10 (580-142556-3), GW-073024-ACP-DPE6 (580-142556-4), GW-073024-AP-DPE12 (580-142556-6) and GW-073124-AP-B6 (580-142556-8). Elevated reporting limits (RLs) are provided.

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with significant headspace in the sample container(s): Trip Blank (580-142556-9). Significant headspace is defined as a bubble greater than 6 mm in diameter.

Method 8260D: Surrogate recovery for the following samples were outside the upper control limit: GW-073024-APW-MW1 (580-142556-5) and GW-073024-APW-MW2 (580-142556-7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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

Definitions/Glossary

Client: GHD Services Inc. Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client Sample ID: GW-073024-AP-B4 — Lab Sample ID: 580-142556-1

Date Collected: 07/30/24 11:25 — **Matrix: Water**
Date Received: 07/31/24 11:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**311**		10.0	2.40	ug/L			08/03/24 14:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/03/24 14:23*	*10*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/03/24 14:23*	*10*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/03/24 14:23*	*10*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*08/03/24 14:23*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**36.8**		10.0	3.90	ug/L			08/06/24 04:48	10
Ethylbenzene	**670**		10.0	5.00	ug/L			08/06/24 04:48	10
Xylenes, Total	**828**		20.0	5.30	ug/L			08/06/24 04:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/06/24 04:48*	*10*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*08/06/24 04:48*	*10*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*08/06/24 04:48*	*10*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*08/06/24 04:48*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**20500**		1500	730	ug/L			08/03/24 14:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*08/03/24 14:23*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**5930**		205	93.4	ug/L		08/02/24 08:27	08/05/24 19:16	1
Motor Oil (>C24-C36)	**493**		359	133	ug/L		08/02/24 08:27	08/05/24 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*08/02/24 08:27*	*08/05/24 19:16*	*1*

Client: GHD Services Inc.
Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Client Sample ID: GW-073024-APW-DPE9
Lab Sample ID: 580-142556-2
Date Collected: 07/30/24 15:01
Matrix: Water
Date Received: 07/31/24 11:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8200		100	24.0	ug/L			08/06/24 05:32	100
Toluene	9890		100	39.0	ug/L			08/06/24 05:32	100
Ethylbenzene	2360		100	50.0	ug/L			08/06/24 05:32	100
Xylenes, Total	9420		200	53.0	ug/L			08/06/24 05:32	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/06/24 05:32*	*100*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*08/06/24 05:32*	*100*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*08/06/24 05:32*	*100*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/06/24 05:32*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	70600		1500	730	ug/L			08/03/24 14:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*08/03/24 14:46*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	5310		214	97.6	ug/L		08/02/24 08:27	08/05/24 19:36	1
Motor Oil (>C24-C36)	268	J	375	139	ug/L		08/02/24 08:27	08/05/24 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*08/02/24 08:27*	*08/05/24 19:36*	*1*

Client Sample ID: GW-073024-ACP-DPE10 Lab Sample ID: 580-142556-3

Date Collected: 07/30/24 16:15 **Matrix: Water**
Date Received: 07/31/24 11:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	79.0		1.00	0.240	ug/L			08/03/24 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/03/24 14:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/03/24 14:00*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*08/03/24 14:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*80 - 120*		*08/03/24 14:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	2450		100	50.0	ug/L			08/08/24 02:20	100
Xylenes, Total	11500		200	53.0	ug/L			08/08/24 02:20	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*08/08/24 02:20*	*100*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*08/08/24 02:20*	*100*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*08/08/24 02:20*	*100*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*		*08/08/24 02:20*	*100*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	20500		1000	390	ug/L			08/12/24 22:03	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/12/24 22:03*	*1000*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/12/24 22:03*	*1000*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/12/24 22:03*	*1000*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/12/24 22:03*	*1000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9010		150	73.0	ug/L			08/03/24 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*08/03/24 14:00*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	4650		203	92.6	ug/L		08/02/24 08:27	08/05/24 19:56	1
Motor Oil (>C24-C36)	143	J	356	132	ug/L		08/02/24 08:27	08/05/24 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*08/02/24 08:27*	*08/05/24 19:56*	*1*

Client: GHD Services Inc.
Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Client Sample ID: GW-073024-ACP-DPE6
Lab Sample ID: 580-142556-4
Date Collected: 07/30/24 13:54
Matrix: Water
Date Received: 07/31/24 11:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	34.5	J	100	24.0	ug/L			08/06/24 05:54	100
Toluene	140		100	39.0	ug/L			08/06/24 05:54	100
Ethylbenzene	388		100	50.0	ug/L			08/06/24 05:54	100
Xylenes, Total	2010		200	53.0	ug/L			08/06/24 05:54	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/06/24 05:54*	*100*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*08/06/24 05:54*	*100*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*08/06/24 05:54*	*100*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*08/06/24 05:54*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	15200		1500	730	ug/L			08/03/24 15:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*08/03/24 15:09*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2750		202	91.9	ug/L		08/02/24 08:27	08/05/24 20:16	1
Motor Oil (>C24-C36)	332	J	353	131	ug/L		08/02/24 08:27	08/05/24 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*74*		*50 - 150*	*08/02/24 08:27*	*08/05/24 20:16*	*1*

Client: GHD Services Inc.
Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Client Sample ID: GW-073024-APW-MW1
Lab Sample ID: 580-142556-5
Date Collected: 07/30/24 11:16
Matrix: Water
Date Received: 07/31/24 11:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/03/24 13:37	1
Toluene	ND		1.00	0.390	ug/L			08/03/24 13:37	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/03/24 13:37	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/03/24 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/03/24 13:37*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/03/24 13:37*	*1*
Dibromofluoromethane (Surr)	*127*	*S1+*	*80 - 120*		*08/03/24 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*08/03/24 13:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/03/24 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*08/03/24 13:37*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**319**		191	86.8	ug/L		08/02/24 08:27	08/05/24 20:36	1
Motor Oil (>C24-C36)	**339**		334	124	ug/L		08/02/24 08:27	08/05/24 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*08/02/24 08:27*	*08/05/24 20:36*	*1*

Client: GHD Services Inc.
Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Client Sample ID: GW-073024-AP-DPE12
Lab Sample ID: 580-142556-6
Date Collected: 07/30/24 17:22
Matrix: Water
Date Received: 07/31/24 11:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	398		10.0	2.40	ug/L			08/03/24 15:32	10
Toluene	241		10.0	3.90	ug/L			08/03/24 15:32	10
Ethylbenzene	798		10.0	5.00	ug/L			08/03/24 15:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/03/24 15:32*	*10*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/03/24 15:32*	*10*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*08/03/24 15:32*	*10*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 120*		*08/03/24 15:32*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	3020		200	53.0	ug/L			08/06/24 06:15	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/06/24 06:15*	*100*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*08/06/24 06:15*	*100*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*08/06/24 06:15*	*100*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*08/06/24 06:15*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	15100		1500	730	ug/L			08/03/24 15:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*08/03/24 15:32*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1350		204	92.6	ug/L		08/02/24 08:27	08/05/24 20:56	1
Motor Oil (>C24-C36)	189	J	356	132	ug/L		08/02/24 08:27	08/05/24 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*08/02/24 08:27*	*08/05/24 20:56*	*1*

Client: GHD Services Inc.
Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Client Sample ID: GW-073024-APW-MW2
Lab Sample ID: 580-142556-7
Date Collected: 07/30/24 12:26
Matrix: Water
Date Received: 07/31/24 11:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/03/24 13:13	1
Toluene	ND		1.00	0.390	ug/L			08/03/24 13:13	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/03/24 13:13	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/03/24 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/03/24 13:13*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/03/24 13:13*	*1*
Dibromofluoromethane (Surr)	*123*	*S1+*	*80 - 120*		*08/03/24 13:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*08/03/24 13:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/03/24 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*08/03/24 13:13*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**194**	**J**	219	99.8	ug/L		08/02/24 08:27	08/05/24 21:16	1
Motor Oil (>C24-C36)	**339**	**J**	384	143	ug/L		08/02/24 08:27	08/05/24 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*08/02/24 08:27*	*08/05/24 21:16*	*1*

Client Sample ID: GW-073124-AP-B6 — Lab Sample ID: 580-142556-8

Date Collected: 07/31/24 11:20 — **Matrix: Water**
Date Received: 07/31/24 11:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**915**		10.0	5.00	ug/L			08/05/24 22:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/05/24 22:57*	*10*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/05/24 22:57*	*10*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*08/05/24 22:57*	*10*
1,2-Dichloroethane-d4 (Surr)	*85*		*80 - 120*		*08/05/24 22:57*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2900**		100	24.0	ug/L			08/07/24 05:13	100
Toluene	ND		100	39.0	ug/L			08/07/24 05:13	100
Xylenes, Total	**61.8**	**J**	200	53.0	ug/L			08/07/24 05:13	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*08/07/24 05:13*	*100*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/07/24 05:13*	*100*
Dibromofluoromethane (Surr)	*115*		*80 - 120*		*08/07/24 05:13*	*100*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*08/07/24 05:13*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**5630**		1500	730	ug/L			08/05/24 22:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*08/05/24 22:57*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**4410**		195	88.7	ug/L		08/02/24 08:27	08/05/24 21:36	1
Motor Oil (>C24-C36)	**2040**		341	127	ug/L		08/02/24 08:27	08/05/24 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*08/02/24 08:27*	*08/05/24 21:36*	*1*

Client: GHD Services Inc.
Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Client Sample ID: Trip Blank
Lab Sample ID: 580-142556-9

Date Collected: 07/30/24 00:01
Matrix: Water
Date Received: 07/31/24 11:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/03/24 11:18	1
Toluene	ND		1.00	0.390	ug/L			08/03/24 11:18	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/03/24 11:18	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/03/24 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/03/24 11:18*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/03/24 11:18*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*08/03/24 11:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*08/03/24 11:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/03/24 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*08/03/24 11:18*	*1*

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

Lab Sample ID: MB 580-467063/11
Matrix: Water
Analysis Batch: 467063

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/03/24 10:55	1
Toluene	ND		1.00	0.390	ug/L			08/03/24 10:55	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/03/24 10:55	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/03/24 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/03/24 10:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/03/24 10:55*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*08/03/24 10:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*08/03/24 10:55*	*1*

Lab Sample ID: LCS 580-467063/6
Matrix: Water
Analysis Batch: 467063

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.279		ug/L		106	80 - 122		
Toluene			5.00	4.421		ug/L		88	80 - 120		
Ethylbenzene			5.00	4.782		ug/L		96	80 - 120		
Xylenes, Total			10.0	9.221		ug/L		92	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*112*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 580-467063/7
Matrix: Water
Analysis Batch: 467063

