

# **First Quarter 2023 Groundwater Monitoring, Operations and Maintenance Report**

**Phillips 66 Renton Terminal  
2423 Lind Avenue Southwest  
Renton, Washington  
Agreed Order No. DE 11313  
Facility Site I.D. No. 2070**

Phillips 66

May 2, 2023

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

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

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

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# 1. Introduction

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

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

The purpose of this quarterly report is to present the remediation system monitoring results and evaluate the performance of the remedial action during the reporting period of January 1, 2023, to March 31, 2023. Additionally, this report includes groundwater monitoring results for the same reporting period. The monitoring 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). The groundwater monitoring scope of work was modified beginning with the first quarter 2019, in accordance with the scope approved by Ecology in an email dated February 28, 2019.

## 2. Description of Remediation System and Operational Status

Groundwater, light non-aqueous phase liquid (LNAPL), and soil vapor are extracted from DPE wells and treated by a series of unit processes. The groundwater treatment system originally consisted of an oil-water separator (OWS), equalization (EQ) tank, air stripper, sediment filters, and carbon vessels. As part of a system improvement plan to increase operational up-time of the system, the air stripper was bypassed on May 4, 2020, and sediment filter bags were removed on May 22, 2020. In July 2019, select DPE wells were retrofitted with skimmer pumps to emphasize recovery of LNAPL while optimizing groundwater recovery necessary to maintain designed hydraulic control. In mid-2020, all the DPE extraction wells with skimmer pumps were converted back to total fluid pumps to enable full operation of the DPE system. Recovered LNAPL, skimmed from the top of the OWS, flows by gravity into a nearby 150-gallon temporary holding tank (PST-5201). A transfer pump (either manually engaged or float-actuated) conveys LNAPL from PST-5201 to a 10,000-gallon holding tank (PST-5202) for storage pending periodic off-Site disposal and/or recycling. The 10,000-gallon tank was a former fuel additive tank located within the terminal tank farm that had been permanently out of service for several years. This tank serves to increase the capacity of recovered LNAPL that can be temporarily stored on-Site. Groundwater separated from the recovered LNAPL in the OWS is pumped to the EQ tank where it is stored temporarily before being batch-treated by the 5,000-pound carbon vessels. The treated water effluent is discharged to the sanitary sewer system under King County Discharge Authorization Permit 7910-02. Soil vapor is extracted from the DPE wells under vacuum using four rotary claw blowers. The soil vapor extracted from

the DPE wells is treated by the thermal oxidizer. Effluent from the oxidizer is discharged to the atmosphere as authorized by the Puget Sound Clean Air Agency (PSCAA) discharge permit No. 11102.

During the current reporting period, the DPE system operated for approximately 1,143 hours out of a possible 2,160 hours, with an up-time of approximately 53%. The following are the notable system shutdowns accounting for approximately 1,017 hours of down-time that occurred during the reporting period:

- January 1, 2023, to January 30, 2023: Unplanned shutdown due to runaway temperature conditions on oxidizer. Modifications to the gas train and burner control were performed on January 30, 2023.
- March 1, 2023, to March 2, 2023: Unplanned shutdown by terminal operator due to uncharacteristically loud bearings on the combustion air blower motor.
- March 3, 2023 to March 15, 2023: Unplanned shutdown to replace the combustion air blower motor. Motor was replaced on March 15, 2023.

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

### **3. First Quarter 2023 Remediation Activities**

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

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

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

Non-routine system maintenance and repair activities completed during this reporting period included modifications to the gas train of the thermal oxidizer, calibration of the effluent totalizer, replacement of the combustion air blower motor, and replacement of a fitting on the main compound air compressor that was contributing to an oil leak.

GHD had Intellishare Environmental (Intellishare), oxidizer's manufacturer, visit the site to diagnose temperature control issues on the oxidizer. Several contributing factors led to the high temperature conditions exhibited by the oxidizer: the inlet temperature controller was not able to control the burner effectively enough to keep the inlet temperature within an acceptable range, delivery pressure of the natural gas being supplied to the oxidizer was not within the range required by the gas train regulators, and the burner and gas train were oversized for 600 SCFM of air flow and low influent concentrations. Modifications included replacement of the ratio regulator with a reduced port butterfly valve and actuator, and replacement of the inlet temperature controller. The existing combustion air blower actuator was removed from the oxidizer logic, and the combustion air flowrate was manually fixed rather than running

on a ratio which allowed the minimum burner output to be reduced by 3 to 4 times. In addition, adjustments were made to the gas train components and temperature controller to allow for better turndown of the burner.

During the week of February 27, 2023, GHD calibrated the effluent totalizer. Calibration readings were within the acceptance limit listed on the King County Industrial Waste Program (KCIW) permit.

During the week of March 13, 2023, the combustion air blower motor on the oxidizer was replaced due to bearings' wear. This was completed on March 15, 2023, under the oversight of a GHD representative. A chain hoist braced across two roof trusses was used to lift the motor and replace it inside the remediation compound. The system has since been restarted and it's currently operational.

During the week of March 20, 2023, GHD subcontracted Beckwith and Kuffel to replace a fitting that was contributing to an oil leak on the main compound air compressor. These non-routine system maintenance repairs should result in increased uptime in the coming quarters. Additionally, GHD is creating a maintenance schedule with Intellishare that includes regular visits (annual to bi-annual) to minimize system shutdown due to oxidizer issues.

## 4. Summary of Compliance Sampling

The King County Wastewater Treatment Division (King County) discharge permit for the DPE system requires monthly compliance sampling and reporting. Monthly effluent compliance samples were collected during this operational period on January 31, 2023, February 23, 2023, and March 23, 2023. Each effluent compliance sample was analyzed for the following constituents: total petroleum hydrocarbons as gasoline (TPHg) by Ecology Method NWTPH-Gx, total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as motor oil (TPHo) by Ecology Method NWTPH-Dx; for benzene, toluene, ethylbenzene, and xylenes (collectively, BTEX) by United States Environmental Protection Agency (EPA) Method 8260B; and for 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 A. Treated groundwater compliance data for this and previous reporting periods are summarized on Table 1. Sampling results were submitted to King County on a monthly basis under King County Permit 7910-02. Copies of the January, February, and March King County Industrial Waste Monthly Self-Monitoring Reports are presented in Appendix B.

The PSCAA air discharge permit for the DPE system requires monthly compliance sampling and analyses of oxidizer influent and effluent for TPHg and BTEX by EPA Method TO-15. Compliance samples were collected on January 31, 2023, February 23, 2023, and March 23, 2023. Laboratory analytical reports are presented in Appendix A. Analytical results for the oxidizer effluent samples collected during this reporting period demonstrate compliance with PSCAA permit requirements. PSCAA permit air compliance sampling analytical data are summarized on Table 3. The SVE system operational data summarized in Table 4 confirm that oxidizer compliance monitoring results were within the permit limits for operating at a flow rate less than 1,500 standard cubic feet per minute (SCFM), maintaining a minimum operating temperature of 1,400 degrees F, and achieving a destruction efficiency of greater than 97% when laboratory analyzed inlet concentrations are greater than 200 parts per million by volume (ppmv).

## 5. Summary of System Performance

Total combined LNAPL, groundwater dissolved phases, and vapor phase petroleum hydrocarbons mass removal by the DPE system during this reporting period was approximately 383 pounds. First quarter 2023 mass removal was lower than the fourth quarter 2022 mass removal of 1,350 pounds. System performance was hindered by equipment failures, which resulted in DPE system downtime for the previously mentioned oxidizer and compressor repairs. The system was offline the entirety of January 2023, and the performance measures are only representative of February and March mass removal efforts. During the first quarter 2023, the system removed an average of approximately 8

pounds per day. The oil leak in the main compound air compressor led to DPE-43, DPE-45, and DPE-54 having significantly less uptime compared to the fourth quarter 2022, which may have contributed to a decrease in mass removal rates since last quarter. Extraction has remained focused on wells with measurable LNAPL with the goal of increasing SVE removal rates, while continuing to extract LNAPL.

During the first quarter 2023 measurable LNAPL continued to decrease in extraction wells; however, the GWE system was able to continue to effectively lower the groundwater potentiometric level (groundwater table) in the area of the operational extraction wells and expose the smear zone created by seasonal groundwater table fluctuations. Approximately 92% of mass removed was from soil vapor, 5% was from LNAPL recovery, and 3% was removed from groundwater in the dissolved phase. Three gallons of LNAPL were recovered during this quarterly reporting period, which extended between the December 12, 2022, and March 23, 2023, GWE system sampling events. Active and inactive extraction wells with historical measurable LNAPL detected during groundwater monitoring activities were gauged on a bi-weekly basis during the first quarter. 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 March 23, 2023, are shown graphically on Figure 5. LNAPL removal rates were not calculated prior to implementing the focused LNAPL recovery strategy implemented in July 2019.

During this reporting period, the DPE system operated approximately 53% of the time due to the shutdowns noted in Section 2.0. The process volumes and estimated mass removed for this 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
First Quarter 2023 Operation (Using lab data from January 31, 2023 to March 23, 2023)	21,610 <sup>1</sup>	19 <sup>2</sup>	13	351	383
Cumulative Operation (May 8, 2015 to March 23, 2023*)	15,137,108 <sup>3</sup>	51,595 <sup>4</sup>	6,484	113,673	171,751

<sup>1</sup>Totalizer readings are from January 1, 2023 to March 31, 2023

<sup>2</sup>Pounds of LNAPL Removed from December 22, 2022 through March 23, 2023

<sup>3</sup>Totalizer readings are from May 8, 2015 through March 31, 2023

<sup>4</sup>Pounds of LNAPL Removed from May 8, 2015 through March 23, 2023

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

Note: density of free product assumed to be density of vehicle gasoline (6.14 lbs/gallon "<https://www.epa.gov/sites/production/files/2014-01/gallonspoundsconversion.xls>")

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 on this document. Procedures for monitoring and evaluating the effectiveness of hydraulic control are included in the CMP.

## 6. System Operation Conclusions and Planned Activities

The DPE system operated at approximately 53% up-time during the first quarter 2023. The following activities are planned for the second quarter 2023:

- 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
- Redevelop DPE wells, as needed, to prevent pump clogging caused by sediment in the wells
- As the water table elevation lowers during the dry season, increase 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
- Address bacterial iron fouling in the process piping and effluent line using mechanical or chemical cleaning methods
- Install the new autodialer
- Install the new outlet temperature controller on the oxidizer
- Main compound compressor repairs and potential replacement
- Replace the OWS anode during the next process tank cleanout

## 7. First Quarter 2023 Groundwater Monitoring and Field Activities

The following sections summarize groundwater monitoring field activities performed during the first quarter 2023.

### 7.1 Hydraulic Monitoring

First quarter 2023 hydraulic monitoring activities were conducted on February 20, 2023. Hydraulic monitoring activities consisted of measuring and recording depth to LNAPL, if present, and depth-to-groundwater from below the top of the well casing for 21 groundwater monitoring wells and 20 extraction wells. Hydraulic monitoring activities were conducted in accordance with the procedures outlined in Section 4.1 of the CMP and the modifications approved by Ecology in an email correspondence dated February 28, 2019. Hydraulic monitoring well locations are shown on Figure 2A. Groundwater monitoring and elevation data are presented on Table 5. A copy of the field sheets documenting the hydraulic monitoring data is presented in Appendix C.

### 7.2 Groundwater Sampling

Groundwater sampling activities were conducted between February 20 and 23, 2023. Groundwater samples were collected from 19 monitoring wells and one DPE extraction well using low flow sampling procedures. Groundwater sample analytical results are summarized on Table 6 and the laboratory analytical reports are provided in Appendix D. In addition to the groundwater samples, one field duplicate sample was collected for quality assurance purposes. Trip blanks provided by the subcontracting laboratory were included in each cooler. Samples collected during this event

were placed immediately on ice and transported to Eurofins Calscience via courier under chain-of-custody. Sample analyses included: TPHg per Ecology Method NWTPH Gx, TPHd and TPHo per Ecology Method NWTPH Dx, and BTEX per EPA Method 8260B. Well locations are shown on Figure 2A.

## 7.3 Investigation Derived Waste

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

# 8. Groundwater Monitoring Results

The following sections present a summary of groundwater monitoring results from the first quarter 2023.

## 8.1 Groundwater Elevation and LNAPL Thickness Data

The purpose of the hydraulic monitoring is to monitor the presence and changing thicknesses of LNAPL on the water table, to determine the direction and gradient of groundwater flow beneath the site, and/or to evaluate the effects of the DPE system on groundwater flow direction(s) and gradient(s).

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

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

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

Current and historical groundwater elevation data and LNAPL thicknesses are presented on Table 5. First Quarter 2023 groundwater elevations and resulting groundwater elevation contours, LNAPL thickness, and dissolved hydrocarbon concentrations in wells screened in the Intermediate water-bearing zone are shown on Figure 6.

### 8.1.1 Intermediate Well Elevation Data and Flow Direction

Groundwater monitoring data collected during the first quarter 2023 are representative of conditions when the DPE system was operational. Based on the depth to water gauging activities, the highest groundwater elevation occurs in well RWx-5 (18.22 feet above mean sea level (amsl)), which is located in the tank farm. The groundwater elevation in the vicinity of the loading racks area, where most of the active extraction wells are located, is between approximately 12.50 and 14.50 feet amsl. Groundwater elevation contours are shown on Figure 6.

The groundwater elevation contours shown on Figure 6 indicate that the direction of groundwater flow beneath the Site is highly variable, which was expected due to the influence of pumping and groundwater extraction. Overall, groundwater elevation seems to be mounding within the central portion of the tank farm (i.e., in the area of well RWx-5) and drops in elevation radially outward, including toward the loading racks area and just north of it, where the groundwater extraction wells that were operating at the time of the first quarter 2023 groundwater monitoring event are located. In addition, groundwater measurements from wells located at the eastern and northern boundaries of the site,

and off-site to the north, indicate groundwater flows westerly and southerly, respectively, also toward the loading racks area and just north of it, in the area of groundwater extraction.

## 8.1.2 LNAPL Thicknesses

During the first quarter 2023 gauging event, LNAPL was not observed in any of the monitoring wells and measurable thickness of LNAPL was reported in three DPE wells. Well DPE-11 had 0.10 feet of LNAPL, DPE-26 1.01 feet, and DPE-54 2.15 feet. GHD will prioritize extraction on these wells to maximize mass removal. 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. The presence (or absence) of LNAPL will continue to be monitored to evaluate trends in LNAPL occurrence and mobility. Bi-weekly gauging of extraction wells with historical measurable LNAPL will continue during the second quarter 2023, and extraction efforts will be focused on those wells.

## 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. First quarter 2023, groundwater sample analytical results are summarized in Table 6, together with historical data, isoconcentration maps for dissolved TPH-g and benzene are provided as Figures 7 and 8, respectively; and the laboratory analytical reports are included in Appendix D.

In addition to perimeter wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-10, MW-11, MW-12, MW-13, MW-16, and LAI 14; during the first quarter 2023 GHD sampled wells DPE-26, B4, B6, MW-7, MW-8, DW-2, and RWx-5, located around the perimeter of the loading racks, to better delineate the dissolved petroleum hydrocarbons plume in the central portion of the Site.

Laboratory analytical results from the first quarter 2023 groundwater monitoring event indicate that concentrations of target constituents exceeded the Model Toxics Control Act (MTCA) Method A cleanup levels in seven wells. A maximum TPHg concentration of 5,200 µg/L was detected in monitoring well MW-7 and a maximum benzene concentration of 2,400 µg/L was also detected in MW-7. GHD currently operates two extraction wells (DPE-54 and DPE-57) in the vicinity of MW-7. The dissolved hydrocarbons plume is delineated by perimeter wells in every direction and the extent exceeding the MTCA Method A cleanup level appears to be defined within the Site boundaries, with the exception of a small area north of the Site where well DPE-26, which contains 1.01 feet of LNAPL, is located. This is consistent with previous historical data, as concentrations have typically only been above cleanup levels closest to the source of the historical release. Detections have steadily decreased throughout time. 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 micrograms per liter (µg/L) in wells B-4 (2,300 µg/L), B-6 (3,700 µg/L), MW-7 (5,200 µg/L), and MW-8 (800 µg/L)
- Dissolved TPHd concentrations exceeded the MTCA Method A cleanup level for TPHd of 500 µg/L in wells B-4 (740 µg/L), B-6 (1,300 µg/L), MW-7 (2,300 µg/L), and DPE-28 (3,200 µg/L)
- Dissolved benzene concentrations exceeded the MTCA Method A cleanup level for benzene (5 µg/L) in wells B-4 (200 µg/L), B-6 (1,700 µg/L), DW-2 (120 µg/L), MW-7 (2,400 µg/L), MW-8 (160 µg/L), and MW-15 (21 µg/L)

TPHg was detected above the laboratory detection limit but below the MTCA Method A cleanup level in D-1R, DW-2, MW-11, and MW-15. TPHd was detected above laboratory detection limits but below the MTCA Method A cleanup level in D-1R and MW-8. Benzene was detected above the laboratory detection limit but below the MTCA Method A cleanup level at 1.1 µg/L in DPE-28.



Results indicate that the highest concentration of petroleum constituents in the sampled wells is present in the vicinity of the loading racks area. The dissolved hydrocarbons plume occurring beneath the eastern half of the Site extends from the northern portion of the tank farm area, north through the loading racks area, and up to the northern property boundary. The plume is contained within the property boundaries to the west, south, and east; and does not extend into the public right-of way (ROW). 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. The concentrations in samples collected from wells MW-3, MW-4, and MW-6 continue to be non-detected. These wells will continue to be monitored to verify that impacts are not migrating off-Site.

The concentrations in the samples collected from wells MW-1 and MW-2 along the southern perimeter of the Site, were also non-detected, indicating that off-site plume migration is not occurring toward the south.

## **9. Groundwater Monitoring and Sampling Conclusions and Planned Activities**

In summary, the data collected during the first quarter 2023 groundwater monitoring event indicate the following:

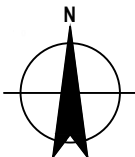
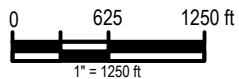
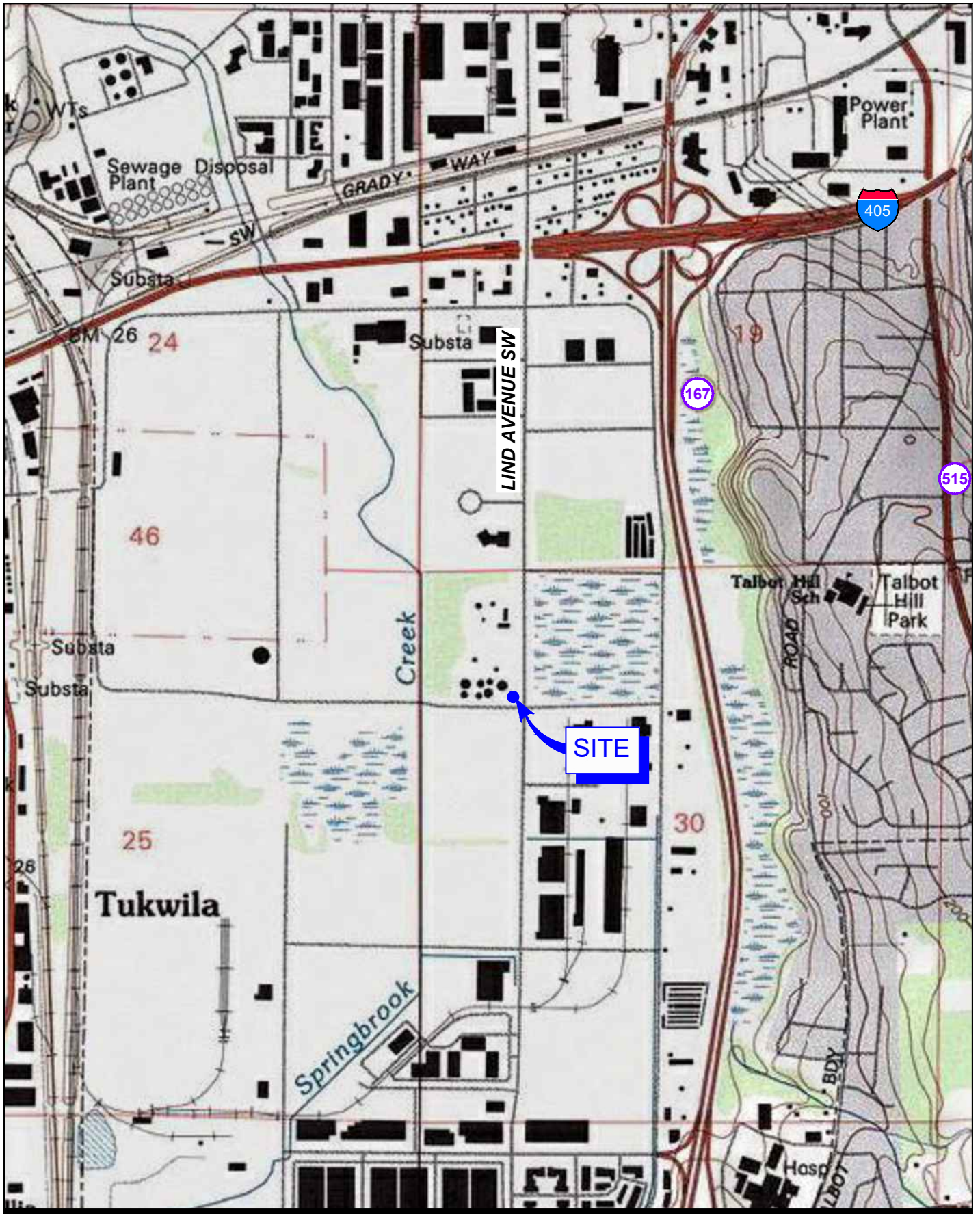
- The groundwater flow direction beneath the Site is largely influenced by system operation and highly variable (Figure 6).
- The dissolved hydrocarbons plume occurring beneath the eastern portion of the Site is defined to within the site boundaries in every direction, with the exception of a small area extending beyond the property boundary to the north, where well DPE-26 containing 1.01 feet of LNAPL is located (Figures 7 and 8).

The monitoring well network will continue to be monitored and sampled in accordance with the CMP to assess the effectiveness of the DPE system. GHD will continue to gauge wells on a quarterly basis to determine groundwater elevation and flow direction beneath the Site, and to monitor LNAPL thickness. In addition, GHD will continue to sample selected wells on a semi-annual frequency. The next monitoring event is scheduled to be conducted during the second quarter 2023.

## **10. Other Agreed Order Items**

No Agreed Order items occurred during the first quarter 2023.

# Figures



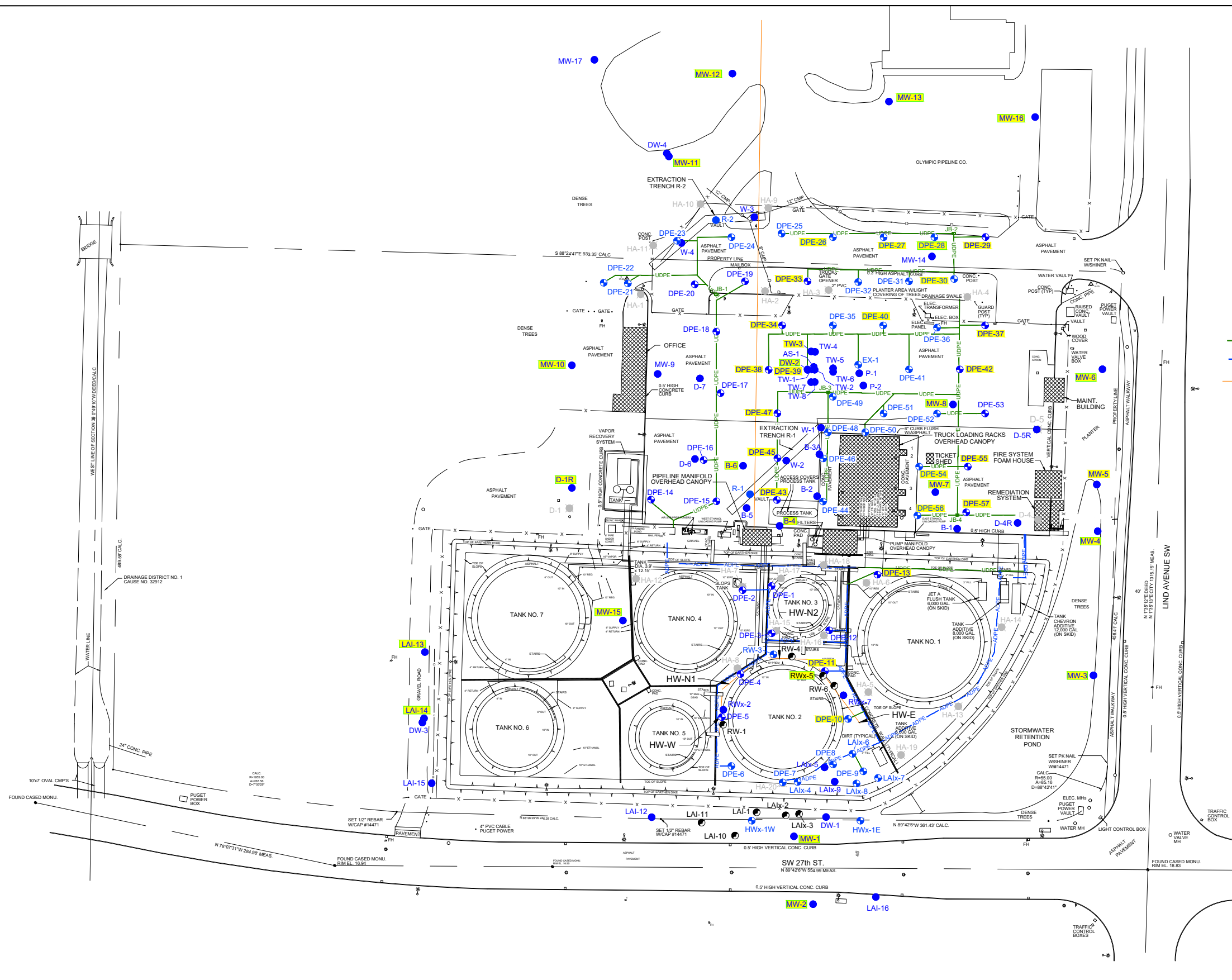
PHILLIPS 66 RENTON TERMINAL  
 2423 LIND AVENUE SOUTHWEST  
 RENTON, WASHINGTON

Project No. 12605516  
 Date March 2023

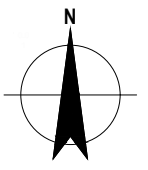
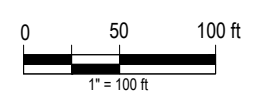
VICINITY MAP

FIGURE 1





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

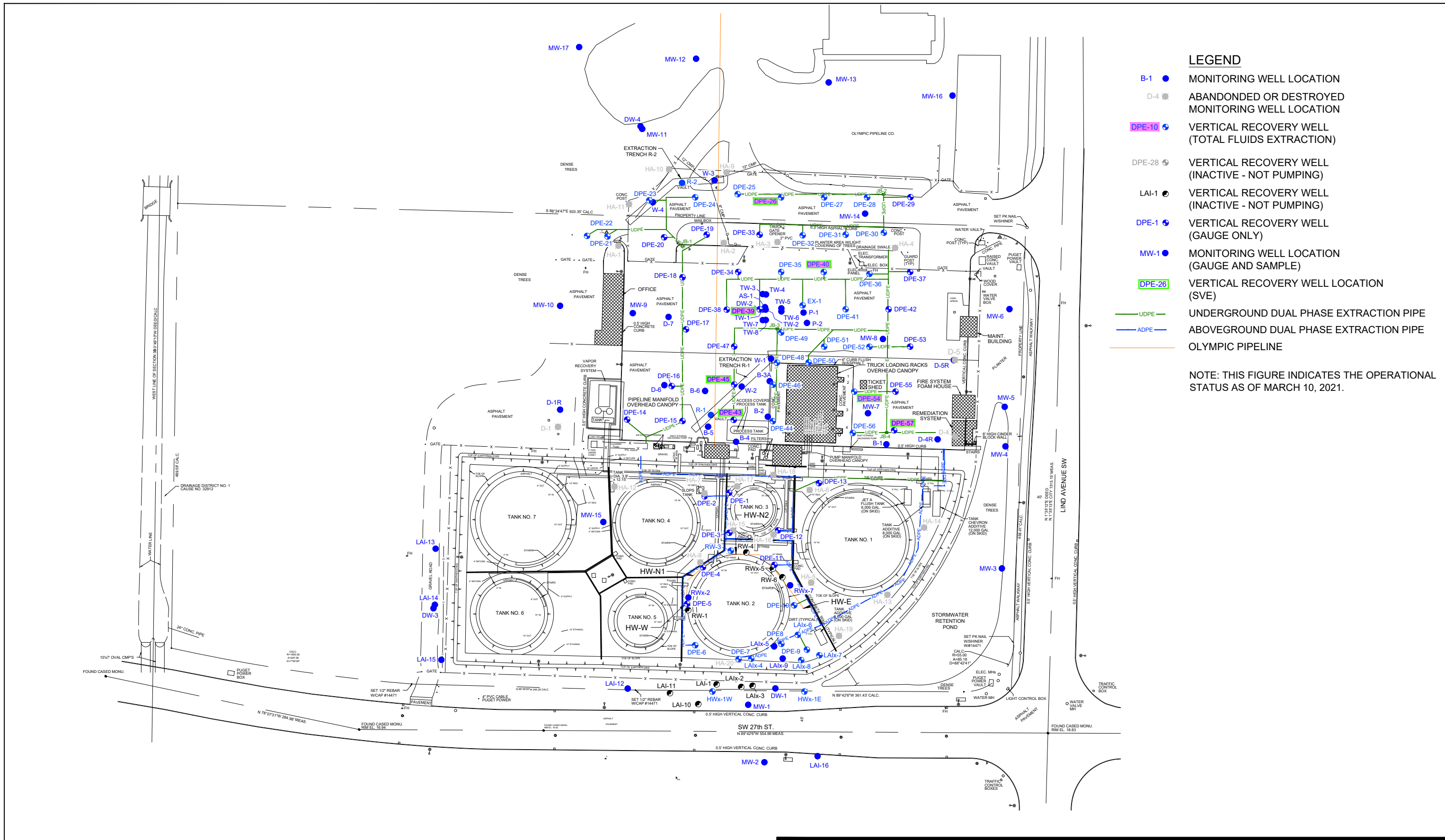


PHILLIPS 66 RENTON TERMINAL  
2423 LIND AVENUE SOUTHWEST  
RENTON, WASHINGTON

Project No. 12605516  
Date April 2023

**SITE PLAN WITH MONITORING LOCATIONS**

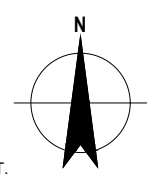
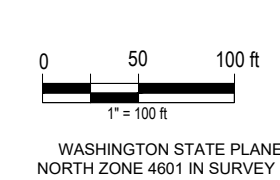
**FIGURE 2A**