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			5.00	5.512		ug/L		110	80 - 122	4	14
Toluene			5.00	4.657		ug/L		93	80 - 120	5	13
Ethylbenzene			5.00	4.981		ug/L		100	80 - 120	4	14
Xylenes, Total			10.0	9.588		ug/L		96	80 - 120	4	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*

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

Lab Sample ID: MB 580-467156/11
Matrix: Water
Analysis Batch: 467156

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/05/24 15:10	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/05/24 15:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/05/24 15:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/05/24 15:10*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*08/05/24 15:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*08/05/24 15:10*	*1*

Lab Sample ID: LCS 580-467156/6
Matrix: Water
Analysis Batch: 467156

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	4.906		ug/L		98	80 - 122		
Ethylbenzene			5.00	4.150		ug/L		83	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*110*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*

Lab Sample ID: LCSD 580-467156/7
Matrix: Water
Analysis Batch: 467156

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			5.00	4.820		ug/L		96	80 - 122	2	14
Ethylbenzene			5.00	4.134		ug/L		83	80 - 120	0	14

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*

Lab Sample ID: MB 580-467248/10
Matrix: Water
Analysis Batch: 467248

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/05/24 23:22	1
Toluene	ND		1.00	0.390	ug/L			08/05/24 23:22	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/05/24 23:22	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/05/24 23:22	1

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

Lab Sample ID: MB 580-467248/10
Matrix: Water
Analysis Batch: 467248

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/05/24 23:22*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/05/24 23:22*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*08/05/24 23:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 120*		*08/05/24 23:22*	*1*

Lab Sample ID: LCS 580-467248/5
Matrix: Water
Analysis Batch: 467248

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			10.0	10.85		ug/L		108	80 - 122		
Toluene			10.0	10.99		ug/L		110	80 - 120		
Ethylbenzene			10.0	10.90		ug/L		109	80 - 120		
Xylenes, Total			20.0	22.87		ug/L		114	80 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*113*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*

Lab Sample ID: LCSD 580-467248/6
Matrix: Water
Analysis Batch: 467248

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			10.0	10.95		ug/L		110	80 - 122	1	14
Toluene			10.0	10.68		ug/L		107	80 - 120	3	13
Ethylbenzene			10.0	10.60		ug/L		106	80 - 120	3	14
Xylenes, Total			20.0	21.79		ug/L		109	80 - 120	5	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*116*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*

Lab Sample ID: MB 580-467350/11
Matrix: Water
Analysis Batch: 467350

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/06/24 21:31	1
Toluene	ND		1.00	0.390	ug/L			08/06/24 21:31	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/06/24 21:31	1

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

Lab Sample ID: MB 580-467350/11
Matrix: Water
Analysis Batch: 467350

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		08/06/24 21:31	1
4-Bromofluorobenzene (Surr)	104		80 - 120		08/06/24 21:31	1
Dibromofluoromethane (Surr)	115		80 - 120		08/06/24 21:31	1
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		08/06/24 21:31	1

Lab Sample ID: LCS 580-467350/6
Matrix: Water
Analysis Batch: 467350

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.340		ug/L		107	80 - 122		
Toluene			5.00	4.803		ug/L		96	80 - 120		
Xylenes, Total			10.0	9.408		ug/L		94	80 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	94		80 - 120

Lab Sample ID: LCSD 580-467350/7
Matrix: Water
Analysis Batch: 467350

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			5.00	5.344		ug/L		107	80 - 122	0	14
Toluene			5.00	4.552		ug/L		91	80 - 120	5	13
Xylenes, Total			10.0	8.898		ug/L		89	80 - 120	6	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
1,2-Dichloroethane-d4 (Surr)	94		80 - 120

Lab Sample ID: MB 580-467493/11
Matrix: Water
Analysis Batch: 467493

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.00	0.500	ug/L			08/07/24 20:57	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/07/24 20:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		08/07/24 20:57	1
4-Bromofluorobenzene (Surr)	108		80 - 120		08/07/24 20:57	1
Dibromofluoromethane (Surr)	116		80 - 120		08/07/24 20:57	1

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

Lab Sample ID: MB 580-467493/11
Matrix: Water
Analysis Batch: 467493

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		08/07/24 20:57	1

Lab Sample ID: LCS 580-467493/6
Matrix: Water
Analysis Batch: 467493

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	5.00	4.406		ug/L		88	80 - 120
Xylenes, Total	10.0	8.481		ug/L		85	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	89		80 - 120
4-Bromofluorobenzene (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	98		80 - 120

Lab Sample ID: LCSD 580-467493/7
Matrix: Water
Analysis Batch: 467493

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
Ethylbenzene	5.00	4.348		ug/L		87	80 - 120	1	14
Xylenes, Total	10.0	8.228		ug/L		82	80 - 120	3	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	88		80 - 120
4-Bromofluorobenzene (Surr)	110		80 - 120
Dibromofluoromethane (Surr)	111		80 - 120
1,2-Dichloroethane-d4 (Surr)	98		80 - 120

Lab Sample ID: MB 580-467923/11
Matrix: Water
Analysis Batch: 467923

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.00	0.390	ug/L			08/12/24 15:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		08/12/24 15:17	1
4-Bromofluorobenzene (Surr)	102		80 - 120		08/12/24 15:17	1
Dibromofluoromethane (Surr)	113		80 - 120		08/12/24 15:17	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		08/12/24 15:17	1

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

Lab Sample ID: LCS 580-467923/6
Matrix: Water
Analysis Batch: 467923

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Toluene			5.00	4.700		ug/L		94	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*

Lab Sample ID: LCSD 580-467923/7
Matrix: Water
Analysis Batch: 467923

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			5.00	4.826		ug/L		97	80 - 120	3	13

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: MB 580-467059/11
Matrix: Water
Analysis Batch: 467059

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/03/24 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*08/03/24 10:55*	*1*

Lab Sample ID: LCS 580-467059/8
Matrix: Water
Analysis Batch: 467059

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	523.9		ug/L		105	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

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

Lab Sample ID: LCSD 580-467059/9 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467059

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			500	518.0		ug/L		104	55 - 148	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: MB 580-467152/11 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/05/24 15:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*08/05/24 15:10*	*1*

Lab Sample ID: LCS 580-467152/8 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467152

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	500.5		ug/L		100	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: LCSD 580-467152/9 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467152

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			500	487.3		ug/L		98	55 - 148	3	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-466900/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 467181 — **Prep Batch: 466900**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		200	91.0	ug/L		08/02/24 08:27	08/05/24 16:54	1
Motor Oil (>C24-C36)	ND		350	130	ug/L		08/02/24 08:27	08/05/24 16:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*08/02/24 08:27*	*08/05/24 16:54*	*1*

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

Lab Sample ID: LCS 580-466900/2-A
Matrix: Water
Analysis Batch: 467181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 466900

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4000	3363		ug/L		84	50 - 120		
Motor Oil (>C24-C36)			4000	3549		ug/L		89	64 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*73*		*50 - 150*

Lab Sample ID: LCSD 580-466900/3-A
Matrix: Water
Analysis Batch: 467181

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 466900

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4000	3564		ug/L		89	50 - 120	6	26
Motor Oil (>C24-C36)			4000	3657		ug/L		91	64 - 120	3	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*80*		*50 - 150*

Lab Chronicle

Client: GHD Services Inc. Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Client Sample ID: GW-073024-AP-B4 — Lab Sample ID: 580-142556-1

Date Collected: 07/30/24 11:25 — **Matrix: Water**
Date Received: 07/31/24 11:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	RA	10	467248	K1K	EET SEA	08/06/24 04:48
Total/NA	Analysis	8260D		10	467063	AA	EET SEA	08/03/24 14:23
Total/NA	Analysis	NWTPH-Gx		10	467059	AA	EET SEA	08/03/24 14:23
Total/NA	Prep	3510C			466900	JW	EET SEA	08/02/24 08:27
Total/NA	Analysis	NWTPH-Dx		1	467181	SW	EET SEA	08/05/24 19:16

Client Sample ID: GW-073024-APW-DPE9 — Lab Sample ID: 580-142556-2

Date Collected: 07/30/24 15:01 — **Matrix: Water**
Date Received: 07/31/24 11:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		100	467248	K1K	EET SEA	08/06/24 05:32
Total/NA	Analysis	NWTPH-Gx		10	467059	AA	EET SEA	08/03/24 14:46
Total/NA	Prep	3510C			466900	JW	EET SEA	08/02/24 08:27
Total/NA	Analysis	NWTPH-Dx		1	467181	SW	EET SEA	08/05/24 19:36

Client Sample ID: GW-073024-ACP-DPE10 — Lab Sample ID: 580-142556-3

Date Collected: 07/30/24 16:15 — **Matrix: Water**
Date Received: 07/31/24 11:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467063	AA	EET SEA	08/03/24 14:00
Total/NA	Analysis	8260D	DL	100	467493	AA	EET SEA	08/08/24 02:20
Total/NA	Analysis	8260D	DL2	1000	467923	AA	EET SEA	08/12/24 22:03
Total/NA	Analysis	NWTPH-Gx		1	467059	AA	EET SEA	08/03/24 14:00
Total/NA	Prep	3510C			466900	JW	EET SEA	08/02/24 08:27
Total/NA	Analysis	NWTPH-Dx		1	467181	SW	EET SEA	08/05/24 19:56

Client Sample ID: GW-073024-ACP-DPE6 — Lab Sample ID: 580-142556-4

Date Collected: 07/30/24 13:54 — **Matrix: Water**
Date Received: 07/31/24 11:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		100	467248	K1K	EET SEA	08/06/24 05:54
Total/NA	Analysis	NWTPH-Gx		10	467059	AA	EET SEA	08/03/24 15:09
Total/NA	Prep	3510C			466900	JW	EET SEA	08/02/24 08:27
Total/NA	Analysis	NWTPH-Dx		1	467181	SW	EET SEA	08/05/24 20:16

Client Sample ID: GW-073024-APW-MW1 — Lab Sample ID: 580-142556-5

Date Collected: 07/30/24 11:16 — **Matrix: Water**
Date Received: 07/31/24 11:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467063	AA	EET SEA	08/03/24 13:37

Lab Chronicle

Client: GHD Services Inc. Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Client Sample ID: GW-073024-APW-MW1 — Lab Sample ID: 580-142556-5

Date Collected: 07/30/24 11:16 — **Matrix: Water**
Date Received: 07/31/24 11:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	467059	AA	EET SEA	08/03/24 13:37
Total/NA	Prep	3510C			466900	JW	EET SEA	08/02/24 08:27
Total/NA	Analysis	NWTPH-Dx		1	467181	SW	EET SEA	08/05/24 20:36

Client Sample ID: GW-073024-AP-DPE12 — Lab Sample ID: 580-142556-6

Date Collected: 07/30/24 17:22 — **Matrix: Water**
Date Received: 07/31/24 11:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	100	467248	K1K	EET SEA	08/06/24 06:15
Total/NA	Analysis	8260D		10	467063	AA	EET SEA	08/03/24 15:32
Total/NA	Analysis	NWTPH-Gx		10	467059	AA	EET SEA	08/03/24 15:32
Total/NA	Prep	3510C			466900	JW	EET SEA	08/02/24 08:27
Total/NA	Analysis	NWTPH-Dx		1	467181	SW	EET SEA	08/05/24 20:56

Client Sample ID: GW-073024-APW-MW2 — Lab Sample ID: 580-142556-7

Date Collected: 07/30/24 12:26 — **Matrix: Water**
Date Received: 07/31/24 11:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467063	AA	EET SEA	08/03/24 13:13
Total/NA	Analysis	NWTPH-Gx		1	467059	AA	EET SEA	08/03/24 13:13
Total/NA	Prep	3510C			466900	JW	EET SEA	08/02/24 08:27
Total/NA	Analysis	NWTPH-Dx		1	467181	SW	EET SEA	08/05/24 21:16

Client Sample ID: GW-073124-AP-B6 — Lab Sample ID: 580-142556-8

Date Collected: 07/31/24 11:20 — **Matrix: Water**
Date Received: 07/31/24 11:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	467156	AA	EET SEA	08/05/24 22:57
Total/NA	Analysis	8260D	DL	100	467350	AA	EET SEA	08/07/24 05:13
Total/NA	Analysis	NWTPH-Gx		10	467152	JBT	EET SEA	08/05/24 22:57
Total/NA	Prep	3510C			466900	JW	EET SEA	08/02/24 08:27
Total/NA	Analysis	NWTPH-Dx		1	467181	SW	EET SEA	08/05/24 21:36

Client Sample ID: Trip Blank — Lab Sample ID: 580-142556-9

Date Collected: 07/30/24 00:01 — **Matrix: Water**
Date Received: 07/31/24 11:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467063	AA	EET SEA	08/03/24 11:18
Total/NA	Analysis	NWTPH-Gx		1	467059	AA	EET SEA	08/03/24 11:18

Lab Chronicle

Client: GHD Services Inc.
Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Laboratory References:

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

Accreditation/Certification Summary

Client: GHD Services Inc. Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Laboratory: Eurofins Seattle

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

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

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	Water	#2 Diesel (C10-C24)
NWTPH-Dx	3510C	Water	Motor Oil (>C24-C36)

Sample Summary

Client: GHD Services Inc.
Job ID: 580-142556-1
Project/Site: P66 5228 2024 Site Activities - 2423 Lind Ave SW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-142556-1	GW-073024-AP-B4	Water	07/30/24 11:25	07/31/24 11:58
580-142556-2	GW-073024-APW-DPE9	Water	07/30/24 15:01	07/31/24 11:58
580-142556-3	GW-073024-ACP-DPE10	Water	07/30/24 16:15	07/31/24 11:58
580-142556-4	GW-073024-ACP-DPE6	Water	07/30/24 13:54	07/31/24 11:58
580-142556-5	GW-073024-APW-MW1	Water	07/30/24 11:16	07/31/24 11:58
580-142556-6	GW-073024-AP-DPE12	Water	07/30/24 17:22	07/31/24 11:58
580-142556-7	GW-073024-APW-MW2	Water	07/30/24 12:26	07/31/24 11:58
580-142556-8	GW-073124-AP-B6	Water	07/31/24 11:20	07/31/24 11:58
580-142556-9	Trip Blank	Water	07/30/24 00:01	07/31/24 11:58

Eurofins Calscience
2841 Dow Ave., Suite 100
Tustin CA 92780
Phone (949) 261-1022 Fax (949) 260-3297

Chain of Custody Record

eurofins | Calscience

Client Information	Sampler: Abby Palmgren, Annika Pom, Alexa Penna-Waterman	Lab PM: Pauline Matlock	Carrier Tracking No(s):	COC No:
Client Contact: Rosemary Bier	Phone: (206)802-1595	E-Mail: pauline.matlock@et.eurofins.com rosemary.bier@ghd.com		Page: 1 of 1
Company: GHD Services, Inc.		Analysis Requested		Job #:
Address: 9725 3rd Avenue NE Ste 204	Due Date Requested:			Preservation Codes:
City: Seattle	TAT Requested (days): Standard			
State, Zip: WA, 98115	PO #:			
Phone: (206)802-1595 ; (949)648-5270	WO #:			
Email: rosemary.bier@ghd.com; fabio.minervini@ghd.com	Project #: 12632944			
Project Name: P66 5228 2024 Site Activities	SSOW#: 12632944-2024-01			
Site: 2423 Lind Avenue SW				

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TPHg by NWTPH-Gx	TPHd/o by NWTPH-Dx	BTEX by 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
GW-073024-AP-B4	7/30/24	1125	G	W			X	X	X		
GW-073024-APW-DPE9	7/30/24	1501	G	W			X	X	X		
GW-073024-ACP-DPE10	7/30/24	1615	G	W			X	X	X		
GW-073024-ACP-DPE6	7/30/24	1354	G	W			X	X	X		
GW-073024-APW-MW1	7/30/24	1116	G	W			X	X	X		
GW-073024-AP-DPE12	7/30/24	1722	G	W			X	X	X		
GW-073024-APW-MW2	7/30/24	1226	G	W			X	X	X		
GW-073124-AP-B6	7/31/24	1120	G	W			X	X	X		

580-142586 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Abby Palmgren	7/31/24 1158	GHD		7/31/24 1158	EEIN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR14 4.3/4.0 UB/Bub/Wet/LC

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-142556-1
SDG Number:

Login Number: 142556
List Number: 1
Creator: Bently, Camden

List Source: Eurofins Seattle

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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Rosemary Bier
GHD Services Inc.
3600 Port of Tacoma Road
Tacoma, Washington 98424

Generated 8/19/2024 9:19:05 PM

JOB DESCRIPTION

GHD General - P66 5228 2024 Site Activities
2423 Lind Ave SW

JOB NUMBER

580-142646-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization

Generated
8/19/2024 9:19:05 PM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

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Job ID: 580-142646-1 Eurofins Seattle

Job Narrative
580-142646-1

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

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

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

Receipt
The samples were received on 8/2/2024 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.7°C and 1.0°C.

Gasoline Range Organics
Method NWTPH_Gx_MS: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: GW-080124-APW-DW2 (580-142646-12[MSD]).

Method NWTPH_Gx_MS: The following samples were diluted to bring the concentration of target analytes within the calibration range: GW-073124-AP-DPE47 (580-142646-6) and GW-080124-APW-MW7 (580-142646-10). Elevated reporting limits (RLs) are provided.

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

GC/MS VOA
Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: GW-073124-AP-DPE47 (580-142646-6), GW-073124-AP-DUP1 (580-142646-7) and GW-080124-APW-MW7 (580-142646-10). Elevated reporting limits (RLs) are provided.

Method 8260D: The method blank for analytical batch 580-467175 contained Toluene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: Surrogate Dibromofluoromethane (Surr) recovery for the following samples were outside the upper control limit: GW-073124-APW-NU-MW12 (580-142646-3), GW-080124-APW-DW2 (580-142646-12), GW-080124-APW-DW2 (580-142646-12[MSD]), GW-080124-NU-DUP2 (580-142646-14), GW-080124-APW-MW3 (580-142646-15) and GW-080124-NU-MW4 (580-142646-16). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Hydrocarbons
Method NWTPH_Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern does not match the typical diesel fuel pattern used by the laboratory for quantitative purposes: GW-073124-AP-MW15 (580-142646-4), GW-080124-APW-MW8 (580-142646-9), GW-080124-NU-MW10 (580-142646-11), GW-080124-NU-D1R (580-142646-13) and GW-080124-NU-DUP2 (580-142646-14).

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

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-073124-NU-MW-11

Date Collected: 07/31/24 12:15
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/06/24 09:21	1
Toluene	ND		1.00	0.390	ug/L			08/06/24 09:21	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/06/24 09:21	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/06/24 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/06/24 09:21*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/06/24 09:21*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*08/06/24 09:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*08/06/24 09:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**188**		150	73.0	ug/L			08/06/24 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*08/06/24 09:21*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**183**	**J**	193	88.0	ug/L		08/06/24 08:20	08/09/24 15:15	1
Motor Oil (>C24-C36)	**195**	**J**	339	126	ug/L		08/06/24 08:20	08/09/24 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*52*		*50 - 150*	*08/06/24 08:20*	*08/09/24 15:15*	*1*

Client Sample ID: GW-073124-AP-RW5

Date Collected: 07/31/24 13:30
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/06/24 07:25	1
Toluene	ND		1.00	0.390	ug/L			08/06/24 07:25	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/06/24 07:25	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/06/24 07:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/06/24 07:25*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/06/24 07:25*	*1*
Dibromofluoromethane (Surr)	*120*		*80 - 120*		*08/06/24 07:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*08/06/24 07:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/06/24 07:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*08/06/24 07:25*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		196	89.1	ug/L		08/06/24 08:20	08/09/24 15:36	1
Motor Oil (>C24-C36)	ND		343	127	ug/L		08/06/24 08:20	08/09/24 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*08/06/24 08:20*	*08/09/24 15:36*	*1*

Client Sample ID: GW-073124-APW-NU-MW12

Date Collected: 07/31/24 13:39
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/06/24 07:48	1
Toluene	ND		1.00	0.390	ug/L			08/06/24 07:48	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/06/24 07:48	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/06/24 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*08/06/24 07:48*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/06/24 07:48*	*1*
Dibromofluoromethane (Surr)	*124*	*S1+*	*80 - 120*		*08/06/24 07:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*08/06/24 07:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/06/24 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*08/06/24 07:48*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**91.8**	**J**	192	87.3	ug/L		08/06/24 08:20	08/09/24 15:58	1
Motor Oil (>C24-C36)	ND		336	125	ug/L		08/06/24 08:20	08/09/24 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*54*		*50 - 150*	*08/06/24 08:20*	*08/09/24 15:58*	*1*