**LEGEND**

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

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

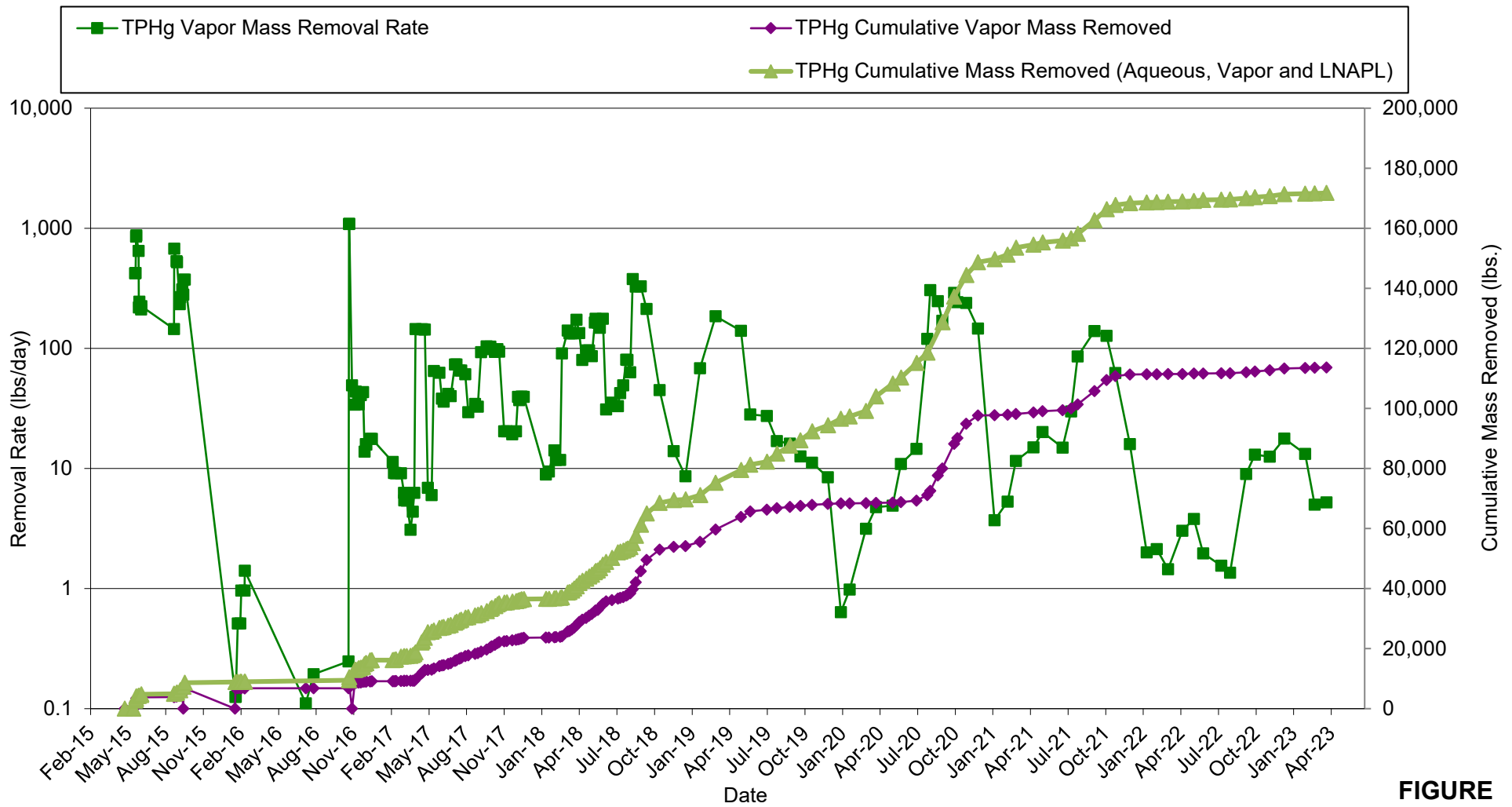


PHILLIPS 66 RENTON TERMINAL  
 2423 LIND AVENUE SOUTHWEST  
 RENTON, WASHINGTON

Project No. 12605516  
 Date April 2023

**SITE PLAN WITH ACTIVE REMEDIATION LOCATIONS**

**FIGURE 2B**

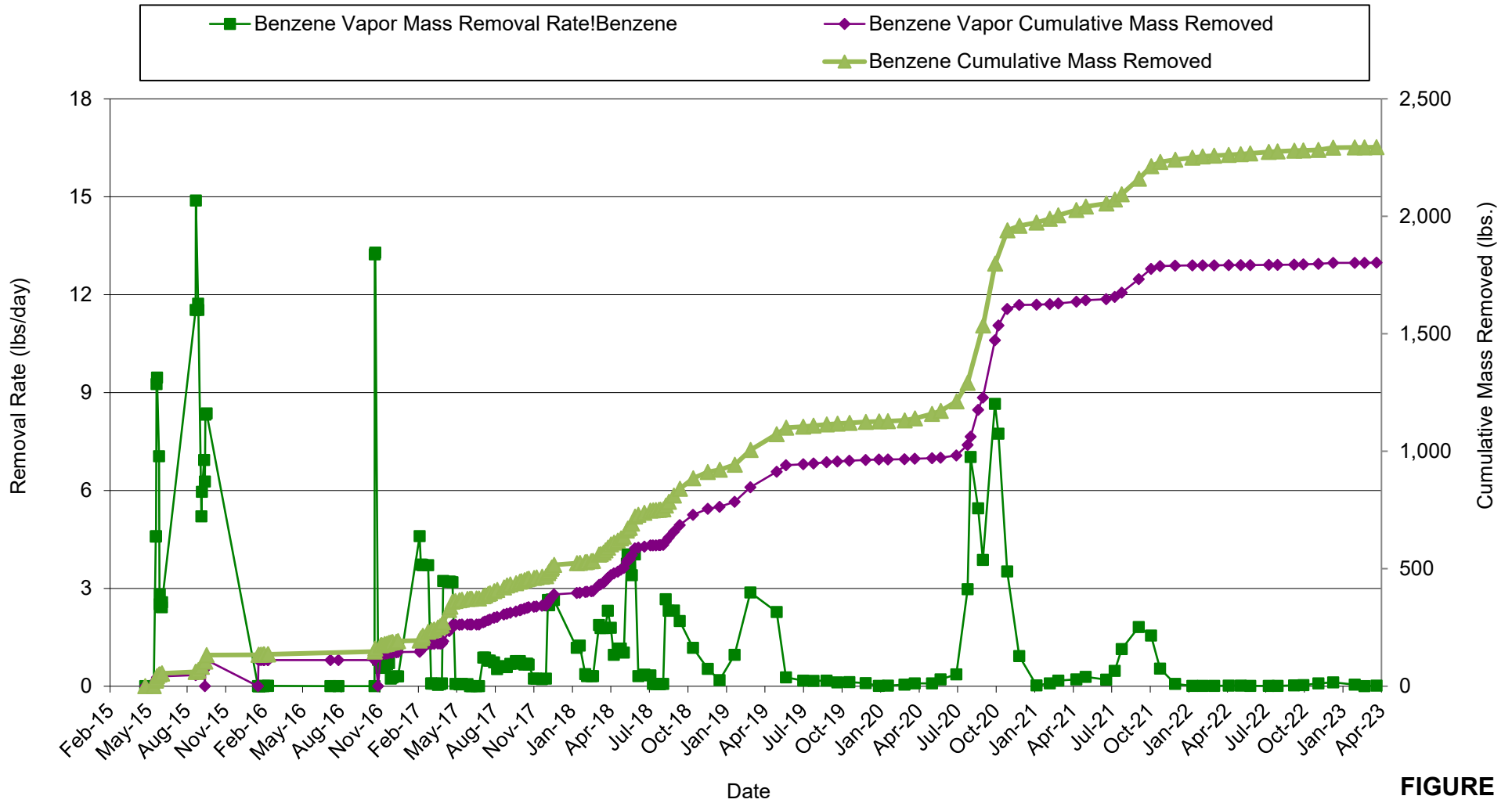


**FIGURE 3**

Phillips 66 Renton Terminal  
 2423 Lind Avenue Southwest  
 Renton, Washington



TPHg MASS REMOVAL VS. TIME

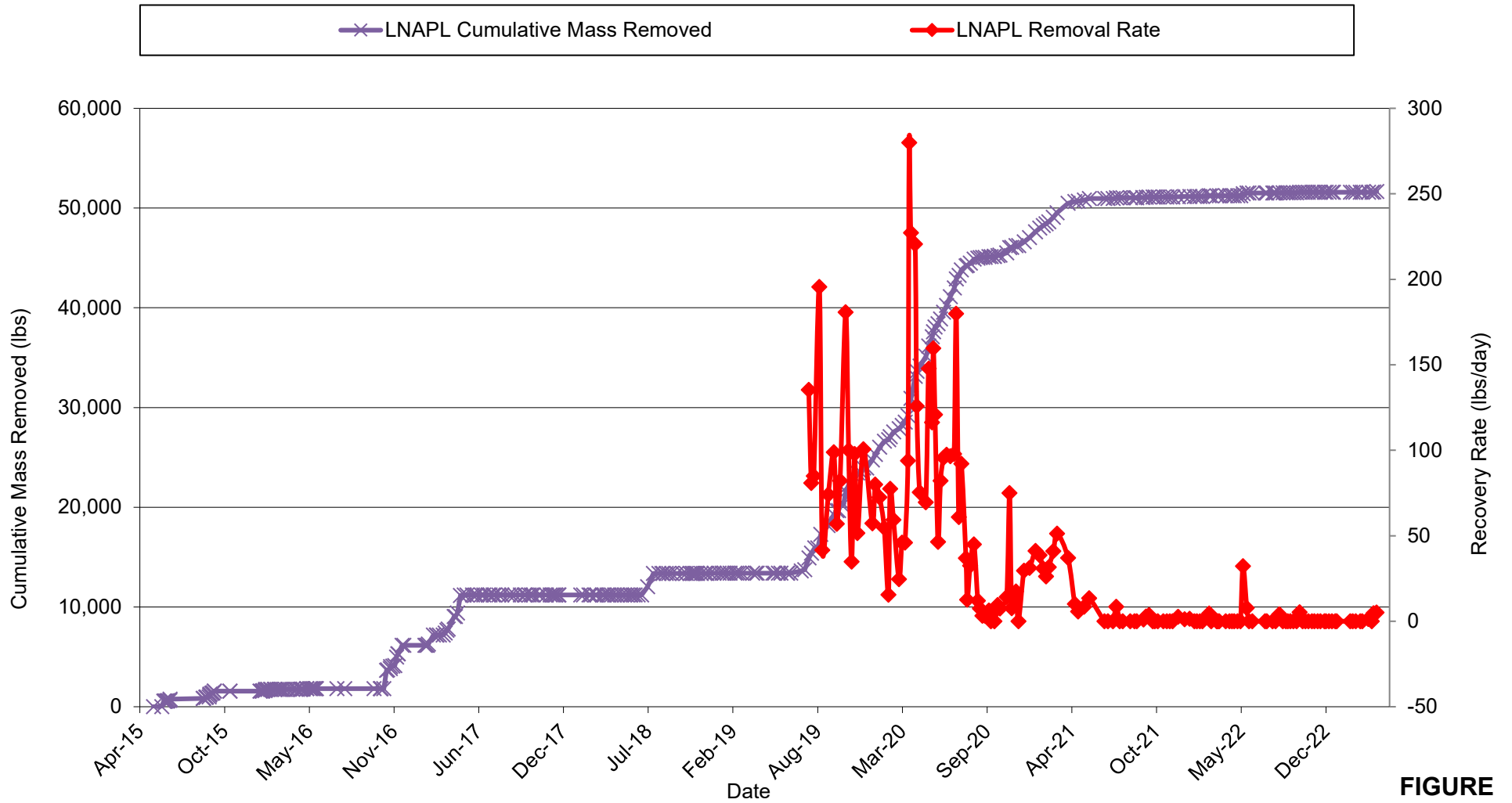


**FIGURE 4**

Phillips 66 Renton Terminal  
 2423 Lind Avenue Southwest  
 Renton, Washington



BENZENE MASS REMOVAL VS. TIME



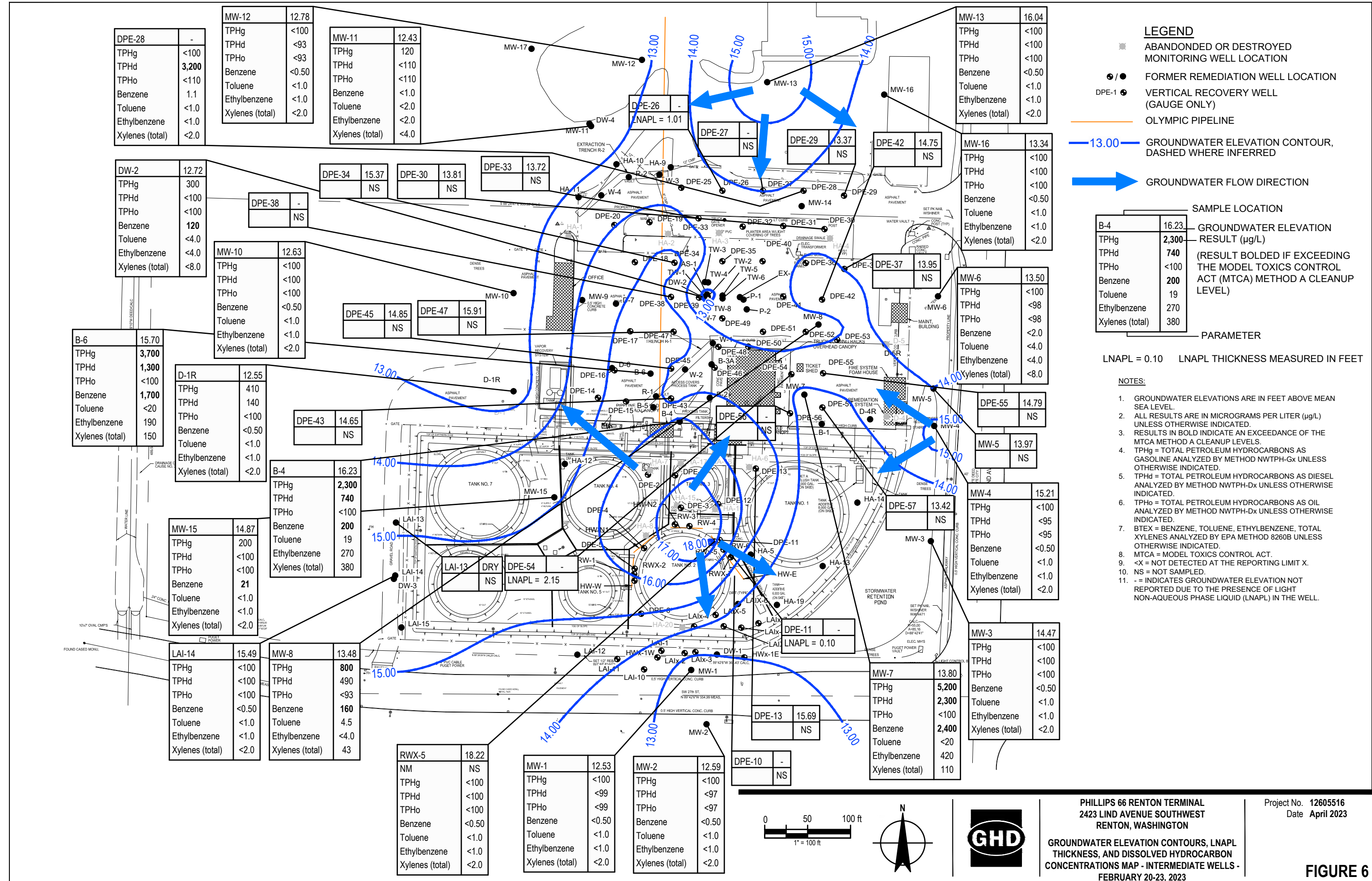
**FIGURE 5**

Phillips 66 Renton Terminal  
 2423 Lind Avenue Southwest  
 Renton, Washington



LNAPL MASS REMOVAL VS. TIME





DPE-28	-
TPHg	<100
TPHd	<b>3,200</b>
TPHo	<110
Benzene	1.1
Toluene	<1.0
Ethylbenzene	<1.0
Xylenes (total)	<2.0

MW-12	12.78
TPHg	<100
TPHd	<93
TPHo	<93
Benzene	<0.50
Toluene	<1.0
Ethylbenzene	<1.0
Xylenes (total)	<2.0

MW-11	12.43
TPHg	120
TPHd	<110
TPHo	<110
Benzene	<1.0
Toluene	<2.0
Ethylbenzene	<2.0
Xylenes (total)	<4.0

MW-13	16.04
TPHg	<100
TPHd	<100
TPHo	<100
Benzene	<0.50
Toluene	<1.0
Ethylbenzene	<1.0
Xylenes (total)	<2.0

**LEGEND**

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

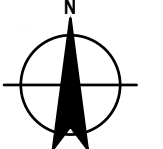
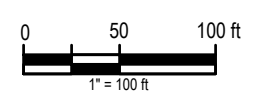
**SAMPLE LOCATION**

B-4	16.23	GROUNDWATER ELEVATION
TPHg	<b>2,300</b>	RESULT (µg/L)
TPHd	<b>740</b>	(RESULT BOLD IF EXCEEDING THE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL)
TPHo	<100	
Benzene	<b>200</b>	
Toluene	19	
Ethylbenzene	270	
Xylenes (total)	380	

**PARAMETER**

LNAPL = 0.10 LNAPL THICKNESS MEASURED IN FEET

- NOTES:**
- GROUNDWATER ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
  - ALL RESULTS ARE IN MICROGRAMS PER LITER (µg/L) UNLESS OTHERWISE INDICATED.
  - RESULTS IN BOLD INDICATE AN EXCEEDANCE OF THE MTCA METHOD A CLEANUP LEVELS.
  - 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-Ox UNLESS OTHERWISE INDICATED.
  - BTEX = BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES ANALYZED BY EPA METHOD 8260B UNLESS OTHERWISE INDICATED.
  - MTCA = MODEL TOXICS CONTROL ACT.
  - <X = NOT DETECTED AT THE REPORTING LIMIT X.
  - NS = NOT SAMPLED.
  - = INDICATES GROUNDWATER ELEVATION NOT REPORTED DUE TO THE PRESENCE OF LIGHT NON-AQUEOUS PHASE LIQUID (LNAPL) IN THE WELL.

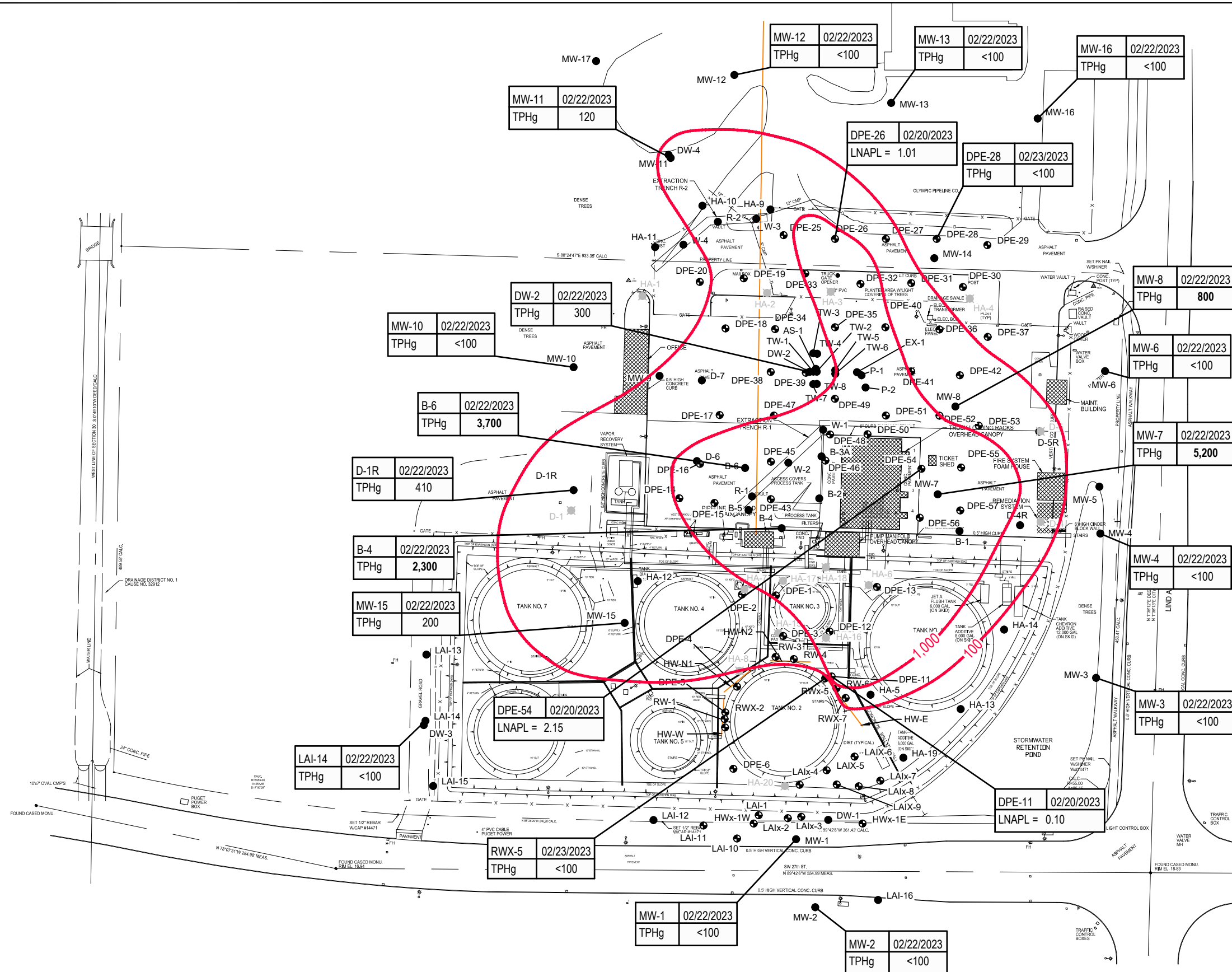


PHILLIPS 66 RENTON TERMINAL  
2423 LIND AVENUE SOUTHWEST  
RENTON, WASHINGTON

GROUNDWATER ELEVATION CONTOURS, LNAPL THICKNESS, AND DISSOLVED HYDROCARBON CONCENTRATIONS MAP - INTERMEDIATE WELLS -  
FEBRUARY 20-23, 2023

Project No. 12605516  
Date April 2023

**FIGURE 6**



**LEGEND**

- ABANDONED OR DESTROYED MONITORING WELL LOCATION
- / ● FORMER REMEDIATION WELL LOCATION
- DPE-1 ● VERTICAL RECOVERY WELL (GAUGE ONLY)
- OLYMPIC PIPELINE
- 100 — TPHg ISOCONCENTRATION CONTOUR LINE IN µg/L, DASHED WHERE INFERRED

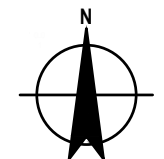
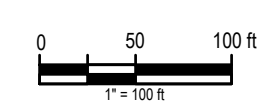
**SAMPLE LOCATION**

MW-8	02/22/2023	TPHg	800
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SAMPLE DATE  
 RESULT (µg/L)  
 (RESULT BOLDIED IF EXCEEDING THE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL)  
 PARAMETER

LNAPL = 0.10 LNAPL THICKNESS MEASURED IN FEET

- NOTES:**
- ALL RESULTS ARE IN MICROGRAMS PER LITER (µg/L) UNLESS OTHERWISE INDICATED.
  - TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE ANALYZED BY METHOD NWTPH-Gx UNLESS OTHERWISE INDICATED.
  - <X = NOT DETECTED AT THE REPORTING LIMIT X.
  - LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID.



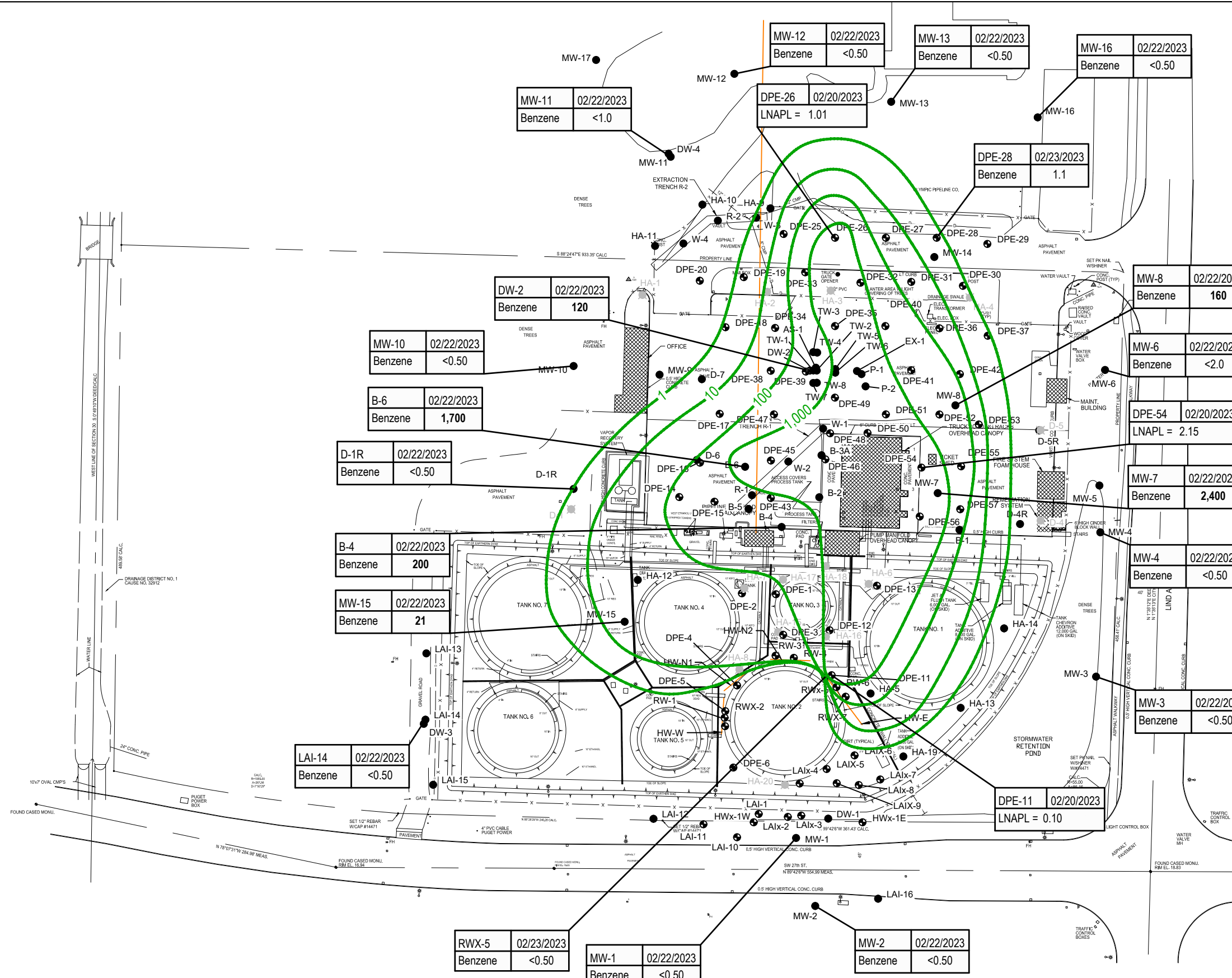
PHILLIPS 66 RENTON TERMINAL  
 2423 LIND AVENUE SOUTHWEST  
 RENTON, WASHINGTON

Project No. 12605516  
 Date April 2023

TPHg ISOCONCENTRATION MAP -  
 FEBRUARY 20-23, 2023

**FIGURE 7**





**LEGEND**

- ABANDONED OR DESTROYED MONITORING WELL LOCATION
- / ● FORMER REMEDIATION WELL LOCATION
- DPE-1 ● VERTICAL RECOVERY WELL (GAUGE ONLY)
- OLYMPIC PIPELINE
- 10 BENZENE ISOCONCENTRATION CONTOUR LINE IN µg/L, DASHED WHERE INFERRED

**SAMPLE LOCATION**

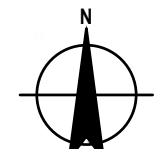
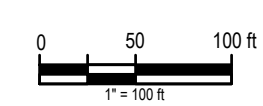
MW-8	02/22/2023	Benzene	160
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SAMPLE DATE  
 RESULT (µg/L)  
 (RESULT BOLD IF EXCEEDING THE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL)  
 PARAMETER

LNAPL = 0.10 LNAPL THICKNESS MEASURED IN FEET

**NOTES:**

- ALL RESULTS ARE IN MICROGRAMS PER LITER (µg/L) UNLESS OTHERWISE INDICATED.
- <X = NOT DETECTED AT THE REPORTING LIMIT X.
- LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID.



PHILLIPS 66 RENTON TERMINAL  
 2423 LIND AVENUE SOUTHWEST  
 RENTON, WASHINGTON

Project No. 12605516  
 Date April 2023

BENZENE ISOCONCENTRATION MAP -  
 FEBRUARY 20-23, 2023

**FIGURE 8**

# Tables



Table 1

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

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

Notes and Abbreviations:

mm/dd/yy = month/day/year  
 Conc. = concentration  
 TPHg = total petroleum hydrocarbons quantified as gasoline  
 TPHd = total petroleum hydrocarbons quantified as diesel  
 TPHmo = total petroleum hydrocarbons quantified as motor oil  
 FOG = fats, oil, and grease  
 µg/L = micrograms per liter  
 <X.X = not detected at or below the detection limit indicated  
 NM = no measured  
 TBD = Sample taken during this time and are awaiting results  
 TPHg analyzed by Method NWTPHd-X.  
 TPHg analyzed by Method NWTPHg-X.  
 Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.  
 FOG analyzed by Method 1664 HEM.  
 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)









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

Date (mm/dd/yy)	Hour Meter Reading	SV-3102 (hrs)	Total Uptime*	Water Extraction			Average Flow Rate (gpm)	LNAPL recovery (gallons)	Influent Conc. (µg/L)	TPHg Removal (ppd)	Cumulative Recovery (pounds)	Influent Conc. (µg/L)	Benzene Removal Rate (ppd)	Cumulative Recovery (pounds)
				Totalizer Reading (gallons)	Cumulative Flow (gallons)	Average Flow Rate (gpd)								
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		
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			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		
<b>Maximum 1Q23 Flow Rate:</b>						2,206	1.53							
<b>Regulatory Limits:</b>						<50,400	<35			<b>Total recovery (pounds):</b>	6,484	<b>Total recovery (pounds):</b>	491	

**Abbreviations and Notes:**

(mm/d/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 per liter

g = grams

cc = cubic centimeter

lb = pound

\*Total Uptime is not 1 = 0.73 g/cc TPHg

All readings and data = 0.88 g/cc Benzene

Product recovery calculation taken from <http://www.handymath.com/cgi-bin/circleval25.cgi?submit=Entry>

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

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

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

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

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

Date (mm/dd/yy)	Influent					Effluent				
	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	Toluene Conc. (ppmv)	Ethylbenzene Conc. (ppmv)	Xylenes Conc. (ppmv)	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	Toluene Conc. (ppmv)	Ethylbenzene Conc. (ppmv)	Xylenes Conc. (ppmv)

µg/L = micrograms per liter

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

ppmv = parts per million by volume

TBD = Sample taken during this time and are awaiting results

TPHg analyzed by Method TO-14M.

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

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











Table 4  
Soil Vapor Extraction System Operational Data  
Phillips 66 Company  
Renton Terminal  
Renton, Washington

Date	Oxidizer	Total	Soil Vapor Extraction											TPHg				Benzene			
			SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 Pressure (in. WC)	Influent-2 Temperature (°F)	Influent-2 Concentration (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)	
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.																		
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	1,403									
3/23/2023	46,100	95%	5.0	68	5.0	0.50	603	150	15.2	42	1,408	1,409	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	1,404									
4/3/2023	46,371	100%	5.0	68	5.0	0.45	572	150	2.2	NM	1,403	1,402									
4/11/2023	46,563	100%	6.0	82	6.0	0.50	603	150	2.6	NM	1,402	1,403									
4/18/2023	46,714	88%	5.0	68	5.0	0.50	603	150	2.6	NM	1,408	1,400									
<b>Regulatory Limits (ppmv):</b>							<b>&lt;1,500</b>				<b>&gt;1,400</b>					<b>&gt;97% when inlet concentrations exceed 200 ppmv</b>			<b>&lt;0.085</b>		

**Abbreviations and Notes:**

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

ALS = Air liquid separator

SVE = Soil vapor extraction

conc = Concentration

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

\*F = Degrees Fahrenheit

NA = Not applicable

NM = not measured

NS = Not sampled

L = liter

gpm = gallon per minute

µg/L = 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

Molecular weight of toluene = 92

Molecular weight of ethylbenzene = 106

Molecular weight of xylene = 106

Table 5

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
R-1	1/27/1993	16.94	--	--	0.05	5.22	11.76	--
R-1	3/12/1993	16.94	--	--	0.10	11.80	5.22	--
R-1	6/30/1993	16.94	--	--	0.01	6.88	10.07	--
R-1	12/23/1994	16.94	--	--	--	3.43	13.51	--
R-1	2/3/1995	16.94	--	--	0.10	4.10	12.92	--
R-1	2/22/1995	16.94	--	--	0.13	5.28	11.76	--
R-1	3/24/1995	16.94	--	--	0.40	5.55	11.69	--
R-1	4/27/1995	16.94	--	--	0.32	5.62	11.56	--
R-1	5/15/1995	16.94	--	--	0.47	4.91	12.38	--
R-1	6/16/1995	16.94	--	--	0.44	5.29	11.98	--
R-1	8/25/1995	16.94	--	--	0.20	5.85	11.24	--
R-1	9/26/1995	16.94	--	--	0.19	7.67	9.41	--
R-1	10/20/1995	16.94	--	--	0.02	6.17	10.79	--
R-1	4/4/1996	16.94	--	--	0.15	3.82	13.23	--
R-1	4/16/1996	16.94	--	--	0.14	3.14	13.91	--
R-1	5/10/1996	16.94	--	--	0.11	2.72	14.30	--
R-1	5/15/1996	16.94	--	--	0.06	2.67	14.32	--
R-1	5/22/1996	16.94	--	--	--	7.83	9.11	--
R-1	6/5/1996	16.94	--	--	--	8.62	8.32	--
R-1	6/24/1996	16.94	--	--	--	8.50	8.44	--
R-1	7/15/1996	16.94	--	--	--	8.63	8.31	--
R-1	8/23/1996	16.94	--	--	--	8.53	8.41	--
R-1	9/18/1996	16.94	--	--	--	8.34	8.60	--
R-1	1/3/1997	16.94	--	--	--	3.11	13.83	--
R-1	3/12/1997	16.94	--	--	--	8.91	8.03	--
R-1	4/2/1997	16.94	--	--	0.05	11.04	5.94	--
R-1	7/8/1997	16.94	--	--	--	5.71	11.23	--
R-1	8/26/1997	16.94	--	--	--	11.02	5.92	--
R-1	9/17/1997	16.94	--	--	--	10.84	6.10	--
R-1	4/30/1998	16.94	--	--	0.02	4.60	12.36	--
R-1	5/24/2001	16.94	--	--	--	10.75	6.19	--
R-1	11/24/2002	19.83	--	--	--	5.90	13.93	13.93
R-1	6/29/2007	19.83	--	--	--	5.66	14.17	14.17
R-1	10/22/2007	19.83	--	--	Not Monitored	--	--	NM
R-1	11/28/2007	19.83	--	--	Not Monitored	--	--	NM
R-1	12/13/2007	19.83	--	--	--	9.10	10.73	10.73
R-1	1/21/2008	19.83	--	--	--	6.98	12.85	12.85
R-1	2/24/2008	19.83	--	--	Not Monitored	--	--	--
R-1	3/24/2008	19.83	--	--	--	5.35	14.48	14.48
R-1	8/25/2008	19.83	--	--	Not Monitored	--	--	--
R-1	2/18/2009	19.83	--	--	Not Monitored	--	--	NM
R-1	8/25/2009	19.83	--	--	Not Monitored	--	--	NM
R-1	3/22/2010	16.94	--	--	--	4.75	12.19	12.19
R-1	8/23/2010	16.94	5.35	11.59	0.02	5.37	11.59	11.60
R-1	2/7/2011	16.94	--	--	--	4.56	12.38	--
R-2	1/27/1993	17.52	--	--	--	6.15	11.37	--
R-2	3/12/1993	17.52	--	--	--	7.20	10.32	--
R-2	2/22/1995	17.52	--	--	--	7.66	9.86	--
R-2	5/15/1995	17.52	--	--	--	7.87	9.65	--
R-2	6/16/1995	17.52	--	--	0.01	7.51	10.02	--
R-2	9/26/1995	17.52	--	--	0.01	7.81	9.72	--
R-2	10/20/1995	17.52	--	--	0.06	7.63	9.94	--
R-2	4/4/1996	17.52	--	--	--	5.55	11.97	--
R-2	4/16/1996	17.52	--	--	--	5.29	12.23	--
R-2	5/10/1996	17.52	--	--	--	5.21	12.31	--
R-2	5/15/1996	17.52	--	--	--	5.10	12.42	--
R-2	5/22/1996	17.52	--	--	0.02	7.59	9.95	--
R-2	6/5/1996	17.52	--	--	0.18	7.80	9.86	--
R-2	6/24/1996	17.52	--	--	0.03	7.72	9.82	--
R-2	7/15/1996	17.52	--	--	0.04	7.60	9.95	--
R-2	8/23/1996	17.52	--	--	0.02	7.77	9.77	--
R-2	9/18/1996	17.52	--	--	0.04	7.87	9.68	--
R-2	1/3/1997	17.52	--	--	--	4.25	13.27	--
R-2	3/12/1997	17.52	--	--	0.02	8.02	9.52	--
R-2	4/2/1997	17.52	--	--	0.11	7.72	9.88	--
R-2	7/8/1997	17.52	--	--	--	6.47	11.05	--
R-2	8/19/1997	17.52	--	--	0.02	7.76	9.78	--
R-2	9/17/1997	17.52	--	--	--	7.67	9.85	--
R-2	4/30/1998	17.52	--	--	0.03	6.43	11.11	--
R-2	5/24/2001	17.52	--	--	0.35	8.25	9.53	--
R-2	11/24/2002	20.28	--	--	--	6.69	13.59	13.59
R-2	6/29/2007	20.28	--	--	--	6.72	13.56	13.56
R-2	10/22/2007	20.28	--	--	Not Monitored	--	--	NM
R-2	11/28/2007	20.28	--	--	Not Monitored	--	--	NM
R-2	12/13/2007	20.28	--	--	--	7.76	12.52	12.52
R-2	1/21/2008	20.28	--	--	--	5.83	14.45	14.45
R-2	2/24/2008	20.28	--	--	Not Monitored	--	--	--
R-2	3/24/2008	20.28	--	--	--	6.19	14.09	14.09
R-2	8/25/2008	20.28	--	--	Not Monitored	--	--	--
R-2	2/18/2009	20.28	--	--	Not Monitored	--	--	NM
R-2	8/25/2009	20.28	--	--	Not Monitored	--	--	NM
R-2	3/22/2010	17.52	--	--	--	5.68	11.84	11.84
R-2	8/23/2010	17.52	--	--	--	6.85	10.67	10.67
R-2	2/7/2011	17.52	--	--	--	7.87	9.65	--
W-1	1/27/1993	18.86	--	--	0.19	5.71	13.29	--
W-1	3/12/1993	18.86	--	--	0.06	8.24	10.67	--
W-1	4/14/1993	18.86	--	--	--	8.22	10.64	--
W-1	6/30/1993	18.86	--	--	0.08	8.25	10.67	--
W-1	12/15/1993	18.86	--	--	--	8.60	10.26	--
W-1	2/8/1994	18.86	--	--	0.13	6.51	12.45	--
W-1	7/8/1994	18.86	--	--	--	8.64	10.22	--
W-1	8/12/1994	18.86	--	--	--	8.63	10.23	--
W-1	12/23/1994	18.86	--	--	--	5.48	13.38	--
W-1	2/3/1995	18.86	--	--	--	5.24	13.62	--
W-1	2/22/1995	18.86	--	--	0.03	7.13	11.75	--
W-1	3/24/1995	18.86	--	--	0.14	7.04	11.93	--
W-1	4/27/1995	18.86	--	--	--	6.75	12.11	--

Table 5

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

W-1	5/15/1995	18.86	--	--	0.39	6.88	12.27	--
W-1	6/16/1995	18.86	--	--	0.45	7.34	11.86	--
W-1	8/25/1995	18.86	--	--	0.18	7.89	11.11	--
W-1	10/20/1995	18.86	--	--	0.12	8.60	10.35	--
W-1	4/4/1996	18.86	--	--	0.07	5.81	13.10	--
W-1	4/16/1996	18.86	--	--	0.12	5.07	13.88	--
W-1	5/10/1996	18.86	--	--	0.09	4.75	14.18	--
W-1	5/15/1996	18.86	--	--	0.11	4.74	14.20	--
W-1	5/22/1996	18.86	--	--	0.07	8.08	10.83	--
W-1	6/5/1996	18.86	--	--	0.02	8.12	10.76	--
W-1	6/24/1996	18.86	--	--	0.01	8.28	10.59	--
W-1	7/15/1996	18.86	--	--	0.08	8.52	10.40	--
W-1	8/23/1996	18.86	--	--	--	8.63	10.23	--
W-1	9/18/1996	18.86	--	--	--	8.63	10.23	--
W-1	1/3/1997	18.86	--	--	--	4.97	13.89	--
W-1	3/12/1997	18.86	--	--	--	8.08	10.78	--
W-1	4/2/1997	18.86	--	--	0.03	8.14	10.74	--
W-1	5/1/1997	18.86	--	--	--	8.18	10.68	--
W-1	8/19/1997	18.86	--	--	--	8.57	10.29	--
W-1	9/17/1997	18.86	--	--	--	8.20	10.66	--
W-1	4/30/1998	18.86	--	--	0.08	6.70	12.22	--
W-1	7/28/1999	18.86	--	--	0.12	7.18	11.77	--
W-1	5/23/2000	18.86	--	--	--	6.91	11.95	--
W-1	5/24/2001	18.86	--	--	0.01	8.45	10.42	--
W-1	6/5/2002	18.86	--	--	--	6.42	12.44	--
W-1	5/29/2003	18.86	--	--	sheen	7.91	10.95	--
W-1	6/16/2004	18.86	--	--	0.02	7.65	11.23	--
W-1	6/20/2005	18.86	--	--	--	6.31	12.55	--
W-1	6/5/2006	18.86	--	--	--	5.99	12.87	--
W-1	10/23/2006	18.86	--	--	--	8.22	10.64	--
W-1	3/14/2007	21.89	--	--	--	5.41	16.48	--
W-1	9/10/2007	21.89	--	--	--	8.63	13.26	--
W-1	11/28/2007	21.89	--	--	--	8.62	13.27	13.27
W-1	12/13/2007	21.89	--	--	--	6.92	14.97	14.97
W-1	1/21/2008	21.89	--	--	--	8.00	13.89	13.89
W-1	2/24/2008	21.89	--	--	--	6.65	15.24	15.24
W-1	3/24/2008	21.89	--	--	--	7.37	14.52	14.52
W-1	6/2/2008	21.89	--	--	--	8.49	13.40	--
W-1	8/25/2008	21.89	--	--	--	8.61	13.28	13.28
W-1	2/18/2009	21.89	--	--	Not Monitored	--	--	NM
W-1	8/25/2009	21.89	--	--	Not Monitored	--	--	NM
W-1	3/22/2010	21.89	--	--	--	5.35	16.54	16.54
W-1	8/23/2010	21.89	--	--	--	7.40	14.49	14.49
W-1	2/7/2011	21.89	--	--	--	6.60	15.29	--
W-1	5/27/2011	21.89	--	--	--	8.42	13.47	--
W-1	8/16/2011	21.89	--	--	--	8.50	13.39	--
W-1	11/14/2011	21.89	--	--	--	8.61	13.28	--
W-1	2/20/2012	21.89	--	--	--	8.07	13.82	--
W-1	8/22/2012	21.89	--	--	--	7.79	14.10	--
W-1	11/5/2012	21.89	--	--	--	8.61	13.28	--
W-1	1/28/2013	21.89	--	--	--	5.29	16.60	--
W-1	5/9/2013	21.89	--	--	--	8.07	13.82	--
W-1	8/19/2013	21.89	--	--	DRY	--	--	--
W-1	11/25/2013	21.89	--	--	--	8.18	13.71	--
W-1	2/14/2014	21.89	--	--	--	8.06	13.83	--
W-1	5/5/2014	21.89	--	--	--	7.96	13.93	--
W-1	8/19/2014	21.89	--	--	DRY	--	--	--
W-1	11/21/2014	21.89	--	--	--	6.96	14.93	--
W-1	12/11/2017	21.89	--	--	--	4.96	16.93	--
W-1	2/26/2018	21.89	--	--	--	--	--	--
W-1	6/11/2018	21.89	--	--	--	--	--	--
W-2	1/27/1993	18.28	--	--	0.16	5.11	13.29	--
W-2	3/12/1993	18.28	--	--	0.02	7.94	10.36	--
W-2	4/14/1993	18.28	--	--	0.02	7.96	10.34	--
W-2	6/30/1993	18.28	--	--	0.09	7.65	10.70	--
W-2	12/15/1993	18.28	--	--	--	8.04	10.24	--
W-2	2/8/1994	18.28	--	--	0.13	5.93	12.45	--
W-2	7/8/1994	18.28	--	--	--	8.69	9.59	--
W-2	8/12/1994	18.28	--	--	--	8.98	9.30	--
W-2	9/21/1994	18.28	--	--	0.18	9.38	9.04	--
W-2	11/4/1994	18.28	--	--	0.37	9.51	9.05	--
W-2	12/23/1994	18.28	--	--	--	4.92	13.36	--
W-2	2/3/1995	18.28	--	--	--	5.16	13.12	--
W-2	2/22/1995	18.28	--	--	0.06	6.57	11.76	--
W-2	3/24/1995	18.28	--	--	0.14	6.48	11.91	--
W-2	4/27/1995	18.28	--	--	--	5.65	12.63	--
W-2	5/15/1995	18.28	--	--	0.57	6.48	12.23	--
W-2	6/16/1995	18.28	--	--	0.60	6.93	11.80	--
W-2	8/25/1995	18.28	--	--	0.22	7.36	11.09	--
W-2	10/20/1995	18.28	--	--	--	7.67	10.61	--
W-2	4/4/1996	18.28	--	--	0.02	5.19	13.11	--
W-2	4/16/1996	18.28	--	--	--	4.40	13.88	--
W-2	5/10/1996	18.28	--	--	--	4.10	14.18	--
W-2	5/15/1996	18.28	--	--	--	4.08	14.20	--
W-2	5/22/1996	18.28	--	--	--	7.59	10.69	--
W-2	6/5/1996	18.28	--	--	--	7.69	10.59	--
W-2	6/24/1996	18.28	--	--	--	8.08	10.20	--
W-2	7/15/1996	18.28	--	--	--	8.45	9.83	--
W-2	8/23/1996	18.28	--	--	--	8.80	9.48	--
W-2	9/18/1996	18.28	--	--	--	8.98	9.30	--
W-2	1/3/1997	18.28	--	--	--	4.48	13.80	--
W-2	3/12/1997	18.28	--	--	--	7.57	10.71	--
W-2	4/2/1997	18.28	--	--	--	7.60	10.68	--
W-2	5/1/1997	18.28	--	--	--	7.72	10.56	--
W-2	8/19/1997	18.28	--	--	--	8.10	10.18	--
W-2	9/18/1997	18.28	--	--	0.07	7.40	10.93	--
W-2	4/30/1998	18.28	--	--	0.07	6.11	12.22	--
W-2	7/29/1999	18.28	--	--	--	6.50	11.78	--
W-2	5/23/2000	18.28	--	--	--	6.33	11.95	--
W-2	5/24/2001	18.28	--	--	--	8.10	10.18	--
W-2	6/5/2002	18.28	--	--	0.02	5.87	12.43	--
W-2	5/28/2003	18.28	--	--	sheen	7.32	10.96	--
W-2	6/15/2004	18.28	--	--	--	8.55	9.73	--
W-2	6/22/2005	18.28	--	--	--	5.71	12.57	--
W-2	6/5/2006	18.28	--	--	--	5.38	12.90	--

Table 5

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

W-2	10/23/2006	18.28	--	--	--	7.63	10.65	--
W-2	3/14/2007	21.30	--	--	--	4.82	16.48	--
W-2	9/10/2007	21.30	--	--	--	8.97	12.33	--
W-2	11/28/2007	21.30	--	--	--	8.15	13.15	13.15
W-2	12/13/2007	21.30	--	--	--	7.65	13.65	13.65
W-2	1/21/2008	21.30	--	--	--	7.58	13.72	13.72
W-2	2/24/2008	21.30	--	--	--	6.04	15.26	15.26
W-2	3/24/2008	21.30	--	--	--	6.78	14.52	14.52
W-2	6/2/2008	21.30	--	--	--	8.25	13.05	--
W-2	8/25/2008	21.30	--	--	--	8.51	12.79	12.79
W-2	2/18/2009	21.30	--	--	Not Monitored			NM
W-2	8/25/2009	21.30	--	--	Not Monitored			NM
W-2	3/22/2010	21.30	--	--	--	4.78	16.52	16.52
W-2	8/23/2010	21.30	--	--	--	6.79	14.51	14.51
W-2	2/7/2011	21.30	--	--	--	5.99	15.31	--
W-2	5/27/2011	21.30	--	--	--	7.61	13.69	--
W-2	8/8/2011	21.30	--	--	--	8.38	12.92	--
W-2	11/14/2011	21.30	--	--	--	8.46	12.84	--
W-2	2/20/2012	21.30	--	--	--	7.60	13.70	--
W-2	8/22/2012	21.30	--	--	--	7.20	14.10	--
W-2	11/5/2012	21.30	--	--	--	8.39	12.91	--
W-2	5/9/2013	21.30	--	--	--	7.56	13.74	--
W-2	8/19/2013	21.30	--	--	--	8.71	12.59	--
W-2	11/25/2013	21.30	--	--	--	7.72	13.58	--
W-2	2/14/2014	21.30	--	--	--	7.60	13.70	--
W-2	5/5/2014	21.30	--	--	--	7.58	13.72	--
W-2	8/19/2014	21.30	--	--	--	8.91	12.39	--
W-2	11/21/2014	21.30	--	--	--	6.37	14.93	--
W-3	1/27/1993	17.10	--	--	--	5.42	11.68	--
W-3	3/12/1993	17.10	--	--	--	6.11	10.99	--
W-3	4/14/1993	17.10	--	--	--	5.88	11.22	--
W-3	12/15/1993	17.10	--	--	--	5.59	11.51	--
W-3	11/4/1994	17.10	--	--	--	7.72	9.38	--
W-3	2/22/1995	17.10	--	--	--	5.82	11.28	--
W-3	6/16/1995	17.10	--	--	--	6.37	10.73	--
W-3	10/20/1995	17.10	--	--	--	6.17	10.93	--
W-3	4/4/1996	17.10	--	--	--	5.19	11.91	--
W-3	4/16/1996	17.10	--	--	--	4.86	12.24	--
W-3	5/10/1996	17.10	--	--	--	4.83	12.27	--
W-3	5/15/1996	17.10	--	--	--	4.71	12.39	--
W-3	5/22/1996	17.10	--	--	--	5.78	11.32	--
W-3	6/5/1996	17.10	--	--	--	6.07	11.03	--
W-3	6/24/1996	17.10	--	--	--	6.30	10.80	--
W-3	7/15/1996	17.10	--	--	--	6.65	10.45	--
W-3	9/18/1996	17.10	--	--	--	6.37	10.73	--
W-3	1/3/1997	17.10	--	--	--	3.72	13.38	--
W-3	4/2/1997	17.10	--	--	0.04	5.83	11.30	--
W-3	5/1/1997	17.10	--	--	--	5.80	11.30	--
W-3	4/29/1998	17.10	--	--	--	5.81	11.29	--
W-3	7/30/1999	17.10	--	--	--	6.11	10.99	--
W-3	5/23/2000	17.10	--	--	--	5.55	11.55	--
W-3	5/22/2001	17.10	--	--	--	6.10	11.00	--
W-3	6/4/2002	17.10	--	--	--	5.78	11.32	--
W-3	5/28/2003	17.10	--	--	--	6.26	10.84	--
W-3	6/16/2004	17.10	--	--	0.02	6.23	10.89	--
W-3	6/21/2005	17.10	--	--	--	5.75	11.35	--
W-3	6/5/2006	17.10	--	--	--	5.43	11.67	--
W-3	10/23/2006	17.10	--	--	--	6.22	10.88	--
W-3	3/14/2007	19.95	--	--	--	4.74	15.21	--
W-3	9/10/2007	19.95	--	--	--	6.55	13.40	--
W-3	11/28/2007	19.95	--	--	--	8.84	11.11	11.11
W-3	12/13/2007	19.95	--	--	--	5.79	14.16	14.16
W-3	1/21/2008	19.95	--	--	--	5.44	14.51	14.51
W-3	2/24/2008	19.95	--	--	--	5.77	14.18	14.18
W-3	3/24/2008	19.95	--	--	--	5.75	14.20	14.20
W-3	6/2/2008	19.95	--	--	--	6.20	13.75	--
W-3	8/25/2008	19.95	--	--	--	5.79	14.16	14.16
W-3	2/18/2009	19.95	--	--	Not Monitored			NM
W-3	8/25/2009	19.95	--	--	Not Monitored			NM
W-3	3/22/2010	19.95	--	--	--	4.61	15.34	15.34
W-3	8/23/2010	19.95	--	--	--	5.84	14.11	14.11
W-3	2/7/2011	19.95	--	--	--	4.69	15.26	--
W-3	5/27/2011	19.95	--	--	Not Monitored			
W-3	8/8/2011	19.95	--	--	Dry			
W-3	11/14/2011	19.95	--	--	Dry			
W-3	2/20/2012	19.95	--	--	Dry			
W-3	8/22/2012	19.95	--	--	Dry			
W-3	11/5/2012	19.95	--	--	--	4.98	14.97	--
W-3	1/28/2013	19.95	--	--	--	4.01	15.94	--
W-3	5/9/2013	19.95	DRY	--	--			
W-3	8/19/2013	19.95	DRY	--	--			
W-3	5/5/2014	19.95	--	--	--	3.61	16.34	--
W-3	8/19/2014	19.95	--	--	DRY			
W-3	11/21/2014	19.95	--	--	--	4.59	15.36	--
W-4	1/27/1993	18.03	--	--	--	4.43	13.60	--
W-4	3/12/1993	18.03	--	--	--	7.43	10.60	--
W-4	4/14/1993	18.03	--	--	--	7.32	10.71	--
W-4	12/15/1993	18.03	--	--	--	6.59	11.44	--
W-4	11/4/1994	18.03	--	--	--	8.20	9.83	--
W-4	2/22/1995	18.03	--	--	--	7.17	10.86	--
W-4	6/16/1995	18.03	--	--	--	7.55	10.48	--
W-4	10/20/1995	18.03	--	--	--	7.67	10.36	--
W-4	4/4/1996	18.03	--	--	--	6.12	11.91	--
W-4	4/16/1996	18.03	--	--	--	5.74	12.29	--
W-4	5/10/1996	18.03	--	--	--	5.99	12.04	--
W-4	5/15/1996	18.03	--	--	--	5.67	12.36	--
W-4	5/22/1996	18.03	--	--	--	7.20	10.83	--
W-4	6/5/1996	18.03	--	--	--	7.41	10.62	--
W-4	6/24/1996	18.03	--	--	--	7.49	10.54	--
W-4	7/15/1996	18.03	--	--	--	7.73	10.30	--
W-4	1/3/1997	18.03	--	--	--	4.80	13.23	--
W-4	4/2/1997	18.03	--	--	--	7.37	10.66	--
W-4	5/1/1997	18.03	--	--	--	7.34	10.69	--
W-4	4/29/1998	18.03	--	--	--	6.84	11.19	--

Table 5

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

W-4	7/30/1999	18.03	--	--	--	7.30	10.73	--
W-4	5/23/2001	18.03	--	--	0.03	7.71	10.34	--
W-4	6/4/2002	18.03	--	--	--	6.84	11.19	--
W-4	5/28/2003	18.03	--	--	sheen	7.68	10.35	--
W-4	6/15/2004	18.03	--	--	0.02	7.65	10.40	--
W-4	6/21/2005	18.03	--	--	--	6.78	11.25	--
W-4	6/5/2006	18.03	--	--	--	6.23	11.80	--
W-4	10/23/2006	18.03	--	--	--	7.67	10.36	--
W-4	3/14/2007	20.91	--	--	--	5.70	15.21	--
W-4	9/10/2007	20.91	--	--	--	8.20	12.71	--
W-4	11/28/2007	20.91	--	--	--	7.68	13.23	13.23
W-4	12/13/2007	20.91	--	--	--	7.40	13.51	13.51
W-4	1/21/2008	20.91	--	--	--	6.30	14.61	14.61
W-4	2/24/2008	20.91	--	--	--	6.81	14.10	14.10
W-4	3/24/2008	20.91	--	--	--	6.78	14.13	14.13
W-4	6/2/2008	20.91	--	--	--	7.69	13.22	--
W-4	8/25/2008	20.91	--	--	--	8.00	12.91	12.91
W-4	2/18/2009	20.91	--	--	Not Monitored	--	--	NM
W-4	8/25/2009	20.91	--	--	Not Monitored	--	--	NM
W-4	3/22/2010	20.91	--	--	--	5.89	15.02	15.02
W-4	8/23/2010	20.91	--	--	--	7.11	13.80	13.80
W-4	2/7/2011	20.91	--	--	--	6.01	14.90	--
W-4	5/27/2011	20.91	--	--	Not Monitored	--	--	--
W-4	8/8/2011	20.91	--	--	--	7.81	13.1	--
W-4	11/14/2011	20.91	--	--	--	7.89	13.02	--
W-4	2/20/2012	20.91	--	--	--	7.90	13.01	--
W-4	8/22/2012	20.91	--	--	--	7.55	13.36	--
W-4	5/9/2013	20.91	--	--	--	7.86	13.05	--
W-4	5/5/2014	20.91	--	--	--	4.91	16.00	--
W-4	8/19/2014	20.91	--	--	--	7.85	13.06	--
B-1	1/27/1993	18.62	--	--	--	5.55	13.07	--
B-1	3/12/1993	18.62	--	--	--	6.64	11.98	--
B-1	4/14/1993	18.62	--	--	--	5.65	12.97	--
B-1	6/30/1993	18.62	--	--	--	6.81	11.81	--
B-1	12/15/1993	18.62	--	--	--	7.82	10.80	--
B-1	11/4/1994	18.62	--	--	--	8.80	9.82	--
B-1	2/22/1995	18.62	--	--	--	4.54	14.08	--
B-1	5/15/1995	18.62	--	--	--	6.25	12.37	--
B-1	6/16/1995	18.62	--	--	--	7.00	11.62	--
B-1	10/20/1995	18.62	--	--	--	7.75	10.87	--
B-1	4/4/1996	18.62	--	--	--	5.13	13.49	--
B-1	4/16/1996	18.62	--	--	--	4.93	13.69	--
B-1	5/10/1996	18.62	--	--	--	4.73	13.89	--
B-1	5/15/1996	18.62	--	--	--	4.73	13.89	--
B-1	5/22/1996	18.62	--	--	--	5.03	13.59	--
B-1	6/5/1996	18.62	--	--	--	5.88	12.74	--
B-1	6/24/1996	18.62	--	--	--	6.80	11.82	--
B-1	7/15/1996	18.62	--	--	--	7.48	11.14	--
B-1	1/3/1997	18.62	--	--	--	3.55	15.07	--
B-1	3/12/1997	18.62	--	--	--	4.62	14.00	--
B-1	4/2/1997	18.62	--	--	--	4.93	13.69	--
B-1	5/1/1997	18.62	--	--	--	5.52	13.10	--
B-1	8/19/1997	18.62	--	--	--	7.51	11.11	--
B-1	9/17/1997	18.62	--	--	--	6.80	11.82	--
B-1	5/1/1998	18.62	--	--	--	6.42	12.20	--
B-1	5/23/2000	18.62	--	--	--	6.53	12.09	--
B-1	5/24/2001	18.62	--	--	--	6.65	11.97	--
B-1	6/5/2002	18.62	--	--	--	6.52	12.10	--
B-1	5/29/2003	18.62	--	--	--	6.81	11.81	--
B-1	6/15/2004	18.62	--	--	--	7.43	11.19	--
B-1	6/20/2005	18.62	--	--	--	6.43	12.19	--
B-1	6/5/2006	18.62	--	--	--	6.13	12.49	--
B-1	10/23/2006	18.62	--	--	--	7.86	10.76	--
B-1	3/14/2007	21.61	--	--	--	5.00	16.61	--
B-1	9/10/2007	21.61	--	--	--	8.00	13.61	--
B-1	12/13/2007	21.61	--	--	--	5.97	15.64	15.64
B-1	1/21/2008	21.61	--	--	--	5.09	16.52	16.52
B-1	2/24/2008	21.61	--	--	--	5.63	15.98	15.98
B-1	3/24/2008	21.61	--	--	--	6.20	15.41	15.41
B-1	6/2/2008	21.61	--	--	--	7.17	14.44	--
B-1	8/25/2008	21.61	--	--	--	7.95	13.66	13.66
B-1	2/18/2009	21.61	--	--	Not Monitored	--	--	NM
B-1	8/25/2009	21.61	--	--	Not Monitored	--	--	NM
B-1	3/22/2010	21.61	--	--	--	5.09	16.52	16.52
B-1	8/23/2010	21.61	--	--	--	7.50	14.11	14.11
B-1	2/7/2011	21.61	--	--	--	5.00	16.61	--
B-1	5/27/2011	21.61	--	--	--	6.73	14.88	--
B-1	11/14/2011	21.61	--	--	--	7.58	14.03	--
B-1	2/20/2012	21.61	--	--	--	4.82	16.79	--
B-1	8/22/2012	21.61	--	--	--	7.50	14.11	--
B-1	11/5/2012	21.61	--	--	--	7.21	14.40	--
B-1	1/28/2013	21.61	--	--	--	4.93	16.68	--
B-1	5/9/2013	21.61	--	--	--	5.64	15.97	--
B-1	8/19/2013	21.61	--	--	--	7.96	13.65	--
B-1	11/25/2013	21.61	--	--	--	6.03	15.58	--
B-1	2/14/2014	21.61	--	--	--	5.45	16.16	--
B-1	5/5/2014	21.61	--	--	--	4.23	17.38	--
B-1	8/19/2014	21.61	--	--	--	7.75	13.86	--
B-1	11/21/2014	21.61	--	--	--	5.71	15.90	--
B-2	1/27/1993	18.60	--	--	1.08	6.20	13.21	--
B-2	3/12/1993	18.60	--	--	0.24	8.15	10.63	--
B-2	4/14/1993	18.60	--	--	1.25	8.82	10.72	--
B-2	6/30/1993	18.60	--	--	0.75	8.47	10.69	--
B-2	12/15/1993	18.60	--	--	0.21	8.62	10.14	--
B-2	2/8/1994	18.60	--	--	0.50	6.63	12.35	--
B-2	7/8/1994	18.60	--	--	--	8.95	9.65	--
B-2	8/12/1994	18.60	--	--	--	9.34	9.26	--
B-2	9/21/1994	18.60	--	--	0.10	9.70	8.98	--
B-2	11/4/1994	18.60	--	--	0.12	9.68	9.01	--
B-2	12/23/1994	18.60	--	--	--	5.18	13.42	--
B-2	2/3/1995	18.60	--	--	Not Monitored	--	--	--
B-2	2/22/1995	18.60	--	--	0.03	6.03	12.59	--
B-2	5/15/1995	18.60	--	--	0.04	6.46	12.17	--
B-2	6/16/1995	18.60	--	--	--	6.92	11.68	--

Table 5

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

B-2	10/20/1995	18.60	--	--	--	8.10	10.50	--
B-2	4/4/1996	18.60	--	--	0.83	5.40	13.82	--
B-2	4/16/1996	18.60	--	--	--	4.80	13.80	--
B-2	5/10/1996	18.60	--	--	0.43	4.88	14.04	--
B-2	5/15/1996	18.60	--	--	0.42	4.85	14.07	--
B-2	5/22/1996	18.60	--	--	0.05	7.14	11.50	--
B-2	6/5/1996	18.60	--	--	--	5.62	12.98	--
B-2	6/24/1996	18.60	--	--	--	8.17	10.43	--
B-2	7/15/1996	18.60	--	--	--	8.65	9.95	--
B-2	8/23/1996	18.60	--	--	--	9.08	9.52	--
B-2	9/18/1996	18.60	--	--	--	9.33	9.27	--
B-2	1/3/1997	18.60	--	--	--	3.91	14.69	--
B-2	3/12/1997	18.60	--	--	--	7.05	11.55	--
B-2	4/2/1997	18.60	--	--	--	7.15	11.45	--
B-2	5/1/1997	18.60	--	--	--	7.49	11.11	--
B-2	7/8/1997	18.60	--	--	0.02	6.03	12.59	--
B-2	8/19/1997	18.60	--	--	--	8.43	10.17	--
B-2	8/26/1997	18.60	--	--	--	8.52	10.08	--
B-2	9/18/1997	18.60	--	--	--	7.70	10.90	--
B-2	4/29/1998	18.60	--	--	--	6.47	12.13	--
B-2	7/30/1999	18.60	--	--	--	7.00	11.60	--
B-2	5/23/2000	18.60	--	--	--	6.67	11.93	--
B-2	5/24/2001	18.60	--	--	0.14	8.24	10.47	--
B-2	6/5/2002	18.60	--	--	0.31	6.56	12.27	--
B-2	5/29/2003	18.60	--	--	--	7.75	10.85	--
B-2	6/15/2004	18.60	--	--	--	8.76	9.84	--
B-2	6/20/2005	18.60	--	--	0.29	6.34	12.48	--
B-2	6/5/2006	18.60	--	--	0.02	8.87	9.75	--
B-2	10/23/2006	18.60	--	--	--	8.15	10.45	--
B-2	3/14/2007	21.82	--	--	--	5.23	16.59	--
B-2	9/10/2007	21.82	--	--	--	9.31	12.51	--
B-2	11/28/2007	21.82	3.85	17.97	1.50	5.35	17.60	18.72
B-2	12/13/2007	21.82	4.16	17.66	3.37	7.53	16.82	19.35
B-2	1/21/2008	21.82	--	--	--	7.08	14.74	14.74
B-2	2/24/2008	21.82	--	--	--	6.48	15.34	15.34
B-2	3/24/2008	21.82	--	--	--	7.19	14.63	14.63
B-2	6/2/2008	21.82	--	--	--	8.47	13.35	--
B-2	8/25/2008	21.82	--	--	--	8.85	12.97	12.97
B-2	2/18/2009	21.82	--	--	Not Monitored			NM
B-2	8/25/2009	21.82	--	--	Not Monitored			NM
B-2	3/22/2010	21.82	--	--	--	5.29	16.53	16.53
B-2	8/23/2010	21.82	--	--	--	7.37	14.45	14.45
B-2	2/7/2011	21.82	--	--	--	6.27	15.55	--
B-2	5/27/2011	21.82	--	--	--	7.26	14.56	--
B-2	11/14/2011	21.82	--	--	--	8.71	13.11	--
B-2	2/20/2012	21.82	--	--	--	7.12	14.70	--
B-2	8/22/2012	21.82	--	--	--	7.68	14.14	--
B-2	11/5/2012	21.82	--	--	--	8.78	13.04	--
B-2	1/28/2013	21.82	--	--	--	5.08	16.74	--
B-2	5/9/2013	21.82	--	--	--	7.00	14.82	--
B-2	8/19/2013	21.82	--	--	--	9.02	12.80	--
B-2	11/25/2013	21.82	--	--	--	7.72	14.10	--
B-2	2/14/2014	21.82	--	--	--	7.12	14.70	--
B-2	5/5/2014	21.82	--	--	--	6.77	15.05	--
B-2	8/19/2014	21.82	--	--	--	9.21	12.61	--
B-2	11/21/2014	21.82	--	--	--	6.64	15.18	--
B-3	1/27/1993	18.73	--	--	4.64	10.18	12.03	--
B-3	3/12/1993	18.73	--	--	3.49	11.64	9.71	--
B-3	4/14/1993	18.73	--	--	2.64	10.75	9.96	--
B-3	6/30/1993	18.73	--	--	2.36	11.21	9.29	--
B-3	12/15/1993	18.73	--	--	0.68	11.05	8.19	--
B-3	2/8/1994	18.73	--	--	4.07	11.48	10.30	--
B-3	7/8/1994	18.73	--	--	2.37	11.58	8.93	--
B-3	8/12/1994	18.73	--	--	1.70	11.55	8.46	--
B-3	9/21/1994	18.73	--	--	0.82	11.60	7.75	--
B-3	11/4/1994	18.73	--	--	1.20	11.60	8.03	--
B-3	12/23/1994	18.73	--	--	6.00	11.95	11.28	--
B-3	2/3/1995	18.73	--	--	0.05	5.00	13.77	--
B-3	2/22/1995	18.73	--	--	8.63	13.68	11.52	--
B-3	3/24/1995	18.73	--	--	6.30	11.60	11.86	--
B-3	4/27/1995	18.73	--	--	3.70	9.90	11.61	--
B-3	5/15/1995	18.73	--	--	5.06	11.46	11.07	--
B-3	6/16/1995	18.73	--	--	4.53	11.48	10.65	--
B-3	8/25/1995	18.73	--	--	3.44	11.47	9.84	--
B-3	10/20/1995	18.73	--	--	0.55	9.91	9.23	--
B-3	4/4/1996	18.73	--	--	6.34	11.12	12.37	--
B-3	4/16/1996	18.73	--	--	5.28	10.04	12.65	--
B-3	5/10/1996	18.73	--	--	3.09	7.49	13.56	--
B-3	5/15/1996	18.73	--	--	2.52	6.93	13.69	--
B-3	5/22/1996	18.73	--	--	0.44	7.69	11.37	--
B-3	6/5/1996	18.73	--	--	1.54	9.31	10.58	--
B-3	6/24/1996	18.73	--	--	3.35	11.78	9.46	--
B-3	7/15/1996	18.73	--	--	2.77	11.59	9.22	--
B-3	8/23/1996	18.73	--	--	2.11	11.66	8.65	--
B-3	9/18/1996	18.73	--	--	1.96	11.63	8.57	--
B-3	1/3/1997	18.73	--	--	0.45	5.00	14.07	--
B-3	3/12/1997	18.73	--	--	0.61	8.15	11.04	--
B-3	4/2/1997	18.73	--	--	--	7.62	11.11	--
B-3	5/1/1997	18.73	--	--	1.20	7.93	11.70	--
B-3	7/8/1997	18.73	--	--	5.02	11.00	11.50	--
B-3	8/19/1997	18.73	--	--	2.52	11.12	9.50	--
B-3	8/26/1997	18.73	--	--	2.77	11.57	9.24	--
B-3	9/18/1997	18.73	--	--	0.37	10.28	8.73	--
B-3	4/30/1998	18.73	--	--	5.56	11.59	11.31	--
B-3	7/28/1999	18.73	--	--	4.77	11.63	10.68	--
B-3	5/23/2000	18.73	--	--	3.73	10.63	10.90	--
B-3	5/24/2001	18.73	--	--	2.00	10.81	9.42	--
B-3	6/5/2002	18.73	--	--	5.48	11.45	11.39	--
B-3	5/27/2003	18.73	--	--	3.55	11.42	9.97	--
B-3	6/15/2004	18.73	--	--	2.35	11.50	8.99	--
B-3	6/20/2005	18.73	--	--	3.52	9.30	12.07	--
B-3	6/5/2006	18.73	--	--	0.02	5.82	12.93	--
B-3	10/23/2006	18.73	--	--	0.91	9.05	10.36	--
B-3	3/14/2007	21.77	--	--	0.08	5.56	16.27	--
B-3	9/10/2007	21.77	--	--	0.08	10.21	11.62	--

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

B-3A	11/28/2007	21.77	--	--	--	8.60	13.17	13.17
B-3A	12/13/2007	21.77	--	--	--	7.96	13.81	13.81
B-3A	1/21/2008	21.77	--	--	--	7.09	14.68	14.68
B-3A	2/24/2008	21.77	--	--	--	6.69	15.08	15.08
B-3A	3/24/2008	21.77	--	--	--	7.38	14.39	14.39
B-3A	6/2/2008	21.85	--	--	--	8.62	13.23	--
B-3A	8/25/2008	21.85	--	--	--	8.93	12.92	12.92
B-3A	2/18/2009	21.85	--	--	Not Monitored			NM
B-3A	8/25/2009	21.85	--	--	Not Monitored			NM
B-3A	3/22/2010	21.85	--	--	--	5.31	16.54	16.54
B-3A	8/23/2010	21.85	7.31	14.54	0.23	7.54	14.48	14.66
B-3A	2/7/2011	21.85	--	--	--	6.56	15.29	--
B-3A	5/27/2011	21.85	--	--	--	7.75	14.10	--
B-3A	8/8/2011	21.85	--	--	--	8.61	13.24	--
B-3A	11/14/2011	21.85	--	--	--	8.87	12.98	--
B-3A	2/20/2012	21.85	--	--	--	7.69	14.16	--
B-3A	8/22/2012	21.85	--	--	--	7.79	14.06	--
B-3A	11/5/2012	21.85	--	--	--	9.07	12.78	--
B-3A	1/28/2013	21.85	--	--	--	5.31	16.54	--
B-3A	5/9/2013	21.85	--	--	--	7.54	14.31	--
B-3A	8/19/2013	21.85	9.08	12.77	0.03	9.11	12.76	--
B-3A	11/25/2013	21.85	--	--	--	8.04	13.81	--
B-3A	2/14/2014	21.85	--	--	--	7.67	14.18	--
B-3A	5/5/2014	21.85	--	--	--	7.41	14.44	--
B-3A	8/19/2014	21.85	--	--	--	9.51	12.34	--
B-3A	11/21/2014	21.85	--	--	--	6.79	15.06	--
B-3A	11/14/2016	21.85	--	--	--	5.55	16.30	--
B-3A	11/18/2016	--	--	--	--	--	--	--
B-3A	2/16/2017	21.85	--	--	--	4.43	17.42	--
B-3A	5/25/2017	21.85	--	--	--	5.23	16.62	--
B-3A	9/26/2017	21.85	--	--	--	8.69	13.16	--
B-3A	12/14/2017	21.85	--	--	--	4.97	16.88	--
B-3A	2/26/2018	21.85	--	--	--	5.05	16.80	--
B-3A	6/11/2018	21.85	--	--	--	7.05	14.80	--
B-3A	8/29/2018	21.85	--	--	--	8.58	13.27	--
B-3A	12/17/2018	21.85	--	--	--	5.50	16.35	--
B-4	1/27/1993	18.09	--	--	0.59	5.16	13.37	--
B-4	3/12/1993	18.09	--	--	0.03	7.48	10.63	--
B-4	4/14/1993	18.09	--	--	0.07	7.23	10.91	--
B-4	6/30/1993	18.09	--	--	--	7.20	10.89	--
B-4	12/15/1993	18.09	--	--	0.30	8.01	10.31	--
B-4	2/8/1994	18.09	--	--	0.78	6.29	12.39	--
B-4	7/8/1994	18.09	--	--	--	8.42	9.67	--
B-4	8/12/1994	18.09	--	--	--	8.79	9.30	--
B-4	9/21/1994	18.09	--	--	--	9.07	9.02	--
B-4	11/4/1994	18.09	--	--	--	8.94	9.15	--
B-4	12/23/1994	18.09	--	--	0.34	4.69	13.66	--
B-4	2/3/1995	18.09	--	--	0.90	5.00	13.77	--
B-4	2/22/1995	18.09	--	--	0.64	5.77	12.80	--
B-4	3/24/1995	18.09	--	--	0.90	6.09	12.68	--
B-4	4/27/1995	18.09	--	--	0.50	6.00	12.47	--
B-4	5/15/1995	18.09	--	--	0.44	6.24	12.18	--
B-4	6/16/1995	18.09	--	--	0.03	6.42	11.69	--
B-4	8/25/1995	18.09	--	--	--	7.14	10.95	--
B-4	10/20/1995	18.09	--	--	--	7.12	10.97	--
B-4	4/4/1996	18.09	--	--	--	5.03	13.06	--
B-4	4/16/1996	18.09	--	--	0.49	4.75	13.71	--
B-4	5/10/1996	18.09	--	--	0.92	4.71	14.07	--
B-4	5/15/1996	18.09	--	--	0.87	4.61	14.13	--
B-4	5/22/1996	18.09	--	--	0.68	7.10	11.50	--
B-4	6/5/1996	18.09	--	--	0.10	7.17	11.00	--
B-4	6/24/1996	18.09	--	--	--	7.67	10.42	--
B-4	7/15/1996	18.09	--	--	--	8.13	9.96	--
B-4	8/23/1996	18.09	--	--	--	8.59	9.50	--
B-4	9/18/1996	18.09	--	--	--	8.78	9.31	--
B-4	1/3/1997	18.09	--	--	1.61	4.46	14.84	--
B-4	3/12/1997	18.09	--	--	0.10	6.45	11.72	--
B-4	4/2/1997	18.09	--	--	0.01	6.54	11.56	--
B-4	5/1/1997	18.09	--	--	--	6.87	11.22	--
B-4	8/19/1997	18.09	--	--	--	7.87	10.22	--
B-4	8/26/1997	18.09	--	--	--	8.08	10.01	--
B-4	9/18/1997	18.09	--	--	--	7.40	10.69	--
B-4	4/30/1998	18.09	--	--	0.02	5.93	12.18	--
B-4	7/29/1999	18.09	--	--	--	6.42	11.67	--
B-4	5/23/2000	18.09	--	--	--	6.10	11.99	--
B-4	5/23/2001	18.09	--	--	--	7.46	10.63	--
B-4	6/5/2002	18.09	--	--	0.48	6.18	12.27	--
B-4	5/29/2003	18.09	--	--	sheen	7.10	10.99	--
B-4	6/15/2004	18.09	--	--	0.05	8.20	9.93	--
B-4	6/20/2005	18.09	--	--	0.48	5.95	12.50	--
B-4	6/5/2006	18.09	--	--	0.55	5.67	12.83	--
B-4	10/23/2006	18.09	--	--	0.04	7.60	10.52	--
B-4	3/14/2007	21.28	--	--	0.21	4.66	16.78	--
B-4	9/10/2007	21.28	--	--	--	8.78	12.50	--
B-4	11/28/2007	21.28	--	--	--	7.62	13.66	13.66
B-4	12/13/2007	21.28	--	--	--	6.82	14.46	14.46
B-4	1/21/2008	21.28	--	--	Not Monitored			--
B-4	2/24/2008	21.28	--	--	--	5.88	15.40	15.40
B-4	3/24/2008	21.28	--	--	--	6.52	14.76	14.76
B-4	6/2/2008	21.28	--	--	--	7.96	13.32	--
B-4	8/25/2008	21.28	--	--	--	8.35	12.93	12.93
B-4	2/18/2009	21.28	--	--	Not Monitored			NM
B-4	8/25/2009	21.28	--	--	Not Monitored			NM
B-4	3/22/2010	21.28	4.64	16.64	0.46	5.10	16.53	16.53
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	--



Table 5

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

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

Table 5

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

B-6	3/12/1993	17.94	--	--	--	7.86	10.08	--
B-6	4/14/1993	17.94	--	--	--	7.89	10.05	--
B-6	6/30/1993	17.94	--	--	--	7.26	10.68	--
B-6	12/15/1993	17.94	--	--	--	7.69	10.25	--
B-6	2/8/1994	17.94	--	--	--	5.61	12.33	--
B-6	7/8/1994	17.94	--	--	--	8.52	9.42	--
B-6	8/12/1994	17.94	--	--	0.76	9.38	9.13	--
B-6	9/21/1994	17.94	--	--	1.37	10.08	8.89	--
B-6	11/4/1994	17.94	--	--	1.76	10.48	8.78	--
B-6	12/23/1994	17.94	--	--	--	4.77	13.17	--
B-6	2/3/1995	17.94	--	--	0.05	4.79	13.19	--
B-6	2/22/1995	17.94	--	--	0.01	5.07	12.88	--
B-6	3/24/1995	17.94	--	--	0.77	6.97	11.55	--
B-6	4/27/1995	17.94	--	--	0.10	3.65	14.37	--
B-6	5/15/1995	17.94	--	--	0.46	6.10	12.19	--
B-6	6/16/1995	17.94	--	--	0.69	6.71	11.75	--
B-6	8/25/1995	17.94	--	--	0.37	7.20	11.02	--
B-6	10/20/1995	17.94	--	--	0.18	7.54	10.54	--
B-6	4/4/1996	17.94	--	--	1.46	5.79	13.25	--
B-6	4/16/1996	17.94	--	--	2.24	5.92	13.70	--
B-6	5/10/1996	17.94	--	--	2.20	5.64	13.95	--
B-6	5/15/1996	17.94	--	--	2.33	5.72	13.97	--
B-6	5/17/1996	17.94	--	--	Not Monitored	--	--	--
B-6	5/22/1996	17.94	--	--	--	7.34	10.60	--
B-6	6/5/1996	17.94	--	--	0.41	8.00	10.25	--
B-6	6/24/1996	17.94	--	--	0.25	8.20	9.93	--
B-6	7/15/1996	17.94	--	--	0.59	8.77	9.61	--
B-6	8/23/1996	17.94	--	--	0.92	9.34	9.29	--
B-6	9/18/1996	17.94	--	--	0.91	9.51	9.11	--
B-6	1/3/1997	17.94	--	--	--	3.71	14.23	--
B-6	3/12/1997	17.94	--	--	--	7.01	10.93	--
B-6	4/2/1997	17.94	--	--	--	7.56	10.38	--
B-6	5/1/1997	17.94	--	--	--	7.65	10.29	--
B-6	8/19/1997	17.94	--	--	--	7.81	10.13	--
B-6	9/17/1997	17.94	--	--	--	7.00	10.94	--
B-6	4/29/1998	17.94	--	--	--	5.89	12.05	--
B-6	7/29/1999	17.94	--	--	--	6.15	11.79	--
B-6	5/24/2001	17.94	--	--	--	8.05	9.89	--
B-6	6/5/2002	17.94	--	--	0.10	5.65	12.37	--
B-6	5/29/2003	17.94	--	--	--	7.08	10.86	--
B-6	6/15/2004	17.94	--	--	--	8.42	9.52	--
B-6	6/22/2005	17.94	--	--	--	5.44	12.50	--
B-6	6/5/2006	17.94	--	--	--	5.10	12.84	--
B-6	10/23/2006	17.94	--	--	--	7.34	10.60	--
B-6	3/14/2007	21.00	--	--	--	4.46	16.54	--
B-6	9/10/2007	21.00	--	--	--	8.76	12.24	--
B-6	11/28/2007	21.00	--	--	--	9.50	11.50	11.50
B-6	12/13/2007	21.00	--	--	--	1.79	19.21	19.21
B-6	1/21/2008	21.00	--	--	--	11.60	9.40	9.40
B-6	2/24/2008	21.00	--	--	--	5.78	15.22	15.22
B-6	3/24/2008	21.00	--	--	--	6.47	14.53	14.53
B-6	6/2/2008	21.00	--	--	--	7.99	13.01	--
B-6	8/25/2008	21.00	--	--	--	8.11	12.89	12.89
B-6	2/18/2009	21.00	--	--	Not Monitored	--	--	NM
B-6	8/25/2009	21.00	--	--	Not Monitored	--	--	NM
B-6	3/22/2010	21.00	--	--	--	4.31	16.69	16.69
B-6	8/23/2010	21.00	--	--	--	6.40	14.60	14.60
B-6	2/7/2011	21.00	--	--	--	5.60	15.40	--
B-6	5/27/2011	21.00	--	--	--	7.01	13.99	--
B-6	8/8/2011	21.00	--	--	--	6.24	14.76	--
B-6	11/14/2011	21.00	--	--	--	8.19	12.81	--
B-6	2/20/2012	21.00	--	--	--	7.34	13.66	--
B-6	8/22/2012	21.00	--	--	--	6.92	14.08	--
B-6	11/5/2012	21.00	--	--	--	7.90	13.10	--
B-6	1/28/2013	21.00	--	--	--	4.42	16.58	--
B-6	5/9/2013	21.00	--	--	--	7.26	13.74	--
B-6	8/19/2013	21.00	--	--	--	8.63	12.37	--
B-6	11/25/2013	21.00	--	--	--	7.69	13.31	--
B-6	2/14/2014	21.00	--	--	--	7.29	13.71	--
B-6	5/5/2014	21.00	--	--	--	7.16	13.84	--
B-6	8/19/2014	21.00	--	--	--	8.69	12.31	--
B-6	11/21/2014	21.00	--	--	--	5.96	15.04	--
B-6	11/14/2016	21.00	--	--	--	4.11	16.89	--
B-6	11/17/2016	21.00	--	--	--	--	--	--
B-6	2/16/2017	21.00	--	--	--	3.37	17.63	--
B-6	5/25/2017	21.00	--	--	--	4.38	16.62	--
B-6	9/26/2017	21.00	7.8	13.20	0.05	7.85	13.19	--
B-6	12/14/2017	21.00	--	--	--	4.26	16.74	--
B-6	2/26/2018	21.00	--	--	--	4.30	16.70	--
B-6	6/11/2018	21.00	--	--	--	--	--	--
B-6	8/29/2018	21.00	--	--	--	7.99	13.01	--
B-6	12/17/2018	21.00	--	--	--	4.59	16.41	--
B-6	3/11/2019	21.00	--	--	--	4.59	16.41	--
B-6	6/12/2019	21.00	--	--	--	6.13	14.87	--
B-6	12/4/2019	21.00	--	--	--	5.15	15.85	--
B-6	2/24/2020	21.00	--	--	--	3.96	17.04	--
B-6	6/12/2020	21.00	--	--	--	5.29	15.71	--
B-6	12/2/2020	21.00	--	--	--	4.77	16.23	--
B-6	3/16/2021	21.00	--	--	--	4.42	16.58	--
B-6	5/24/2021	21.00	--	--	--	6.01	14.99	--
B-6	12/20/2021	21.00	--	--	--	2.82	18.18	--
B-6	3/1/2022	21.00	--	--	--	2.36	18.64	--
B-6	6/9/2022	21.00	--	--	--	5.25	15.75	--
B-6	9/1/2022	21.00	--	--	--	8.24	12.76	--
B-6	11/8/2022	21.00	--	--	--	8.25	12.75	--
B-6	2/20/2023	21.00	--	--	--	5.30	15.70	--
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	--

Table 5

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

D-1	4/16/1996	18.03	--	--	--	6.36	11.67	--
D-1	5/1/1997	18.03	--	--	--	6.06	11.97	--
D-1R	11/14/2011	20.13	--	--	--	8.66	11.47	--
D-1R	2/20/2012	20.13	--	--	--	7.31	12.82	--
D-1R	8/22/2012	20.13	--	--	--	9.49	10.64	--
D-1R	11/5/2012	20.13	--	--	--	7.77	12.36	--
D-1R	1/28/2013	20.13	--	--	--	7.78	12.35	--
D-1R	5/9/2013	20.13	--	--	--	8.33	11.80	--
D-1R	8/19/2013	20.13	--	--	--	10.28	9.85	--
D-1R	11/25/2013	20.13	--	--	--	7.91	12.22	--
D-1R	2/14/2014	20.13	--	--	--	7.25	12.88	--
D-1R	5/5/2014	20.13	--	--	--	6.46	13.67	--
D-1R	8/19/2014	20.13	--	--	--	8.99	11.14	--
D-1R	11/21/2014	20.13	--	--	--	7.61	12.52	--
D-1R	11/14/2016	20.13	--	--	--	7.22	12.91	--
D-1R	11/16/2016	--	--	--	--	--	--	--
D-1R	2/16/2017	20.13	--	--	--	6.68	13.45	--
D-1R	5/24/2017	20.13	--	--	--	7.61	12.52	--
D-1R	9/26/2017	20.13	--	--	--	9.56	10.57	--
D-1R	9/28/2017	--	--	--	--	--	--	--
D-1R	12/14/2017	20.13	--	--	--	7.31	12.82	--
D-1R	2/26/2018	20.13	--	--	--	7.45	12.68	--
D-1R	6/11/2018	20.13	--	--	--	8.86	11.27	--
D-1R	6/27/2018	20.13	--	--	--	9.21	10.92	--
D-1R	8/28/2018	20.13	--	--	--	10.02	10.11	--
D-1R	12/17/2018	20.13	--	--	--	7.24	12.89	--
D-1R	3/14/2019	20.13	--	--	--	7.70	12.43	--
D-1R	6/12/2019	20.13	--	--	--	8.92	11.21	--
D-1R	9/23/2019	20.13	--	--	--	8.01	12.12	--
D-1R	12/4/2019	20.13	--	--	--	7.93	12.20	--
D-1R	2/26/2020	20.13	--	--	--	7.32	12.81	--
D-1R	6/12/2020	20.13	--	--	--	7.93	12.20	--
D-1R	9/17/2020	20.13	--	--	--	9.68	10.45	--
D-1R	12/2/2020	20.13	--	--	--	7.51	12.62	--
D-1R	3/16/2021	20.13	--	--	--	7.68	12.45	--
D-1R	5/24/2021	20.13	--	--	--	8.68	11.45	--
D-1R	9/16/2021	20.13	--	--	--	10.20	9.93	--
D-1R	12/20/2021	20.13	--	--	--	6.96	13.17	--
D-1R	3/1/2022	20.13	--	--	--	3.79	16.34	--
D-1R	6/9/2022	20.13	--	--	--	7.67	12.46	--
D-1R	9/1/2022	20.13	--	--	--	9.54	10.59	--
D-1R	11/8/2022	20.13	--	--	--	8.19	11.94	--
D-1R	2/20/2023	20.13	--	--	--	7.58	12.55	--
D-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	--	--	--	--	--	--
D-4	8/25/2008	21.09	--	--	--	2.89	18.20	18.20
D-4	2/18/2009	21.09	--	--	Not Monitored	--	--	NM
D-4	8/25/2009	21.09	--	--	Not Monitored	--	--	NM
D-4	3/22/2010	21.09	--	--	--	5.41	15.68	15.68
D-4	8/23/2010	21.09	--	--	--	5.75	15.34	15.34
D-4	2/7/2011	21.09	--	--	--	2.93	18.16	--
D-4	5/27/2011	21.09	--	--	--	4.87	16.22	--
D-4	8/8/2011	21.09	--	--	Dry	--	--	--
D-4	10/13/2011	--	--	--	Decommissioned Well and Replaced With D-4R	--	--	--
D-4R	11/14/2011	21.27	--	--	--	9.06	12.21	--
D-4R	2/20/2012	21.27	--	--	--	7.85	13.42	--
D-4R	8/22/2012	21.27	--	--	--	10.22	11.05	--
D-4R	11/5/2012	21.27	--	--	--	8.37	12.90	--
D-4R	1/28/2013	21.27	--	--	--	8.11	13.16	--
D-4R	5/9/2013	21.27	--	--	--	8.71	12.56	--
D-4R	8/19/2013	21.27	--	--	--	10.97	10.30	--
D-4R	11/25/2013	21.27	--	--	--	8.38	12.89	--
D-4R	2/14/2014	21.27	--	--	--	7.71	13.56	--
D-4R	5/5/2014	21.27	--	--	--	7.11	14.16	--
D-4R	8/19/2014	21.27	--	--	--	9.56	11.71	--
D-4R	11/21/2014	21.27	--	--	--	7.90	13.37	--
D-4R	11/14/2016	21.27	--	--	--	6.69	14.58	--
D-4R	11/16/2016	--	--	--	--	--	--	--
D-4R	2/16/2017	21.27	--	--	--	5.23	16.04	--
D-4R	5/24/2017	21.27	--	--	--	7.10	14.17	--
D-4R	9/26/2017	21.27	--	--	--	10.23	11.04	--
D-4R	9/27/2017	--	--	--	--	--	--	--
D-4R	12/13/2017	21.27	--	--	--	6.36	14.91	--
D-4R	2/26/2018	21.27	--	--	--	6.99	14.28	--
D-4R	6/11/2018	21.27	--	--	--	8.73	12.54	--
D-4R	6/27/2018	21.27	--	--	--	9.78	11.49	--
D-4R	8/29/2018	21.27	--	--	--	10.84	10.43	--
D-4R	12/17/2018	21.27	--	--	--	6.90	14.37	--
D-5	1/27/1993	18.12	--	--	--	5.51	12.61	--
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	--