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-073124-AP-MW15

Date Collected: 07/31/24 15:25
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**29.6**		1.00	0.240	ug/L			08/06/24 08:11	1
Toluene	ND		1.00	0.390	ug/L			08/06/24 08:11	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/06/24 08:11	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/06/24 08:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/06/24 08:11*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*08/06/24 08:11*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*08/06/24 08:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*08/06/24 08:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**728**		150	73.0	ug/L			08/06/24 08:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*77 - 123*		*08/06/24 08:11*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**1820**		192	87.4	ug/L		08/06/24 08:20	08/09/24 16:19	1
Motor Oil (>C24-C36)	**429**		336	125	ug/L		08/06/24 08:20	08/09/24 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*		*50 - 150*	*08/06/24 08:20*	*08/09/24 16:19*	*1*

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-073124-NU-MW13

Date Collected: 07/31/24 16:30
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/06/24 08:34	1
Toluene	ND		1.00	0.390	ug/L			08/06/24 08:34	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/06/24 08:34	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/06/24 08:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*08/06/24 08:34*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/06/24 08:34*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*08/06/24 08:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*08/06/24 08:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/06/24 08:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*08/06/24 08:34*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - RA2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		194	88.3	ug/L		08/06/24 08:20	08/14/24 12:08	1
Motor Oil (>C24-C36)	ND		340	126	ug/L		08/06/24 08:20	08/14/24 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*55*		*50 - 150*	*08/06/24 08:20*	*08/14/24 12:08*	*1*

Client Sample ID: GW-073124-AP-DPE47

Date Collected: 07/31/24 17:25
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	11.4		10.0	3.90	ug/L			08/06/24 10:53	10
Xylenes, Total	37.2		20.0	5.30	ug/L			08/06/24 10:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/24 10:53*	*10*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/06/24 10:53*	*10*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*08/06/24 10:53*	*10*
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 120*		*08/06/24 10:53*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1060		100	24.0	ug/L			08/07/24 01:43	100
Ethylbenzene	1340		100	50.0	ug/L			08/07/24 01:43	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/07/24 01:43*	*100*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/07/24 01:43*	*100*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/07/24 01:43*	*100*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/07/24 01:43*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	10000		1500	730	ug/L			08/06/24 10:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*08/06/24 10:53*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	6700		193	87.6	ug/L		08/06/24 08:20	08/09/24 17:03	1
Motor Oil (>C24-C36)	848		337	125	ug/L		08/06/24 08:20	08/09/24 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*54*		*50 - 150*	*08/06/24 08:20*	*08/09/24 17:03*	*1*

Client Sample ID: GW-073124-AP-DUP1

Date Collected: 07/31/24 17:25
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	11.0		1.00	0.390	ug/L			08/06/24 10:30	1
Xylenes, Total	33.2		2.00	0.530	ug/L			08/06/24 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/06/24 10:30*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/06/24 10:30*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*08/06/24 10:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*80 - 120*		*08/06/24 10:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1120		100	24.0	ug/L			08/07/24 02:06	100
Ethylbenzene	1400		100	50.0	ug/L			08/07/24 02:06	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/07/24 02:06*	*100*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/07/24 02:06*	*100*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/07/24 02:06*	*100*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/07/24 02:06*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	8210		150	73.0	ug/L			08/06/24 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*08/06/24 10:30*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	6830		195	88.9	ug/L		08/06/24 08:20	08/09/24 17:25	1
Motor Oil (>C24-C36)	844		342	127	ug/L		08/06/24 08:20	08/09/24 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*51*		*50 - 150*	*08/06/24 08:20*	*08/09/24 17:25*	*1*

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-073124-NU-MW16

Date Collected: 07/31/24 18:16
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/06/24 08:33	1
Toluene	ND		1.00	0.390	ug/L			08/06/24 08:33	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/06/24 08:33	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/06/24 08:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/06/24 08:33*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/06/24 08:33*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/06/24 08:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/06/24 08:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/06/24 08:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*08/06/24 08:33*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		190	86.6	ug/L		08/06/24 08:20	08/09/24 17:47	1
Motor Oil (>C24-C36)	ND		333	124	ug/L		08/06/24 08:20	08/09/24 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*51*		*50 - 150*	*08/06/24 08:20*	*08/09/24 17:47*	*1*

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-080124-APW-MW8

Date Collected: 08/01/24 10:19
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	34.8		1.00	0.240	ug/L			08/08/24 00:02	1
Toluene	3.85		1.00	0.390	ug/L			08/08/24 00:02	1
Ethylbenzene	6.26		1.00	0.500	ug/L			08/08/24 00:02	1
Xylenes, Total	32.4		2.00	0.530	ug/L			08/08/24 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*08/08/24 00:02*	*1*
4-Bromofluorobenzene (Surr)	*115*		*80 - 120*		*08/08/24 00:02*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 120*		*08/08/24 00:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*08/08/24 00:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1140		150	73.0	ug/L			08/08/24 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*77 - 123*		*08/08/24 00:02*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	594		187	85.0	ug/L		08/06/24 08:20	08/09/24 18:09	1
Motor Oil (>C24-C36)	372		327	121	ug/L		08/06/24 08:20	08/09/24 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*54*		*50 - 150*	*08/06/24 08:20*	*08/09/24 18:09*	*1*

Client Sample ID: GW-080124-APW-MW7

Date Collected: 08/01/24 11:51
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	17.4		10.0	3.90	ug/L			08/07/24 04:03	10
Ethylbenzene	210		10.0	5.00	ug/L			08/07/24 04:03	10
Xylenes, Total	389		20.0	5.30	ug/L			08/07/24 04:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/07/24 04:03*	*10*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*08/07/24 04:03*	*10*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/07/24 04:03*	*10*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*08/07/24 04:03*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1290		100	24.0	ug/L			08/08/24 01:57	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*08/08/24 01:57*	*100*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/08/24 01:57*	*100*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*08/08/24 01:57*	*100*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*08/08/24 01:57*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	6600		1500	730	ug/L			08/07/24 04:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*77 - 123*		*08/07/24 04:03*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	3080		186	84.8	ug/L		08/06/24 08:20	08/09/24 18:30	1
Motor Oil (>C24-C36)	451		326	121	ug/L		08/06/24 08:20	08/09/24 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*52*		*50 - 150*	*08/06/24 08:20*	*08/09/24 18:30*	*1*

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-080124-NU-MW10

Date Collected: 08/01/24 12:20
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/07/24 03:17	1
Toluene	ND		1.00	0.390	ug/L			08/07/24 03:17	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/07/24 03:17	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/07/24 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*08/07/24 03:17*	*1*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*08/07/24 03:17*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*08/07/24 03:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/07/24 03:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**76.7**	**J**	150	73.0	ug/L			08/07/24 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*77 - 123*		*08/07/24 03:17*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**371**		195	88.6	ug/L		08/06/24 08:20	08/09/24 16:19	1
Motor Oil (>C24-C36)	**336**	**J**	341	127	ug/L		08/06/24 08:20	08/09/24 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*66*		*50 - 150*	*08/06/24 08:20*	*08/09/24 16:19*	*1*

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-080124-APW-DW2

Date Collected: 08/01/24 13:11
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/07/24 23:39	1
Toluene	ND		1.00	0.390	ug/L			08/07/24 23:39	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/07/24 23:39	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/07/24 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*08/07/24 23:39*	*1*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*08/07/24 23:39*	*1*
Dibromofluoromethane (Surr)	*123*	*S1+*	*80 - 120*		*08/07/24 23:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*08/07/24 23:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/07/24 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*77 - 123*		*08/07/24 02:54*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**163**	**J**	202	91.9	ug/L		08/06/24 08:20	08/09/24 16:41	1
Motor Oil (>C24-C36)	**245**	**J**	354	131	ug/L		08/06/24 08:20	08/09/24 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*08/06/24 08:20*	*08/09/24 16:41*	*1*

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-080124-NU-D1R

Date Collected: 08/01/24 14:28
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/07/24 02:08	1
Toluene	ND		1.00	0.390	ug/L			08/07/24 02:08	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/07/24 02:08	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/07/24 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/07/24 02:08*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*08/07/24 02:08*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*08/07/24 02:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*08/07/24 02:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**1010**		150	73.0	ug/L			08/07/24 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*77 - 123*		*08/07/24 02:08*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**637**		192	87.4	ug/L		08/06/24 08:20	08/09/24 17:47	1
Motor Oil (>C24-C36)	**279**	**J**	336	125	ug/L		08/06/24 08:20	08/09/24 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*50 - 150*	*08/06/24 08:20*	*08/09/24 17:47*	*1*

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-080124-NU-DUP2

Date Collected: 08/01/24 14:28
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/07/24 02:31	1
Toluene	ND		1.00	0.390	ug/L			08/07/24 02:31	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/07/24 02:31	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/07/24 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*08/07/24 02:31*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*08/07/24 02:31*	*1*
Dibromofluoromethane (Surr)	*127*	*S1+*	*80 - 120*		*08/07/24 02:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/07/24 02:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**1100**		150	73.0	ug/L			08/07/24 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*77 - 123*		*08/07/24 02:31*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**650**		190	86.6	ug/L		08/06/24 08:20	08/09/24 18:09	1
Motor Oil (>C24-C36)	**276**	**J**	333	124	ug/L		08/06/24 08:20	08/09/24 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*08/06/24 08:20*	*08/09/24 18:09*	*1*

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-080124-APW-MW3

Date Collected: 08/01/24 16:46
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/08/24 00:25	1
Toluene	ND		1.00	0.390	ug/L			08/08/24 00:25	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/08/24 00:25	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/08/24 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*80 - 120*		*08/08/24 00:25*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*08/08/24 00:25*	*1*
Dibromofluoromethane (Surr)	*123*	*S1+*	*80 - 120*		*08/08/24 00:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/08/24 00:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/08/24 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*77 - 123*		*08/08/24 00:25*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**157**	**J**	186	84.4	ug/L		08/06/24 08:20	08/09/24 18:30	1
Motor Oil (>C24-C36)	**264**	**J**	325	121	ug/L		08/06/24 08:20	08/09/24 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*		*50 - 150*	*08/06/24 08:20*	*08/09/24 18:30*	*1*

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-080124-NU-MW4

Date Collected: 08/01/24 17:30
Date Received: 08/02/24 11:00

Lab Sample ID: 580-142646-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/08/24 01:11	1
Toluene	ND		1.00	0.390	ug/L			08/08/24 01:11	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/08/24 01:11	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/08/24 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*80 - 120*		*08/08/24 01:11*	*1*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*08/08/24 01:11*	*1*
Dibromofluoromethane (Surr)	*124*	*S1+*	*80 - 120*		*08/08/24 01:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/08/24 01:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/08/24 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*77 - 123*		*08/08/24 01:11*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**155**	**J**	192	87.5	ug/L		08/06/24 08:20	08/09/24 18:52	1
Motor Oil (>C24-C36)	**324**	**J**	337	125	ug/L		08/06/24 08:20	08/09/24 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*08/06/24 08:20*	*08/09/24 18:52*	*1*