Table 5

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

D-5	6/16/1995	18.12	--	--	--	6.77	11.35	--
D-5	10/20/1995	18.12	--	--	--	6.55	11.57	--
D-5	4/4/1996	18.12	--	--	--	4.51	13.61	--
D-5	4/16/1996	18.12	--	--	--	4.94	13.18	--
D-5	5/1/1997	18.12	--	--	--	6.50	11.62	--
D-5	4/30/1998	18.12	--	--	--	6.61	11.51	--
D-5	5/27/2003	18.12	--	--	Dry	--	--	--
D-5	6/15/2004	18.12	--	--	Dry	--	--	--
D-5	6/21/2005	18.12	--	--	Dry	--	--	--
D-5	6/5/2006	18.12	--	--	--	6.51	11.61	--
D-5	10/23/2006	18.12	--	--	Dry	--	--	--
D-5	3/14/2007	21.33	--	--	Dry	--	--	--
D-5	9/10/2007	21.33	--	--	Dry	--	--	--
D-5	11/28/2007	21.33	--	--	--	6.74	14.59	14.59
D-5	12/13/2007	21.33	--	--	--	2.30	19.03	19.03
D-5	1/21/2008	21.33	--	--	Not Monitored	--	--	--
D-5	2/24/2008	21.33	--	--	--	6.23	15.10	15.10
D-5	3/24/2008	21.33	--	--	Dry	--	--	--
D-5	6/2/2008	21.33	--	--	Dry	--	--	--
D-5	8/25/2008	21.33	--	--	--	6.91	14.42	14.42
D-5	2/18/2009	21.33	--	--	Not Monitored	--	--	NM
D-5	8/25/2009	21.33	--	--	Not Monitored	--	--	NM
D-5	3/22/2010	21.33	--	--	Dry	--	--	--
D-5	8/23/2010	21.33	--	--	--	6.82	14.51	14.51
D-5	2/7/2011	21.33	--	--	--	6.90	14.43	--
D-5	5/27/2011	21.33	--	--	Not Monitored	--	--	--
D-5	8/8/2011	21.33	--	--	Dry	--	--	--
D-5	10/6/2011				Decommissioned Well and Replaced With D-5R			
D-5R	11/14/2011	21.45	--	--	--	9.39	12.06	--
D-5R	2/20/2012	21.45	--	--	--	8.33	13.12	--
D-5R	8/22/2012	21.45	--	--	--	10.44	11.01	--
D-5R	11/5/2012	21.45	--	--	--	8.79	12.66	--
D-5R	1/28/2013	21.45	--	--	--	8.83	12.62	--
D-5R	5/9/2013	21.45	--	--	--	9.16	12.29	--
D-5R	8/19/2013	21.45	--	--	--	11.11	10.34	--
D-5R	11/25/2013	21.45	--	--	--	8.80	12.65	--
D-5R	2/14/2014	21.45	--	--	--	8.21	13.24	--
D-5R	5/5/2014	21.45	--	--	--	7.65	13.80	--
D-5R	8/19/2014	21.45	--	--	--	9.72	11.73	--
D-5R	11/21/2014	21.45	--	--	--	8.32	13.13	--
D-5R	11/14/2016	21.45	--	--	--	8.15	13.30	--
D-5R	11/17/2016	21.45	--	--	--	--	--	--
D-5R	11/17/2016	21.45	--	--	--	--	--	--
D-5R	2/16/2017	21.45	--	--	--	7.30	14.15	--
D-5R	5/24/2017	21.45	--	--	--	8.34	13.11	--
D-5R	9/26/2017	21.45	--	--	--	10.24	11.21	--
D-5R	9/27/2017	21.45	--	--	--	--	--	--
D-5R	12/13/2017	21.45	--	--	--	8.10	13.35	--
D-5R	2/26/2018	21.45	--	--	--	8.21	13.24	--
D-5R	6/11/2018	21.45	--	--	--	9.32	12.13	--
D-5R	6/27/2018	21.45	--	--	--	9.91	11.54	--
D-5R	8/29/2018	21.45	--	--	--	10.98	10.47	--
D-5R	12/17/2018	21.45	--	--	--	8.12	13.33	--
D-6	1/27/1993	17.74	--	--	1.00	5.54	12.95	--
D-6	3/12/1993	17.74	--	--	--	6.79	10.95	--
D-6	4/14/1993	17.74	--	--	--	5.68	12.06	--
D-6	6/30/1993	17.74	--	--	--	6.58	11.16	--
D-6	12/15/1993	17.74	--	--	--	7.14	10.60	--
D-6	2/8/1994	17.74	--	--	--	5.27	12.47	--
D-6	7/8/1994	17.74	--	--	--	7.43	10.31	--
D-6	12/23/1994	17.74	--	--	--	5.14	12.60	--
D-6	2/3/1995	17.74	--	--	--	4.34	13.40	--
D-6	2/22/1995	17.74	--	--	--	4.79	12.95	--
D-6	3/24/1995	17.74	--	--	--	4.55	13.19	--
D-6	4/27/1995	17.74	--	--	--	6.64	11.10	--
D-6	5/15/1995	17.74	--	--	--	5.19	12.55	--
D-6	6/16/1995	17.74	--	--	--	5.67	12.07	--
D-6	8/25/1995	17.74	--	--	--	6.42	11.32	--
D-6	10/20/1995	17.74	--	--	--	4.81	12.93	--
D-6	4/4/1996	17.74	--	--	--	1.58	16.16	--
D-6	4/16/1996	17.74	--	--	--	1.21	16.53	--
D-6	5/10/1996	17.74	--	--	--	3.50	14.24	--
D-6	5/15/1996	17.74	--	--	--	3.28	14.46	--
D-6	5/22/1996	17.74	--	--	--	5.59	12.15	--
D-6	6/5/1996	17.74	--	--	--	6.09	11.65	--
D-6	6/24/1996	17.74	--	--	--	6.55	11.19	--
D-6	7/15/1996	17.74	--	--	--	7.10	10.64	--
D-6	8/23/1996	17.74	--	--	--	7.73	10.01	--
D-6	9/18/1996	17.74	--	--	--	7.09	10.65	--
D-6	1/3/1997	17.74	--	--	--	2.77	14.97	--
D-6	3/12/1997	17.74	--	--	--	1.61	16.13	--
D-6	4/2/1997	17.74	--	--	--	5.97	11.77	--
D-6	5/1/1997	17.74	--	--	--	5.89	11.85	--
D-6	8/19/1997	17.74	--	--	--	7.28	10.46	--
D-6	9/17/1997	17.74	--	--	--	7.38	10.36	--
D-6	4/30/1998	17.74	--	--	--	5.49	12.25	--
D-6	5/23/2000	17.74	--	--	--	5.82	11.92	--
D-6	5/23/2001	17.74	--	--	--	6.92	10.82	--
D-6	6/5/2002	17.74	--	--	--	4.67	13.07	--
D-6	5/27/2003	17.74	--	--	--	6.72	11.02	--
D-6	6/15/2004	17.74	--	--	--	8.52	9.22	--
D-6	6/22/2005	17.74	--	--	--	4.67	13.07	--
D-6	6/5/2006	17.74	--	--	--	2.62	15.12	--
D-6	10/23/2006	17.74	--	--	--	6.95	10.79	--
D-6	3/14/2007	20.61	--	--	--	4.62	15.99	--
D-6	9/10/2007	20.61	--	--	--	7.92	12.69	--
D-6	11/28/2007	20.61	--	--	--	7.80	12.81	12.81
D-6	12/13/2007	20.61	--	--	--	6.26	14.35	14.35
D-6	1/21/2008	20.61	--	--	--	6.03	14.58	14.58
D-6	2/24/2008	20.61	--	--	--	5.93	14.68	14.68
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

Table 5

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

D-6	8/25/2009	20.61				Not Monitored			NM
D-6	3/22/2010	20.61	--	--	--		3.85	16.76	16.76
D-6	8/23/2010	20.61	--	--	--		5.99	14.62	14.62
D-6	2/7/2011	20.61	--	--	--		3.50	17.11	--
D-6	5/27/2011	20.61	--	--	--		5.40	15.21	--
D-6	8/8/2011	20.61	--	--	--		7.05	13.56	--
D-6	11/14/2011	20.61	--	--	--		5.95	14.66	--
D-6	2/20/2012	20.61	--	--	--		5.60	15.01	--
D-6	8/22/2012	20.61	--	--	--		6.52	14.09	--
D-6	11/5/2012	20.61	--	--	--		7.26	13.35	--
D-6	5/9/2013	20.61	--	--	--		5.48	15.13	--
D-6	8/19/2013	20.61	--	--	--		7.64	12.97	--
D-6	11/25/2013	20.61	--	--	--		6.26	14.35	--
D-6	2/14/2014	20.61	--	--	--		6.22	14.39	--
D-6	5/5/2014	20.61	--	--	--		4.36	16.25	--
D-6	8/19/2014	20.61	--	--	--		7.69	12.92	--
D-6	11/21/2014	20.61	--	--	--		6.79	13.82	--
D-7	1/27/1993	17.69	--	--	--		5.07	12.62	--
D-7	3/12/1993	17.69	--	--	--		6.38	11.31	--
D-7	4/14/1993	17.69	--	--	--		6.38	11.31	--
D-7	12/15/1993	17.69	--	--	--		7.37	10.32	--
D-7	7/8/1994	17.69	--	--	--		7.14	10.55	--
D-7	8/12/1994	17.69	--	--	--		7.14	10.55	--
D-7	11/4/1994	17.69	--	--	--		7.94	9.75	--
D-7	12/23/1994	17.69	--	--	--		7.14	10.55	--
D-7	2/3/1995	17.69	--	--	--		4.59	13.10	--
D-7	2/22/1995	17.69	--	--	--		5.31	12.38	--
D-7	3/24/1995	17.69	--	--	--		5.35	12.34	--
D-7	4/27/1995	17.69	--	--	--		5.18	12.51	--
D-7	5/15/1995	17.69	--	--	--		5.50	12.19	--
D-7	6/16/1995	17.69	--	--	--		5.95	11.74	--
D-7	8/25/1995	17.69	--	--	--		6.59	11.10	--
D-7	10/20/1995	17.69	--	--	--		6.00	11.69	--
D-7	3/24/1996	17.69	--	--	--		5.35	12.34	--
D-7	4/4/1996	17.69	--	--	--		4.30	13.39	--
D-7	4/16/1996	17.69	--	--	--		4.01	13.68	--
D-7	4/2/1997	17.69	--	--	--		6.04	11.65	--
D-7	5/1/1997	17.69	--	--	--		6.30	11.39	--
D-7	4/30/1998	17.69	--	--	--		5.85	11.84	--
D-7	5/23/2000	17.69	--	--	--		6.11	11.58	--
D-7	5/23/2001	17.69	--	--	--		6.85	10.84	--
D-7	6/4/2002	17.69	--	--	--		5.51	12.18	--
D-7	5/27/2003	17.69	--	--	--		6.36	11.33	--
D-7	6/15/2004	17.69	--	--	--		7.24	10.45	--
D-7	6/22/2005	17.69	--	--	--		5.11	12.58	--
D-7	6/5/2006	17.69	--	--	--		4.74	12.95	--
D-7	10/23/2006	17.69	--	--	--		7.04	10.65	--
D-7	3/14/2007	20.49	--	--	--		3.83	16.66	--
D-7	9/10/2007	20.49	--	--	--		7.67	12.82	--
D-7	11/28/2007	20.49	--	--	--		6.92	13.57	13.57
D-7	12/13/2007	20.49	--	--	--		2.36	18.13	18.13
D-7	1/21/2008	20.49	--	--	--		9.97	10.52	10.52
D-7	2/24/2008	20.49	--	--	--		6.03	14.46	14.46
D-7	3/24/2008	20.49				Not Monitored			--
D-7	6/2/2008	20.49	--	--	--		6.25	14.24	--
D-7	8/25/2008	20.49	--	--	--		7.42	13.07	13.07
D-7	2/18/2009	20.49				Not Monitored			NM
D-7	8/25/2009	20.49				Not Monitored			NM
D-7	3/22/2010	20.49	--	--	--		4.41	16.08	16.08
D-7	8/23/2010	20.49	--	--	--		5.96	14.53	14.53
D-7	2/7/2011	20.49	--	--	--		5.36	15.13	--
D-7	5/27/2011	20.49	--	--	--		5.92	14.57	--
D-7	8/8/2011	20.49	--	--	--		6.85	13.64	--
D-7	11/14/2011	20.49	--	--	--		4.81	15.68	--
D-7	2/20/2012	20.49	--	--	--		5.04	15.45	--
D-7	8/22/2012	20.49	--	--	--		6.73	13.76	--
D-7	11/5/2012	20.49	--	--	--		7.06	13.43	--
D-7	1/28/2013	20.49	--	--	--		3.53	16.96	--
D-7	5/9/2013	20.49	--	--	--		5.85	14.64	--
D-7	8/19/2013	20.49	--	--	--		7.41	13.08	--
D-7	11/25/2013	20.49	--	--	--		6.18	14.31	--
D-7	2/14/2014	20.49	--	--	--		5.29	15.20	--
D-7	5/5/2014	20.49	--	--	--		4.56	15.93	--
D-7	8/19/2014	20.49	--	--	--		7.42	13.07	--
D-7	11/21/2014	20.49	--	--	--		5.30	15.19	--
DPE-1	11/15/2016	--	--	--	--		8.90	--	--
DPE-1	2/16/2017	--	--	--	--		7.73	--	--
DPE-1	5/24/2017	15.46	--	--	--		8.97	6.49	--
DPE-1	7/11/2017	--	--	--	--		11.01	--	--
DPE-1	9/26/2017	25.66	12.4	13.26	0.02		12.42	13.26	--
DPE-1	12/11/2017	25.66	--	--	--		6.88	18.78	--
DPE-1	2/26/2018	25.66	--	--	--		8.86	16.80	--
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	--	--

Table 5

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

DPE-3	9/26/2017	25.16	13.25	11.91	0.22	13.47	11.87	--
DPE-3	12/11/2017	25.16	--	--	--	9.28	15.88	--
DPE-3	2/26/2018	25.16	11.29	13.87	0.05	11.34	13.86	--
DPE-3	6/11/2018	25.16	14.25	10.91	0.02	14.27	10.91	--
DPE-3	12/17/2018	25.16	--	--	--	9.66	15.50	--
DPE-3	9/23/2019	25.16	--	--	--	10.63	14.53	--
DPE-3	2/24/2020	25.16	--	--	--	8.89	16.27	--
DPE-4	11/15/2016	--	--	--	--	9.94	--	--
DPE-4	2/16/2017	--	--	--	--	8.91	--	--
DPE-4	5/24/2017	17.82	--	--	--	9.48	8.34	--
DPE-4	7/11/2017	--	--	--	--	11.22	--	--
DPE-4	9/26/2017	25.25	--	--	--	12.19	13.06	--
DPE-4	12/11/2017	25.25	--	--	--	7.57	17.68	--
DPE-4	2/26/2018	25.25	--	--	--	9.67	15.58	--
DPE-4	6/11/2018	25.25	--	--	--	10.96	14.29	--
DPE-4	12/17/2018	25.25	--	--	--	9.35	15.90	--
DPE-4	9/23/2019	25.25	--	--	--	10.53	14.72	--
DPE-5	11/15/2016	--	--	--	--	7.01	--	--
DPE-5	2/16/2017	--	--	--	--	8.64	--	--
DPE-5	5/24/2017	17.28	--	--	--	9.83	7.45	--
DPE-5	7/11/2017	--	--	--	--	12.66	--	--
DPE-5	9/26/2017	25.91	--	--	--	13.77	12.14	--
DPE-5	12/11/2017	25.91	--	--	--	7.90	18.01	--
DPE-5	2/26/2018	25.91	--	--	--	10.04	15.87	--
DPE-5	6/11/2018	25.91	--	--	--	12.40	13.51	--
DPE-5	12/17/2018	25.91	--	--	--	9.76	16.15	--
DPE-5	9/23/2019	25.91	--	--	--	12.03	13.88	--
DPE-6	7/11/2017	--	--	--	--	13.98	--	--
DPE-6	6/11/2018	--	--	--	--	13.12	--	--
DPE-6	9/23/2019	--	12.10	--	0.01	12.11	--	--
DPE-6	9/16/2020	--	--	--	--	13.63	--	--
DPE-7	7/11/2017	--	13.97	--	0.39	14.36	--	--
DPE-7	6/11/2018	--	--	--	--	13.58	--	--
DPE-7	9/23/2019	--	--	--	--	13.01	--	--
DPE-7	9/16/2020	--	--	--	--	14.72	--	--
DPE-8	7/11/2017	--	--	--	--	18.96	--	--
DPE-8	6/11/2018	--	15.72	--	0.04	15.76	--	--
DPE-8	9/23/2019	--	--	--	--	11.51	--	--
DPE-8	9/16/2020	--	--	--	--	12.64	--	--
DPE-9	7/11/2017	--	--	--	--	18.39	--	--
DPE-9	6/11/2018	--	--	--	--	16.02	--	--
DPE-9	9/23/2019	--	--	--	--	12.91	--	--
DPE-10	7/11/2017	--	--	--	--	19.01	--	--
DPE-10	6/11/2018	--	--	--	--	16.19	--	--
DPE-10	12/17/2018	--	--	--	--	12.21	--	--
DPE-10	9/23/2019	--	--	--	--	13.00	--	--
DPE-10	9/1/2022	--	--	--	--	13.90	--	--
DPE-10	2/20/2023	--	--	--	--	10.32	--	--
DPE-11	11/15/2016	--	11.25	--	0.06	11.31	--	--
DPE-11	2/16/2017	--	11.21	--	0.35	11.56	--	--
DPE-11	5/24/2017	23.12	--	--	--	13.11	10.01	--
DPE-11	7/11/2017	--	--	--	--	12.84	--	--
DPE-11	9/26/2017	25.08	--	--	--	--	--	--
DPE-11	12/11/2017	25.08	--	--	--	10.27	14.81	--
DPE-11	2/26/2018	25.08	--	--	--	11.91	13.17	--
DPE-11	6/11/2018	25.08	--	--	--	17.97	7.11	--
DPE-11	12/17/2018	25.08	--	--	--	10.36	14.72	--
DPE-11	9/23/2019	25.08	--	--	--	12.46	12.62	--
DPE-11	9/16/2020	25.08	13.90	11.18	0.17	14.07	11.15	--
DPE-11	9/1/2022	25.08	--	--	--	--	--	--
DPE-11	2/20/2023	25.08	11.82	13.26	0.10	11.92	13.24	--
DPE-12	11/15/2016	--	--	--	--	8.91	--	--
DPE-12	2/16/2017	--	7.71	--	0.02	7.73	--	--
DPE-12	5/24/2017	15.46	11.38	4.08	0.33	11.71	4.01	--
DPE-12	7/11/2017	--	--	--	--	10.47	--	--
DPE-12	9/26/2017	24.72	--	--	--	12.85	11.87	--
DPE-12	12/11/2017	24.72	--	--	--	6.15	18.57	--
DPE-12	2/26/2018	24.72	--	--	--	8.88	15.84	--
DPE-12	6/11/2018	24.72	--	--	--	11.01	13.71	--
DPE-12	12/17/2018	24.72	--	--	--	7.98	16.74	--
DPE-12	9/23/2019	24.72	--	--	--	10.23	14.49	--
DPE-12	9/16/2020	24.72	--	--	--	11.40	13.32	--
DPE-13	11/15/2016	--	--	--	--	11.24	--	--
DPE-13	2/16/2017	--	--	--	--	11.28	--	--
DPE-13	5/24/2017	22.56	--	--	--	12.07	10.49	--
DPE-13	7/11/2017	--	--	--	--	13.51	--	--
DPE-13	9/26/2017	24.92	--	--	--	14.28	10.64	--
DPE-13	12/11/2017	24.92	--	--	--	9.69	15.23	--
DPE-13	2/26/2018	24.92	--	--	--	11.65	13.27	--
DPE-13	6/11/2018	24.92	--	--	--	11.40	13.52	--
DPE-13	12/17/2018	24.92	--	--	--	9.07	15.85	--
DPE-13	9/23/2019	24.92	--	--	--	10.68	14.24	--
DPE-13	9/1/2022	24.92	--	--	--	12.30	12.62	--
DPE-13	2/20/2023	24.92	--	--	--	9.23	15.69	--
DPE-14	11/15/2016	--	--	--	--	2.50	--	--
DPE-14	2/16/2017	--	--	--	--	2.56	--	--
DPE-14	5/24/2017	5.12	--	--	--	4.97	0.15	--
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	--

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

DPE-14	6/11/2018	20.67	--	--	--	7.06	13.61	--
DPE-14	12/17/2018	20.67	--	--	--	2.31	18.36	--
DPE-14	9/23/2019	20.67	--	--	--	8.93	11.74	--
DPE-15	11/15/2016	--	--	--	--	6.81	--	--
DPE-15	2/16/2017	--	7.04	--	0.04	7.08	--	--
DPE-15	5/24/2017	14.16	7.9	6.26	0.21	8.11	6.22	--
DPE-15	9/26/2017	20.62	9.92	10.7	0.24	10.16	10.65	--
DPE-15	12/11/2017	20.62	7.55	13.07	0.02	7.57	13.07	--
DPE-15	2/26/2018	20.62	7.17	13.45	0.07	7.24	13.38	--
DPE-15	6/11/2018	20.62	8.72	11.9	0.08	8.80	11.88	--
DPE-15	12/17/2018	20.62	--	--	--	7.13	13.49	--
DPE-15	9/23/2019	20.62	8.15	12.47	0.06	8.21	12.46	--
DPE-16	11/15/2016	--	--	--	--	6.84	--	--
DPE-16	2/16/2017	--	--	--	--	5.77	--	--
DPE-16	5/24/2017	11.54	--	--	--	6.81	4.73	--
DPE-16	7/11/2017	--	--	--	--	8.26	--	--
DPE-16	9/26/2017	20.44	--	--	--	8.57	11.87	--
DPE-16	12/11/2017	20.44	--	--	--	4.87	15.57	--
DPE-16	2/26/2018	20.44	--	--	--	4.77	15.67	--
DPE-16	6/11/2018	20.44	--	--	--	6.65	13.79	--
DPE-16	12/17/2018	20.44	--	--	--	5.08	15.36	--
DPE-16	9/23/2019	20.44	--	--	--	6.29	14.15	--
DPE-17	11/15/2016	--	--	--	--	6.71	--	--
DPE-17	2/16/2017	--	--	--	--	6.93	--	--
DPE-17	5/24/2017	13.86	--	--	--	7.86	6.00	--
DPE-17	7/11/2017	--	--	--	--	9.26	--	--
DPE-17	9/26/2017	20.43	--	--	--	9.79	10.64	--
DPE-17	12/11/2017	20.43	--	--	--	7.62	12.81	--
DPE-17	2/26/2018	20.43	--	--	--	7.70	12.73	--
DPE-17	6/11/2018	20.43	--	--	--	8.90	11.53	--
DPE-17	12/17/2018	20.43	--	--	--	7.56	12.87	--
DPE-17	9/23/2019	20.43	--	--	--	8.27	12.16	--
DPE-18	11/15/2016	--	--	--	--	6.30	--	--
DPE-18	2/16/2017	--	6.06	--	0.01	6.07	--	--
DPE-18	5/24/2017	12.14	--	--	--	7.53	4.61	--
DPE-18	9/26/2017	20.18	--	--	--	9.42	10.76	--
DPE-18	12/11/2017	20.18	--	--	--	6.69	13.49	--
DPE-18	2/26/2018	20.18	--	--	--	7.26	12.92	--
DPE-18	6/11/2018	20.18	--	--	--	9.38	10.80	--
DPE-18	12/17/2018	20.18	--	--	--	6.98	13.20	--
DPE-18	9/23/2019	20.18	--	--	--	7.85	12.33	--
DPE-19	11/15/2016	--	--	--	--	7.40	--	--
DPE-19	2/16/2017	--	--	--	--	6.74	--	--
DPE-19	5/24/2017	13.48	--	--	--	8.17	5.31	--
DPE-19	7/11/2017	--	--	--	--	9.62	--	--
DPE-19	9/26/2017	21.98	--	--	--	11.11	10.87	--
DPE-19	12/11/2017	21.98	--	--	--	7.60	14.38	--
DPE-19	2/26/2018	21.98	--	--	--	7.73	14.25	--
DPE-19	6/11/2018	21.98	--	--	--	9.36	12.62	--
DPE-19	12/17/2018	21.98	--	--	--	6.92	15.06	--
DPE-19	9/23/2019	21.98	--	--	--	8.60	13.38	--
DPE-20	11/15/2016	--	--	--	--	7.38	--	--
DPE-20	2/16/2017	--	--	--	--	7.12	--	--
DPE-20	5/24/2017	14.24	--	--	--	8.02	6.22	--
DPE-20	7/11/2017	--	--	--	--	9.40	--	--
DPE-20	9/26/2017	20.49	--	--	--	10.02	10.47	--
DPE-20	12/11/2017	20.49	--	--	--	7.68	12.81	--
DPE-20	2/26/2018	20.49	--	--	--	7.88	12.61	--
DPE-20	6/11/2018	20.49	--	--	--	9.06	11.43	--
DPE-20	12/17/2018	20.49	--	--	--	7.69	12.80	--
DPE-20	9/23/2019	20.49	--	--	--	8.43	12.06	--
DPE-21	7/11/2017	--	--	--	--	8.37	--	--
DPE-21	9/23/2019	--	--	--	--	5.07	--	--
DPE-22	7/11/2017	--	--	--	--	9.39	--	--
DPE-22	6/11/2018	--	--	--	--	9.12	--	--
DPE-22	9/23/2019	--	--	--	--	8.24	--	--
DPE-23	7/11/2017	--	9.93	--	0.01	9.94	--	--
DPE-23	6/11/2018	--	--	--	--	9.52	--	--
DPE-23	9/23/2019	--	--	--	--	8.88	--	--
DPE-24	7/11/2017	--	--	--	--	10.25	--	--
DPE-24	6/11/2018	--	--	--	--	9.80	--	--
DPE-24	9/23/2019	--	--	--	--	8.50	--	--
DPE-25	7/8/2016	--	8.71	--	3.31	12.02	--	--
DPE-25	5/30/2017	--	7.45	--	4.51	11.96	--	--
DPE-25	7/11/2017	--	7.9	--	3.49	11.39	--	--
DPE-25	12/11/2017	--	7.42	--	0.29	7.71	--	--
DPE-25	6/11/2018	--	8.58	--	2.32	10.90	--	--
DPE-25	3/11/2019	--	7.44	--	0.06	7.50	--	--
DPE-25	6/12/2019	--	6.48	--	0.15	6.63	--	--
DPE-25	9/23/2019	--	8.60	--	0.07	8.67	--	--
DPE-25	12/4/2019	--	7.14	--	0.07	7.21	--	--
DPE-25	2/24/2020	--	--	--	--	5.32	--	--
DPE-25	6/12/2020	--	7.12	--	0.39	7.51	--	--
DPE-25	9/16/2020	--	10.46	--	0.5	10.96	--	--
DPE-25	5/24/2021	--	--	--	--	9.50	--	--
DPE-25	12/20/2021	--	--	--	--	4.55	--	--
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	--	--

Table 5

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

DPE-26	6/11/2018	--	8.35	--	3.44	11.79	--	--
DPE-26	3/11/2019	--	7.46	--	1.2	8.66	--	--
DPE-26	6/12/2019	--	7.88	--	2.62	10.50	--	--
DPE-26	9/23/2019	--	8.07	--	1.85	9.92	--	--
DPE-26	12/4/2019	--	7.75	--	1.11	8.86	--	--
DPE-26	2/24/2020	--	6.27	--	1.45	7.72	--	--
DPE-26	6/12/2020	--	7.66	--	0.54	8.20	--	--
DPE-26	9/16/2020	--	10.32	--	0.23	10.55	--	--
DPE-26	12/2/2020	--	--	--	--	7.53	--	--
DPE-26	3/16/2021	--	9.17	--	0.04	9.21	--	--
DPE-26	5/24/2021	--	--	--	--	10.03	--	--
DPE-26	9/14/2021	--	--	--	--	11.38	--	--
DPE-26	12/20/2021	--	7.42	--	0.06	7.48	--	--
DPE-26	3/1/2022	--	--	--	--	5.24	--	--
DPE-26	9/1/2022	--	9.30	--	0.1	9.40	--	--
DPE-26	2/20/2023	--	7.42	--	1.01	8.43	--	--
DPE-27	7/8/2016	--	8.89	--	1.72	10.61	--	--
DPE-27	7/11/2017	--	8.14	--	2.68	10.82	--	--
DPE-27	12/11/2017	--	5.28	--	5.02	10.30	--	--
DPE-27	6/11/2018	--	8.63	--	1.62	10.25	--	--
DPE-27	3/11/2019	--	7.30	--	2.04	9.34	--	--
DPE-27	6/12/2019	--	10.62	--	0.18	10.80	--	--
DPE-27	9/23/2019	--	--	--	--	8.44	--	--
DPE-27	12/4/2019	--	7.68	--	0.02	7.70	--	--
DPE-27	2/24/2020	--	7.04	--	0.07	7.11	--	--
DPE-27	6/12/2020	--	7.75	--	0.1	7.85	--	--
DPE-27	9/16/2020	--	--	--	--	10.13	--	--
DPE-27	12/2/2020	--	--	--	--	7.17	--	--
DPE-27	3/16/2021	--	9.08	--	0.01	9.09	--	--
DPE-27	5/24/2021	--	--	--	--	9.97	--	--
DPE-27	9/14/2021	--	--	--	--	11.18	--	--
DPE-27	12/20/2021	--	--	--	--	7.13	--	--
DPE-27	3/1/2022	--	--	--	--	5.18	--	--
DPE-27	9/1/2022	--	--	--	--	9.39	--	--
DPE-27	2/20/2023	--	--	--	--	7.32	--	--
DPE-28	7/8/2016	--	8.79	--	1.41	10.20	--	--
DPE-28	7/11/2017	--	7.5	--	2.25	9.75	--	--
DPE-28	12/11/2017	--	4.94	--	0.31	5.25	--	--
DPE-28	6/11/2018	--	8.57	--	0.03	8.60	--	--
DPE-28	9/23/2019	--	--	--	--	8.04	--	--
DPE-28	12/4/2019	--	--	--	--	7.31	--	--
DPE-28	2/24/2020	--	--	--	--	6.36	--	--
DPE-28	6/12/2020	--	--	--	--	7.51	--	--
DPE-28	9/16/2020	--	--	--	--	9.61	--	--
DPE-28	12/2/2020	--	--	--	--	6.58	--	--
DPE-28	3/16/2021	--	--	--	--	8.50	--	--
DPE-28	5/24/2021	--	--	--	--	9.40	--	--
DPE-28	12/20/2021	--	--	--	--	6.17	--	--
DPE-28	3/1/2022	--	--	--	--	5.30	--	--
DPE-28	9/1/2022	--	--	--	--	8.85	--	--
DPE-28	2/20/2023	--	--	--	--	6.00	--	--
DPE-29	11/15/2016	--	--	--	--	6.34	--	--
DPE-29	2/16/2017	--	--	--	--	5.80	--	--
DPE-29	5/24/2017	11.60	--	--	--	7.42	4.18	--
DPE-29	7/11/2017	--	--	--	--	7.73	--	--
DPE-29	9/26/2017	20.93	--	--	--	7.33	13.60	--
DPE-29	12/11/2017	20.93	--	--	--	5.82	15.11	--
DPE-29	2/26/2018	20.93	--	--	--	8.31	12.62	--
DPE-29	6/11/2018	20.93	--	--	--	8.60	12.33	--
DPE-29	12/17/2018	20.93	--	--	--	7.41	13.52	--
DPE-29	9/23/2019	20.93	--	--	--	8.10	12.83	--
DPE-29	3/16/2021	20.93	--	--	--	7.90	13.03	--
DPE-29	5/24/2021	20.93	--	--	--	8.88	12.05	--
DPE-29	3/1/2022	20.93	--	--	--	3.02	17.91	--
DPE-29	9/1/2022	20.93	--	--	--	8.81	12.12	--
DPE-29	2/20/2023	20.93	--	--	--	7.56	13.37	--
DPE-30	11/15/2016	--	--	--	--	8.51	--	--
DPE-30	2/16/2017	--	--	--	--	8.14	--	--
DPE-30	5/24/2017	16.28	--	--	--	9.22	7.06	--
DPE-30	7/11/2017	--	--	--	--	10.11	--	--
DPE-30	9/26/2017	22.67	--	--	--	11.53	11.14	--
DPE-30	12/11/2017	22.67	--	--	--	7.32	15.35	--
DPE-30	2/26/2018	22.67	--	--	--	9.34	13.33	--
DPE-30	6/11/2018	22.67	--	--	--	10.44	12.23	--
DPE-30	12/17/2018	22.67	--	--	--	9.40	13.27	--
DPE-30	9/23/2019	22.67	--	--	--	10.20	12.47	--
DPE-30	12/2/2020	22.67	--	--	--	9.22	13.45	--
DPE-30	3/16/2021	22.67	--	--	--	10.86	11.81	--
DPE-30	5/24/2021	22.67	--	--	--	11.81	10.86	--
DPE-30	3/1/2022	22.67	--	--	--	7.32	15.35	--
DPE-30	9/1/2022	22.67	--	--	--	11.05	11.62	--
DPE-30	2/20/2023	22.67	--	--	--	8.86	13.81	--
DPE-31	7/8/2016	--	9.99	--	0.11	10.10	--	--
DPE-31	7/11/2017	--	9.08	--	0.26	9.34	--	--
DPE-31	12/11/2017	--	--	--	--	5.82	--	--
DPE-31	6/11/2018	--	9.80	--	0.01	9.81	--	--
DPE-31	3/11/2019	--	--	--	--	8.20	--	--
DPE-31	12/4/2019	--	--	--	--	8.60	--	--
DPE-31	2/24/2020	--	--	--	--	6.95	--	--
DPE-31	6/12/2020	--	--	--	--	8.50	--	--
DPE-31	12/2/2020	--	--	--	--	7.41	--	--
DPE-31	3/16/2021	--	--	--	--	10.07	--	--
DPE-31	9/14/2021	--	--	--	--	12.73	--	--
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	--	--



Table 5

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

DPE-32	7/11/2017	--	8.21	--	4.7	12.91	--	--
DPE-32	12/11/2017	--	5.18	--	7.77	12.95	--	--
DPE-32	6/11/2018	--	9.18	--	2.02	11.20	--	--
DPE-32	3/11/2019	--	--	--	--	7.88	--	--
DPE-32	6/12/2019	--	8.66	--	2.58	11.24	--	--
DPE-32	9/23/2019	--	8.60	--	0.01	8.61	--	--
DPE-32	12/4/2019	--	8.12	--	2.86	10.98	--	--
DPE-32	2/24/2020	--	7.42	--	1.31	8.73	--	--
DPE-32	6/12/2020	--	8.17	--	0.78	8.95	--	--
DPE-32	12/2/2020	--	--	--	--	8.19	--	--
DPE-32	12/20/2021	--	--	--	--	6.48	--	--
DPE-33	11/15/2016	--	6.96	--	0.63	7.59	--	--
DPE-33	2/16/2017	--	6.64	--	0.45	7.09	--	--
DPE-33	5/24/2017	14.18	7.85	6.33	0.45	8.30	6.24	--
DPE-33	7/11/2017	--	9.25	--	0.43	9.68	--	--
DPE-33	9/26/2017	21.05	10.09	10.96	0.33	10.42	10.89	--
DPE-33	12/11/2017	21.05	5.55	15.5	0.05	5.60	15.49	--
DPE-33	2/26/2018	21.05	7.86	13.19	0.03	7.89	13.18	--
DPE-33	6/11/2018	21.05	9.16	11.89	0.04	9.20	11.88	--
DPE-33	12/17/2018	21.05	--	--	--	6.49	14.56	--
DPE-33	12/4/2019	21.05	--	--	--	8.35	12.70	--
DPE-33	2/24/2020	21.05	--	--	--	7.18	13.87	--
DPE-33	6/12/2020	21.05	--	--	--	8.41	12.64	--
DPE-33	12/2/2020	21.05	--	--	--	7.67	13.38	--
DPE-33	3/16/2021	21.05	--	--	--	9.43	11.62	--
DPE-33	5/24/2021	21.05	--	--	--	10.36	10.69	--
DPE-33	12/20/2021	21.05	--	--	--	5.93	15.12	--
DPE-33	3/1/2022	21.05	--	--	--	3.48	17.57	--
DPE-33	9/1/2022	21.05	--	--	--	9.90	11.15	--
DPE-33	2/20/2023	21.05	--	--	--	7.33	13.72	--
DPE-34	11/15/2016	--	5.5	--	3.07	8.57	--	--
DPE-34	2/16/2017	--	4.43	--	4.5	8.93	--	--
DPE-34	5/16/2017	--	5.16	--	4.42	9.58	--	--
DPE-34	5/24/2017	17.86	5.69	12.17	4.15	9.84	8.02	--
DPE-34	7/11/2017	--	6.21	--	3.47	9.68	--	--
DPE-34	9/26/2017	20.62	8.72	11.9	0.54	9.26	11.79	--
DPE-34	12/11/2017	20.62	4.02	16.6	0.33	4.35	16.53	--
DPE-34	2/26/2018	20.62	6.14	14.48	0.28	6.42	14.42	--
DPE-34	6/11/2018	20.62	7.50	13.12	0.08	7.58	13.10	--
DPE-34	12/17/2018	20.62	--	--	--	5.68	14.94	--
DPE-34	12/4/2019	20.62	--	--	--	5.84	14.78	--
DPE-34	2/24/2020	20.62	--	--	--	5.04	15.58	--
DPE-34	6/12/2020	20.62	--	--	--	--	--	--
DPE-34	12/2/2020	20.62	--	--	--	--	--	--
DPE-34	3/16/2021	20.62	--	--	--	7.07	13.55	--
DPE-34	5/24/2021	20.62	--	--	--	9.81	10.81	--
DPE-34	12/20/2021	20.62	--	--	--	--	--	--
DPE-34	3/1/2022	20.62	--	--	--	4.43	16.19	--
DPE-34	9/1/2022	20.62	--	--	--	7.72	12.90	--
DPE-34	2/20/2023	20.62	--	--	--	5.25	15.37	--
DPE-35	7/11/2016	--	8.82	--	2.48	11.30	--	--
DPE-35	5/30/2017	--	7.38	--	5.42	12.80	--	--
DPE-35	7/11/2017	--	7.93	--	5.56	13.49	--	--
DPE-35	12/11/2017	--	5.03	--	8.49	13.52	--	--
DPE-35	6/11/2018	--	8.60	--	2.92	11.52	--	--
DPE-35	3/11/2019	--	7.22	--	5.34	12.56	--	--
DPE-35	6/12/2019	--	8.43	--	4.75	13.18	--	--
DPE-35	9/23/2019	--	8.00	--	3.85	11.85	--	--
DPE-35	12/4/2019	--	8.20	--	0.31	8.51	--	--
DPE-35	2/24/2020	--	7.06	--	2.34	9.40	--	--
DPE-35	6/12/2020	--	7.87	--	1.88	9.75	--	--
DPE-35	12/2/2020	--	--	--	--	7.77	--	--
DPE-35	12/20/2021	--	--	--	--	8.09	--	--
DPE-36	7/11/2016	--	8.94	--	0.77	9.71	--	--
DPE-36	7/11/2017	--	7.69	--	1.69	9.38	--	--
DPE-36	12/11/2017	--	6.15	--	0.06	6.21	--	--
DPE-36	6/11/2018	--	--	--	--	8.66	--	--
DPE-36	3/11/2019	--	7.60	--	0.03	7.63	--	--
DPE-36	12/4/2019	--	--	--	--	7.82	--	--
DPE-36	2/24/2020	--	--	--	--	7.12	--	--
DPE-36	6/12/2020	--	7.79	--	0.02	7.81	--	--
DPE-36	12/2/2020	--	--	--	--	7.52	--	--
DPE-36	9/14/2021	--	--	--	--	11.54	--	--
DPE-36	12/20/2021	--	--	--	--	8.00	--	--
DPE-37	11/15/2016	--	--	--	--	6.62	--	--
DPE-37	2/16/2017	--	--	--	--	6.06	--	--
DPE-37	5/24/2017	12.12	--	--	--	7.11	5.01	--
DPE-37	7/11/2017	--	--	--	--	7.74	--	--
DPE-37	9/26/2017	20.80	--	--	--	9.21	11.59	--
DPE-37	12/11/2017	20.80	--	--	--	3.45	17.35	--
DPE-37	2/26/2018	20.80	--	--	--	6.88	13.92	--
DPE-37	6/11/2018	20.80	--	--	--	8.40	12.40	--
DPE-37	12/17/2018	20.80	--	--	--	7.21	13.59	--
DPE-37	12/2/2020	20.80	--	--	--	--	--	--
DPE-37	3/16/2021	20.80	--	--	--	8.54	12.26	--
DPE-37	5/24/2021	20.80	--	--	--	9.02	11.78	--
DPE-37	3/1/2022	20.80	--	--	--	4.83	15.97	--
DPE-37	9/1/2022	20.80	--	--	--	8.85	11.95	--
DPE-37	2/20/2023	20.80	--	--	--	6.85	13.95	--
DPE-38	11/15/2016	--	4.65	--	1.7	6.35	--	--
DPE-38	2/16/2017	--	3.43	--	4.17	7.60	--	--
DPE-38	5/16/2017	--	3.69	--	5.66	9.35	--	--
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	--

Table 5

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

DPE-38	2/26/2018	20.28	--	--	--	5.41	14.87	--
DPE-38	6/11/2018	20.28	--	--	--	6.57	13.71	--
DPE-38	12/17/2018	20.28	--	--	--	4.73	15.55	--
DPE-38	12/4/2019	20.28	--	--	--	5.62	14.66	--
DPE-38	2/24/2020	20.28	--	--	--	5.05	15.23	--
DPE-38	6/12/2020	20.28	--	--	--	--	--	--
DPE-38	12/2/2020	20.28	--	--	--	--	--	--
DPE-38	3/16/2021	20.28	--	--	--	5.46	14.82	--
DPE-38	5/24/2021	20.28	--	--	--	--	--	--
DPE-38	12/20/2021	20.28	--	--	--	3.60	16.68	--
DPE-38	3/1/2022	20.28	--	--	--	3.63	16.65	--
DPE-38	9/1/2022	20.28	--	--	--	6.90	13.38	--
DPE-38	2/20/2023	20.28	--	--	--	--	--	--
DPE-39	11/15/2016	--	6.46	--	3.89	10.35	--	--
DPE-39	2/16/2017	--	6	--	5.99	11.99	--	--
DPE-39	5/16/2017	--	6.45	--	5.6	12.05	--	--
DPE-39	5/24/2017	23.98	6.74	17.24	7.36	14.10	15.77	--
DPE-39	7/11/2017	--	7.75	--	6.57	14.32	--	--
DPE-39	9/26/2017	20.96	9.82	11.14	2.22	12.04	10.70	--
DPE-39	12/11/2017	20.96	4.85	16.11	8.59	13.44	14.39	--
DPE-39	2/26/2018	20.96	7.06	13.9	5.81	12.87	12.74	--
DPE-39	6/11/2018	20.96	8.66	12.3	3.53	12.19	11.59	--
DPE-39	12/17/2018	20.96	7.30	13.66	3.66	10.96	12.93	--
DPE-39	3/11/2019	20.96	7.31	13.65	6	13.31	12.45	--
DPE-39	6/12/2019	21.69	7.37	14.32	5.03	12.40	13.31	--
DPE-39	9/23/2019	20.96	8.48	12.48	0.65	9.13	12.35	--
DPE-39	12/4/2019	20.96	7.95	13.01	1.67	9.62	12.68	--
DPE-39	2/24/2020	20.96	7.13	13.83	2.86	9.99	13.26	--
DPE-39	6/12/2020	20.96	8.07	12.89	1.58	9.65	12.57	--
DPE-39	12/2/2020	20.96	--	--	--	8.14	12.82	--
DPE-39	5/24/2021	20.96	--	--	--	--	--	--
DPE-39	9/14/2021	20.96	--	--	--	11.78	9.18	--
DPE-39	12/20/2021	20.96	--	--	--	6.73	14.23	--
DPE-39	11/8/2022	20.96	--	--	--	8.20	12.76	--
DPE-40	7/11/2016	--	8.75	--	1.7	10.45	--	--
DPE-40	7/11/2017	--	7.57	--	3.37	10.94	--	--
DPE-40	12/11/2017	--	4.82	--	6.89	11.71	--	--
DPE-40	6/11/2018	--	8.46	--	1.94	10.40	--	--
DPE-40	3/11/2019	--	7.41	--	3.37	10.78	--	--
DPE-40	6/12/2019	--	8.33	--	4.77	13.10	--	--
DPE-40	9/23/2019	--	8.00	--	1.65	9.65	--	--
DPE-40	12/4/2019	--	7.95	--	0.28	8.23	--	--
DPE-40	2/24/2020	--	6.62	--	3.42	10.04	--	--
DPE-40	6/12/2020	--	7.71	--	1.34	9.05	--	--
DPE-40	12/2/2020	--	--	--	--	7.56	--	--
DPE-40	11/8/2022	--	--	--	--	7.55	--	--
DPE-41	7/11/2016	--	9.29	--	1.42	10.71	--	--
DPE-41	7/11/2017	--	7.93	--	3.25	11.18	--	--
DPE-41	12/11/2017	--	5.37	--	6.61	11.98	--	--
DPE-41	6/11/2018	--	8.84	--	2.08	10.92	--	--
DPE-41	3/11/2019	--	7.60	--	3.43	11.03	--	--
DPE-41	6/12/2019	--	8.30	--	3.32	11.62	--	--
DPE-41	9/23/2019	--	8.32	--	2.02	10.34	--	--
DPE-41	12/4/2019	--	8.21	--	0.33	8.54	--	--
DPE-41	2/24/2020	--	7.58	--	0.02	7.60	--	--
DPE-41	6/12/2020	--	8.30	--	0.06	8.36	--	--
DPE-41	12/2/2020	--	--	--	--	7.79	--	--
DPE-42	11/15/2016	--	--	--	--	5.81	--	--
DPE-42	2/16/2017	--	--	--	--	5.00	--	--
DPE-42	5/24/2017	10.00	--	--	--	6.58	3.42	--
DPE-42	7/11/2017	--	--	--	--	8.78	--	--
DPE-42	9/26/2017	20.94	--	--	--	9.30	11.64	--
DPE-42	12/11/2017	20.94	--	--	--	5.27	15.67	--
DPE-42	2/26/2018	20.94	--	--	--	7.32	13.62	--
DPE-42	6/11/2018	20.94	--	--	--	8.69	12.25	--
DPE-42	12/17/2018	20.94	--	--	--	6.55	14.39	--
DPE-42	3/16/2021	20.94	--	--	--	8.82	12.12	--
DPE-42	5/24/2021	20.94	--	--	--	--	--	--
DPE-42	3/1/2022	20.94	--	--	--	4.80	16.14	--
DPE-42	9/1/2022	20.94	--	--	--	9.20	11.74	--
DPE-42	2/20/2023	20.94	--	--	--	6.19	14.75	--
DPE-43	11/15/2016	--	5.07	--	2.68	7.75	--	--
DPE-43	2/16/2017	--	4.23	--	4.35	8.58	--	--
DPE-43	5/16/2017	--	4.57	--	5.96	10.53	--	--
DPE-43	5/24/2017	17.16	5.73	11.43	0.63	6.36	11.30	--
DPE-43	7/11/2017	--	6.84	--	0.02	6.86	--	--
DPE-43	9/26/2017	21.15	8.2	12.95	0.07	8.27	12.88	--
DPE-43	12/11/2017	21.15	--	--	--	3.12	18.03	--
DPE-43	2/26/2018	21.15	4.62	16.53	0.06	4.68	16.52	--
DPE-43	6/11/2018	21.15	6.67	14.48	0.13	6.80	14.45	--
DPE-43	12/17/2018	21.15	--	--	--	4.86	16.29	--
DPE-43	12/4/2019	21.15	5.60	15.55	0.38	5.98	15.47	--
DPE-43	2/24/2020	21.15	4.07	17.08	0.25	4.32	17.03	--
DPE-43	6/12/2020	21.15	5.71	15.44	0.42	6.13	15.36	--
DPE-43	12/2/2020	21.15	4.96	16.19	0.29	5.25	16.13	--
DPE-43	3/16/2021	21.15	4.72	16.43	0.54	5.26	16.32	--
DPE-43	5/24/2021	21.15	6.34	14.81	0.5	6.84	14.71	--
DPE-43	12/20/2021	21.15	3.58	17.57	0.16	3.74	17.54	--
DPE-43	3/1/2022	21.15	3.14	18.01	0.49	3.63	17.91	--
DPE-43	9/1/2022	21.15	--	--	--	17.20	3.95	--
DPE-43	11/8/2022	21.15	--	--	--	8.20	12.95	--
DPE-43	2/20/2023	21.15	--	--	--	6.50	14.65	--
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	--	--

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

DPE-45	11/15/2016	--	6.65	--	0.37	7.02	--	--
DPE-45	2/16/2017	--	6.54	--	0.54	7.08	--	--
DPE-45	5/24/2017	14.16	7.41	6.75	0.79	8.20	6.59	--
DPE-45	7/11/2017	--	8.89	--	0.82	9.71	--	--
DPE-45	9/26/2017	21.10	9.95	11.15	0.68	10.63	11.01	--
DPE-45	12/11/2017	21.10	6.91	14.19	0.25	7.16	14.14	--
DPE-45	2/26/2018	21.10	7.36	13.74	0.6	7.96	13.60	--
DPE-45	6/11/2018	21.10	8.70	12.4	0.43	9.13	12.31	--
DPE-45	12/17/2018	21.10	6.90	14.2	0.31	7.21	14.14	--
DPE-45	12/4/2019	21.10	7.56	13.54	0.36	7.92	13.47	--
DPE-45	2/24/2020	21.10	6.36	14.74	0.35	6.71	14.67	--
DPE-45	6/12/2020	21.10	7.43	13.67	0.35	7.78	13.60	--
DPE-45	12/2/2020	21.10	6.92	14.18	0.38	7.30	14.10	--
DPE-45	3/16/2021	21.10	6.67	14.43	0.44	7.11	14.34	--
DPE-45	5/24/2021	21.10	8.05	13.05	0.44	8.49	12.96	--
DPE-45	12/20/2021	21.10	5.54	15.56	0.43	5.97	15.47	--
DPE-45	3/1/2022	21.10	3.22	17.88	0.49	3.71	17.78	--
DPE-45	9/1/2022	21.10	--	--	--	9.72	11.38	--
DPE-45	11/8/2022	21.10	--	--	--	8.80	12.30	--
DPE-45	2/20/2023	21.10	--	--	--	6.25	14.85	--
DPE-46	7/8/2016	--	9.25	--	9.95	19.20	--	--
DPE-46	5/16/2017	--	7.33	--	6.22	13.55	--	--
DPE-46	7/11/2017	--	9.02	--	1.18	10.20	--	--
DPE-46	12/11/2017	--	5.71	--	0.55	6.26	--	--
DPE-46	6/11/2018	--	--	--	--	9.36	--	--
DPE-46	12/4/2019	--	--	--	--	8.49	--	--
DPE-46	2/24/2020	--	5.70	--	0.03	5.73	--	--
DPE-46	6/12/2020	--	8.38	--	0.01	8.39	--	--
DPE-46	12/2/2020	--	--	--	--	8.11	--	--
DPE-46	3/16/2021	--	--	--	--	8.14	--	--
DPE-46	5/24/2021	--	--	--	--	10.45	--	--
DPE-46	12/20/2021	--	--	--	--	8.04	--	--
DPE-47	11/15/2016	--	--	--	--	4.75	--	--
DPE-47	2/16/2017	--	--	--	--	3.57	--	--
DPE-47	5/24/2017	7.14	--	--	--	4.68	2.46	--
DPE-47	7/11/2017	--	--	--	--	6.06	--	--
DPE-47	9/26/2017	21.06	--	--	--	7.93	13.13	--
DPE-47	12/11/2017	21.06	--	--	--	3.47	17.59	--
DPE-47	2/26/2018	21.06	--	--	--	4.68	16.38	--
DPE-47	6/11/2018	21.06	--	--	--	6.31	14.75	--
DPE-47	12/17/2018	21.06	--	--	--	4.84	16.22	--
DPE-47	12/2/2020	21.06	--	--	--	4.92	16.14	--
DPE-47	3/16/2021	21.06	--	--	--	4.74	16.32	--
DPE-47	5/24/2021	21.06	--	--	--	6.22	14.84	--
DPE-47	3/1/2022	21.06	--	--	--	2.96	18.10	--
DPE-47	9/1/2022	21.06	--	--	--	8.15	12.91	--
DPE-47	2/20/2023	21.06	--	--	--	5.15	15.91	--
DPE-48	7/8/2016	--	10.3	--	1.45	11.75	--	--
DPE-48	7/11/2017	--	9.96	--	2.19	12.15	--	--
DPE-48	12/11/2017	--	--	--	--	7.42	--	--
DPE-48	6/11/2018	--	--	--	--	10.16	--	--
DPE-48	12/4/2019	--	--	--	--	9.28	--	--
DPE-48	2/24/2020	--	--	--	--	8.60	--	--
DPE-48	6/12/2020	--	--	--	--	9.42	--	--
DPE-48	12/2/2020	--	--	--	--	9.01	--	--
DPE-48	3/16/2021	--	--	--	--	9.42	--	--
DPE-48	5/24/2021	--	--	--	--	10.36	--	--
DPE-48	12/20/2021	--	--	--	--	8.42	--	--
DPE-49	7/8/2016	--	9.4	--	3.14	12.54	--	--
DPE-49	5/16/2017	--	7.58	--	3.47	11.05	--	--
DPE-49	7/11/2017	--	8.5	--	3.88	12.38	--	--
DPE-49	12/11/2017	--	5.78	--	7.74	13.52	--	--
DPE-49	6/11/2018	--	9.08	--	2.62	11.70	--	--
DPE-49	3/11/2019	--	7.45	--	6.55	14.00	--	--
DPE-49	6/12/2019	--	8.12	--	2.68	10.80	--	--
DPE-49	9/23/2019	--	8.68	--	1.52	10.20	--	--
DPE-49	12/4/2019	--	8.58	--	0.64	9.22	--	--
DPE-49	2/24/2020	--	7.80	--	1.2	9.00	--	--
DPE-49	6/12/2020	--	8.54	--	1.01	9.55	--	--
DPE-49	12/2/2020	--	--	--	--	8.27	--	--
DPE-49	3/16/2021	--	--	--	--	10.20	--	--
DPE-49	5/24/2021	--	--	--	--	10.22	--	--
DPE-49	12/20/2021	--	--	--	--	9.07	--	--
DPE-50	7/8/2016	--	10.38	--	0.92	11.30	--	--
DPE-50	7/11/2017	--	--	--	--	9.87	--	--
DPE-50	12/11/2017	--	7.31	--	0.02	7.33	--	--
DPE-50	6/11/2018	--	--	--	--	10.26	--	--
DPE-50	12/4/2019	--	--	--	--	9.19	--	--
DPE-50	2/24/2020	--	--	--	--	7.98	--	--
DPE-50	6/12/2020	--	--	--	--	8.98	--	--
DPE-50	12/2/2020	--	--	--	--	8.80	--	--
DPE-50	3/16/2021	--	--	--	--	10.26	--	--
DPE-50	5/24/2021	--	--	--	--	11.28	--	--
DPE-50	9/14/2021	--	--	--	--	12.68	--	--
DPE-50	12/20/2021	--	--	--	--	8.72	--	--
DPE-51	7/8/2016	--	10.4	--	0.18	10.58	--	--
DPE-51	7/11/2017	--	9.46	--	0.24	9.70	--	--
DPE-51	6/11/2018	--	10.76	--	0.04	10.80	--	--
DPE-51	12/4/2019	--	--	--	--	9.80	--	--
DPE-51	2/24/2020	--	--	--	--	6.92	--	--
DPE-51	6/12/2020	--	--	--	--	9.25	--	--
DPE-51	12/2/2020	--	--	--	--	8.93	--	--
DPE-51	3/16/2021	--	--	--	--	9.65	--	--
DPE-51	12/20/2021	--	--	--	--	8.43	--	--

Table 5

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

DPE-52	7/8/2016	--	9.65	--	2.8	12.45	--	--
DPE-52	5/15/2017	--	7.96	--	3.62	11.58	--	--
DPE-52	7/11/2017	--	9.13	--	0.07	9.20	--	--
DPE-52	12/11/2017	--	6.98	--	0.02	7.00	--	--
DPE-52	6/11/2018	--	10.19	--	0.14	10.33	--	--
DPE-52	12/4/2019	--	8.92	--	0.26	9.18	--	--
DPE-52	2/24/2020	--	8.21	--	0.23	8.44	--	--
DPE-52	6/12/2020	--	8.90	--	0.6	9.50	--	--
DPE-52	12/2/2020	--	8.38	--	0.55	8.93	--	--
DPE-52	3/16/2021	--	9.96	--	0.31	10.27	--	--
DPE-52	5/24/2021	--	10.97	--	0.44	11.41	--	--
DPE-52	12/20/2021	--	--	--	--	9.55	--	--
DPE-53	11/15/2016	--	--	--	--	7.19	--	--
DPE-53	2/16/2017	--	--	--	--	6.76	--	--
DPE-53	5/24/2017	13.52	--	--	--	7.97	5.55	--
DPE-53	7/11/2017	--	--	--	--	8.37	--	--
DPE-53	9/26/2017	21.15	--	--	--	10.14	11.01	--
DPE-53	12/11/2017	21.15	--	--	--	6.07	15.08	--
DPE-53	2/26/2018	21.15	--	--	--	7.75	13.40	--
DPE-53	6/11/2018	21.15	--	--	--	8.95	12.20	--
DPE-53	12/17/2018	21.15	--	--	--	7.68	13.47	--
DPE-54	7/11/2016	--	9.86	--	2.33	12.19	--	--
DPE-54	5/30/2017	--	8	--	6.03	14.03	--	--
DPE-54	7/11/2017	--	8.86	--	2.87	11.73	--	--
DPE-54	12/11/2017	--	6.94	--	1.88	8.82	--	--
DPE-54	6/11/2018	--	9.92	--	0.09	10.01	--	--
DPE-54	3/11/2019	--	8.89	--	0.13	9.02	--	--
DPE-54	12/4/2019	--	9.11	--	0.15	9.26	--	--
DPE-54	2/24/2020	--	8.11	--	1.06	9.17	--	--
DPE-54	6/12/2020	--	--	--	--	9.16	--	--
DPE-54	12/2/2020	--	8.25	--	1.6	9.85	--	--
DPE-54	3/16/2021	--	8.47	--	0.01	8.48	--	--
DPE-54	5/24/2021	--	9.82	--	0.76	10.58	--	--
DPE-54	9/1/2022	--	20.02	--	2.08	22.10	--	--
DPE-54	11/8/2022	--	--	--	--	8.42	--	--
DPE-54	2/20/2023	--	8.35	--	2.15	10.50	--	--
DPE-55	11/15/2016	--	--	--	--	6.13	--	--
DPE-55	2/16/2017	--	--	--	--	4.67	--	--
DPE-55	5/24/2017	9.34	--	--	--	7.78	1.56	--
DPE-55	7/11/2017	--	--	--	--	9.75	--	--
DPE-55	9/26/2017	21.62	--	--	--	10.91	10.71	--
DPE-55	12/11/2017	21.62	--	--	--	6.73	14.89	--
DPE-55	2/26/2018	21.62	--	--	--	7.13	14.49	--
DPE-55	6/11/2018	21.62	--	--	--	9.18	12.44	--
DPE-55	12/2/2020	21.62	--	--	--	7.64	13.98	--
DPE-55	3/16/2021	21.62	--	--	--	7.82	13.80	--
DPE-55	5/24/2021	21.62	--	--	--	8.49	13.13	--
DPE-55	3/1/2022	21.62	--	--	--	5.18	16.44	--
DPE-55	9/1/2022	21.62	--	--	--	10.08	11.54	--
DPE-55	2/20/2023	21.62	--	--	--	6.83	14.79	--
DPE-56	7/11/2016	--	9.81	--	3.19	13.00	--	--
DPE-56	5/15/2017	--	7.98	--	5.19	13.17	--	--
DPE-56	7/11/2017	--	9.44	--	0.59	10.03	--	--
DPE-56	12/11/2017	--	7.37	--	0.39	7.76	--	--
DPE-56	6/11/2018	--	10.15	--	0.17	10.32	--	--
DPE-56	12/4/2019	--	8.58	--	3.47	12.05	--	--
DPE-56	2/24/2020	--	8.55	--	0.27	8.82	--	--
DPE-56	6/12/2020	--	9.21	--	0.15	9.36	--	--
DPE-56	12/2/2020	--	8.62	--	0.25	8.87	--	--
DPE-56	3/16/2021	--	--	--	--	8.58	--	--
DPE-56	5/24/2021	--	10.00	--	0.01	10.01	--	--
DPE-56	12/20/2021	--	--	--	--	9.43	--	--
DPE-56	9/1/2022	--	10.75	--	0.1	10.85	--	--
DPE-56	2/20/2023	--	--	--	--	6.42	--	--
DPE-57	11/15/2016	--	6.94	--	2.78	9.72	--	--
DPE-57	2/16/2017	--	6.65	--	3.17	9.82	--	--
DPE-57	5/15/2017	--	7.6	--	3.2	10.80	--	--
DPE-57	5/24/2017	19.64	8.3	11.34	1.38	9.68	11.06	--
DPE-57	7/11/2017	--	--	--	--	8.87	--	--
DPE-57	9/26/2017	21.46	10.01	11.45	0.35	10.36	11.38	--
DPE-57	12/11/2017	21.46	6.48	14.98	0.25	6.73	14.93	--
DPE-57	2/26/2018	21.46	8.19	13.27	0.47	8.66	13.18	--
DPE-57	6/11/2018	21.46	9.40	12.06	0.31	9.71	12.00	--
DPE-57	12/4/2019	21.46	8.49	12.97	0.77	9.26	12.82	--
DPE-57	2/24/2020	21.46	7.77	13.69	0.83	8.60	13.52	--
DPE-57	6/12/2020	21.54	8.43	13.11	0.87	9.30	12.94	--
DPE-57	12/2/2020	21.46	7.88	13.58	0.67	8.55	13.45	--
DPE-57	3/16/2021	21.46	8.35	13.11	0.67	9.02	12.98	--
DPE-57	5/24/2021	21.46	9.14	12.32	0.61	9.75	12.20	--
DPE-57	9/14/2021	21.46	10.75	10.71	0.1	10.85	10.69	--
DPE-57	12/20/2021	21.46	--	--	--	--	--	--
DPE-57	3/1/2022	21.46	5.38	16.08	0.18	5.56	16.04	--
DPE-57	9/1/2022	21.46	--	--	--	8.72	12.74	--
DPE-57	11/8/2022	21.46	--	--	--	8.40	13.06	--
DPE-57	2/20/2023	21.46	--	--	--	8.04	13.42	--
HA-1	1/27/1993	19.50	--	--	--	5.94	13.56	--
HA-1	3/12/1993	19.50	--	--	--	8.54	10.96	--
HA-1	4/14/1993	19.50	--	--	--	6.47	13.03	--
HA-1	12/15/1993	19.50	--	--	--	5.54	13.96	--
HA-1	11/4/1994	19.50	--	--	--	10.30	9.20	--
HA-1	2/22/1995	19.50	--	--	--	5.11	14.39	--
HA-1	6/16/1995	19.50	--	--	--	8.33	11.17	--
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	--

Table 5

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

HA-1	9/17/1997	19.50	--	--	--	5.50	14.00	--
HA-1	4/29/1998	19.50	--	--	--	5.83	13.67	--
HA-1	5/24/2000	19.50	--	--	--	6.20	13.30	--
HA-1	5/23/2001	19.50	--	--	--	6.30	13.20	--
HA-1	6/4/2002	19.50	--	--	--	6.40	13.10	--
HA-1	5/28/2003	19.50	--	--	--	6.45	13.05	--
HA-1	6/15/2004	19.50	--	--	--	5.80	13.70	--
HA-1	6/22/2005	19.50	--	--	--	5.77	13.73	--
HA-1	6/5/2006	19.50	--	--	--	5.00	14.50	--
HA-1	10/23/2006	19.50	--	--	--	5.97	13.53	--
HA-1	3/14/2007	20.76	--	--	--	3.42	17.34	--
HA-1	9/10/2007	20.76	--	--	--	4.46	16.30	--
HA-1	11/28/2007	20.76	--	--	--	7.32	13.44	13.44
HA-1	12/13/2007	20.76	--	--	--	3.83	16.93	16.93
HA-1	1/21/2008	20.76	--	--	--	3.87	16.89	16.89
HA-1	2/24/2008	20.76	--	--	--	4.46	16.30	16.30
HA-1	3/24/2008	20.76	--	--	--	3.06	17.70	17.70
HA-1	6/2/2008	20.76	--	--	--	4.83	15.93	--
HA-1	8/25/2008	20.76	--	--	--	3.33	17.43	17.43
HA-1	2/18/2009	20.76	--	--	Not Monitored			NM
HA-1	8/25/2009	20.76	--	--	Not Monitored			NM
HA-1	3/22/2010	20.76	--	--	--	3.94	16.82	16.82
HA-1	8/23/2010	20.76	--	--	--	6.68	14.08	14.08
HA-1	2/7/2011	20.76	--	--	--	3.88	16.88	--
HA-1	5/27/2011	20.76	--	--	--	3.76	17.00	--
HA-1	8/8/2011	20.76	--	--	--	6.10	14.66	--
HA-1	11/14/2011	20.76	--	--	--	4.01	16.75	--
HA-1	2/20/2012	20.76	--	--	--	3.01	17.75	--
HA-1	8/22/2012	20.76	--	--	--	7.42	13.34	--
HA-1	11/5/2012	20.76	--	--	--	2.98	17.78	--
HA-1	1/28/2013	20.76	--	--	--	3.17	17.59	--
HA-1	5/9/2013	20.76	--	--	--	4.37	16.39	--
HA-1	8/19/2013	20.76	--	--	--	7.83	12.93	--
HA-1	11/25/2013	20.76	--	--	--	3.61	17.15	--
HA-1	2/14/2014	20.76	--	--	--	2.12	18.64	--
HA-1	5/5/2014	20.76	--	--	--	3.24	17.52	--
HA-1	8/19/2014				Decommissioned Well			
HA-2	1/27/1993	18.17	--	--	--	5.80	12.37	--
HA-2	4/14/1993	18.17	--	--	--	7.12	11.05	--
HA-2	12/15/1993	18.17	--	--	--	7.84	10.33	--
HA-2	11/4/1994	18.17	--	--	--	8.45	9.72	--
HA-2	2/22/1995	18.17	--	--	--	6.39	11.78	--
HA-2	6/16/1995	18.17	--	--	--	7.03	11.14	--
HA-2	10/20/1995	18.17	--	--	--	7.29	10.88	--
HA-2	4/4/1996	18.17	--	--	--	5.43	12.74	--
HA-2	4/16/1996	18.17	--	--	--	5.17	13.00	--
HA-2	4/2/1997	18.17	--	--	--	6.80	11.37	--
HA-2	5/1/1997	18.17	--	--	--	6.98	11.19	--
HA-2	9/18/1997	18.17	--	--	--	7.34	10.83	--
HA-2	4/30/1998	18.17	--	--	--	6.74	11.43	--
HA-2	7/30/1999	18.17	--	--	--	7.03	11.14	--
HA-2	5/23/2000	18.17	--	--	--	6.94	11.23	--
HA-2	5/23/2001	18.17	--	--	--	7.50	10.67	--
HA-2	6/4/2002	18.17	--	--	--	6.45	11.72	--
HA-2	5/27/2003	18.17	--	--	sheen	7.40	10.77	--
HA-2	6/16/2004	18.17	--	--	--	7.84	10.33	--
HA-2	6/21/2005	18.17	--	--	--	6.41	11.76	--
HA-2	6/5/2006	18.17	--	--	--	6.22	11.95	--
HA-2	10/23/2006	18.17	--	--	--	7.84	10.33	--
HA-2	3/14/2007	21.09	--	--	--	5.69	15.40	--
HA-2	9/10/2007	21.09	--	--	--	7.89	13.20	--
HA-2	11/28/2007	21.09	--	--	--	7.53	13.56	13.56
HA-2	12/13/2007	21.09	6.95	14.14	0.36	7.31	14.05	14.32
HA-2	1/21/2008	21.09	--	--	--	6.35	14.74	14.74
HA-2	2/24/2008	21.09	--	--	--	6.31	14.78	14.78
HA-2	3/24/2008	21.09	--	--	--	6.65	14.44	14.44
HA-2	6/2/2008	21.09	--	--	--	7.12	13.97	--
HA-2	8/25/2008	21.09	--	--	--	7.77	13.32	13.32
HA-2	2/18/2009	21.09	--	--	Not Monitored			NM
HA-2	8/25/2009	21.09	--	--	Not Monitored			NM
HA-2	3/22/2010	21.09	--	--	--	5.93	15.16	15.16
HA-2	8/23/2010	21.09	--	--	--	6.61	14.48	14.48
HA-2	2/7/2011	21.09	--	--	--	6.20	14.89	--
HA-2	5/27/2011	21.09	--	--	--	6.35	14.74	--
HA-2	8/8/2011	21.09	--	--	--	7.22	13.87	--
HA-2	11/14/2011	21.09	--	--	--	7.70	13.39	--
HA-2	2/20/2012	21.09	--	--	--	6.10	14.99	--
HA-2	8/22/2012	21.09	--	--	--	7.29	13.80	--
HA-2	11/5/2012	21.09	--	--	--	7.37	13.72	--
HA-2	1/28/2013	21.09	--	--	--	5.42	15.67	--
HA-2	5/9/2013	21.09	--	--	--	6.54	14.55	--
HA-2	8/19/2013	21.09	--	--	--	7.66	13.43	--
HA-2	11/25/2013	21.09	--	--	--	4.56	16.53	--
HA-2	2/14/2014	21.09	--	--	--	6.25	14.84	--
HA-2	5/5/2014	21.09	--	--	--	5.04	16.05	--
HA-2	8/19/2014				Decommissioned Well			
HA-3	1/27/1993	21.03	--	--	--	8.65	12.38	--
HA-3	3/12/1993	21.03	--	--	--	9.01	12.02	--
HA-3	4/14/1993	21.03	--	--	--	8.61	12.42	--
HA-3	12/15/1993	21.03	--	--	--	9.22	11.81	--
HA-3	11/4/1994	21.03	--	--	--	10.26	10.77	--
HA-3	2/22/1995	21.03	--	--	--	8.35	12.68	--
HA-3	6/16/1995	21.03	--	--	--	9.31	11.72	--
HA-3	10/20/1995	21.03	--	--	--	9.46	11.57	--
HA-3	4/4/1996	21.03	--	--	--	7.95	13.08	--
HA-3	4/16/1996	21.03	--	--	--	8.10	12.93	--
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	--

Table 5

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

HA-3	5/23/2000	21.03	--	--	--	9.25	11.78	--
HA-3	5/23/2001	21.03	--	--	--	9.18	11.85	--
HA-3	6/4/2002	21.03	--	--	--	9.07	11.96	--
HA-3	5/27/2003	21.03	--	--	--	9.30	11.73	--
HA-3	6/22/2005	21.03	--	--	--	8.94	12.09	--
HA-3	6/5/2006	21.03	--	--	--	8.91	12.12	--
HA-3	10/23/2006	21.03	--	--	--	9.66	11.37	--
HA-3	3/14/2007	21.09	--	--	--	5.42	15.67	--
HA-3	9/10/2007	21.09	--	--	--	6.70	14.39	--
HA-3	11/28/2007	21.09	--	--	--	6.91	14.18	14.18
HA-3	12/13/2007	21.09	5.90	15.19	0.90	6.80	14.97	15.64
HA-3	1/21/2008	21.09	--	--	--	5.96	15.13	15.13
HA-3	2/24/2008	21.09	--	--	--	5.77	15.32	15.32
HA-3	3/24/2008	21.09	--	--	--	6.07	15.02	15.02
HA-3	6/2/2008	21.09	--	--	--	6.36	14.73	--
HA-3	8/25/2008	21.09	--	--	--	6.30	14.79	14.79
HA-3	2/18/2009	21.09	--	--	Not Monitored			NM
HA-3	8/25/2009	21.09	--	--	Not Monitored			NM
HA-3	3/22/2010	21.09	--	--	--	5.44	15.65	16.65
HA-3	8/23/2010	21.09	--	--	--	6.34	14.75	14.75
HA-3	2/7/2011	21.09	--	--	--	5.31	15.78	--
HA-3	5/27/2011	21.09	--	--	--	5.67	15.42	--
HA-3	8/8/2011	21.09	--	--	--	6.45	14.64	--
HA-3	11/14/2011	21.09	--	--	--	6.33	14.76	--
HA-3	2/20/2012	21.09	--	--	--	5.20	15.89	--
HA-3	8/22/2012	21.09	--	--	--	6.56	14.53	--
HA-3	11/5/2012	21.09	--	--	--	5.41	15.68	--
HA-3	1/28/2013	21.09	--	--	--	5.47	15.62	--
HA-3	5/9/2013	21.09	--	--	--	5.97	15.12	--
HA-3	8/19/2013	21.09	--	--	--	6.60	14.49	--
HA-3	11/25/2013	21.09	--	--	--	4.07	17.02	--
HA-3	2/14/2014	21.09	--	--	--	4.68	16.41	--
HA-3	5/5/2014	21.09	--	--	--	4.66	16.43	--
HA-3	8/19/2014				Decommissioned Well			
HA-4	1/27/1993	20.24	--	--	--	7.68	12.56	--
HA-4	3/12/1993	20.24	--	--	--	8.56	11.68	--
HA-4	4/14/1993	20.24	--	--	--	8.02	12.22	--
HA-4	12/15/1993	20.24	--	--	--	8.41	11.83	--
HA-4	11/4/1994	20.24	--	--	--	10.14	10.10	--
HA-4	2/22/1995	20.24	--	--	--	7.09	13.15	--
HA-4	6/16/1995	20.24	--	--	--	8.78	11.46	--
HA-4	10/20/1995	20.24	--	--	--	8.54	11.70	--
HA-4	4/4/1996	20.24	--	--	--	7.68	12.56	--
HA-4	4/16/1996	20.24	--	--	--	7.11	13.13	--
HA-4	4/2/1997	20.24	--	--	--	8.00	12.24	--
HA-4	5/1/1997	20.24	--	--	--	5.49	14.75	--
HA-4	9/18/1997	20.24	--	--	--	7.70	12.54	--
HA-4	4/30/1998	20.24	--	--	--	8.67	11.57	--
HA-4	5/23/2000	20.24	--	--	--	7.35	12.89	--
HA-4	5/23/2001	20.24	--	--	--	8.95	11.29	--
HA-4	6/4/2002	20.24	--	--	--	6.45	13.79	--
HA-4	5/27/2003	20.24	--	--	--	8.64	11.60	--
HA-4	6/16/2004	20.24	--	--	--	8.67	11.57	--
HA-4	6/22/2005	20.24	--	--	--	8.58	11.66	--
HA-4	6/5/2006	20.24	--	--	--	8.04	12.20	--
HA-4	10/23/2006	20.24	--	--	--	9.00	11.24	--
HA-4	3/14/2007	21.05	--	--	--	5.06	15.99	--
HA-4	9/10/2007	21.05	--	--	--	6.77	14.28	--
HA-4	11/28/2007	21.05	--	--	--	5.42	15.63	15.63
HA-4	12/13/2007	21.05	--	--	--	6.20	14.85	14.85
HA-4	1/21/2008	21.05	--	--	--	5.08	15.97	15.97
HA-4	2/24/2008	21.05	--	--	--	5.78	15.27	15.27
HA-4	3/24/2008	21.05	--	--	--	5.15	15.90	15.90
HA-4	6/2/2008	21.05	--	--	--	6.37	14.68	--
HA-4	8/25/2008	21.05	--	--	--	4.15	16.90	16.90
HA-4	2/18/2009	21.05	--	--	Not Monitored			NM
HA-4	8/25/2009	21.05	--	--	Not Monitored			NM
HA-4	3/22/2010	21.05	--	--	--	5.69	15.36	15.36
HA-4	8/23/2010	21.05	--	--	--	6.75	14.30	14.30
HA-4	2/7/2011	21.05	--	--	--	5.17	15.88	--
HA-4	5/27/2011	21.05	--	--	--	5.61	15.44	--
HA-4	8/8/2011	21.05	--	--	--	6.63	14.42	--
HA-4	11/14/2011	21.05	--	--	--	4.71	16.34	--
HA-4	2/20/2012	21.05	--	--	--	4.90	16.15	--
HA-4	8/22/2012	21.05	--	--	--	10.72	10.33	--
HA-4	11/5/2012	21.05	--	--	--	3.98	17.07	--
HA-4	1/28/2013	21.05	--	--	--	3.54	17.51	--
HA-4	5/9/2013	21.05	--	--	--	6.08	14.97	--
HA-4	8/19/2013	21.05	--	--	--	6.88	14.17	--
HA-4	11/25/2013	21.05	--	--	--	5.83	15.22	--
HA-4	2/14/2014	21.05	--	--	--	3.65	17.40	--
HA-4	5/5/2014	21.05	--	--	--	4.84	16.21	--
HA-4	8/19/2014				Decommissioned Well			
HA-5	1/27/1993	18.07	--	--	--	4.50	13.57	--
HA-5	3/12/1993	18.07	--	--	--	6.22	11.85	--
HA-5	4/14/1993	18.07	--	--	--	5.13	12.94	--
HA-5	12/15/1993	18.07	--	--	--	6.39	11.68	--
HA-5	11/4/1994	18.07	--	--	--	7.86	10.21	--
HA-5	2/22/1995	18.07	--	--	--	3.67	14.40	--
HA-5	6/16/1995	18.07	--	--	--	6.70	11.37	--
HA-5	10/20/1995	18.07	--	--	--	6.41	11.66	--
HA-5	4/4/1996	18.07	--	--	--	4.88	13.19	--
HA-5	4/16/1996	18.07	--	--	--	4.91	13.16	--
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	--