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

Lab Sample ID: MB 580-467162/11
Matrix: Water
Analysis Batch: 467162

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/06/24 03:57	1
Toluene	ND		1.00	0.390	ug/L			08/06/24 03:57	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/06/24 03:57	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/06/24 03:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/06/24 03:57*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/06/24 03:57*	*1*
Dibromofluoromethane (Surr)	*115*		*80 - 120*		*08/06/24 03:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*08/06/24 03:57*	*1*

Lab Sample ID: LCS 580-467162/6
Matrix: Water
Analysis Batch: 467162

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.221		ug/L		104	80 - 122		
Toluene			5.00	4.523		ug/L		90	80 - 120		
Ethylbenzene			5.00	4.409		ug/L		88	80 - 120		
Xylenes, Total			10.0	8.792		ug/L		88	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*

Lab Sample ID: LCSD 580-467162/7
Matrix: Water
Analysis Batch: 467162

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			5.00	5.231		ug/L		105	80 - 122	0	14
Toluene			5.00	4.629		ug/L		93	80 - 120	2	13
Ethylbenzene			5.00	4.573		ug/L		91	80 - 120	4	14
Xylenes, Total			10.0	9.067		ug/L		91	80 - 120	3	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: MB 580-467175/11
Matrix: Water
Analysis Batch: 467175

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/06/24 03:31	1
Toluene	0.4040	J	1.00	0.390	ug/L			08/06/24 03:31	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/06/24 03:31	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/06/24 03:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/06/24 03:31*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/06/24 03:31*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/06/24 03:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/06/24 03:31*	*1*

Lab Sample ID: LCS 580-467175/6
Matrix: Water
Analysis Batch: 467175

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	4.826		ug/L		97	80 - 122		
Toluene			5.00	5.110		ug/L		102	80 - 120		
Ethylbenzene			5.00	5.017		ug/L		100	80 - 120		
Xylenes, Total			10.0	10.40		ug/L		104	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 580-467175/7
Matrix: Water
Analysis Batch: 467175

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			5.00	4.694		ug/L		94	80 - 122	3	14
Toluene			5.00	4.905		ug/L		98	80 - 120	4	13
Ethylbenzene			5.00	4.883		ug/L		98	80 - 120	3	14
Xylenes, Total			10.0	10.20		ug/L		102	80 - 120	2	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: MB 580-467343/11
Matrix: Water
Analysis Batch: 467343

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/06/24 18:44	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/06/24 18:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/06/24 18:44*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/06/24 18:44*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/06/24 18:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/06/24 18:44*	*1*

Lab Sample ID: LCS 580-467343/6
Matrix: Water
Analysis Batch: 467343

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	4.979		ug/L		100	80 - 122		
Ethylbenzene			5.00	5.160		ug/L		103	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 580-467343/7
Matrix: Water
Analysis Batch: 467343

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			5.00	4.980		ug/L		100	80 - 122	0	14
Ethylbenzene			5.00	5.127		ug/L		103	80 - 120	1	14

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 580-467350/11
Matrix: Water
Analysis Batch: 467350

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/06/24 21:31	1
Toluene	ND		1.00	0.390	ug/L			08/06/24 21:31	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/06/24 21:31	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/06/24 21:31	1

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

Lab Sample ID: MB 580-467350/11
Matrix: Water
Analysis Batch: 467350

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		08/06/24 21:31	1
4-Bromofluorobenzene (Surr)	104		80 - 120		08/06/24 21:31	1
Dibromofluoromethane (Surr)	115		80 - 120		08/06/24 21:31	1
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		08/06/24 21:31	1

Lab Sample ID: LCS 580-467350/6
Matrix: Water
Analysis Batch: 467350

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.340		ug/L		107	80 - 122		
Toluene			5.00	4.803		ug/L		96	80 - 120		
Ethylbenzene			5.00	4.751		ug/L		95	80 - 120		
Xylenes, Total			10.0	9.408		ug/L		94	80 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	94		80 - 120

Lab Sample ID: LCSD 580-467350/7
Matrix: Water
Analysis Batch: 467350

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			5.00	5.344		ug/L		107	80 - 122	0	14
Toluene			5.00	4.552		ug/L		91	80 - 120	5	13
Ethylbenzene			5.00	4.461		ug/L		89	80 - 120	6	14
Xylenes, Total			10.0	8.898		ug/L		89	80 - 120	6	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
1,2-Dichloroethane-d4 (Surr)	94		80 - 120

Lab Sample ID: MB 580-467493/11
Matrix: Water
Analysis Batch: 467493

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/07/24 20:57	1
Toluene	ND		1.00	0.390	ug/L			08/07/24 20:57	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/07/24 20:57	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/07/24 20:57	1

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

Lab Sample ID: MB 580-467493/11
Matrix: Water
Analysis Batch: 467493

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		08/07/24 20:57	1
4-Bromofluorobenzene (Surr)	108		80 - 120		08/07/24 20:57	1
Dibromofluoromethane (Surr)	116		80 - 120		08/07/24 20:57	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		08/07/24 20:57	1

Lab Sample ID: LCS 580-467493/6
Matrix: Water
Analysis Batch: 467493

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.177		ug/L		104	80 - 122		
Toluene			5.00	4.084		ug/L		82	80 - 120		
Ethylbenzene			5.00	4.406		ug/L		88	80 - 120		
Xylenes, Total			10.0	8.481		ug/L		85	80 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	89		80 - 120
4-Bromofluorobenzene (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	110		80 - 120
1,2-Dichloroethane-d4 (Surr)	98		80 - 120

Lab Sample ID: LCSD 580-467493/7
Matrix: Water
Analysis Batch: 467493

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			5.00	5.076		ug/L		102	80 - 122	2	14
Toluene			5.00	4.067		ug/L		81	80 - 120	0	13
Ethylbenzene			5.00	4.348		ug/L		87	80 - 120	1	14
Xylenes, Total			10.0	8.228		ug/L		82	80 - 120	3	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	88		80 - 120
4-Bromofluorobenzene (Surr)	110		80 - 120
Dibromofluoromethane (Surr)	111		80 - 120
1,2-Dichloroethane-d4 (Surr)	98		80 - 120

Lab Sample ID: 580-142646-12MS
Matrix: Water
Analysis Batch: 467493

Client Sample ID: GW-080124-APW-DW2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		5.00	5.927		ug/L		119	80 - 122		
Toluene	ND		5.00	4.512		ug/L		90	80 - 120		
Ethylbenzene	ND		5.00	4.986		ug/L		100	80 - 120		
Xylenes, Total	ND		10.0	9.936		ug/L		99	80 - 120		

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

Lab Sample ID: 580-142646-12MS
Matrix: Water
Analysis Batch: 467493

Client Sample ID: GW-080124-APW-DW2
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*80 - 120*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*
Dibromofluoromethane (Surr)	*120*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*

Lab Sample ID: 580-142646-12MSD
Matrix: Water
Analysis Batch: 467493

Client Sample ID: GW-080124-APW-DW2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		5.00	6.067		ug/L		121	80 - 122	2	14
Toluene	ND		5.00	4.513		ug/L		90	80 - 120	0	13
Ethylbenzene	ND		5.00	5.052		ug/L		101	80 - 120	1	14
Xylenes, Total	ND		10.0	9.933		ug/L		99	80 - 120	0	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*87*		*80 - 120*
4-Bromofluorobenzene (Surr)	*116*		*80 - 120*
Dibromofluoromethane (Surr)	*121*	*S1+*	*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: MB 580-467158/11
Matrix: Water
Analysis Batch: 467158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/06/24 03:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*08/06/24 03:57*	*1*

Lab Sample ID: LCS 580-467158/8
Matrix: Water
Analysis Batch: 467158

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	502.0		ug/L		100	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

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

Lab Sample ID: LCSD 580-467158/9
Matrix: Water
Analysis Batch: 467158

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
Gasoline			500	500.3		ug/L		100	55 - 148	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: MB 580-467170/11
Matrix: Water
Analysis Batch: 467170

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/06/24 03:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*08/06/24 03:31*	*1*

Lab Sample ID: LCS 580-467170/8
Matrix: Water
Analysis Batch: 467170

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	503.1		ug/L		101	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*

Lab Sample ID: LCSD 580-467170/9
Matrix: Water
Analysis Batch: 467170

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
Gasoline			500	492.9		ug/L		99	55 - 148	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*

Lab Sample ID: MB 580-467346/11
Matrix: Water
Analysis Batch: 467346

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/06/24 21:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*08/06/24 21:31*	*1*

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

Lab Sample ID: LCS 580-467346/8
Matrix: Water
Analysis Batch: 467346

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	523.1		ug/L		105	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*77 - 123*

Lab Sample ID: LCSD 580-467346/9
Matrix: Water
Analysis Batch: 467346

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
Gasoline			500	552.1		ug/L		111	55 - 148	5	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*

Lab Sample ID: MB 580-467489/11
Matrix: Water
Analysis Batch: 467489

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/07/24 20:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*77 - 123*		*08/07/24 20:57*	*1*

Lab Sample ID: LCS 580-467489/8
Matrix: Water
Analysis Batch: 467489

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	536.8		ug/L		107	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*77 - 123*

Lab Sample ID: LCSD 580-467489/9
Matrix: Water
Analysis Batch: 467489

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
Gasoline			500	571.3		ug/L		114	55 - 148	6	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*77 - 123*

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

Lab Sample ID: 580-142646-12MS
Matrix: Water
Analysis Batch: 467489

Client Sample ID: GW-080124-APW-DW2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline	ND		500	649.2		ug/L		130	55 - 148

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*77 - 123*

Lab Sample ID: 580-142646-12MSD
Matrix: Water
Analysis Batch: 467489

Client Sample ID: GW-080124-APW-DW2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline	ND		500	666.7		ug/L		133	55 - 148	3	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*77 - 123*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-467259/1-A
Matrix: Water
Analysis Batch: 467759

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 467259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		200	91.0	ug/L		08/06/24 08:20	08/09/24 14:11	1
Motor Oil (>C24-C36)	ND		350	130	ug/L		08/06/24 08:20	08/09/24 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*51*		*50 - 150*	*08/06/24 08:20*	*08/09/24 14:11*	*1*

Lab Sample ID: LCS 580-467259/2-A
Matrix: Water
Analysis Batch: 467759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 467259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (C10-C24)	4000	3037		ug/L		76	50 - 120
Motor Oil (>C24-C36)	4000	3136		ug/L		78	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*76*		*50 - 150*