Table 5

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

HA-5	11/24/2002	21.13	--	--	--	6.80	14.33	14.33
HA-5	1/17/2003	21.13	4.37	16.76	0.00	4.37	16.76	16.76
HA-5	1/20/2003	21.13	--	--	--	4.58	16.55	16.55
HA-5	1/31/2003	21.13	--	--	--	4.49	16.64	16.64
HA-5	2/7/2003	21.13	--	--	--	4.46	16.67	16.67
HA-5	2/12/2003	21.13	--	--	--	4.93	16.20	16.20
HA-5	2/18/2003	21.13	--	--	--	5.30	15.83	15.83
HA-5	2/21/2003	21.13	--	--	--	5.14	15.99	15.99
HA-5	2/24/2003	21.13	--	--	--	5.23	15.90	15.90
HA-5	3/4/2003	21.13	--	--	--	5.55	15.58	15.58
HA-5	3/12/2003	21.13	--	--	--	5.24	15.89	15.89
HA-5	3/14/2003	21.13	5.25	15.88	0.01	5.26	15.88	15.89
HA-5	3/26/2003	21.13	--	--	--	4.41	16.72	16.72
HA-5	3/28/2003	21.13	--	--	--	4.98	16.15	16.15
HA-5	4/2/2003	21.13	--	--	--	5.00	16.13	16.13
HA-5	4/4/2003	21.13	--	--	--	5.44	15.69	15.69
HA-5	4/8/2003	21.13	--	--	--	5.49	15.64	15.64
HA-5	4/11/2003	21.13	--	--	--	5.53	15.60	15.60
HA-5	4/15/2003	21.13	--	--	--	5.06	16.07	16.07
HA-5	4/17/2003	21.13	--	--	--	5.70	15.43	15.43
HA-5	4/22/2003	21.13	--	--	--	5.54	15.59	15.59
HA-5	4/25/2003	21.13	--	--	--	5.92	15.21	15.21
HA-5	5/2/2003	21.13	--	--	--	5.98	15.15	15.15
HA-5	5/6/2003	21.13	--	--	--	6.02	15.11	15.11
HA-5	5/9/2003	21.13	--	--	--	6.34	14.79	14.79
HA-5	5/23/2003	21.13	--	--	--	6.95	14.18	14.18
HA-5	5/28/2003	21.13	--	--	--	6.85	14.28	14.28
HA-5	6/13/2003	21.13	--	--	--	7.22	13.91	13.91
HA-5	6/18/2003	21.13	--	--	--	7.16	13.97	13.97
HA-5	6/27/2003	21.13	--	--	--	7.14	13.99	13.99
HA-5	7/7/2003	21.13	--	--	--	7.47	13.66	13.66
HA-5	7/16/2003	21.13	--	--	--	7.57	13.56	13.56
HA-5	7/31/2003	21.13	7.82	13.31	0.01	7.83	13.31	13.32
HA-5	8/5/2003	21.13	--	--	--	7.90	13.23	13.23
HA-5	8/11/2003	21.13	--	--	--	9.01	12.12	12.12
HA-5	8/22/2003	21.13	9.24	11.89	0.01	9.25	11.89	11.90
HA-5	8/26/2003	21.13	--	--	--	8.19	12.94	12.94
HA-5	9/2/2003	21.13	--	--	--	8.48	12.65	12.65
HA-5	9/9/2003	21.13	--	--	--	8.93	12.20	12.20
HA-5	9/19/2003	21.13	8.80	12.33	0.01	8.81	12.33	12.34
HA-5	10/14/2003	21.13	--	--	Not Monitored	--	--	--
HA-5	11/20/2003	21.13	--	--	Not Monitored	--	--	--
HA-5	12/3/2003	21.13	--	--	--	4.44	16.69	16.69
HA-5	1/19/2004	21.13	--	--	--	3.99	17.14	17.14
HA-5	2/24/2004	21.13	--	--	--	5.26	15.87	15.87
HA-5	3/15/2004	21.13	--	--	--	6.11	15.02	15.02
HA-5	4/19/2004	21.13	--	--	--	6.62	14.51	14.51
HA-5	5/17/2004	21.13	--	--	--	7.15	13.98	13.98
HA-5	6/16/2004	21.13	--	--	--	7.01	14.12	--
HA-5	6/22/2004	21.13	--	--	--	6.98	14.15	14.15
HA-5	8/18/2004	21.13	8.10	13.03	0.01	8.11	13.03	13.04
HA-5	9/21/2004	21.13	--	--	--	6.97	14.16	14.16
HA-5	10/19/2004	21.13	--	--	--	6.28	14.85	14.85
HA-5	11/23/2004	21.13	--	--	--	6.52	14.61	14.61
HA-5	12/21/2004	21.13	--	--	--	4.56	16.57	16.57
HA-5	1/13/2005	21.13	--	--	--	5.84	15.29	15.29
HA-5	4/28/2005	21.13	--	--	--	4.88	16.25	16.25
HA-5	6/1/2005	21.13	--	--	--	5.17	15.96	15.96
HA-5	6/20/2005	21.13	--	--	--	5.82	15.31	--
HA-5	6/29/2005	21.13	--	--	--	6.59	14.54	14.54
HA-5	7/20/2005	21.13	--	--	--	7.00	14.13	14.13
HA-5	8/22/2005	21.13	--	--	--	7.20	13.93	13.93
HA-5	9/12/2005	21.13	--	--	--	7.82	13.31	13.31
HA-5	10/12/2005	21.13	--	--	--	8.35	12.78	12.78
HA-5	11/21/2005	21.13	6.02	15.11	0.01	6.03	15.11	15.12
HA-5	12/27/2005	21.13	--	--	Not Monitored	--	--	NM
HA-5	1/30/2006	21.13	--	--	--	6.10	15.03	15.03
HA-5	2/16/2006	21.13	--	--	--	3.97	17.16	17.16
HA-5	3/13/2006	21.13	--	--	--	4.94	16.19	16.19
HA-5	4/18/2006	21.13	--	--	--	5.28	15.85	15.85
HA-5	5/12/2006	21.13	--	--	--	5.70	15.43	15.43
HA-5	6/5/2006	21.13	--	--	--	5.42	15.71	--
HA-5	6/9/2006	21.13	--	--	--	5.31	15.82	15.82
HA-5	7/13/2006	21.13	--	--	--	6.39	14.74	14.74
HA-5	8/16/2006	21.13	--	--	--	7.35	13.78	13.78
HA-5	9/19/2006	21.13	--	--	--	7.80	13.33	13.33
HA-5	10/13/2006	21.13	--	--	--	7.52	13.61	13.61
HA-5	10/23/2006	21.13	--	--	--	7.54	13.59	--
HA-5	11/20/2006	21.13	--	--	--	3.70	17.43	17.43
HA-5	12/8/2006	21.13	--	--	--	4.69	16.44	16.44
HA-5	1/19/2007	21.13	--	--	--	3.22	17.91	17.91
HA-5	2/19/2007	21.13	--	--	--	5.25	15.88	15.88
HA-5	3/14/2007	21.13	--	--	--	4.38	16.75	--
HA-5	3/15/2007	21.13	--	--	--	4.31	16.82	16.82
HA-5	4/16/2007	21.13	--	--	--	4.76	16.37	16.37
HA-5	5/14/2007	21.13	--	--	--	6.05	15.08	15.08
HA-5	6/29/2007	21.13	--	--	--	7.17	13.96	13.96
HA-5	7/20/2007	21.13	--	--	--	7.57	13.56	13.56
HA-5	8/21/2007	21.13	--	--	--	8.15	12.98	12.98
HA-5	9/10/2007	21.13	--	--	--	8.24	12.89	12.89
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

Table 5

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

HA-5	2/7/2011	21.13	--	--	--	6.63	14.50	--
HA-5	5/27/2011	21.13	--	--	Not Monitored			
HA-5	8/8/2011	21.13	--	--	--	7.35	13.78	--
HA-5	11/14/2011	21.13	--	--	--	7.03	14.1	--
HA-5	2/20/2012	21.13	--	--	--	4.63	16.5	--
HA-5	8/22/2012	21.13	--	--	--	7.10	14.03	--
HA-5	11/5/2012	21.13	--	--	--	5.78	15.35	--
HA-5	1/28/2013	21.13	--	--	--	4.33	16.80	--
HA-5	5/9/2013	21.13	--	--	--	5.26	15.87	--
HA-5	8/19/2013	21.13	--	--	--	7.81	13.32	--
HA-5	11/25/2013	21.13	--	--	--	5.50	15.63	--
HA-5	2/14/2014	21.13	--	--	--	4.85	16.28	--
HA-5	5/5/2014	21.13	--	--	--	3.78	17.35	--
HA-5	8/19/2014	21.13	--	--	--	7.59	13.54	--
HA-5	11/21/2014	21.13	--	--	--	5.25	15.88	--
HA-6	1/27/1993	18.16	--	--	--	4.58	13.58	--
HA-6	3/12/1993	18.16	--	--	--	6.46	11.70	--
HA-6	4/14/1993	18.16	--	--	--	5.55	12.61	--
HA-6	12/15/1993	18.16	--	--	--	7.15	11.01	--
HA-6	11/4/1994	18.16	--	--	--	8.42	9.74	--
HA-6	2/22/1995	18.16	--	--	--	4.98	13.18	--
HA-6	5/15/1995	18.16	--	--	--	5.86	12.30	--
HA-6	6/16/1995	18.16	--	--	--	6.62	11.54	--
HA-6	10/20/1995	18.16	--	--	--	6.86	11.30	--
HA-6	4/4/1996	18.16	--	--	--	4.68	13.48	--
HA-6	4/16/1996	18.16	--	--	--	4.60	13.56	--
HA-6	5/10/1996	18.16	--	--	--	4.20	13.96	--
HA-6	5/15/1996	18.16	--	--	--	4.02	14.14	--
HA-6	5/22/1996	18.16	--	--	--	4.97	13.19	--
HA-6	6/5/1996	18.16	--	--	--	5.79	12.37	--
HA-6	6/24/1996	18.16	--	--	--	6.78	11.38	--
HA-6	7/15/1996	18.16	--	--	--	7.51	10.65	--
HA-6	8/23/1996	18.16	--	--	--	8.09	10.07	--
HA-6	9/18/1996	18.16	--	--	--	8.37	9.79	--
HA-6	1/3/1997	18.16	--	--	--	2.84	15.32	--
HA-6	3/12/1997	18.16	--	--	--	4.54	13.62	--
HA-6	4/2/1997	18.16	--	--	--	4.85	13.31	--
HA-6	5/1/1997	18.16	--	--	--	5.35	12.81	--
HA-6	8/19/1997	18.16	--	--	--	7.40	10.76	--
HA-6	8/26/1997	18.16	--	--	--	7.60	10.56	--
HA-6	9/17/1997	18.16	--	--	--	6.44	11.72	--
HA-6	5/1/1998	18.16	--	--	--	5.95	12.21	--
HA-6	7/30/1999	18.16	--	--	--	6.54	11.62	--
HA-6	5/22/2000	18.16	--	--	--	6.21	11.95	--
HA-6	5/22/2001	18.16	--	--	--	6.36	11.80	--
HA-6	6/5/2002	18.16	--	--	--	6.00	12.16	--
HA-6	11/24/2002	21.43	--	--	--	7.12	14.31	14.31
HA-6	5/28/2003	21.43	--	--	sheen	6.93	14.50	--
HA-6	6/16/2004	21.43	--	--	--	7.45	13.98	--
HA-6	1/13/2005	21.43	--	--	--	5.56	15.87	15.87
HA-6	4/28/2005	21.43	--	--	--	4.81	16.62	16.62
HA-6	6/1/2005	21.43	--	--	--	5.05	16.38	16.38
HA-6	6/20/2005	21.43	--	--	--	5.76	15.67	--
HA-6	6/29/2005	21.43	--	--	--	6.52	14.91	14.91
HA-6	7/20/2005	21.43	--	--	--	7.21	14.22	14.22
HA-6	8/22/2005	21.43	--	--	--	7.40	14.03	10.76
HA-6	9/12/2005	21.43	--	--	--	7.82	13.61	13.61
HA-6	10/12/2005	21.43	--	--	--	8.62	12.81	12.81
HA-6	11/21/2005	21.43	--	--	--	6.57	14.86	14.86
HA-6	12/27/2005	21.43	--	--	--	5.69	15.74	15.74
HA-6	1/30/2006	21.43	--	--	--	2.46	18.97	18.97
HA-6	2/16/2006	21.43	--	--	--	3.62	17.81	17.81
HA-6	3/13/2006	21.43	--	--	--	4.62	16.81	16.81
HA-6	4/18/2006	21.43	--	--	--	5.01	16.42	16.42
HA-6	5/12/2006	21.43	--	--	--	5.43	16.00	16.00
HA-6	6/5/2006	21.43	--	--	--	5.39	16.04	--
HA-6	6/9/2006	21.43	--	--	--	5.20	16.23	16.23
HA-6	7/13/2006	21.43	--	--	--	6.60	14.83	14.83
HA-6	8/16/2006	21.43	--	--	--	7.35	14.08	14.08
HA-6	9/19/2006	21.43	--	--	--	7.91	13.52	13.52
HA-6	10/13/2006	21.43	--	--	--	7.72	13.71	13.71
HA-6	10/23/2006	21.43	--	--	--	7.72	13.71	--
HA-6	11/20/2006	21.43	--	--	--	4.22	17.21	17.21
HA-6	12/8/2006	21.43	--	--	--	3.59	17.84	17.84
HA-6	1/19/2007	21.43	--	--	--	3.13	18.30	18.30
HA-6	2/19/2007	21.43	--	--	--	5.36	16.07	16.07
HA-6	3/14/2007	21.43	--	--	--	4.37	17.06	--
HA-6	3/15/2007	21.43	--	--	--	4.25	17.18	17.18
HA-6	4/16/2007	21.43	--	--	--	4.50	16.93	16.93
HA-6	5/14/2007	21.43	--	--	--	6.20	15.23	15.23
HA-6	6/29/2007	21.43	--	--	--	7.25	14.18	14.18
HA-6	7/20/2007	21.43	--	--	--	7.71	13.72	13.72
HA-6	8/21/2007	21.43	--	--	--	8.35	13.08	13.08
HA-6	9/10/2007	21.43	--	--	--	8.46	12.97	12.97
HA-6	10/22/2007	21.43	--	--	--	7.55	13.88	13.88
HA-6	11/28/2007	21.43	--	--	--	6.62	14.81	14.81
HA-6	12/13/2007	21.43	--	--	--	5.49	15.94	15.94
HA-6	1/21/2008	21.43	--	--	--	5.21	16.22	16.22
HA-6	2/24/2008	21.43	--	--	--	5.73	15.70	15.70
HA-6	3/24/2008	21.43	--	--	--	6.05	15.38	15.38
HA-6	6/2/2008	21.43	--	--	--	7.24	14.19	--
HA-6	8/25/2008	21.43	--	--	--	8.00	13.43	13.43
HA-6	2/18/2009	21.43	--	--	Not Monitored			NM
HA-6	8/25/2009	21.43	--	--	Not Monitored			NM
HA-6	3/22/2010	21.43	--	--	--	4.96	16.47	16.47
HA-6	8/23/2010	21.43	--	--	--	7.32	14.11	14.11
HA-6	2/7/2011	21.43	--	--	--	4.81	16.62	--
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	--



Table 5

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

HA-6	8/22/2012	21.43	--	--	--	7.24	14.19	--
HA-6	11/5/2012	21.43	--	--	--	7.00	14.43	--
HA-6	5/9/2013	21.43	--	--	--	5.52	15.91	--
HA-6	8/19/2013	21.43	--	--	--	8.08	13.35	--
HA-6	11/25/2013	21.43	--	--	--	5.84	15.59	--
HA-6	2/14/2014	21.43	--	--	--	5.26	16.17	--
HA-6	5/5/2014	21.43	--	--	--	4.24	17.19	--
HA-6	8/19/2014				Decommissioned Well			
HA-7	1/27/1993	18.44	--	--	2.22	6.33	13.78	--
HA-7	3/12/1993	18.44	--	--	0.61	7.30	11.60	--
HA-7	4/14/1993	18.44	--	--	1.23	7.00	12.36	--
HA-7	6/30/1993	18.44	--	--	0.84	7.36	11.71	--
HA-7	12/15/99	18.44	--	--	0.55	7.80	11.05	--
HA-7	2/8/1994	18.44	--	--	0.50	6.14	12.68	--
HA-7	8/12/1994	18.44	--	--	0.53	9.09	9.75	--
HA-7	9/21/1994	18.44	--	--	0.47	9.39	9.40	--
HA-7	11/4/1994	18.44	--	--	0.51	9.15	9.67	--
HA-7	12/23/1994	18.44	--	--	0.19	4.07	14.51	--
HA-7	2/3/1995	18.44	--	--	0.40	3.94	14.80	--
HA-7	2/22/1995	18.44	--	--	0.48	4.75	14.05	--
HA-7	3/24/1995	18.44	--	--	0.45	5.30	13.48	--
HA-7	4/27/1995	18.44	--	--	0.50	5.85	12.97	--
HA-7	5/15/1995	18.44	--	--	0.55	6.44	12.41	--
HA-7	6/16/1995	18.44	--	--	0.58	7.16	11.72	--
HA-7	8/25/1995	18.44	--	--	0.42	7.72	11.04	--
HA-7	10/20/1995	18.44	--	--	0.40	7.45	11.29	--
HA-7	4/4/1996	18.44	--	--	0.63	5.38	13.53	--
HA-7	4/16/1996	18.44	--	--	0.62	5.17	13.74	--
HA-7	5/10/1996	18.44	--	--	0.64	4.89	14.03	--
HA-7	5/15/1996	18.44	--	--	0.63	4.62	14.29	--
HA-7	5/22/1996	18.44	--	--	0.86	6.35	12.74	--
HA-7	6/5/1996	18.44	--	--	0.72	6.92	12.06	--
HA-7	6/24/1996	18.44	--	--	0.67	7.72	11.22	--
HA-7	7/15/1996	18.44	--	--	0.57	8.32	10.55	--
HA-7	8/23/1996	18.44	--	--	0.55	8.90	9.95	--
HA-7	9/18/1996	18.44	--	--	0.57	9.19	9.68	--
HA-7	1/3/1997	18.44	--	--	0.66	3.67	15.27	--
HA-7	3/12/1997	18.44	--	--	0.83	5.86	13.20	--
HA-7	4/2/1997	18.44	--	--	0.78	6.17	12.86	--
HA-7	5/1/1997	18.44	--	--	0.83	6.58	12.48	--
HA-7	7/8/1997	18.44	--	--	0.06	5.67	12.82	--
HA-7	8/19/1997	18.44	--	--	--	7.62	10.82	--
HA-7	8/26/1997	18.44	--	--	0.05	7.93	10.55	--
HA-7	9/18/1997	18.44	--	--	0.06	8.70	9.79	--
HA-7	4/30/1998	18.44	--	--	0.08	6.07	12.43	--
HA-7	7/29/1999	18.44	--	--	--	6.82	11.62	--
HA-7	5/22/2000	18.44	--	--	--	6.18	12.26	--
HA-7	5/22/2001	18.44	--	--	--	6.74	11.70	--
HA-7	6/5/2002	18.44	--	--	--	6.11	12.33	--
HA-7	11/24/2002	21.60	--	--	--	7.25	14.35	14.35
HA-7	5/28/2003	21.60	--	--	sheen	7.08	14.52	--
HA-7	6/15/2004	21.60	--	--	--	7.83	13.77	--
HA-7	1/13/2005	21.60	--	--	--	5.70	15.90	15.90
HA-7	4/28/2005	21.60			Not Monitored			NM
HA-7	6/1/2005	21.60			Not Monitored			NM
HA-7	6/20/2005	21.60	--	--	--	5.71	15.89	--
HA-7	6/29/2005	21.60			Not Monitored			NM
HA-7	7/20/2005	21.60			Not Monitored			NM
HA-7	8/22/2005	21.60			Not Monitored			NM
HA-7	9/12/2005	21.60			Not Monitored			NM
HA-7	10/12/2005	21.60			Not Monitored			NM
HA-7	11/21/2005	21.60			Not Monitored			NM
HA-7	12/27/2005	21.60			Not Monitored			NM
HA-7	1/30/2006	21.60			Not Monitored			NM
HA-7	2/16/2006	21.60			Not Monitored			NM
HA-7	3/13/2006	21.60			Not Monitored			NM
HA-7	4/18/2006	21.60			Not Monitored			NM
HA-7	5/12/2006	21.60			Not Monitored			NM
HA-7	6/5/2006	21.60	--	--	--	5.28	16.32	--
HA-7	6/9/2006	21.60			Not Monitored			NM
HA-7	7/13/2006	21.60			Not Monitored			NM
HA-7	8/16/2006	21.60			Not Monitored			NM
HA-7	9/19/2006	21.60			Not Monitored			NM
HA-7	10/13/2006	21.60			Not Monitored			NM
HA-7	10/23/2006	21.60	--	--	--	7.86	13.74	--
HA-7	11/20/2006	21.60			Not Monitored			NM
HA-7	12/8/2006	21.60			Not Monitored			NM
HA-7	1/19/2007	21.60			Not Monitored			NM
HA-7	1/19/2007	21.60			Not Monitored			NM
HA-7	1/19/2007	21.60			Not Monitored			NM
HA-7	3/14/2007	21.60	--	--	--	4.47	17.13	--
HA-7	4/16/2007	21.60			Not Monitored			NM
HA-7	5/14/2007	21.60			Not Monitored			NM
HA-7	6/29/2007	21.60	--	--	--	7.35	14.25	14.25
HA-7	7/20/2007	21.60			Not Monitored			NM
HA-7	8/21/2007	21.60			Not Monitored			NM
HA-7	9/10/2007	21.60	--	--	--	8.78	12.82	NM
HA-7	10/22/2007	21.60			Not Monitored			NM
HA-7	11/28/2007	21.60	--	--	--	7.02	14.58	14.58
HA-7	12/13/2007	21.60			Not Monitored			NM
HA-7	1/21/2008	21.60	--	--	--	5.27	16.33	16.33
HA-7	2/24/2008	21.60	--	--	--	5.97	15.63	15.63
HA-7	3/24/2008	21.60	--	--	--	6.34	15.26	15.26
HA-7	6/2/2008	21.60	--	--	--	7.62	13.98	--
HA-7	8/25/2008	21.60	--	--	--	8.27	13.33	13.33
HA-7	2/18/2009	21.60			Not Monitored			NM
HA-7	8/25/2009	21.60			Not Monitored			NM
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	--

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

HA-7	8/8/2011	21.60	--	--	--	7.91	13.69	--
HA-7	11/14/2011	21.60	--	--	--	7.68	13.92	--
HA-7	2/20/2012	21.60	--	--	--	5.31	16.29	--
HA-7	8/22/2012	21.60	--	--	--	7.36	14.24	--
HA-7	11/5/2012	21.60	--	--	--	7.19	14.41	--
HA-7	1/28/2013	21.60	--	--	--	4.54	17.06	--
HA-7	5/9/2013	21.60	--	--	--	6.02	15.58	--
HA-7	8/19/2013	21.60	--	--	--	8.41	13.19	--
HA-7	11/25/2013	21.60	--	--	--	6.39	15.21	--
HA-7	2/14/2014	21.60	--	--	--	5.23	16.37	--
HA-7	5/5/2014	21.60	--	--	--	4.74	16.86	--
HA-7	8/19/2014							
					Decommissioned Well			
HA-8	1/27/1993	18.88	--	--	--	4.60	14.28	--
HA-8	3/12/1993	18.88	--	--	--	6.79	12.09	--
HA-8	4/14/1993	18.88	--	--	--	5.20	13.68	--
HA-8	12/15/1993	18.88	--	--	--	7.18	11.70	--
HA-8	11/4/1994	18.88	--	--	--	8.85	10.03	--
HA-8	2/22/1995	18.88	--	--	--	4.03	14.85	--
HA-8	6/16/1995	18.88	--	--	--	7.13	11.75	--
HA-8	10/20/1995	18.88	--	--	--	7.09	11.79	--
HA-8	4/4/1996	18.88	--	--	--	5.32	13.56	--
HA-8	4/16/1996	18.88	--	--	--	5.18	13.70	--
HA-8	5/1/1997	18.88	--	--	--	5.01	13.87	--
HA-8	8/26/1997	18.88	--	--	--	7.99	10.89	--
HA-8	9/18/1997	18.88	--	--	--	6.90	11.98	--
HA-8	5/1/1998	18.88	--	--	--	6.25	12.63	--
HA-8	7/29/1999	18.88	--	--	--	7.93	10.95	--
HA-8	5/22/2000	18.88	--	--	--	6.10	12.78	--
HA-8	5/22/2001	18.88	--	--	--	6.65	12.23	--
HA-8	6/5/2002	18.88	--	--	--	6.54	12.34	--
HA-8	11/24/2002	21.97	--	--	--	7.40	14.57	14.57
HA-8	1/31/2003	21.97	--	--	--	4.04	17.93	17.93
HA-8	2/7/2003	21.97	--	--	--	4.16	17.81	17.81
HA-8	2/12/2003	21.97	--	--	--	4.71	17.26	17.26
HA-8	2/18/2003	21.97	--	--	--	4.99	16.98	16.98
HA-8	2/21/2003	21.97	--	--	--	5.16	16.81	16.81
HA-8	2/24/2003	21.97	--	--	--	5.21	16.76	16.76
HA-8	3/4/2003	21.97	--	--	--	5.89	16.08	16.08
HA-8	3/12/2003	21.97	--	--	--	5.36	16.61	16.61
HA-8	3/14/2003	21.97	5.21	16.76	0.01	5.22	16.76	16.77
HA-8	3/26/2003	21.97	--	--	--	4.74	17.23	17.23
HA-8	3/28/2003	21.97	--	--	--	5.21	16.76	16.76
HA-8	4/2/2003	21.97	--	--	--	5.25	16.72	16.72
HA-8	4/4/2003	21.97	--	--	--	5.57	16.40	16.40
HA-8	4/8/2003	21.97	--	--	--	5.57	16.40	16.40
HA-8	4/11/2003	21.97	--	--	--	5.77	16.20	16.20
HA-8	4/15/2003	21.97	--	--	--	5.41	16.56	16.56
HA-8	4/17/2003	21.97	--	--	--	5.91	16.06	16.06
HA-8	4/22/2003	21.97	--	--	--	6.07	15.90	15.90
HA-8	4/25/2003	21.97	--	--	--	6.37	15.60	15.60
HA-8	5/2/2003	21.97	--	--	--	6.44	15.53	15.53
HA-8	5/6/2003	21.97	--	--	--	6.62	15.35	15.35
HA-8	5/9/2003	21.97	--	--	--	6.92	15.05	15.05
HA-8	5/23/2003	21.97	--	--	--	7.38	14.59	14.59
HA-8	5/28/2003	21.97	--	--	--	7.34	14.63	14.63
HA-8	6/13/2003	21.97	--	--	--	7.66	14.31	14.31
HA-8	6/18/2003	21.97	--	--	--	7.60	14.37	14.37
HA-8	6/27/2003	21.97	--	--	--	7.65	14.32	14.32
HA-8	7/7/2003	21.97	--	--	--	8.51	13.46	13.46
HA-8	7/16/2003	21.97	--	--	--	8.24	13.73	13.73
HA-8	7/31/2003	21.97	--	--	--	8.61	13.36	13.36
HA-8	8/5/2003	21.97	--	--	--	9.62	12.35	12.35
HA-8	8/11/2003	21.97	--	--	--	9.70	12.27	12.27
HA-8	8/22/2003	21.97	10.02	11.95	0.01	10.03	11.95	11.96
HA-8	8/26/2003	21.97	--	--	--	8.99	12.98	12.98
HA-8	9/2/2003	21.97	--	--	--	9.02	12.95	12.95
HA-8	9/9/2003	21.97	9.51	12.46	0.01	9.52	12.46	12.47
HA-8	9/19/2003	21.97	10.40	11.57	0.10	10.50	11.55	11.62
HA-8	10/14/2003	21.97			Not Monitored			
HA-8	11/20/2003	21.97	7.22	14.75	0.32	7.54	14.67	14.91
HA-8	12/3/2003	21.97	4.65	17.32	0.57	5.22	17.18	17.61
HA-8	1/19/2004	21.97	4.23	17.74	0.55	4.78	17.60	18.02
HA-8	2/24/2004	21.97	5.08	16.89	0.53	5.61	16.76	17.16
HA-8	3/15/2004	21.97	6.15	15.82	0.51	6.66	15.69	16.08
HA-8	4/19/2004	21.97	6.98	14.99	0.50	7.48	14.87	15.24
HA-8	5/17/2004	21.97	7.74	14.23	0.49	8.23	14.11	14.48
HA-8	6/15/2004	21.97	--	--	0.51	8.21	14.14	--
HA-8	6/22/2004	21.97	7.57	14.40	0.51	8.08	14.27	14.66
HA-8	8/18/2004	21.97	8.71	13.26	0.49	9.20	13.14	13.51
HA-8	9/21/2004	21.97	7.67	14.30	0.17	7.84	14.26	14.39
HA-8	10/19/2004	21.97	6.89	15.08	0.16	7.05	15.04	15.16
HA-8	11/23/2004	21.97	6.89	15.08	0.11	7.00	15.05	15.14
HA-8	12/21/2004	21.97	5.08	16.89	0.15	5.23	16.85	16.97
HA-8	1/13/2005	21.97	--	--	--	6.02	15.95	15.95
HA-8	4/28/2005	21.97	--	--	--	8.63	13.34	13.34
HA-8	6/1/2005	21.97	5.55	13.33	0.11	5.66	16.39	16.48
HA-8	6/20/2005	21.97	--	--	0.11	6.27	15.78	--
HA-8	6/29/2005	21.97	7.08	11.80	0.12	7.20	14.86	11.68
HA-8	7/20/2005	21.97	7.55	14.42	0.15	7.70	14.38	14.50
HA-8	8/22/2005	21.97	7.85	14.12	0.05	7.90	14.11	14.15
HA-8	9/12/2005	21.97			Dry			0.00
HA-8	10/12/2005	21.97	9.14	12.83	3.61	9.22	15.46	18.17
HA-8	11/21/2005	21.97	7.49	14.48	0.02	7.51	14.48	14.49
HA-8	12/27/2005	21.97	5.04	16.93	0.06	5.10	16.92	16.96
HA-8	1/30/2006	21.97	2.30	19.67	0.06	2.36	19.66	19.70
HA-8	2/16/2006	21.97	4.11	17.86	0.06	4.17	17.85	17.89
HA-8	3/13/2006	21.97	4.98	16.99	0.06	5.04	16.98	17.02
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

Table 5

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

HA-8	7/13/2006	21.97	--	--	--	6.80	15.17	15.17
HA-8	8/16/2006	21.97	--	--	--	7.80	14.17	14.17
HA-8	9/19/2006	21.97	--	--	--	8.54	13.43	13.43
HA-8	10/13/2006	21.97	--	--	--	8.20	13.77	13.77
HA-8	10/23/2006	21.97	--	--	0.02	8.26	13.73	--
HA-8	11/20/2006	21.97	3.85	18.12	0.03	3.88	18.11	18.14
HA-8	12/8/2006	21.97	3.65	18.32	0.02	3.67	18.32	18.33
HA-8	1/19/2007	21.97	3.22	18.75	0.04	3.24	18.76	18.79
HA-8	2/19/2007	21.97	5.28	16.69	0.03	5.31	16.68	16.71
HA-8	3/15/2007	21.97	4.18	17.79	0.02	4.20	17.79	17.80
HA-8	4/16/2007	21.97	4.88	17.09	0.03	4.91	17.08	17.11
HA-8	5/14/2007	21.97	6.60	15.37	0.05	6.65	15.36	15.40
HA-8	6/29/2007	21.97	--	--	--	7.72	14.25	14.25
HA-8	7/20/2007	21.97	--	--	--	8.13	13.84	13.84
HA-8	8/21/2007	21.97	--	--	--	8.88	13.09	13.09
HA-8	9/10/2007	21.97	--	--	--	8.98	12.99	12.99
HA-8	10/22/2007	21.97	--	--	--	7.83	14.14	14.14
HA-8	11/28/2007	21.97	--	--	--	6.72	15.25	15.25
HA-8	12/13/2007	21.97	--	--	--	5.80	16.17	16.17
HA-8	1/21/2008	21.97	--	--	--	5.76	16.21	16.21
HA-8	2/24/2008	21.97	--	--	--	6.29	15.68	15.68
HA-8	3/24/2008	21.97	--	--	--	6.41	15.56	15.56
HA-8	6/2/2008	21.97	--	--	--	7.64	14.33	--
HA-8	8/25/2008	21.97	--	--	--	8.34	13.63	13.63
HA-8	2/18/2009	21.97	--	--	--	Not Monitored		NM
HA-8	8/25/2009	21.97	--	--	--	Not Monitored		NM
HA-8	3/22/2010	21.97	--	--	--	5.80	16.17	16.17
HA-8	8/23/2010	21.97	--	--	--	8.13	13.84	13.84
HA-8	2/7/2011	21.97	--	--	--	4.94	17.03	--
HA-8	5/27/2011	21.97	--	--	--	Not Monitored		
HA-8	8/8/2011	21.97	--	--	--	8.00	13.97	--
HA-8	11/14/2011	21.97	--	--	--	7.72	14.25	--
HA-8	2/20/2012	21.97	--	--	--	5.13	16.84	--
HA-8	8/22/2012	21.97	--	--	--	7.73	14.24	--
HA-8	11/5/2012	21.97	--	--	--	6.80	15.17	--
HA-8	1/28/2013	21.97	--	--	--	4.90	17.07	--
HA-8	5/9/2013	21.97	--	--	--	6.08	15.89	--
HA-8	8/19/2013	21.97	--	--	--	8.50	13.47	--
HA-8	11/25/2013	21.97	--	--	--	6.29	15.68	--
HA-8	2/14/2014	21.97	--	--	--	5.35	16.62	--
HA-8	5/5/2014	21.97	--	--	--	4.43	17.54	--
HA-8	8/19/2014					Decommissioned Well		
HA-9	1/27/1993	19.40	--	--	--	7.00	12.40	--
HA-9	3/12/1993	19.40	--	--	--	7.95	11.45	--
HA-9	4/14/1993	19.40	--	--	--	7.74	11.66	--
HA-9	12/15/1993	19.40	--	--	--	7.82	11.58	--
HA-9	11/4/1994	19.40	--	--	--	9.75	9.65	--
HA-9	2/22/1995	19.40	--	--	--	7.61	11.79	--
HA-9	6/16/1995	19.40	--	--	--	8.17	11.23	--
HA-9	10/20/1995	19.40	--	--	--	8.08	11.32	--
HA-9	4/4/1996	19.40	--	--	--	7.30	12.10	--
HA-9	4/16/1996	19.40	--	--	--	7.28	12.12	--
HA-9	4/2/1997	19.40	--	--	--	7.76	11.64	--
HA-9	5/1/1997	19.40	--	--	--	7.78	11.62	--
HA-9	9/18/1997	19.40	--	--	--	7.95	11.45	--
HA-9	4/29/1998	19.40	--	--	--	7.99	11.41	--
HA-9	7/28/1999	19.40	--	--	--	8.23	11.17	--
HA-9	5/24/2000	19.40	--	--	--	9.25	10.15	--
HA-9	5/23/2001	19.40	--	--	--	7.92	11.48	--
HA-9	6/4/2002	19.40	--	--	--	8.01	11.39	--
HA-9	11/24/2002	21.32	--	--	--	8.20	13.12	13.12
HA-9	5/28/2003	21.32	--	--	sheen	8.05	13.27	--
HA-9	6/17/2004	21.32	--	--	--	8.18	13.14	--
HA-9	6/20/2005	21.32	--	--	--	7.98	13.34	--
HA-9	6/5/2006	21.32	--	--	--	7.62	13.70	--
HA-9	10/23/2006	21.32	--	--	--	8.32	13.00	--
HA-9	3/14/2007	21.32	--	--	--	6.08	15.24	--
HA-9	6/29/2007	21.32	--	--	--	7.04	14.28	14.28
HA-9	7/20/2007	21.32	--	--	--	Not Monitored		NM
HA-9	8/21/2007	21.32	--	--	--	Not Monitored		NM
HA-9	9/10/2007	21.32	--	--	--	7.13	14.19	--
HA-9	10/22/2007	21.32	--	--	--	Not Monitored		NM
HA-9	11/28/2007	21.32	--	--	--	Not Monitored		NM
HA-9	12/13/2007	21.32	--	--	--	6.66	14.66	14.66
HA-9	1/21/2008	21.32	--	--	--	6.35	14.97	14.97
HA-9	2/24/2008	21.32	--	--	--	6.67	14.65	14.65
HA-9	3/24/2008	21.32	--	--	--	6.62	14.70	14.70
HA-9	6/2/2008	21.32	--	--	--	6.90	14.42	--
HA-9	8/25/2008	21.32	--	--	--	7.08	14.24	14.24
HA-9	2/18/2009	21.32	--	--	--	Not Monitored		NM
HA-9	8/25/2009	21.32	--	--	--	Not Monitored		NM
HA-9	3/22/2010	21.32	--	--	--	6.14	15.18	15.18
HA-9	8/23/2010	21.32	--	--	--	7.17	14.15	14.15
HA-9	2/7/2011	21.32	--	--	--	6.03	15.29	--
HA-9	5/27/2011	21.32	--	--	--	7.01	14.31	--
HA-9	8/8/2011	21.32	--	--	--	7.16	14.16	--
HA-9	11/14/2011	21.32	--	--	--	6.96	14.36	--
HA-9	2/20/2012	21.32	--	--	--	6.15	15.17	--
HA-9	8/22/2012	21.32	--	--	--	7.15	14.17	--
HA-9	11/5/2012	21.32	--	--	--	6.50	14.82	--
HA-9	1/28/2013	21.32	--	--	--	4.77	16.55	--
HA-9	5/9/2013	21.32	--	--	--	6.67	14.65	--
HA-9	8/19/2013	21.32	--	--	--	7.24	14.08	--
HA-9	11/25/2013	21.32	--	--	--	6.59	14.73	--
HA-9	2/14/2014	21.32	DRY	--	--		21.32	--
HA-9	5/5/2014	21.32	--	--	--	5.34	15.98	--
HA-9	8/19/2014	21.32	--	--	--	7.09	14.23	--
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	--