Lab Sample ID: LCSD 580-467259/3-A
Matrix: Water
Analysis Batch: 467759

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 467259

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	4000	2920		ug/L		73	50 - 120	4	26
Motor Oil (>C24-C36)	4000	3084		ug/L		77	64 - 120	2	24

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

Lab Sample ID: LCSD 580-467259/3-A
Matrix: Water
Analysis Batch: 467759

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 467259

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	85		50 - 150

Lab Sample ID: 580-142646-12MS
Matrix: Water
Analysis Batch: 467762

Client Sample ID: GW-080124-APW-DW2
Prep Type: Total/NA
Prep Batch: 467259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (C10-C24)	163	J	3710	2621		ug/L		66	50 - 120
Motor Oil (>C24-C36)	245	J	3710	2979		ug/L		74	64 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	69		50 - 150

Lab Sample ID: 580-142646-12MSD
Matrix: Water
Analysis Batch: 467762

Client Sample ID: GW-080124-APW-DW2
Prep Type: Total/NA
Prep Batch: 467259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	163	J	3900	2751		ug/L		66	50 - 120	5	26
Motor Oil (>C24-C36)	245	J	3900	3221		ug/L		76	64 - 120	8	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	76		50 - 150

Lab Chronicle

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-073124-NU-MW-11
Lab Sample ID: 580-142646-1
Date Collected: 07/31/24 12:15
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467162	AA	EET SEA	08/06/24 09:21
Total/NA	Analysis	NWTPH-Gx		1	467158	AA	EET SEA	08/06/24 09:21
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467759	SW	EET SEA	08/09/24 15:15

Client Sample ID: GW-073124-AP-RW5
Lab Sample ID: 580-142646-2
Date Collected: 07/31/24 13:30
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467162	AA	EET SEA	08/06/24 07:25
Total/NA	Analysis	NWTPH-Gx		1	467158	AA	EET SEA	08/06/24 07:25
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467759	SW	EET SEA	08/09/24 15:36

Client Sample ID: GW-073124-APW-NU-MW12
Lab Sample ID: 580-142646-3
Date Collected: 07/31/24 13:39
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467162	AA	EET SEA	08/06/24 07:48
Total/NA	Analysis	NWTPH-Gx		1	467158	AA	EET SEA	08/06/24 07:48
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467759	SW	EET SEA	08/09/24 15:58

Client Sample ID: GW-073124-AP-MW15
Lab Sample ID: 580-142646-4
Date Collected: 07/31/24 15:25
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467162	AA	EET SEA	08/06/24 08:11
Total/NA	Analysis	NWTPH-Gx		1	467158	AA	EET SEA	08/06/24 08:11
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467759	SW	EET SEA	08/09/24 16:19

Client Sample ID: GW-073124-NU-MW13
Lab Sample ID: 580-142646-5
Date Collected: 07/31/24 16:30
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467162	AA	EET SEA	08/06/24 08:34
Total/NA	Analysis	NWTPH-Gx		1	467158	AA	EET SEA	08/06/24 08:34
Total/NA	Prep	3510C	RA2		467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx	RA2	1	468173	SW	EET SEA	08/14/24 12:08

Lab Chronicle

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-073124-AP-DPE47
Lab Sample ID: 580-142646-6
Date Collected: 07/31/24 17:25
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	467162	AA	EET SEA	08/06/24 10:53
Total/NA	Analysis	8260D	DL	100	467343	AA	EET SEA	08/07/24 01:43
Total/NA	Analysis	NWTPH-Gx		10	467158	AA	EET SEA	08/06/24 10:53
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467759	SW	EET SEA	08/09/24 17:03

Client Sample ID: GW-073124-AP-DUP1
Lab Sample ID: 580-142646-7
Date Collected: 07/31/24 17:25
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467162	AA	EET SEA	08/06/24 10:30
Total/NA	Analysis	8260D	DL	100	467343	AA	EET SEA	08/07/24 02:06
Total/NA	Analysis	NWTPH-Gx		1	467158	AA	EET SEA	08/06/24 10:30
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467759	SW	EET SEA	08/09/24 17:25

Client Sample ID: GW-073124-NU-MW16
Lab Sample ID: 580-142646-8
Date Collected: 07/31/24 18:16
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467175	AA	EET SEA	08/06/24 08:33
Total/NA	Analysis	NWTPH-Gx		1	467170	AA	EET SEA	08/06/24 08:33
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467759	SW	EET SEA	08/09/24 17:47

Client Sample ID: GW-080124-APW-MW8
Lab Sample ID: 580-142646-9
Date Collected: 08/01/24 10:19
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467493	AA	EET SEA	08/08/24 00:02
Total/NA	Analysis	NWTPH-Gx		1	467489	AA	EET SEA	08/08/24 00:02
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467759	SW	EET SEA	08/09/24 18:09

Client Sample ID: GW-080124-APW-MW7
Lab Sample ID: 580-142646-10
Date Collected: 08/01/24 11:51
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	467350	AA	EET SEA	08/07/24 04:03
Total/NA	Analysis	8260D	DL	100	467493	AA	EET SEA	08/08/24 01:57

Lab Chronicle

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-080124-APW-MW7

Lab Sample ID: 580-142646-10
Date Collected: 08/01/24 11:51
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		10	467346	AA	EET SEA	08/07/24 04:03
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467759	SW	EET SEA	08/09/24 18:30

Client Sample ID: GW-080124-NU-MW10

Lab Sample ID: 580-142646-11
Date Collected: 08/01/24 12:20
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467350	AA	EET SEA	08/07/24 03:17
Total/NA	Analysis	NWTPH-Gx		1	467346	AA	EET SEA	08/07/24 03:17
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467762	T1L	EET SEA	08/09/24 16:19

Client Sample ID: GW-080124-APW-DW2

Lab Sample ID: 580-142646-12
Date Collected: 08/01/24 13:11
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467493	AA	EET SEA	08/07/24 23:39
Total/NA	Analysis	NWTPH-Gx		1	467346	AA	EET SEA	08/07/24 02:54
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467762	T1L	EET SEA	08/09/24 16:41

Client Sample ID: GW-080124-NU-D1R

Lab Sample ID: 580-142646-13
Date Collected: 08/01/24 14:28
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467350	AA	EET SEA	08/07/24 02:08
Total/NA	Analysis	NWTPH-Gx		1	467346	AA	EET SEA	08/07/24 02:08
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467762	T1L	EET SEA	08/09/24 17:47

Client Sample ID: GW-080124-NU-DUP2

Lab Sample ID: 580-142646-14
Date Collected: 08/01/24 14:28
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467350	AA	EET SEA	08/07/24 02:31
Total/NA	Analysis	NWTPH-Gx		1	467346	AA	EET SEA	08/07/24 02:31
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467762	T1L	EET SEA	08/09/24 18:09

Lab Chronicle

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-080124-APW-MW3

Lab Sample ID: 580-142646-15

Date Collected: 08/01/24 16:46
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467493	AA	EET SEA	08/08/24 00:25
Total/NA	Analysis	NWTPH-Gx		1	467489	AA	EET SEA	08/08/24 00:25
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467762	T1L	EET SEA	08/09/24 18:30

Client Sample ID: GW-080124-NU-MW4

Lab Sample ID: 580-142646-16

Date Collected: 08/01/24 17:30
Matrix: Water
Date Received: 08/02/24 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467493	AA	EET SEA	08/08/24 01:11
Total/NA	Analysis	NWTPH-Gx		1	467489	AA	EET SEA	08/08/24 01:11
Total/NA	Prep	3510C			467259	JW	EET SEA	08/06/24 08:20
Total/NA	Analysis	NWTPH-Dx		1	467762	T1L	EET SEA	08/09/24 18:52

Laboratory References:

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

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Laboratory: Eurofins Seattle

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

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

Sample Summary

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142646-1
SDG: 2423 Lind Ave SW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-142646-1	GW-073124-NU-MW-11	Water	07/31/24 12:15	08/02/24 11:00
580-142646-2	GW-073124-AP-RW5	Water	07/31/24 13:30	08/02/24 11:00
580-142646-3	GW-073124-APW-NU-MW12	Water	07/31/24 13:39	08/02/24 11:00
580-142646-4	GW-073124-AP-MW15	Water	07/31/24 15:25	08/02/24 11:00
580-142646-5	GW-073124-NU-MW13	Water	07/31/24 16:30	08/02/24 11:00
580-142646-6	GW-073124-AP-DPE47	Water	07/31/24 17:25	08/02/24 11:00
580-142646-7	GW-073124-AP-DUP1	Water	07/31/24 17:25	08/02/24 11:00
580-142646-8	GW-073124-NU-MW16	Water	07/31/24 18:16	08/02/24 11:00
580-142646-9	GW-080124-APW-MW8	Water	08/01/24 10:19	08/02/24 11:00
580-142646-10	GW-080124-APW-MW7	Water	08/01/24 11:51	08/02/24 11:00
580-142646-11	GW-080124-NU-MW10	Water	08/01/24 12:20	08/02/24 11:00
580-142646-12	GW-080124-APW-DW2	Water	08/01/24 13:11	08/02/24 11:00
580-142646-13	GW-080124-NU-D1R	Water	08/01/24 14:28	08/02/24 11:00
580-142646-14	GW-080124-NU-DUP2	Water	08/01/24 14:28	08/02/24 11:00
580-142646-15	GW-080124-APW-MW3	Water	08/01/24 16:46	08/02/24 11:00
580-142646-16	GW-080124-NU-MW4	Water	08/01/24 17:30	08/02/24 11:00

Eurofins Calscience
2841 Dow Ave., Suite 100
Tustin CA 92780
Phone (949) 261-1022 Fax (949) 260-3297