Table 5

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

HA-10	4/14/1993	19.40	--	--	--	8.73	10.67	--
HA-10	12/15/1993	19.40	--	--	--	8.05	11.35	--
HA-10	2/22/1995	19.40	--	--	--	8.14	11.26	--
HA-10	6/16/1995	19.40	--	--	--	9.18	10.22	--
HA-10	10/20/1995	19.40	--	--	--	7.83	11.57	--
HA-10	4/4/1996	19.40	--	--	--	7.67	11.73	--
HA-10	4/16/1996	19.40	--	--	--	7.29	12.11	--
HA-10	7/15/1996	19.40	--	--	--	9.40	10.00	--
HA-10	4/2/1997	19.40	--	--	--	8.74	10.66	--
HA-10	5/1/1997	19.40	--	--	--	8.26	11.14	--
HA-10	5/23/2001	19.40	--	--	--	8.86	10.54	--
HA-10	6/6/2002	19.40	--	--	--	9.80	9.60	--
HA-10	11/24/2002	21.15	--	--	--	8.49	12.66	12.66
HA-10	5/27/2003	21.15	--	--	--	9.31	11.84	--
HA-10	6/17/2004	21.15	--	--	--	9.17	11.98	--
HA-10	6/21/2005	21.15	--	--	--	8.58	12.57	--
HA-10	6/5/2006	21.15	--	--	--	7.84	13.31	--
HA-10	10/23/2006	21.15	--	--	--	9.09	12.06	--
HA-10	3/14/2007	21.15	--	--	--	6.21	14.94	--
HA-10	6/29/2007	21.15	--	--	--	7.79	13.36	13.36
HA-10	7/20/2007	21.15	--	--	Not Monitored			NM
HA-10	8/21/2007	21.15	--	--	Not Monitored			NM
HA-10	9/10/2007	21.15	--	--	--	8.20	12.95	NM
HA-10	10/22/2007	21.15	--	--	Not Monitored			NM
HA-10	11/28/2007	21.15	--	--	--	7.50	13.65	13.65
HA-10	12/13/2007	21.15	--	--	--	7.35	13.80	13.80
HA-10	1/21/2008	21.15	--	--	--	6.79	14.36	14.36
HA-10	2/24/2008	21.15	--	--	--	6.70	14.45	14.45
HA-10	3/24/2008	21.15	--	--	--	7.21	13.94	13.94
HA-10	6/2/2008	21.15	--	--	--	7.85	13.30	13.30
HA-10	8/25/2008	21.15	--	--	--	6.51	14.64	14.64
HA-10	2/18/2009	21.15	--	--	Not Monitored			NM
HA-10	8/25/2009	21.15	--	--	Not Monitored			NM
HA-10	3/22/2010	21.15	--	--	--	6.32	14.83	14.83
HA-10	8/23/2010	21.15	--	--	--	7.55	13.60	13.60
HA-10	2/7/2011	21.15	--	--	--	7.11	14.04	--
HA-10	5/27/2011	21.15	--	--	--	6.97	14.18	--
HA-10	8/8/2011	21.15	--	--	--	8.07	13.08	--
HA-10	2/20/2012	21.15	--	--	--	6.92	14.23	--
HA-10	8/22/2012	21.15	--	--	--	8.03	13.12	--
HA-10	11/5/2012	21.15	--	--	--	5.61	15.54	--
HA-10	1/28/2013	21.15	--	--	--	5.56	15.59	--
HA-10	5/9/2013	21.15	--	--	--	7.48	13.67	--
HA-10	8/19/2013	21.15	--	--	--	8.31	12.84	--
HA-10	11/25/2013	21.15	--	--	--	7.43	13.72	--
HA-10	2/14/2014	21.15	--	--	--	5.65	15.50	--
HA-10	5/5/2014	21.15	--	--	--	5.41	15.74	--
HA-10	8/19/2014	21.15	--	--	--	7.62	13.53	--
HA-11	1/27/1993	18.51	--	--	--	5.80	12.71	--
HA-11	3/12/1993	18.51	--	--	--	7.97	10.54	--
HA-11	4/14/1993	18.51	--	--	--	7.33	11.18	--
HA-11	12/15/1993	18.51	--	--	--	7.18	11.33	--
HA-11	11/4/1994	18.51	--	--	--	9.77	8.74	--
HA-11	2/22/1995	18.51	--	--	--	7.49	11.02	--
HA-11	6/16/1995	18.51	--	--	--	8.25	10.26	--
HA-11	10/20/1995	18.51	--	--	--	7.62	10.89	--
HA-11	4/4/1996	18.51	--	--	--	6.95	11.56	--
HA-11	4/16/1996	18.51	--	--	--	6.60	11.91	--
HA-11	4/2/1997	18.51	--	--	--	7.95	10.56	--
HA-11	5/1/1997	18.51	--	--	--	7.96	10.55	--
HA-11	4/29/1998	18.51	--	--	--	7.89	10.62	--
HA-11	7/28/1999	18.51	--	--	--	8.08	10.43	--
HA-11	5/24/2000	18.51	--	--	--	7.75	10.76	--
HA-11	5/23/2001	18.51	--	--	--	8.40	10.11	--
HA-11	6/4/2002	18.51	--	--	--	7.77	10.74	--
HA-11	11/24/2002	20.69	--	--	--	8.33	12.36	12.36
HA-11	5/27/2003	20.69	--	--	--	8.33	12.36	--
HA-11	6/21/2005	20.69	--	--	--	7.85	12.84	--
HA-11	6/5/2006	20.69	--	--	--	7.57	13.12	--
HA-11	10/23/2006	20.69	--	--	--	8.60	12.09	--
HA-11	3/14/2007	20.69	--	--	--	6.21	14.48	--
HA-11	6/29/2007	20.69	--	--	--	7.64	13.05	13.05
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	--

Table 5

Groundwater Elevation Data  
Phillips 66 Company  
Renton Terminal  
Renton, Washington

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	--	--	--	--	--	--
HA-12	11/5/2012	22.47	--	--	--	6.02	16.45	--
HA-12	1/28/2013	22.47	--	--	--	5.32	17.15	--
HA-12	5/9/2013	22.47	--	--	--	6.68	15.79	--
HA-12	8/19/2013	22.47	--	--	--	8.02	14.45	--
HA-12	11/25/2013	22.47	--	--	--	6.83	15.64	--
HA-12	2/14/2014	22.47	--	--	--	5.63	16.84	--
HA-12	5/5/2014	22.47	--	--	--	5.32	17.15	--
HA-12	8/19/2014	22.47	--	--	--	Dry	--	--
HA-13	1/27/1993	19.56	--	--	--	5.32	14.24	--
HA-13	3/12/1993	19.56	--	--	--	8.23	11.33	--
HA-13	4/14/1993	19.56	--	--	--	7.08	12.48	--
HA-13	12/15/1993	19.56	--	--	--	6.34	13.22	--
HA-13	11/4/1994	19.56	--	--	--	8.93	10.63	--
HA-13	2/22/1995	19.56	--	--	--	4.54	15.02	--
HA-13	6/16/1995	19.56	--	--	--	8.83	10.73	--
HA-13	10/20/1995	19.56	--	--	--	8.23	11.33	--
HA-13	4/4/1996	19.56	--	--	--	7.06	12.50	--
HA-13	4/16/1996	19.56	--	--	--	7.31	12.25	--
HA-13	5/1/1997	19.56	--	--	--	7.01	12.55	--
HA-13	9/18/1997	19.56	--	--	--	6.93	12.63	--
HA-13	4/30/1998	19.56	--	--	--	8.26	11.30	--
HA-13	7/28/1999	19.56	--	--	--	8.62	10.94	--
HA-13	5/22/2000	19.56	--	--	--	8.45	11.11	--
HA-13	5/22/2001	19.56	--	--	--	8.20	11.36	--
HA-13	6/4/2002	19.56	--	--	--	8.41	11.15	--
HA-13	11/24/2002	22.73	--	--	--	8.60	14.13	14.13
HA-13	1/17/2003	22.73	--	--	--	6.30	16.43	16.43
HA-13	1/31/2003	22.73	--	--	--	4.49	18.24	18.24
HA-13	2/7/2003	22.73	--	--	--	6.27	16.46	16.46
HA-13	2/12/2003	22.73	--	--	--	6.78	15.95	15.95
HA-13	2/18/2003	22.73	--	--	--	7.13	15.60	15.60
HA-13	2/21/2003	22.73	--	--	--	6.99	15.74	15.74
HA-13	2/24/2003	22.73	--	--	--	6.98	15.75	15.75
HA-13	3/4/2003	22.73	--	--	--	7.49	15.24	15.24
HA-13	3/12/2003	22.73	--	--	--	6.48	16.25	16.25
HA-13	3/14/2003	22.73	--	--	--	5.16	17.57	17.57
HA-13	3/26/2003	22.73	--	--	--	5.65	17.08	17.08
HA-13	3/28/2003	22.73	--	--	--	6.34	16.39	16.39
HA-13	4/2/2003	22.73	--	--	--	6.74	15.99	15.99
HA-13	4/4/2003	22.73	--	--	--	7.08	15.65	15.65
HA-13	4/8/2003	22.73	--	--	--	7.17	15.56	15.56
HA-13	4/11/2003	22.73	--	--	--	7.31	15.42	15.42
HA-13	4/15/2003	22.73	--	--	--	6.93	15.80	15.80
HA-13	4/17/2003	22.73	--	--	--	7.32	15.41	15.41
HA-13	4/22/2003	22.73	--	--	--	7.52	15.21	15.21
HA-13	4/25/2003	22.73	--	--	--	7.81	14.92	14.92
HA-13	5/2/2003	22.73	--	--	--	8.04	14.69	14.69
HA-13	5/6/2003	22.73	--	--	--	8.13	14.60	14.60
HA-13	5/9/2003	22.73	--	--	--	8.36	14.37	14.37
HA-13	5/23/2003	22.73	--	--	--	8.93	13.80	13.80
HA-13	5/27/2003	22.73	--	--	--	8.89	13.84	--
HA-13	5/28/2003	22.73	--	--	--	8.98	13.75	13.75

Table 5

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

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

Table 5

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

HA-14	9/18/1997	20.02	--	--	--	8.17	11.85	--
HA-14	4/30/1998	20.02	--	--	--	9.05	10.97	--
HA-14	7/29/1999	20.02	--	--	--	9.49	10.53	--
HA-14	5/22/2000	20.02	--	--	--	9.22	10.80	--
HA-14	5/22/2001	20.02	--	--	--	9.03	10.99	--
HA-14	6/4/2002	20.02	--	--	--	8.41	11.61	--
HA-14	11/24/2002	23.47	--	--	--	9.67	13.80	13.80
HA-14	5/27/2003	23.47	--	--	--	9.48	13.99	--
HA-14	6/16/2004	23.47	--	--	--	9.69	13.78	--
HA-14	9/21/2004	23.47	--	--	--	9.24	14.23	14.23
HA-14	6/1/2005	23.47	--	--	--	8.68	14.79	14.79
HA-14	6/21/2005	23.47	--	--	--	9.15	14.32	--
HA-14	6/29/2005	23.47	--	--	--	9.32	14.15	14.15
HA-14	7/20/2005	23.47	--	--	--	9.63	13.84	10.39
HA-14	8/22/2005	23.47	--	--	--	10.50	12.97	13.21
HA-14	9/12/2005	23.47			Not Monitored			NM
HA-14	10/12/2005	23.47			Not Monitored			NM
HA-14	11/21/2005	23.47			Not Monitored			NM
HA-14	12/27/2005	23.47			Not Monitored			NM
HA-14	1/30/2006	23.47			Not Monitored			NM
HA-14	2/16/2006	23.47			Not Monitored			NM
HA-14	3/13/2006	23.47			Not Monitored			NM
HA-14	4/18/2006	23.47			Not Monitored			NM
HA-14	5/12/2006	23.47			Not Monitored			NM
HA-14	6/5/2006	23.47	--	--	--	7.96	15.51	--
HA-14	6/9/2006	23.47			Not Monitored			NM
HA-14	7/13/2006	23.47			Not Monitored			NM
HA-14	8/16/2006	23.47			Not Monitored			NM
HA-14	9/19/2006	23.47			Not Monitored			NM
HA-14	10/13/2006	23.47	--	--	--	10.26	13.21	13.21
HA-14	10/23/2006	23.47	--	--	--	10.18	13.29	--
HA-14	11/20/2006	23.47	--	--	--	9.27	14.20	14.20
HA-14	12/8/2006	23.47	--	--	--	5.12	18.35	18.35
HA-14	1/19/2007	23.47	--	--	--	5.01	18.46	18.46
HA-14	2/19/2007	23.47	--	--	--	8.00	15.47	15.47
HA-14	3/14/2007	23.47	--	--	--	7.13	16.34	--
HA-14	3/15/2007	23.47	--	--	--	6.85	16.62	16.62
HA-14	4/16/2007	23.47	--	--	--	7.87	15.60	15.60
HA-14	5/14/2007	23.47	--	--	--	9.10	14.37	14.37
HA-14	6/29/2007	23.47	--	--	--	8.70	14.77	14.77
HA-14	7/20/2007	23.47	--	--	--	10.08	13.39	13.39
HA-14	8/21/2007	23.47	--	--	--	10.12	13.35	13.35
HA-14	9/10/2007	23.47	--	--	--	10.41	13.06	13.06
HA-14	10/22/2007	23.47	--	--	--	8.76	14.71	14.71
HA-14	11/28/2007	23.47	--	--	--	6.79	16.68	16.68
HA-14	12/13/2007	23.47	7.72	15.75	0.07	7.79	15.73	15.79
HA-14	1/21/2008	23.47	--	--	--	6.54	16.93	16.93
HA-14	2/24/2008	23.47	--	--	--	8.21	15.26	15.26
HA-14	3/24/2008	23.47	--	--	--	8.61	14.86	14.86
HA-14	6/2/2008	23.47	--	--	--	9.68	13.79	--
HA-14	8/25/2008	23.47	--	--	--	8.67	14.80	14.80
HA-14	2/18/2009	23.47			Not Monitored			NM
HA-14	8/25/2009	23.47	--	--	--	10.41	13.06	NM
HA-14	3/22/2010	23.47	--	--	--	8.15	15.32	15.32
HA-14	8/23/2010	23.47	--	--	--	9.94	13.53	13.53
HA-14	2/7/2011	23.47	--	--	--	7.35	16.12	--
HA-14	5/27/2011	23.47	--	--	--	8.28	15.19	--
HA-14	8/8/2011	23.47	--	--	--	9.89	13.58	--
HA-14	11/14/2011	23.47	--	--	--	10.31	13.16	--
HA-14	2/20/2012	23.47	--	--	--	6.90	16.57	--
HA-14	8/22/2012	23.47	--	--	--	9.83	13.64	--
HA-14	11/5/2012	23.47			DRY			
HA-14	1/28/2013	23.47	--	--	--	7.34	16.13	--
HA-14	5/9/2013	23.47	--	--	--	8.22	15.25	--
HA-14	8/19/2013	23.47	--	--	--	10.15	13.32	--
HA-14	11/25/2013	23.47	--	--	--	8.16	15.31	--
HA-14	2/14/2014	23.47	--	--	--	7.90	15.57	--
HA-14	5/5/2014	23.47	--	--	--	6.91	16.56	--
HA-14	8/19/2014	23.47	--	--	--	9.17	14.30	--
HA-14	11/21/2014	23.47	--	--	--	8.11	15.36	--
HA-15	1/31/2003	22.87	--	--	--	5.56	17.31	--
HA-15	2/7/2003	22.87	--	--	--	5.31	17.56	17.31
HA-15	2/12/2003	22.87	--	--	--	5.64	17.23	17.56
HA-15	2/18/2003	22.87	--	--	--	6.09	16.78	17.23
HA-15	2/21/2003	22.87	--	--	--	7.92	14.95	14.95
HA-15	2/24/2003	22.87	--	--	--	6.04	16.83	16.83
HA-15	3/4/2003	22.87	--	--	--	6.62	16.25	16.25
HA-15	3/12/2003	22.87	--	--	--	6.02	16.85	16.85
HA-15	3/26/2003	22.87	--	--	--	5.46	17.41	17.41
HA-15	3/28/2003	22.87	--	--	--	5.96	16.91	16.91
HA-15	4/2/2003	22.87	--	--	--	5.91	16.96	16.96
HA-15	4/4/2003	22.87	--	--	--	6.22	16.65	16.65
HA-15	4/8/2003	22.87	--	--	--	6.42	16.45	16.45
HA-15	4/11/2003	22.87	--	--	--	6.63	16.24	16.24
HA-15	4/15/2003	22.87	--	--	--	6.28	16.59	16.59
HA-15	4/17/2003	22.87	--	--	--	6.49	16.38	16.38
HA-15	4/22/2003	22.87	--	--	--	6.66	16.21	16.21
HA-15	4/25/2003	22.87	--	--	--	7.07	15.80	15.80
HA-15	5/2/2003	22.87	--	--	--	7.06	15.81	15.81
HA-15	5/6/2003	22.87	--	--	--	7.32	15.55	15.55
HA-15	5/9/2003	22.87	--	--	--	7.52	15.35	15.35
HA-15	5/23/2003	22.87	--	--	--	7.83	15.04	15.04
HA-15	5/28/2003	22.87			DRY			Dry
HA-15	6/13/2003	22.87			DRY			Dry
HA-15	6/18/2003	22.87			DRY			Dry
HA-15	6/27/2003	22.87			DRY			Dry
HA-15	7/7/2003	22.87			DRY			Dry
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

Table 5

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



Table 5

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

HA-16	12/27/2005	22.07	--	--	--	6.14	15.93	15.93
HA-16	1/31/2006	22.07	2.75	19.32	0.01	2.76	19.32	19.33
HA-16	2/16/2006	22.07	--	--	--	4.26	17.81	17.81
HA-16	3/13/2006	22.07	--	--	--	5.25	16.82	16.82
HA-16	4/18/2006	22.07	--	--	--	5.71	16.36	16.36
HA-16	5/12/2006	22.07	--	--	--	6.10	15.97	15.97
HA-16	6/9/2006	22.07	--	--	--	5.75	16.32	16.32
HA-16	7/13/2006	22.07	--	--	--	7.00	15.07	15.07
HA-16	8/16/2006	22.07	--	--	--	8.00	14.07	14.07
HA-16	9/19/2006	22.07	--	--	--	8.60	13.47	13.47
HA-16	10/13/2006	22.07	--	--	--	8.36	13.71	13.71
HA-16	11/20/2006	22.07	--	--	--	4.42	17.65	17.65
HA-16	12/8/2006	22.07	--	--	--	3.96	18.11	18.11
HA-16	1/19/2007	22.07	--	--	--	3.66	18.41	18.41
HA-16	2/19/2007	22.07	--	--	--	5.84	16.23	16.23
HA-16	3/15/2007	22.07	--	--	--	4.60	17.47	17.47
HA-16	4/16/2007	22.07	--	--	--	5.13	16.94	16.94
HA-16	5/14/2007	22.07	--	--	--	6.70	15.37	15.37
HA-16	6/29/2007	22.07	--	--	--	7.91	14.16	14.16
HA-16	7/20/2007	22.07	--	--	--	8.37	13.70	13.70
HA-16	8/21/2007	22.07	--	--	--	9.05	13.02	13.02
HA-16	9/10/2007	22.07	--	--	--	9.11	12.96	12.96
HA-16	10/22/2007	22.07	--	--	--	7.95	14.12	14.12
HA-16	11/28/2007	22.07	--	--	--	7.20	14.87	14.87
HA-16	12/13/2007	22.07	5.77	16.30	0.01	5.78	16.30	16.31
HA-16	1/21/2008	22.07	--	--	--	5.75	16.32	16.32
HA-16	2/24/2008	22.07	--	--	--	6.32	15.75	15.75
HA-16	3/24/2008	22.07	--	--	--	6.65	15.42	15.42
HA-16	8/25/2008	22.07	--	--	--	8.60	13.47	13.47
HA-16	2/18/2009	22.07	--	--	--	6.64	15.43	15.43
HA-16	8/25/2009	22.07	--	--	--	9.87	12.20	12.20
HA-16	3/22/2010	22.07	--	--	--	5.53	16.54	16.54
HA-16	8/23/2010	22.07	--	--	--	8.08	13.99	13.99
HA-16	2/7/2011	22.07	--	--	--	5.18	16.89	--
HA-16	5/27/2011	22.07	--	--	--	6.08	15.99	--
HA-16	8/8/2011	22.07	--	--	--	8.15	13.92	--
HA-16	11/14/2011	22.07	--	--	--	7.85	14.22	--
HA-16	2/20/2012	22.07	--	--	--	4.61	17.46	--
HA-16	8/22/2012	22.07	--	--	--	7.85	14.22	--
HA-16	11/5/2012	22.07	--	--	--	7.17	14.90	--
HA-16	1/28/2013	22.07	--	--	--	4.73	17.34	--
HA-16	5/9/2013	22.07	--	--	--	5.89	16.18	--
HA-16	8/19/2013	22.07	--	--	--	8.64	13.43	--
HA-16	11/25/2013	22.07	--	--	--	6.10	15.97	--
HA-16	2/14/2014	22.07	--	--	--	5.54	16.53	--
HA-16	5/5/2014	22.07	--	--	--	3.94	18.13	--
HA-16	8/19/2014							
Decommissioned Well								
HA-17	8/11/2003	21.92	--	--	DRY			
HA-17	3/15/2004	21.92	--	--	--	6.66	15.26	Dry
HA-17	9/21/2004	21.92	--	--	--	7.75	14.17	15.26
HA-17	12/21/2004	21.92	--	--	--	5.07	16.85	14.17
HA-17	1/13/2005	21.92	--	--	--	5.85	16.07	16.07
HA-17	4/28/2005	21.92	--	--	--	4.85	17.07	17.07
HA-17	6/1/2005	21.92	--	--	--	5.09	16.83	16.83
HA-17	6/29/2005	21.92	--	--	--	6.97	14.95	14.95
HA-17	7/20/2005	21.92	--	--	--	7.63	14.29	14.29
HA-17	8/22/2005	21.92	--	--	--	7.82	14.10	14.10
HA-17	9/12/2005	21.92	--	--	DRY			Dry
HA-17	10/12/2005	21.92	--	--	DRY			Dry
HA-17	11/21/2005	21.92	--	--	--	6.43	15.49	15.49
HA-17	12/27/2005	21.92	--	--	--	5.10	16.82	16.82
HA-17	1/30/2006	21.92	--	--	--	2.81	19.11	19.11
HA-17	2/16/2006	21.92	--	3.68	0.01	3.69	18.24	18.25
HA-17	3/13/2006	21.92	--	--	--	4.63	17.29	17.29
HA-17	4/18/2006	21.92	--	--	--	5.00	16.92	16.92
HA-17	5/12/2006	21.92	--	--	--	5.54	16.38	16.38
HA-17	6/9/2006	21.92	--	--	--	4.97	16.95	16.95
HA-17	7/13/2006	21.92	--	--	--	9.50	12.42	12.42
HA-17	8/16/2006	21.92	--	--	--	7.50	14.42	14.42
HA-17	9/19/2006	21.92	--	--	DRY			Dry
HA-17	10/13/2006	21.92	--	--	DRY			Dry
HA-17	11/20/2006	21.92	--	--	--	4.12	17.80	17.80
HA-17	12/8/2006	21.92	--	--	--	3.48	18.44	18.44
HA-17	1/19/2007	21.92	--	--	--	3.02	18.90	18.90
HA-17	2/19/2007	21.92	--	--	--	5.85	16.07	16.07
HA-17	3/15/2007	21.92	--	--	--	3.97	17.95	17.95
HA-17	4/16/2007	21.92	--	--	--	4.51	17.41	17.41
HA-17	5/14/2007	21.92	--	--	--	6.71	15.21	15.21
HA-17	6/29/2007	21.92	--	--	--	7.58	14.34	14.34
HA-17	7/20/2007	21.92	--	--	DRY			Dry
HA-17	8/21/2007	21.92	--	--	DRY			Dry
HA-17	9/10/2007	21.92	--	--	DRY			Dry
HA-17	10/22/2007	21.82	--	--	--	7.36	14.46	14.46
HA-17	11/28/2007	21.82	--	--	--	6.95	14.87	14.87
HA-17	12/13/2007	21.82	--	--	--	5.89	15.93	15.93
HA-17	1/21/2008	21.82	--	--	--	5.45	16.37	16.37
HA-17	2/24/2008	21.82	--	--	--	6.09	15.73	15.73
HA-17	3/24/2008	21.82	--	--	--	6.41	15.41	15.41
HA-17	8/25/2008	21.82	--	--	DRY			Dry
HA-17	2/18/2009	21.82	--	--	--	6.68	15.14	15.14
HA-17	8/25/2009	21.82	--	--	--	8.10	13.72	13.72
HA-17	3/22/2010	21.82	--	--	--	4.92	16.90	16.90
HA-17	8/23/2010	21.82	--	--	DRY			Dry
HA-17	2/7/2011	21.82	--	--	--	4.89	16.93	--
HA-17	5/27/2011	21.82	--	--	Not Monitored			
HA-17	8/8/2011	21.82	--	--	Dry			
HA-17	11/14/2011	21.82	--	--	--	7.69	14.13	--
HA-17	2/20/2012	21.82	--	--	--	4.91	16.91	--
HA-17	8/22/2012	21.82	--	--	--	7.61	14.21	--
HA-17	11/5/2012	21.82	--	--	--	7.31	14.51	--
HA-17	1/28/2013	21.82	--	--	--	4.33	17.49	--

Table 5

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

HA-17	5/9/2013	21.82	--	--	--	6.00	15.82	--
HA-17	8/19/2013	21.82	--	--	DRY	--	--	--
HA-17	11/25/2013	21.82	--	--	--	6.46	15.36	--
HA-17	2/14/2014	21.82	--	--	--	5.27	16.55	--
HA-17	5/5/2014	21.82	--	--	--	4.68	17.14	--
HA-17	8/19/2014				Decommissioned Well			
HA-18	8/11/2003	21.51	--	--	DRY	--	--	--
HA-18	3/15/2004	21.51	6.47	15.04	0.00	6.47	15.04	Dry
HA-18	12/21/2004	21.51	--	--	--	4.98	16.53	15.04
HA-18	1/13/2005	21.51	--	--	--	5.61	15.90	16.53
HA-18	4/28/2005	21.51	--	--	--	4.79	16.72	16.72
HA-18	6/3/2005	21.51	--	--	--	5.00	16.51	16.51
HA-18	6/29/2005	21.51	--	--	--	6.76	14.75	14.75
HA-18	7/20/2005	21.51	--	--	--	7.46	14.05	14.05
HA-18	8/22/2005	21.51	--	--	--	7.45	14.06	14.06
HA-18	9/12/2005	21.51	--	--	--	7.80	13.71	13.71
HA-18	10/12/2005	21.51	--	--	DRY	--	--	Dry
HA-18	11/21/2005	21.51	--	--	--	7.00	14.51	14.51
HA-18	12/27/2005	21.51	--	--	--	5.88	15.63	15.63
HA-18	1/30/2006	21.51	--	--	--	2.52	18.99	18.99
HA-18	2/16/2006	21.51	--	--	--	3.59	17.92	17.92
HA-18	3/13/2006	21.51	--	--	--	4.52	16.99	16.99
HA-18	4/18/2006	21.51	--	--	--	5.11	16.40	16.40
HA-18	5/12/2006	21.51	--	--	--	5.39	16.12	16.12
HA-18	6/9/2006	21.51	--	--	--	5.15	16.36	16.36
HA-18	7/13/2006	21.51	--	--	--	6.21	15.30	15.30
HA-18	8/16/2006	21.51	--	--	--	7.21	14.30	14.30
HA-18	9/19/2006	21.51	--	--	DRY	--	--	Dry
HA-18	10/13/2006	21.51	--	--	--	7.75	13.76	13.76
HA-18	11/20/2006	21.51	--	--	--	4.47	17.04	17.04
HA-18	12/8/2006	21.51	--	--	--	3.58	17.93	17.93
HA-18	1/19/2007	21.51	--	--	--	3.15	18.36	18.36
HA-18	2/19/2007	21.51	--	--	--	5.84	15.67	15.67
HA-18	3/15/2007	21.51	--	--	--	4.32	17.19	17.19
HA-18	4/16/2007	21.51	--	--	--	4.43	17.08	17.08
HA-18	5/14/2007	21.51	--	--	--	6.45	15.06	15.06
HA-18	6/29/2007	21.51	--	--	--	7.27	14.24	14.24
HA-18	7/20/2007	21.51	--	--	--	7.87	13.64	13.64
HA-18	8/21/2007	21.51	--	--	DRY	--	--	Dry
HA-18	9/10/2007	21.51	--	--	DRY	--	--	Dry
HA-18	10/22/2007	21.51	--	--	DRY	--	--	Dry
HA-18	11/28/2007	21.51	--	--	--	6.92	14.59	14.59
HA-18	12/13/2007	21.51	--	--	--	5.86	15.65	15.65
HA-18	1/21/2008	21.51	--	--	--	5.62	15.89	15.89
HA-18	2/24/2008	21.51	--	--	--	4.36	17.15	17.15
HA-18	3/24/2008	21.51	--	--	--	6.29	15.22	15.22
HA-18	8/25/2008	21.51	--	--	--	8.07	13.44	13.44
HA-18	2/18/2009	21.51	--	--	--	6.32	15.19	15.19
HA-18	8/25/2009	21.51	--	--	DRY	--	--	0.00
HA-18	3/22/2010	21.51	--	--	--	4.81	16.70	16.70
HA-18	8/23/2010	21.51	--	--	--	7.26	14.25	14.25
HA-18	2/7/2011	21.51	--	--	--	4.99	16.52	--
HA-18	5/27/2011	21.51	--	--	Not Monitored	--	--	--
HA-18	8/8/2011	21.51	--	--	--	7.76	13.75	--
HA-18	11/14/2011	21.51	--	--	--	7.58	13.93	--
HA-18	2/20/2012	21.51	--	--	--	5.24	16.27	--
HA-18	11/5/2012	21.51	--	--	--	7.74	13.77	--
HA-18	1/28/2013	21.51	--	--	--	4.34	17.17	--
HA-18	8/19/2013	21.51	--	--	--	8.00	13.51	--
HA-18	11/25/2013	21.51	--	--	--	6.22	15.29	--
HA-18	2/14/2014	21.51	--	--	--	5.50	16.01	--
HA-18	5/5/2014	21.51	--	--	--	4.74	16.77	--
HA-18	8/19/2014				Decommissioned Well			
HA-19	4/2/2003	22.92	--	--	--	4.61	18.31	--
HA-19	4/4/2003	22.92	7.10	--	--	7.13	15.79	18.31
HA-19	4/8/2003	22.92	6.61	--	--	6.62	16.31	15.79
HA-19	4/11/2003	22.92	5.69	17.23	0.00	5.69	17.23	16.31
HA-19	4/15/2003	22.92	--	--	--	4.26	18.66	18.66
HA-19	4/17/2003	22.92	--	--	--	5.62	17.30	17.30
HA-19	4/22/2003	22.92	7.21	15.71	0.01	7.22	15.71	15.72
HA-19	4/25/2003	22.92	7.23	15.69	0.00	7.23	15.69	15.69
HA-19	5/2/2003	22.92	--	--	--	7.87	15.05	15.05
HA-19	5/6/2003	22.92	--	--	--	7.80	15.12	15.12
HA-19	5/9/2003	22.92	--	--	--	8.00	14.92	14.92
HA-19	5/23/2003	22.92	--	--	DRY	--	--	Dry
HA-19	5/28/2003	22.92	--	--	DRY	--	--	Dry
HA-19	6/13/2003	22.92	--	--	DRY	--	--	Dry
HA-19	6/18/2003	22.92	--	--	DRY	--	--	Dry
HA-19	6/27/2003	22.92	--	--	DRY	--	--	Dry
HA-19	7/7/2003	22.92	--	--	DRY	--	--	Dry
HA-19	7/16/2003	22.92	--	--	DRY	--	--	Dry
HA-19	7/31/2003	22.92	--	--	DRY	--	--	Dry
HA-19	8/5/2003	22.92	--	--	DRY	--	--	Dry
HA-19	8/11/2003	22.92	--	--	DRY	--	--	Dry
HA-19	8/22/2003	22.92	--	--	DRY	--	--	Dry
HA-19	8/26/2003	22.92	--	--	DRY	--	--	Dry
HA-19	9/2/2003	22.92	--	--	DRY	--	--	Dry
HA-19	9/9/2003	22.92	--	--	DRY	--	--	Dry
HA-19	9/19/2003	22.92	--	--	DRY	--	--	Dry
HA-19	10/14/2003	22.92	--	--	DRY	--	--	Dry
HA-19	11/20/2003	22.92	--	--	--	4.74	18.18	18.18
HA-19	12/3/2003	22.92	--	--	--	5.35	17.57	17.57
HA-19	1/19/2004	22.92	5.51	17.41	0.005	5.52	17.41	17.41
HA-19	2/24/2004	22.92	7.18	15.74	0.005	7.19	15.74	15.74
HA-19	3/15/2004	22.92	--	--	--	7.94	14.98	14.98
HA-19	4/19/2004	22.92	--	--	--	8.01	14.91	14.91
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

Table 5

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

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
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

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

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
HA-20	8/25/2008	23.10	--	--	--	8.34	14.76	14.76
HA-20	2/18/2009	23.10	--	--	--	7.90	15.20	15.20
HA-20	8/25/2009	23.10	--	--	--	10.30	12.80	12.80
HA-20	3/22/2010	23.10	--	--	--	8.07	15.03	15.03
HA-20	8/23/2010	23.10	--	--	--	9.67	13.43	13.43
HA-20	2/7/2011	23.10	--	--	--	0.07	23.03	--
HA-20	5/27/2011	23.10	--	--	--	7.96	15.14	--
HA-20	8/8/2011	23.10	--	--	--	9.32	13.78	--
HA-20	11/14/2011	23.10	--	--	--	9.06	14.04	--
HA-20	2/20/2012	23.10	--	--	--	7.15	15.95	--
HA-20	8/22/2012	23.10	--	--	--	9.08	14.02	--
HA-20	11/5/2012	23.10	--	--	--	8.09	15.01	--
HA-20	1/28/2013	23.10	--	--	--	6.49	16.61	--
HA-20	5/9/2013	23.10	--	--	--	7.48	15.62	--
HA-20	8/19/2013	23.10	--	--	--	9.72	13.38	--
HA-20	11/25/2013	23.10	--	--	--	8.03	15.07	--
HA-20	2/14/2014	23.10	--	--	--	7.49	15.61	--
HA-20	5/5/2014	23.10	--	--	--	6.49	16.61	--
HA-20	8/19/2014							
						Decommissioned Well		
LAI-1	1/17/2003	20.94	--	--	--	4.17	16.77	--
LAI-1	1/20/2003	20.94	--	--	--	4.18	16.76	--
LAI-1	1/31/2003	20.94	--	--	--	4.28	16.66	16.77
LAI-1	2/7/2003	20.94	4.06	16.88	0.48	4.54	16.76	16.76
LAI-1	2/12/2003	20.94	4.38	16.56	1.08	5.46	16.29	17.10
LAI-1	2/18/2003	20.94	--	--	--	5.40	15.54	15.54
LAI-1	2/21/2003	20.94	--	--	--	5.52	15.42	15.42
LAI-1	2/24/2003	20.94	--	--	--	5.96	14.98	14.98
LAI-1	3/3/2003	20.94	--	--	--	5.76	15.18	15.18
LAI-1	3/12/2003	20.94	--	--	--	5.48	15.46	15.46

Table 5

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

LAI-1	3/14/2003	20.94	--	--	--	5.09	15.85	15.85
LAI-1	3/26/2003	20.94	--	--	--	4.76	16.18	16.18
LAI-1	3/28/2003	20.94	--	--	--	4.86	16.08	16.08
LAI-1	4/2/2003	20.94	5.21	15.73	0.01	5.22	15.73	15.74
LAI-1	4/4/2003	20.94	5.19	15.75	0.01	5.20	15.75	15.76
LAI-1	4/8/2003	20.94	5.67	15.27	0.01	5.68	15.27	15.28
LAI-1	4/11/2003	20.94	5.07	15.87	0.01	5.08	15.87	15.88
LAI-1	4/15/2003	20.94	4.62	16.32	0.01	4.63	16.32	16.33
LAI-1	4/17/2003	20.94	6.14	14.80	0.01	6.15	14.80	14.81
LAI-1	4/22/2003	20.94	--	--	--	5.21	15.73	15.73
LAI-1	4/25/2003	20.94	--	--	--	5.43	15.51	15.51
LAI-1	5/2/2003	20.94	--	--	--	5.53	15.41	15.41
LAI-1	5/6/2003	20.94	--	--	--	5.66	15.28	15.28
LAI-1	5/9/2003	20.94	--	--	--	6.15	14.79	14.79
LAI-1	5/16/2003	20.94	--	--	--	6.40	14.54	14.54
LAI-1	5/23/2003	20.94	6.50	14.44	0.01	6.51	14.44	14.45
LAI-1	5/28/2003	20.94	6.45	14.49	0.01	6.46	14.49	14.50
LAI-1	6/13/2003	20.94	6.79	14.15	0.01	6.80	14.15	14.16
LAI-1	6/18/2003	20.94	--	--	--	6.78	14.16	14.16
LAI-1	6/27/2003	20.94	--	--	--	6.81	14.13	14.13
LAI-1	7/7/2003	20.94	--	--	--	7.41	13.53	13.53
LAI-1	7/16/2003	20.94	--	--	--	6.43	14.51	14.51
LAI-1	7/31/2003	20.94	--	--	--	7.49	13.45	13.45
LAI-1	8/5/2003	20.94	--	--	--	7.61	13.33	13.33
LAI-1	8/11/2003	20.94	--	--	--	8.80	12.14	12.14
LAI-1	8/22/2003	20.94	--	--	--	8.98	11.96	11.96
LAI-1	8/26/2003	20.94	--	--	--	7.91	13.03	13.03
LAI-1	9/2/2003	20.94	--	--	--	8.07	12.87	12.87
LAI-1	9/9/2003	20.94	8.39	12.55	0.01	8.40	12.55	12.56
LAI-1	9/19/2003	20.94	--	--	--	8.27	12.67	12.67
LAI-1	10/14/2003	20.94	--	--	--	8.34	12.60	12.60
LAI-1	11/20/2003	20.94	--	--	--	4.63	16.31	16.31
LAI-1	12/3/2003	20.94	--	--	--	4.10	16.84	16.84
LAI-1	1/19/2004	20.94	--	--	--	3.82	17.12	17.12
LAI-1	2/24/2004	20.94	--	--	--	5.22	15.72	15.72
LAI-1	3/15/2004	20.94	--	--	--	6.16	14.78	14.78
LAI-1	4/19/2004	20.94	--	--	--	6.29	14.65	14.65
LAI-1	5/17/2004	20.94	--	--	--	6.81	14.13	14.13
LAI-1	6/22/2004	20.94	--	--	--	6.64	14.30	14.30
LAI-1	8/18/2004	20.94	--	--	--	7.81	13.13	13.13
LAI-1	9/21/2004	20.94	--	--	--	6.90	14.04	14.04
LAI-1	10/19/2004	20.94	--	--	--	6.00	14.94	14.94
LAI-1	11/23/2004	20.94	--	--	--	6.25	14.69	14.69
LAI-1	12/21/2004	20.94	--	--	--	4.38	16.56	16.56
LAI-1	1/13/2005	20.94	--	--	--	5.22	15.72	15.72
LAI-1	4/28/2005	20.94	--	--	--	4.72	16.22	16.22
LAI-1	6/1/2005	20.94	--	--	--	4.98	15.96	15.96
LAI-1	6/29/2005	20.94	--	--	--	6.59	14.35	14.35
LAI-1	7/20/2005	20.94	--	--	--	6.77	14.17	14.17
LAI-1	8/22/2005	20.94	--	--	--	6.95	13.99	13.99
LAI-1	9/12/2005	20.94	--	--	--	7.50	13.44	13.44
LAI-1	10/12/2005	20.94	--	--	--	8.04	12.90	12.90
LAI-1	11/21/2005	20.94	--	--	--	5.89	15.05	15.05
LAI-1	12/27/2005	20.94	--	--	--	4.99	15.95	15.95
LAI-1	1/30/2006	20.94	--	--	--	2.50	18.44	18.44
LAI-1	2/16/2006	20.94	--	--	--	4.27	16.67	16.67
LAI-1	3/13/2006	20.94	--	--	--	5.07	15.87	15.87
LAI-1	4/18/2006	20.94	--	--	--	5.25	15.69	15.69
LAI-1	5/12/2006	20.94	--	--	--	5.52	15.42	15.42
LAI-1	6/9/2006	20.94	--	--	--	5.23	15.71	15.71
LAI-1	7/13/2006	20.94	--	--	--	6.20	14.74	14.74
LAI-1	8/16/2006	20.94	--	--	--	7.00	13.94	13.94
LAI-1	9/19/2006	20.94	--	--	--	7.54	13.40	13.40
LAI-1	10/13/2006	20.94	--	--	--	7.33	13.61	13.61
LAI-1	11/20/2006	20.94	--	--	--	3.62	17.32	17.32
LAI-1	12/8/2006	20.94	--	--	--	3.70	17.24	17.24
LAI-1	1/19/2007	20.94	--	--	--	3.57	17.37	17.37
LAI-1	2/19/2007	20.94	--	--	--	5.05	15.89	15.89
LAI-1	3/15/2007	20.94	--	--	--	4.50	16.44	16.44
LAI-1	4/16/2007	20.94	--	--	--	4.75	16.19	16.19
LAI-1	5/14/2007	20.94	--	--	--	4.82	16.12	16.12
LAI-1	6/29/2007	20.94	--	--	--	6.92	14.02	14.02
LAI-1	7/20/2007	20.94	--	--	--	7.22	13.72	13.72
LAI-1	8/21/2007	20.94	--	--	--	7.88	13.06	13.06
LAI-1	9/10/2007	20.94	--	--	--	7.91	13.03	13.03
LAI-1	10/22/2007	20.94	--	--	--	6.84	14.10	14.10
LAI-1	11/28/2007	20.94	--	--	--	6.11	14.83	14.83
LAI-1	12/13/2007	20.94	--	--	--	4.96	15.98	15.98
LAI-1	1/21/2008	20.94	--	--	--	5.19	15.75	15.75
LAI-1	2/24/2008	20.94	--	--	--	5.66	15.28	15.28
LAI-1	3/24/2008	20.94	--	--	--	5.90	15.04	15.04
LAI-1	8/25/2008	20.94	--	--	--	7.45	13.49	13.49
LAI-1	2/18/2009	20.94	--	--	--	5.89	15.05	15.05
LAI-1	8/25/2009	20.94	--	--	--	8.10	12.84	12.84
LAI-1	3/22/2010	20.94	--	--	--	6.10	14.84	14.84
LAI-1	8/23/2010	20.94	--	--	--	7.52	13.42	13.42
LAI-1	2/7/2011	20.94	--	--	--	4.78	16.16	--
LAI-1	5/27/2011	20.94	--	--	Not Monitored	--	--	--
LAI-1	8/8/2011	20.94	--	--	--	7.13	13.81	--
LAI-1	11/14/2011	20.94	--	--	--	8.50	12.44	--
LAI-1	2/20/2012	20.94	--	--	--	5.47	15.47	--
LAI-1	8/22/2012	20.94	--	--	--	6.91	14.03	--
LAI-1	11/5/2012	20.94	--	--	--	5.84	15.10	--
LAI-1	1/28/2013	20.94	--	--	--	4.59	16.35	--
LAI-1	5/9/2013	20.94	--	--	--	5.57	15.37	--
LAI-1	8/19/2013	20.94	--	--	--	7.55	13.39	--
LAI-1	11/25/2013	20.94	--	--	--	6.08	14.86	--
LAI-1	2/14/2014	20.94	--	--	--	5.62	15.32	--
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	--