Chain of Custody Record

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Client Information	Sampler: Abby Palmgren, ~~Annika~~ Nicole Vickovics, A. Perna-Waterman	Lab PM: Pauline Matlock	Carrier Tracking No(s):	COC No:
Client Contact: Rosemary Bier	Phone: (206)802-1595	E-Mail: pauline.matlock@et.eurofinsus.com		Page: 1 of
Company: GHD Services Inc		Analysis Requested		Job #:
Address: 9725 3rd Ave NE Ste 204	Due Date Requested:			Preservation Codes:
City: Seattle	TAT Requested (days): Std			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)
State, Zip: WA, 98105				
Phone: (206)802-1595; (949)648-6270	PO #:			Other:
Email: rosemary.bier@ghd.com, Fabio.milleroni@ghd.com	WO #:			
Project Name: P66 5228 2024 site activities	Project #: 12632944			
Site: 2423 Lind Ave SW	SSOW#: 12632944-2024-01			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TPHg - NWTPH-GX	TPHd/o by NWTPH-Dx	Btex by 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
GW-073124-NU-MW11	7/31/24	1215	G	W	N	N	X	X	X		
GW-073124-AP-RWX5	7/31/24	1330	G	W	N	N	X	X	X		
GW-073124-~~MW12~~ APW-NU-MW12	7/31/24	1339	G	W	N	N	X	X	X		
GW-073124-AP-MW15	7/31/24	1525	G	W	N	N	X	X	X		
GW-073124-NU-~~MW12~~ MW13	7/31/24	1630	G	W	N	N	X	X	X		
GW-073124-AP-DPE47	7/31/24	1725	G	W	N	N	X	X	X		
GW-073124-AP-DUP1	7/31/24	1725	G	W	N	N	X	X	X		
GW-073124-NU-MW16	7/31/24	1816	G	W	N	N	X	X	X		
GW-080124-APW-MW8	8/01/24	1019	G	W	N	N	X	X	X		
GW-080124-APW-MW7	8/01/24	1151	G	W	N	N	X	X	X		
GW-080124-NU-MW10	8/01/24	1220	G	W	N	N	X	X	X		

580-142646 Chain of Custody

rm ID: 14 Cont: 10 Cust: 0.7
der Dsc: L-B FedEx:
king: Dwg UPS:
t. Seal: Yes No X Lab Courr: X
e Ice, Wet, Dry, None Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
A. Perna-Waterman	8/2/24 1100	GHD	Courier/Courier	8/2/24 1100	EJN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Calscience
2841 Dow Ave., Suite 100
Tustin CA 92780
Phone (949) 261-1022 Fax (949) 260-3297

Chain of Custody Record

eurofins | Calscience

Client Information	Sampler: Abby Dalrymple, Nicole McRovick, A. Penna-Waterman	Lab PM: Pauline Matlock	Carrier Tracking No(s):	COC No:
Client Contact: Rosemary Bier	Phone: (206) 802-1595	E-Mail: pauline.matlock@et.eurofins.com		Page:
Company: GHD Services Inc		Analysis Requested		Job #:
Address: 9725 3rd ave NE STE 204	Due Date Requested:			Preservation Codes:
City: Seattle	TAT Requested (days): Std			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: Wa, 98115	PO #:			
Phone: (206) 802-1595 ; (949) 648-5270	WO #:			
Email: rosemary.bier@ghd.com, fabio.minervini@ghd.com	Project #: 12632944			
Project Name: P66 5228 2024 Site activities	SSOW#: 12632944-2024-01			
Site: 2423 Lind Ave SW				

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TPHg by NWTPH-GX	TPHdlo by NWTPH-DX	BTEX by 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
GW-080124-APW-DW2	8/1/24	1311	G	W	N	Y	X	X	X		
GW-080124-~~APW~~-NU-D1R	8/1/24	1428	G	W	N	N	X	X	X		
GW-080124-NU-DUP2	8/1/24	1428	G	W	N	N	X	X	X		
GW-080124-APW-MW3	8/1/24	1646	G	W	N	N	X	X	X		
GW-080124-NU-MW4	8/1/24	1730	G	W	N	N	X	X	X		

rm ID: 14 Cont: 0.7 Un: 0.4
der Dsc: SB
king: 0828
t. Seal: Yes No X
e Ice, Wet, Dry, None
FedEx:
UPS:
Lab Courr: X
Other:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
A. Penna-Waterman	8/2/24 1100	GHD	Camden Bonnicksen	8/2/24 1100	EEIN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-142646-1
SDG Number: 2423 Lind Ave SW

Login Number: 142646
List Number: 1
Creator: Martinez, Lanea

List Source: Eurofins Seattle

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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Rosemary Bier
GHD Services Inc.
3600 Port of Tacoma Road
Tacoma, Washington 98424

Generated 8/19/2024 9:32:23 PM

JOB DESCRIPTION

GHD General - P66 5228 2024 Site Activities
2423 Lind Ave SW

JOB NUMBER

580-142674-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization

Generated
8/19/2024 9:32:23 PM

Authorized for release by
Pauline Matlock, Project Manager
Pauline.Matlock@et.eurofinsus.com
(253)922-2310

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Job Narrative
580-142674-1

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

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

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

Receipt
The samples were received on 8/5/2024 11:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 9.6°C and 9.8°C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: GW-080224-APW-DPE28 (580-142674-1), GW-080224-NU-LAI14 (580-142674-2), GW-080224-NU-LAI13 (580-142674-3) and GW-080224-APW-MW6 (580-142674-4).

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

GC/MS VOA
Method 8260D: Surrogate Dibromofluoromethane (Surr) recovery for the following samples were outside the upper control limit: GW-080224-APW-DPE28 (580-142674-1), GW-080224-NU-LAI14 (580-142674-2), GW-080224-NU-LAI13 (580-142674-3) and GW-080224-APW-MW6 (580-142674-4). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Hydrocarbons
Method NWTPH_Dx: The detection for the #2 Diesel (C10-C24) range was not comparable to the Diesel standard used for quantitation. GW-080224-NU-LAI13 (580-142674-3) and GW-080224-APW-MW6 (580-142674-4)

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

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142674-1
SDG: 2423 Lind Ave SW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client Sample ID: GW-080224-APW-DPE28

Date Collected: 08/02/24 10:26
Date Received: 08/05/24 11:20

Lab Sample ID: 580-142674-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.51**		1.00	0.240	ug/L			08/08/24 00:48	1
Toluene	ND		1.00	0.390	ug/L			08/08/24 00:48	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/08/24 00:48	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/08/24 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*08/08/24 00:48*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*08/08/24 00:48*	*1*
Dibromofluoromethane (Surr)	*123*	*S1+*	*80 - 120*		*08/08/24 00:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/08/24 00:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**123**	**J**	150	73.0	ug/L			08/08/24 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*77 - 123*		*08/08/24 00:48*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**2050**		203	92.3	ug/L		08/07/24 08:15	08/08/24 15:41	1
Motor Oil (>C24-C36)	**508**		355	132	ug/L		08/07/24 08:15	08/08/24 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*08/07/24 08:15*	*08/08/24 15:41*	*1*

Client Sample ID: GW-080224-NU-LAI14

Date Collected: 08/02/24 09:58
Date Received: 08/05/24 11:20

Lab Sample ID: 580-142674-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/07/24 21:20	1
Toluene	ND		1.00	0.390	ug/L			08/07/24 21:20	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/07/24 21:20	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/07/24 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*80 - 120*		*08/07/24 21:20*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*08/07/24 21:20*	*1*
Dibromofluoromethane (Surr)	*123*	*S1+*	*80 - 120*		*08/07/24 21:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/07/24 21:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/07/24 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*77 - 123*		*08/07/24 21:20*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		190	86.6	ug/L		08/07/24 08:15	08/08/24 16:03	1
Motor Oil (>C24-C36)	ND		333	124	ug/L		08/07/24 08:15	08/08/24 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*08/07/24 08:15*	*08/08/24 16:03*	*1*

Client Sample ID: GW-080224-NU-LAI13

Date Collected: 08/02/24 12:28
Date Received: 08/05/24 11:20

Lab Sample ID: 580-142674-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/07/24 21:43	1
Toluene	ND		1.00	0.390	ug/L			08/07/24 21:43	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/07/24 21:43	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/07/24 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*08/07/24 21:43*	*1*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*08/07/24 21:43*	*1*
Dibromofluoromethane (Surr)	*133*	*S1+*	*80 - 120*		*08/07/24 21:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*08/07/24 21:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/07/24 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*77 - 123*		*08/07/24 21:43*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**162**	**J**	194	88.3	ug/L		08/07/24 08:15	08/08/24 16:25	1
Motor Oil (>C24-C36)	ND		340	126	ug/L		08/07/24 08:15	08/08/24 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*54*		*50 - 150*	*08/07/24 08:15*	*08/08/24 16:25*	*1*

Client Sample ID: GW-080224-APW-MW6

Date Collected: 08/02/24 12:36
Date Received: 08/05/24 11:20

Lab Sample ID: 580-142674-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/08/24 01:34	1
Toluene	ND		1.00	0.390	ug/L			08/08/24 01:34	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/08/24 01:34	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/08/24 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*08/08/24 01:34*	*1*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*08/08/24 01:34*	*1*
Dibromofluoromethane (Surr)	*123*	*S1+*	*80 - 120*		*08/08/24 01:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/08/24 01:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/08/24 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*77 - 123*		*08/08/24 01:34*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**167**	**J**	194	88.2	ug/L		08/07/24 08:15	08/08/24 17:05	1
Motor Oil (>C24-C36)	**318**	**J**	339	126	ug/L		08/07/24 08:15	08/08/24 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*51*		*50 - 150*	*08/07/24 08:15*	*08/08/24 17:05*	*1*

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

Lab Sample ID: MB 580-467493/11
Matrix: Water
Analysis Batch: 467493

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00	0.240	ug/L			08/07/24 20:57	1
Toluene	ND		1.00	0.390	ug/L			08/07/24 20:57	1
Ethylbenzene	ND		1.00	0.500	ug/L			08/07/24 20:57	1
Xylenes, Total	ND		2.00	0.530	ug/L			08/07/24 20:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*08/07/24 20:57*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*08/07/24 20:57*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*08/07/24 20:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*08/07/24 20:57*	*1*

Lab Sample ID: LCS 580-467493/6
Matrix: Water
Analysis Batch: 467493

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			5.00	5.177		ug/L		104	80 - 122		
Toluene			5.00	4.084		ug/L		82	80 - 120		
Ethylbenzene			5.00	4.406		ug/L		88	80 - 120		
Xylenes, Total			10.0	8.481		ug/L		85	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*80 - 120*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*
Dibromofluoromethane (Surr)	*110*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-467493/7
Matrix: Water
Analysis Batch: 467493

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			5.00	5.076		ug/L		102	80 - 122	2	14
Toluene			5.00	4.067		ug/L		81	80 - 120	0	13
Ethylbenzene			5.00	4.348		ug/L		87	80 - 120	1	14
Xylenes, Total			10.0	8.228		ug/L		82	80 - 120	3	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*80 - 120*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 580-467489/11
Matrix: Water
Analysis Batch: 467489

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	73.0	ug/L			08/07/24 20:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*77 - 123*		*08/07/24 20:57*	*1*

Lab Sample ID: LCS 580-467489/8
Matrix: Water
Analysis Batch: 467489

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			500	536.8		ug/L		107	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*77 - 123*

Lab Sample ID: LCSD 580-467489/9
Matrix: Water
Analysis Batch: 467489

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
Gasoline			500	571.3		ug/L		114	55 - 148	6	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*77 - 123*

Lab Sample ID: 580-142646-D-12 MS
Matrix: Water
Analysis Batch: 467489

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline	ND		500	649.2		ug/L		130	55 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*77 - 123*

Lab Sample ID: 580-142646-D-12 MSD
Matrix: Water
Analysis Batch: 467489

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline	ND		500	666.7		ug/L		133	55 - 148	3	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*77 - 123*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-467395/1-A
Matrix: Water
Analysis Batch: 467537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 467395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		200	91.0	ug/L		08/07/24 08:15	08/08/24 13:32	1
Motor Oil (>C24-C36)	ND		350	130	ug/L		08/07/24 08:15	08/08/24 13:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*55*		*50 - 150*	*08/07/24 08:15*	*08/08/24 13:32*	*1*

Lab Sample ID: LCS 580-467395/2-A
Matrix: Water
Analysis Batch: 467537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 467395

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4000	3003		ug/L		75	50 - 120		
Motor Oil (>C24-C36)			4000	3173		ug/L		79	64 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*73*		*50 - 150*

Lab Sample ID: LCSD 580-467395/3-A
Matrix: Water
Analysis Batch: 467537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 467395

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4000	3030		ug/L		76	50 - 120	1	26
Motor Oil (>C24-C36)			4000	3199		ug/L		80	64 - 120	1	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*74*		*50 - 150*

Lab Chronicle

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142674-1
SDG: 2423 Lind Ave SW

Client Sample ID: GW-080224-APW-DPE28

Lab Sample ID: 580-142674-1
Date Collected: 08/02/24 10:26
Matrix: Water
Date Received: 08/05/24 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467493	AA	EET SEA	08/08/24 00:48
Total/NA	Analysis	NWTPH-Gx		1	467489	AA	EET SEA	08/08/24 00:48
Total/NA	Prep	3510C			467395	JW	EET SEA	08/07/24 08:15
Total/NA	Analysis	NWTPH-Dx		1	467537	CB	EET SEA	08/08/24 15:41

Client Sample ID: GW-080224-NU-LAI14

Lab Sample ID: 580-142674-2
Date Collected: 08/02/24 09:58
Matrix: Water
Date Received: 08/05/24 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467493	AA	EET SEA	08/07/24 21:20
Total/NA	Analysis	NWTPH-Gx		1	467489	AA	EET SEA	08/07/24 21:20
Total/NA	Prep	3510C			467395	JW	EET SEA	08/07/24 08:15
Total/NA	Analysis	NWTPH-Dx		1	467537	CB	EET SEA	08/08/24 16:03

Client Sample ID: GW-080224-NU-LAI13

Lab Sample ID: 580-142674-3
Date Collected: 08/02/24 12:28
Matrix: Water
Date Received: 08/05/24 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467493	AA	EET SEA	08/07/24 21:43
Total/NA	Analysis	NWTPH-Gx		1	467489	AA	EET SEA	08/07/24 21:43
Total/NA	Prep	3510C			467395	JW	EET SEA	08/07/24 08:15
Total/NA	Analysis	NWTPH-Dx		1	467537	CB	EET SEA	08/08/24 16:25

Client Sample ID: GW-080224-APW-MW6

Lab Sample ID: 580-142674-4
Date Collected: 08/02/24 12:36
Matrix: Water
Date Received: 08/05/24 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467493	AA	EET SEA	08/08/24 01:34
Total/NA	Analysis	NWTPH-Gx		1	467489	AA	EET SEA	08/08/24 01:34
Total/NA	Prep	3510C			467395	JW	EET SEA	08/07/24 08:15
Total/NA	Analysis	NWTPH-Dx		1	467537	CB	EET SEA	08/08/24 17:05

Laboratory References:

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

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142674-1
SDG: 2423 Lind Ave SW

Laboratory: Eurofins Seattle

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

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

Sample Summary

Client: GHD Services Inc.
Project/Site: GHD General - P66 5228 2024 Site Activities

Job ID: 580-142674-1
SDG: 2423 Lind Ave SW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-142674-1	GW-080224-APW-DPE28	Water	08/02/24 10:26	08/05/24 11:20
580-142674-2	GW-080224-NU-LAI14	Water	08/02/24 09:58	08/05/24 11:20
580-142674-3	GW-080224-NU-LAI13	Water	08/02/24 12:28	08/05/24 11:20
580-142674-4	GW-080224-APW-MW6	Water	08/02/24 12:36	08/05/24 11:20

Eurofins Calscience
2841 Dow Ave., Suite 100
Tustin CA 92780
Phone (949) 261-1022 Fax (949) 260-3297

Chain of Custody Record

eurofins | Calscience

Client Information	Sampler: Alexa Penna-Wakowski, Nicole Vlahkovic	Lab PM: Pauline Matlock	Carrier Tracking No(s):	COC No:
Client Contact: Rosemary Bier	Phone: (206) 802-1595	E-Mail: paulinematlock@et.eurofins.com		Page: 1 of 1
Company: GHD Services Inc				Job #:
Address: 9725 3rd Ave NE, Ste 204	Due Date Requested:	Analysis Requested		
City: Seattle	TAT Requested (days): Std			
State, Zip: WA, 98115	PO #:			
Phone: (206) 802-1595, (949) 648-5270	WO #:			
Email: rosemary.bier@ghd.com, fabio.minervini@ghd.com	Project #: 12632944			
Project Name: P66 5228 2024 Sitk Activities	SSOW#: 12632944-2024-01			
Site: 2423 Lind Ave SW				

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TPHg - NWTPH-GX	TPH d/o by NWTPH-Dx	BTEX by 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
GW-080224-APW-DPE28	08/02/24	10:26	G	W	N	N	X	X	X		
GW-080224-NU-LAI14	08/02/24	09:58	G	W	N	N	X	X	X		
GW-080224-NU-LAI13	08/02/24	12:28	G	W	N	N	X	X	X		
GW-080224-APW-MW6	08/02/24	12:36	G	W	N	N	X	X	X		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

580-142674 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8/5/24 1120	GHD	[signature]	8/5/24 1120	EFTN
2						
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

#1

rm ID: 14 Cor: 98 Unc: 95
der Dsc: SR FedEx:
king: BUG UPS:
t. Seal: Yes No X Lab Cour: X
e Ice, Wet, Dry, None Other:

#2

rm ID: 14 Cor: 96 Unc: 93
der Dsc: SR FedEx:
king: BUG UPS:
t. Seal: Yes No X Lab Cour: X
e Ice, Wet, Dry, None Other:

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 580-142674-1
SDG Number: 2423 Lind Ave SW

Login Number: 142674
List Number: 1
Creator: Martinez, Lanea

List Source: Eurofins Seattle

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.	False	Cooler temperature outside required temperature criteria.
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	

Appendix I

Waste Disposal Documentation

SO# 1324930 MM

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WAD000641530	1	503-224-3206	017099951 FLE

GENERATOR

5. Generator's Name and Mailing Address
Phillips 66 Renton Terminal
2423 Lind Ave SW
Renton WA 98057
Generator's Phone: 206 662-6964

Attn Gary Anderson

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
WasteXpress

U.S. EPA ID Number
ORQ000023150

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
EMERALD SERVICES INC
1825 ALEXANDER AVE
TACOMA WA 98421
Facility's Phone: 206 832-3000

U.S. EPA ID Number
WAD981769110

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082, Hazardous waste, liquid, n.o.s., (Benzene), 9, PGIII, RQ(D018)	1	TP	500	P	D018
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1 IP 275
Job#113298
Please return signed COC to
PHILLIPS 66
2423 LIND AVE SW 98057

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
GARY ANDERSON		07	02	24

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
ANTHONY MANALO		7	8	24
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
Pat Kirschen		07	12	24

Please print or type. S10788 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WAD000641530
2. Page 1 of: 1
3. Emergency Response Phone: 800-337-7455
4. Manifest Tracking Number: 025895729 JJK

5. Generator's Name and Mailing Address
Phillips 66
76 Broadway
Sacramento CA 95818
Att: Rich Solomon
Generator's Phone: 582 200-7551

Generator's Site Address (if different than mailing address)
Phillips 66 Renton Terminal (AOC 5228)
2423 Lind Ave SW
Renton ~~CA~~ WA 9805

6. Transporter 1 Company Name: DH Environmental Inc.
U.S. EPA ID Number: WAH000047217

7. Transporter 2 Company Name: Chemical Waste Management
U.S. EPA ID Number: ORD980452353

8. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC
17629 CEDAR SPRINGS LANE
ARLINGTON OR 97812
Facility's Phone: 541 454-2843
U.S. EPA ID Number: ORD980452353

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082, Hazardous waste, liquid, n.o.s. (Barium, Selenium) 9, PGIII	01	DF	07	P	D005	D010	
	2. Non-RCRA Hazardous Waste Solid (Sediment OR360291)	01	DF	05	P	~~NONE~~ X007		
	3. Non-RCRA Hazardous Waste Solid (Oily Debris OR360675)	01	DF	05	P	~~NONE~~ X004		
	4.							

14. Special Handling Instructions and Additional Information
1)(E) Profile# OR360597 ERG#171 2) Profile# OR360291 3) Profile# OR360675
5gal 55gal 15gal WMXU 980363

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Matt Smythe
Signature:
Month: 8 Day: 21 Year: 24

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jake Heatherly
Signature:
Month: 08 Day: 21 Year: 24
Transporter 2 Printed/Typed Name: REECLAIMED
Signature:
Month: 8 Day: 21 Year: 24

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. H132 3. H132 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Dawn Dunlop
Signature:
Month: 9 Day: 16 Year: 24

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

MFE

BMS

CWMI

Please print or type. 510788 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page 2 of 2	23. Manifest Tracking Number
	WAD000641530		025895729JJK

24. Generator's Name PHILLIPS 66

25. Transporter 3 Company Name UPRR U.S. EPA ID Number NED001792910

26. Transporter 4 Company Name PCC U.S. EPA ID Number ORQ000041180

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

32. Special Handling Instructions and Additional Information

WMXU 980363

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials
Printed/Typed Name G. Altheimer Signature [signature] Month 8 Day 23 Year 24

34. Transporter 4 Acknowledgment of Receipt of Materials
Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 12-17) Previous editions are obsolete. DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Tables

Figures

Appendices

Appendix A

O&M Laboratory Analytical Reports

Appendix B

King County Self-Monitoring Reports

Appendix C

Groundwater Monitoring Field Data Sheets