Table 5

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

LAI-2	1/17/2003	20.89	--	--	--	4.14	16.75	--
LAI-2	1/20/2003	20.89	--	--	--	4.25	16.64	16.75
LAI-2	1/31/2003	20.89	--	--	--	4.55	16.34	16.64
LAI-2	2/7/2003	20.89	--	--	--	4.41	16.48	16.34
LAI-2	2/12/2003	20.89	--	--	--	4.71	16.18	16.18
LAI-2	2/18/2003	20.89	--	--	--	5.44	15.45	15.45
LAI-2	2/21/2003	20.89	--	--	--	5.61	15.28	15.28
LAI-2	2/24/2003	20.89	--	--	--	5.89	15.00	15.00
LAI-2	3/3/2003	20.89	--	--	--	5.17	15.72	15.72
LAI-2	3/12/2003	20.89	--	--	--	5.37	15.52	15.52
LAI-2	3/14/2003	20.89	--	--	--	5.24	15.65	15.65
LAI-2	3/26/2003	20.89	--	--	--	4.61	16.28	16.28
LAI-2	3/28/2003	20.89	--	--	--	4.72	16.17	16.17
LAI-2	4/2/2003	20.89	--	--	--	5.51	15.38	15.38
LAI-2	4/4/2003	20.89	--	--	--	5.48	15.41	15.41
LAI-2	4/8/2003	20.89	--	--	--	5.55	15.34	15.34
LAI-2	4/11/2003	20.89	--	--	--	5.19	15.70	15.70
LAI-2	4/15/2003	20.89	--	--	--	4.80	16.09	16.09
LAI-2	4/17/2003	20.89	--	--	--	5.96	14.93	14.93
LAI-2	4/22/2003	20.89	--	--	--	5.33	15.56	15.56
LAI-2	4/25/2003	20.89	--	--	--	5.49	15.40	15.40
LAI-2	5/2/2003	20.89	--	--	--	5.78	15.11	15.11
LAI-2	5/6/2003	20.89	--	--	--	5.42	15.47	15.47
LAI-2	5/9/2003	20.89	--	--	--	6.30	14.59	14.59
LAI-2	5/16/2003	20.89	--	--	--	6.54	14.35	14.35
LAI-2	5/23/2003	20.89	--	--	--	6.63	14.26	14.26
LAI-2	5/28/2003	20.89	--	--	--	6.51	14.38	14.38
LAI-2	6/13/2003	20.89	--	--	--	6.91	13.98	13.98
LAI-2	6/18/2003	20.89	--	--	--	6.86	14.03	14.03
LAI-2	6/27/2003	20.89	--	--	--	6.87	14.02	14.02
LAI-2	7/7/2003	20.89	--	--	--	7.40	13.49	13.49
LAI-2	7/16/2003	20.89	--	--	--	6.52	14.37	14.37
LAI-2	7/31/2003	20.89	--	--	--	7.48	13.41	13.41
LAI-2	8/5/2003	20.89	--	--	--	7.56	13.33	13.33
LAI-2	8/11/2003	20.89	--	--	--	8.81	12.08	12.08
LAI-2	8/22/2003	20.89	--	--	--	8.99	11.90	11.90
LAI-2	8/26/2003	20.89	--	--	--	7.86	13.03	13.03
LAI-2	9/2/2003	20.89	8.03	12.86	0.01	8.04	12.86	12.87
LAI-2	9/9/2003	20.89	--	--	--	8.46	12.43	12.43
LAI-2	9/19/2003	20.89	--	--	--	8.15	12.74	12.74
LAI-2	10/14/2003	20.89	--	--	--	8.25	12.64	12.64
LAI-2	11/20/2003	20.89	--	--	--	4.82	16.07	16.07
LAI-2	12/3/2003	20.89	--	--	--	4.13	16.76	16.76
LAI-2	1/19/2004	20.89	--	--	--	3.80	17.09	17.09
LAI-2	2/24/2004	20.89	--	--	--	5.26	15.63	15.63
LAI-2	3/15/2004	20.89	--	--	--	6.21	14.68	14.68
LAI-2	4/19/2004	20.89	--	--	--	6.31	14.58	14.58
LAI-2	5/17/2004	20.89	--	--	--	6.75	14.14	14.14
LAI-2	6/22/2004	20.89	--	--	--	6.61	14.28	14.28
LAI-2	8/18/2004	20.89	--	--	--	7.82	13.07	13.07
LAI-2	9/21/2004	20.89	--	--	--	6.81	14.08	14.08
LAI-2	10/19/2004	20.89	--	--	--	5.96	14.93	14.93
LAI-2	11/23/2004	20.89	--	--	--	6.34	14.55	14.55
LAI-2	12/21/2004	20.89	--	--	--	4.35	16.54	16.54
LAI-2	1/13/2005	20.89	--	--	--	5.15	15.74	15.74
LAI-2	4/28/2005	20.89	--	--	--	4.68	16.21	16.21
LAI-2	6/1/2005	20.89	--	--	--	4.95	15.94	15.94
LAI-2	6/29/2005	20.89	--	--	--	6.69	14.20	14.20
LAI-2	7/20/2005	20.89	--	--	--	6.80	14.09	14.09
LAI-2	8/22/2005	20.89	--	--	--	6.93	13.96	13.96
LAIx-2	9/12/2005	20.67	--	--	--	10.23	10.44	10.44
LAIx-2	10/12/2005	20.67	--	--	--	9.91	10.76	10.76
LAIx-2	11/21/2005	20.67	--	--	--	8.23	12.44	12.44
LAIx-2	12/27/2005	20.67	--	--	--	6.92	13.75	13.75
LAIx-2	1/30/2006	20.67	--	--	--	5.34	15.33	15.33
LAIx-2	2/16/2006	20.67	7.39	13.28	0.01	7.40	13.28	13.29
LAIx-2	3/13/2006	20.67	--	--	--	7.71	12.96	12.96
LAIx-2	4/18/2006	20.67	--	--	--	7.89	12.78	12.78
LAIx-2	5/12/2006	20.67	--	--	--	8.83	11.84	11.84
LAIx-2	6/9/2006	20.67	--	--	--	8.16	12.51	12.51
LAIx-2	7/13/2006	20.67	--	--	--	9.43	11.24	11.24
LAIx-2	8/16/2006	20.67	--	--	--	10.17	10.50	10.50
LAIx-2	9/19/2006	20.67	--	--	--	9.65	11.02	11.02
LAIx-2	10/13/2006	20.67	--	--	--	9.62	11.05	11.05
LAIx-2	11/20/2006	20.67	--	--	--	5.33	15.34	15.34
LAIx-2	12/8/2006	20.67	--	--	--	6.14	14.53	14.53
LAIx-2	1/19/2007	20.67	--	--	--	5.75	14.92	14.92
LAIx-2	2/19/2007	20.67	--	--	--	7.51	13.16	13.16
LAIx-2	3/15/2007	20.67	--	--	--	6.50	14.17	14.17
LAIx-2	4/16/2007	20.67	--	--	--	7.14	13.53	13.53
LAIx-2	5/14/2007	20.67	--	--	--	8.17	12.50	12.50
LAIx-2	6/29/2007	20.67	--	--	--	8.86	11.81	11.81
LAIx-2	7/20/2007	20.67	--	--	--	9.13	11.54	11.54
LAIx-2	8/21/2007	20.67	--	--	--	9.30	11.37	11.37
LAIx-2	9/10/2007	20.67	--	--	--	9.18	11.49	11.49
LAIx-2	10/22/2007	20.67	--	--	--	7.30	13.37	13.37
LAIx-2	11/28/2007	20.67	--	--	--	6.72	13.95	13.95
LAIx-2	12/13/2007	20.67	--	--	--	4.96	15.71	15.71
LAIx-2	1/21/2008	20.67	--	--	--	5.24	15.43	15.43
LAIx-2	2/24/2008	20.67	--	--	--	5.94	14.73	14.73
LAIx-2	3/24/2008	20.67	--	--	--	6.37	14.30	14.30
LAIx-2	8/25/2008	20.67	--	--	--	7.96	12.71	12.71
LAIx-2	2/18/2009	20.67	--	--	--	6.04	14.63	14.63
LAIx-2	8/25/2009	20.67	--	--	--	8.78	11.89	11.89
LAIx-2	3/22/2010	20.67	--	--	--	6.42	14.25	14.25
LAIx-2	8/23/2010	20.67	--	--	--	8.20	12.47	12.47
LAIx-2	2/7/2011	20.67	--	--	--	4.80	15.87	--
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	--

Table 5

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

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	16.04
LAI-3	2/12/2003	20.74	--	--	--	4.70	16.04	15.80
LAI-3	2/18/2003	20.74	--	--	--	5.21	15.53	15.53
LAI-3	2/21/2003	20.74	--	--	--	5.58	15.16	15.16
LAI-3	2/24/2003	20.74	--	--	--	5.66	15.08	15.08
LAI-3	3/3/2003	20.74	--	--	--	5.13	15.61	15.61
LAI-3	3/12/2003	20.74	--	--	--	5.32	15.42	15.42
LAI-3	3/14/2003	20.74	--	--	--	5.16	15.58	15.58
LAI-3	3/26/2003	20.74	--	--	--	4.65	16.09	16.09
LAI-3	3/28/2003	20.74	--	--	--	4.75	15.99	15.99
LAI-3	4/2/2003	20.74	--	--	--	5.57	15.17	15.17
LAI-3	4/4/2003	20.74	--	--	--	5.53	15.21	15.21
LAI-3	4/8/2003	20.74	--	--	--	5.69	15.05	15.05
LAI-3	4/11/2003	20.74	--	--	--	5.15	15.59	15.59
LAI-3	4/15/2003	20.74	--	--	--	4.75	15.99	15.99
LAI-3	4/17/2003	20.74	--	--	--	6.08	14.66	14.66
LAI-3	4/22/2003	20.74	--	--	--	5.27	15.47	15.47
LAI-3	4/25/2003	20.74	--	--	--	5.45	15.29	15.29
LAI-3	5/2/2003	20.74	--	--	--	5.76	14.98	14.98
LAI-3	5/6/2003	20.74	--	--	--	5.61	15.13	15.13
LAI-3	5/9/2003	20.74	--	--	--	6.30	14.44	14.44
LAI-3	5/16/2003	20.74	--	--	--	6.53	14.21	14.21
LAI-3	5/23/2003	20.74	--	--	--	6.57	14.17	14.17
LAI-3	5/28/2003	20.74	--	--	--	6.44	14.30	14.30
LAI-3	6/13/2003	20.74	--	--	--	6.85	13.89	13.89
LAI-3	6/18/2003	20.74	--	--	--	6.81	13.93	13.93
LAI-3	6/27/2003	20.74	--	--	--	6.83	13.91	13.91
LAI-3	7/7/2003	20.74	--	--	--	7.32	13.42	13.42
LAI-3	7/16/2003	20.74	--	--	--	6.47	14.27	14.27
LAI-3	7/31/2003	20.74	--	--	--	7.37	13.37	13.37
LAI-3	8/5/2003	20.74	--	--	--	7.49	13.25	13.25
LAI-3	8/11/2003	20.74	--	--	--	7.68	13.06	13.06
LAI-3	8/22/2003	20.74	--	--	--	8.74	12.00	12.00
LAI-3	8/26/2003	20.74	--	--	--	7.74	13.00	13.00
LAI-3	9/2/2003	20.74	--	--	--	8.03	12.71	12.71
LAI-3	9/9/2003	20.74	--	--	--	8.45	12.29	12.29
LAI-3	9/19/2003	20.74	--	--	--	8.10	12.64	12.64
LAI-3	10/14/2003	20.74	--	--	--	8.20	12.54	12.54
LAI-3	11/20/2003	20.74	--	--	--	4.77	15.97	15.97
LAI-3	12/3/2003	20.74	--	--	--	4.08	16.66	16.66
LAI-3	1/19/2004	20.74	--	--	--	3.55	17.19	17.19
LAI-3	2/24/2004	20.74	--	--	--	5.23	15.51	15.51
LAI-3	3/15/2004	20.74	--	--	--	6.20	14.54	14.54
LAI-3	4/19/2004	20.74	--	--	--	6.21	14.53	14.53
LAI-3	5/17/2004	20.74	--	--	--	6.66	14.08	14.08
LAI-3	6/22/2004	20.74	--	--	--	6.46	14.28	14.28
LAI-3	8/18/2004	20.74	--	--	--	7.76	12.98	12.98
LAI-3	9/21/2004	20.74	--	--	--	6.70	14.04	14.04
LAI-3	10/19/2004	20.74	--	--	--	5.82	14.92	14.92
LAI-3	11/23/2004	20.74	--	--	--	6.14	14.60	14.60
LAI-3	12/21/2004	20.74	--	--	--	4.22	16.52	16.52
LAI-3	1/13/2005	20.74	--	--	--	5.03	15.71	15.71
LAI-3	4/28/2005	20.74	--	--	--	4.55	16.19	16.19
LAI-3	6/1/2005	20.74	--	--	--	4.86	15.88	15.88
LAI-3	6/29/2005	20.74	--	--	--	6.69	14.05	14.05
LAI-3	7/20/2005	20.74	--	--	--	6.71	14.03	14.03
LAI-3	8/22/2005	20.74	--	--	--	6.82	13.92	13.92
LAI-3	5/27/2011	20.74			Not Monitored			
LAIx-3	9/12/2005	20.74	--	--	--	10.31	10.43	10.43
LAIx-3	10/12/2005	20.74	--	--	--	9.99	10.75	10.75
LAIx-3	11/21/2005	20.74	8.31	12.43	0.01	8.32	12.43	12.44
LAIx-3	12/27/2005	20.74	--	--	--	7.15	13.59	13.59
LAIx-3	1/30/2006	20.74	6.00	14.74	0.01	6.01	14.74	14.75
LAIx-3	2/16/2006	20.74	--	--	--	7.85	12.89	12.89
LAIx-3	3/13/2006	20.74	--	--	--	8.18	12.56	12.56
LAIx-3	4/18/2006	20.74	--	--	--	8.36	12.38	12.38
LAIx-3	5/12/2006	20.74	--	--	--	8.87	11.87	11.87
LAIx-3	6/9/2006	20.74	--	--	--	8.65	12.09	12.09
LAIx-3	7/13/2006	20.74	--	--	--	9.90	10.84	10.84
LAIx-3	8/16/2006	20.74	--	--	--	10.63	10.11	10.11
LAIx-3	9/19/2006	20.74	--	--	--	10.25	10.49	10.49
LAIx-3	10/13/2006	20.74	--	--	--	10.28	10.46	10.46
LAIx-3	11/20/2006	20.74	--	--	--	7.14	13.60	13.60
LAIx-3	12/8/2006	20.74	--	--	--	7.84	12.90	12.90
LAIx-3	1/19/2007	20.74	--	--	--	7.61	13.13	13.13
LAIx-3	2/19/2007	20.74	--	--	--	7.86	12.88	12.88
LAIx-3	3/15/2007	20.74	--	--	--	7.34	13.40	13.40
LAIx-3	4/16/2007	20.74	--	--	--	7.86	12.88	12.88
LAIx-3	5/14/2007	20.74	--	--	--	8.61	12.13	12.13
LAIx-3	6/29/2007	20.74	--	--	--	9.27	11.47	11.47
LAIx-3	7/20/2007	20.74	--	--	--	9.59	11.15	11.15
LAIx-3	8/21/2007	20.74	--	--	--	9.80	10.94	10.94
LAIx-3	9/10/2007	20.74	--	--	--	9.92	10.82	10.82
LAIx-3	10/22/2007	20.74	--	--	--	8.48	12.26	12.26
LAIx-3	11/28/2007	20.74	--	--	--	8.10	12.64	12.64
LAIx-3	12/13/2007	20.74	--	--	--	6.13	14.61	14.61
LAIx-3	1/21/2008	20.74	--	--	--	6.73	14.01	14.01

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

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
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



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

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

Table 5

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

LAIx-5	7/13/2006	25.63	13.10	12.53	0.15	13.25	12.49	12.61
LAIx-5	8/16/2006	25.63	--	--	--	13.80	11.83	11.83
LAIx-5	9/19/2006	25.63	--	--	--	14.35	11.28	11.28
LAIx-5	10/13/2006	25.63	--	--	--	13.80	11.83	11.83
LAIx-5	11/20/2006	25.63	9.82	15.81	0.27	10.09	15.74	15.95
LAIx-5	12/8/2006	25.63	9.92	15.71	0.80	10.72	15.51	16.11
LAIx-5	1/19/2007	25.63	8.94	16.69	1.31	10.25	16.36	17.35
LAIx-5	2/19/2007	25.63	10.04	15.59	0.25	10.29	15.53	15.72
LAIx-5	3/15/2007	25.63	9.29	16.34	0.25	9.54	16.28	16.47
LAIx-5	4/16/2007	25.63	10.46	15.17	0.16	10.62	15.13	15.25
LAIx-5	5/14/2007	25.63	11.63	14.00	0.02	11.65	14.00	14.01
LAIx-5	6/29/2007	25.63	--	--	--	11.88	13.75	13.75
LAIx-5	7/20/2007	25.63	--	--	--	12.59	13.04	13.04
LAIx-5	8/21/2007	25.63	--	--	--	13.18	12.45	12.45
LAIx-5	9/10/2007	25.63	--	--	--	15.47	10.16	10.16
LAIx-5	10/22/2007	25.63	--	--	--	11.95	13.68	13.68
LAIx-5	11/28/2007	25.63	--	--	--	11.37	14.26	14.26
LAIx-5	12/13/2007	25.63	10.82	14.81	0.13	10.95	14.78	14.88
LAIx-5	1/21/2008	25.63	--	--	--	11.68	13.95	13.95
LAIx-5	2/24/2008	25.63	--	--	--	10.13	15.50	15.50
LAIx-5	3/24/2008	25.63	--	--	--	11.11	14.52	14.52
LAIx-5	8/25/2008	25.63	--	--	--	12.30	13.33	13.33
LAIx-5	2/18/2009	25.63	--	--	--	10.65	14.98	14.98
LAIx-5	8/25/2009	25.63	--	--	--	12.92	12.71	12.71
LAIx-5	3/22/2010	25.63	10.79	14.84	0.01	10.80	14.84	14.86
LAIx-5	8/23/2010	25.63	--	--	DRY	--	--	--
LAIx-5	2/7/2011	25.63	9.80	--	0.05	9.85	15.82	--
LAIx-5	5/27/2011	25.63	--	--	Not Monitored	--	--	--
LAIx-5	11/14/2016	25.63	--	--	--	8.83	16.80	--
LAIx-5	2/17/2017	25.63	--	--	--	7.82	17.81	18.08
LAIx-5	5/24/2017	25.63	--	--	--	8.83	16.80	18.34
LAIx-5	9/26/2017	25.63	--	--	--	11.46	14.17	18.54
LAIx-5	9/28/2017	--	--	--	--	--	--	--
LAIx-5	12/11/2017	25.63	--	--	--	7.02	18.61	--
LAIx-5	2/26/2018	25.63	--	--	--	7.87	17.76	--
LAIx-5	6/11/2018	25.63	--	--	--	10.99	14.64	--
LAIx-5	8/27/2018	25.63	--	--	--	11.78	13.85	--
LAIx-5	12/17/2018	25.63	--	--	--	7.18	18.45	--
LAI-6	1/22/2003	22.86	6.67	16.19	3.78	10.45	15.25	--
LAI-6	1/23/2003	22.86	6.45	16.41	3.85	10.30	15.45	--
LAI-6	1/24/2003	22.86	6.32	16.54	4.00	10.32	15.54	--
LAI-6	1/27/2003	22.86	5.68	17.18	3.37	9.05	16.34	18.87
LAI-6	1/28/2003	22.86	6.91	15.95	0.93	7.84	15.72	16.42
LAI-6	1/29/2003	22.86	6.51	16.35	2.53	9.04	15.72	17.62
LAI-6	1/30/2003	22.86	6.36	16.50	3.60	9.96	15.60	18.30
LAI-6	2/3/2003	22.86	6.27	16.59	3.69	9.96	15.67	18.44
LAI-6	2/6/2003	22.86	5.79	17.07	3.79	9.58	16.12	18.97
LAI-6	2/11/2003	22.86	6.03	16.83	3.61	9.64	15.93	18.64
LAI-6	2/18/2003	22.86	7.98	14.88	0.42	8.40	14.78	15.09
LAI-6	2/21/2003	22.86	7.57	15.29	0.54	8.11	15.16	15.56
LAI-6	2/26/2003	22.86	7.15	15.71	0.47	7.62	15.59	15.95
LAI-6	3/3/2003	22.86	8.01	14.85	0.45	8.46	14.74	15.08
LAI-6	3/12/2003	22.86	7.46	15.40	0.23	7.69	15.34	15.52
LAI-6	3/14/2003	22.86	7.72	15.14	0.19	7.91	15.09	15.24
LAI-6	3/26/2003	22.86	6.37	16.49	1.45	7.82	16.13	17.22
LAI-6	3/28/2003	22.86	7.10	15.76	1.65	8.75	15.35	16.59
LAI-6	4/2/2003	22.86	6.65	16.21	2.15	8.80	15.67	17.29
LAI-6	4/4/2003	22.86	7.06	15.80	1.74	8.80	15.37	16.67
LAI-6	4/8/2003	22.86	7.13	15.73	1.70	8.83	15.31	16.58
LAI-6	4/11/2003	22.86	7.22	15.64	0.88	8.10	15.42	16.08
LAI-6	4/15/2003	22.86	6.56	16.30	1.82	8.38	15.85	17.21
LAI-6	4/17/2003	22.86	7.61	15.25	1.74	9.35	14.82	16.12
LAI-6	4/22/2003	22.86	7.16	15.70	1.65	8.81	15.29	16.53
LAI-6	4/25/2003	22.86	7.70	15.16	0.83	8.53	14.95	15.58
LAI-6	5/2/2003	22.86	7.61	15.25	1.65	9.26	14.84	16.08
LAI-6	5/6/2003	22.86	8.45	14.41	0.99	9.44	14.16	14.91
LAI-6	5/9/2003	22.86	8.00	14.86	1.95	9.95	14.37	15.84
LAI-6	5/23/2003	22.86	8.41	14.45	2.00	10.41	13.95	15.45
LAI-6	5/28/2003	22.86	8.23	14.63	1.78	10.01	14.19	15.52
LAI-6	6/13/2003	22.86	8.50	14.36	2.11	10.61	13.83	15.42
LAI-6	6/18/2003	22.86	8.46	14.40	2.10	10.56	13.88	15.45
LAI-6	6/27/2003	22.86	9.91	12.95	0.77	10.68	12.76	13.34
LAI-6	7/7/2003	22.86	8.98	13.88	2.08	11.06	13.36	14.92
LAI-6	7/16/2003	22.86	8.75	14.11	2.20	10.95	13.56	15.21
LAI-6	7/31/2003	22.86	9.14	13.72	2.06	11.20	13.21	14.75
LAI-6	8/5/2003	22.86	9.15	13.71	2.01	11.16	13.21	14.72
LAI-6	8/11/2003	22.86	10.24	12.62	1.97	12.21	12.13	13.61
LAI-6	8/22/2003	22.86	10.45	12.41	1.90	12.35	11.94	13.36
LAI-6	8/26/2003	22.86	9.78	13.08	0.02	9.80	13.08	13.09
LAI-6	9/2/2003	22.86	10.13	12.73	0.90	11.03	12.51	13.18
LAI-6	9/9/2003	22.86	10.48	12.38	0.79	11.27	12.18	12.78
LAI-6	9/19/2003	22.86	10.44	12.42	0.61	11.05	12.27	12.73
LAI-6	10/14/2003	22.86	9.11	13.75	0.91	10.02	13.52	14.21
LAI-6	11/20/2003	22.86	7.22	15.64	0.01	7.23	15.64	15.65
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

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

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

Table 5

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

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
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

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

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
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

Table 5

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

LAI-9	9/9/2003	23.93	11.12	12.81	0.51	11.63	12.68	13.07
LAI-9	9/19/2003	23.93	10.89	13.04	1.58	12.47	12.65	13.83
LAI-9	10/14/2003	23.93	11.75	12.18	1.07	12.82	11.91	12.72
LAI-9	11/20/2003	23.93	--	--	--	8.05	15.88	15.88
LAI-9	12/3/2003	23.93	7.21	16.72	0.01	7.22	16.72	16.73
LAI-9	1/19/2004	23.93	6.83	17.10	0.01	6.84	17.10	17.11
LAI-9	2/24/2004	23.93	--	--	--	8.11	15.82	15.82
LAI-9	3/15/2004	23.93	--	--	--	9.08	14.85	14.85
LAI-9	4/19/2004	23.93	--	--	--	8.85	15.08	15.08
LAI-9	5/17/2004	23.93	--	--	--	9.91	14.02	14.02
LAI-9	8/18/2004	23.93	--	--	--	11.10	12.83	12.83
LAI-9	8/18/2004	23.93	--	--	--	11.10	12.83	12.83
LAI-9	9/21/2004	23.93	10.91	13.02	0.53	11.44	12.89	13.29
LAI-9	10/19/2004	23.93	8.92	9.35	0.43	9.35	14.90	15.23
LAI-9	11/23/2004	23.93	9.03	14.90	0.31	9.34	14.82	15.06
LAI-9	12/21/2004	23.93	7.44	16.49	0.02	7.46	16.49	16.50
LAI-9	1/13/2005	23.93	--	--	--	8.19	15.74	15.74
LAI-9	4/28/2005	23.93	--	--	--	7.73	16.20	16.20
LAI-9	6/1/2005	23.93	--	--	--	8.10	15.83	15.83
LAI-9	6/29/2005	23.93	--	--	--	9.77	14.16	14.16
LAI-9	7/20/2005	23.93	--	--	--	10.10	13.83	13.83
LAI-9	8/22/2005	23.93	--	--	--	9.96	13.97	13.97
LAI-9	5/27/2011	23.93	--	--	Not Monitored	--	--	--
LAIx-9	9/12/2005	25.55	--	--	--	14.13	11.42	11.42
LAIx-9	10/12/2005	25.55	--	--	--	14.79	10.76	10.76
LAIx-9	11/21/2005	25.55	--	--	--	12.98	12.57	12.57
LAIx-9	12/27/2005	25.55	--	--	--	11.42	14.13	14.13
LAIx-9	1/30/2006	25.55	--	--	--	10.27	15.28	15.28
LAIx-9	2/16/2006	25.55	12.35	13.20	0.03	12.38	13.19	13.22
LAIx-9	3/13/2006	25.55	--	--	--	12.78	12.77	12.77
LAIx-9	4/18/2006	25.55	--	--	--	12.34	13.21	13.21
LAIx-9	5/12/2006	25.55	--	--	--	13.33	12.22	12.22
LAIx-9	6/9/2006	25.55	--	--	--	12.86	12.69	12.69
LAIx-9	7/13/2006	25.55	14.48	11.07	0.06	14.57	11.03	11.07
LAIx-9	8/16/2006	25.55	--	--	--	15.30	10.25	10.25
LAIx-9	9/19/2006	25.55	--	--	--	14.98	10.57	10.57
LAIx-9	10/13/2006	25.55	--	--	--	15.01	10.54	10.54
LAIx-9	11/20/2006	25.55	--	--	--	11.77	13.78	13.78
LAIx-9	12/8/2006	25.55	11.72	13.83	0.06	11.78	13.82	13.86
LAIx-9	1/19/2007	25.55	11.24	14.31	0.04	11.28	14.30	14.33
LAIx-9	2/19/2007	25.55	12.23	13.32	0.04	12.27	13.31	13.34
LAIx-9	3/15/2007	25.55	12.55	13.00	0.05	12.60	12.99	13.03
LAIx-9	4/16/2007	25.55	12.30	13.25	0.03	12.33	13.24	13.27
LAIx-9	5/14/2007	25.55	--	--	--	13.41	12.14	12.14
LAIx-9	6/29/2007	25.55	--	--	--	13.92	11.63	11.63
LAIx-9	7/20/2007	25.55	--	--	--	14.34	11.21	11.21
LAIx-9	8/21/2007	25.55	--	--	--	14.25	11.30	11.30
LAIx-9	9/10/2007	25.55	--	--	--	14.52	11.03	11.03
LAIx-9	10/22/2007	25.55	--	--	--	13.31	12.24	12.24
LAIx-9	11/28/2007	25.55	--	--	--	12.50	13.05	13.05
LAIx-9	12/13/2007	25.55	--	--	--	11.40	14.15	14.15
LAIx-9	1/21/2008	25.55	--	--	--	8.61	16.94	16.94
LAIx-9	2/24/2008	25.55	--	--	--	12.30	13.25	13.25
LAIx-9	3/24/2008	25.55	--	--	--	12.06	13.49	13.49
LAIx-9	8/25/2008	25.55	--	--	--	13.30	12.25	12.25
LAIx-9	2/18/2009	25.55	--	--	Dry	--	--	Dry
LAIx-9	8/25/2009	25.55	--	--	--	14.23	11.32	11.32
LAIx-9	3/22/2010	25.55	--	--	--	12.25	13.30	13.30
LAIx-9	8/23/2010	25.55	--	--	Dry	--	--	--
LAIx-9	2/7/2011	25.55	--	--	--	11.71	13.84	--
LAIx-9	5/27/2011	25.55	--	--	Not Monitored	--	--	--
LAIx-9	11/14/2016	25.55	--	--	--	9.75	15.80	--
LAIx-9	2/16/2017	25.55	--	--	--	8.57	16.98	15.53
LAIx-9	5/24/2017	25.55	--	--	--	8.28	17.27	15.94
LAIx-9	9/26/2017	25.55	--	--	--	11.83	13.72	15.36
LAIx-9	12/11/2017	25.55	--	--	--	7.50	18.05	--
LAIx-9	2/26/2018	25.55	--	--	--	8.38	17.17	--
LAIx-9	6/11/2018	25.55	--	--	--	11.01	14.54	--
LAIx-9	8/27/2018	25.55	--	--	--	13.03	12.52	--
LAIx-9	12/17/2018	25.55	--	--	--	7.82	17.73	--
LAI-10	1/31/2003	19.87	--	--	--	4.34	15.53	--
LAI-10	2/12/2003	19.87	--	--	--	3.93	15.94	--
LAI-10	2/18/2003	19.87	--	--	--	4.51	15.36	--
LAI-10	2/21/2003	19.87	--	--	--	4.50	15.37	15.37
LAI-10	2/24/2003	19.87	--	--	--	4.48	15.39	15.39
LAI-10	3/3/2003	19.87	--	--	--	4.38	15.49	15.49
LAI-10	3/12/2003	19.87	--	--	--	4.31	15.56	15.56
LAI-10	3/14/2003	19.87	--	--	--	4.08	15.79	15.79
LAI-10	3/26/2003	19.87	--	--	--	4.78	15.09	15.09
LAI-10	3/28/2003	19.87	--	--	--	4.82	15.05	15.05
LAI-10	4/2/2003	19.87	--	--	--	4.25	15.62	15.62
LAI-10	4/4/2003	19.87	--	--	--	4.21	15.66	15.66
LAI-10	4/8/2003	19.87	--	--	--	4.50	15.37	15.37
LAI-10	4/11/2003	19.87	--	--	--	4.48	15.39	15.39
LAI-10	4/15/2003	19.87	--	--	--	4.09	15.78	15.78
LAI-10	4/17/2003	19.87	--	--	--	4.50	15.37	15.37
LAI-10	4/22/2003	19.87	--	--	--	4.45	15.42	15.42
LAI-10	4/25/2003	19.87	--	--	--	4.58	15.29	15.29
LAI-10	5/2/2003	19.87	--	--	--	4.23	15.64	15.64
LAI-10	5/6/2003	19.87	--	--	--	4.86	15.01	15.01
LAI-10	5/9/2003	19.87	--	--	--	5.10	14.77	14.77
LAI-10	5/16/2003	19.87	--	--	--	5.38	14.49	14.49
LAI-10	5/23/2003	19.87	--	--	--	6.50	13.37	13.37
LAI-10	5/28/2003	19.87	--	--	--	5.55	14.32	14.32
LAI-10	6/13/2003	19.87	--	--	--	6.17	13.70	13.70
LAI-10	6/18/2003	19.87	--	--	--	5.86	14.01	14.01
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

Table 5

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

LAI-10	8/5/2003	19.87	--	--	--	6.68	13.19	13.19
LAI-10	8/11/2003	19.87	--	--	--	7.15	12.72	12.72
LAI-10	8/22/2003	19.87	--	--	--	8.68	11.19	11.19
LAI-10	8/26/2003	19.87	--	--	--	7.03	12.84	12.84
LAI-10	9/2/2003	19.87	--	--	--	7.15	12.72	12.72
LAI-10	9/9/2003	19.87	7.33	12.54	0.01	7.34	12.54	12.55
LAI-10	9/19/2003	19.87	--	--	--	7.37	12.50	12.50
LAI-10	10/14/2003	19.87	--	--	--	7.75	12.12	12.12
LAI-10	11/20/2003	19.87	--	--	--	4.48	15.39	15.39
LAI-10	12/3/2003	19.87	--	--	--	3.58	16.29	16.29
LAI-10	1/19/2004	19.87	--	--	--	3.29	16.58	16.58
LAI-10	2/24/2004	19.87	--	--	--	4.16	15.71	15.71
LAI-10	3/15/2004	19.87	--	--	--	5.01	14.86	14.86
LAI-10	4/19/2004	19.87	--	--	--	5.30	14.57	14.57
LAI-10	5/17/2004	19.87	--	--	--	5.79	14.08	14.08
LAI-10	6/22/2004	19.87	--	--	--	5.71	14.16	14.16
LAI-10	8/18/2004	19.87	6.71	13.16	0.01	6.72	13.16	13.17
LAI-10	9/21/2004	19.87	--	--	--	6.10	13.77	13.77
LAI-10	10/19/2004	19.87	--	--	--	5.23	14.64	14.64
LAI-10	11/23/2004	19.87	--	--	--	5.45	14.42	14.42
LAI-10	12/21/2004	19.87	--	--	--	3.99	15.88	15.88
LAI-10	1/13/2005	19.87	--	--	--	4.64	15.23	15.23
LAI-10	4/28/2005	19.87	--	--	--	4.23	15.64	15.64
LAI-10	6/1/2005	19.87	4.40	13.52	0.03	4.43	15.46	15.46
LAI-10	6/29/2005	19.87	--	--	--	5.45	14.42	14.42
LAI-10	7/20/2005	19.87	--	--	--	5.75	14.12	14.12
LAI-10	8/22/2005	19.87	6.22	13.65	0.01	6.23	13.65	13.66
LAI-10	9/12/2005	19.87	6.62	13.25	0.01	6.61	13.27	13.28
LAI-10	10/12/2005	19.87	--	--	--	7.11	12.76	12.76
LAI-10	11/21/2005	19.87	5.08	14.79	0.01	5.09	14.79	14.80
LAI-10	12/27/2005	19.87	--	--	--	4.14	15.73	15.73
LAI-10	1/30/2006	19.87	--	--	--	2.45	17.42	17.42
LAI-10	2/16/2006	19.87	--	--	--	3.62	16.25	16.25
LAI-10	3/13/2006	19.87	--	--	--	4.37	15.50	15.50
LAI-10	4/18/2006	19.87	--	--	--	4.51	15.36	15.36
LAI-10	5/12/2006	19.87	--	--	--	4.82	15.05	15.05
LAI-10	6/9/2006	19.87	--	--	--	4.57	15.30	15.30
LAI-10	7/13/2006	19.87	--	--	--	5.41	14.46	14.46
LAI-10	8/16/2006	19.87	--	--	--	6.15	13.72	13.72
LAI-10	9/19/2006	19.87	--	--	--	5.80	14.07	14.07
LAI-10	10/13/2006	19.87	--	--	--	6.60	13.27	13.27
LAI-10	11/20/2006	19.87	--	--	--	3.16	16.71	16.71
LAI-10	12/8/2006	19.87	--	--	--	3.29	16.58	16.58
LAI-10	1/19/2007	19.87	--	--	--	3.39	16.48	16.48
LAI-10	2/19/2007	19.87	--	--	--	4.37	15.50	15.50
LAI-10	3/15/2007	19.87	--	--	--	3.90	15.97	15.97
LAI-10	4/16/2007	19.87	--	--	--	4.20	15.67	15.67
LAI-10	5/14/2007	19.87	--	--	--	5.07	14.80	14.80
LAI-10	6/29/2007	19.87	--	--	--	6.06	13.81	13.81
LAI-10	7/20/2007	19.87	--	--	--	6.32	13.55	13.55
LAI-10	8/21/2007	19.87	--	--	--	7.81	12.06	12.06
LAI-10	9/10/2007	19.87	--	--	--	6.92	12.95	12.95
LAI-10	10/22/2007	19.87	--	--	--	5.99	13.88	13.88
LAI-10	11/28/2007	19.87	--	--	--	4.95	14.92	14.92
LAI-10	12/13/2007	19.87	--	--	--	4.32	15.55	15.55
LAI-10	1/21/2008	19.87	--	--	--	4.49	15.38	15.38
LAI-10	2/24/2008	19.87	--	--	--	4.89	14.98	14.98
LAI-10	3/24/2008	19.87	--	--	--	4.96	14.91	14.91
LAI-10	8/25/2008	19.87	--	--	--	5.63	14.24	14.24
LAI-10	2/18/2009	19.87	--	--	--	5.10	14.77	14.77
LAI-10	8/25/2009	19.87	--	--	--	7.22	12.65	12.65
LAI-10	3/22/2010	19.87	--	--	--	4.90	14.97	14.97
LAI-10	8/23/2010	19.87	--	--	--	6.34	13.53	13.53
LAI-10	2/7/2011	19.87	--	--	--	4.21	15.66	--
LAI-10	5/27/2011	19.87	--	--	--	4.78	15.09	--
LAI-10	8/8/2011	19.87	--	--	--	8.15	11.72	--
LAI-10	11/14/2011	19.87	--	--	--	5.73	14.14	--
LAI-10	2/20/2012	19.87	--	--	--	4.25	15.62	--
LAI-10	8/22/2012	19.87	--	--	--	6.09	13.78	--
LAI-10	11/5/2012	19.87	--	--	--	5.43	14.44	--
LAI-10	1/28/2013	19.87	--	--	--	3.89	15.98	--
LAI-10	5/9/2013	19.87	--	--	--	4.54	15.33	--
LAI-10	8/19/2013	19.87	--	--	--	6.69	13.18	--
LAI-10	11/25/2013	19.87	--	--	--	4.91	14.96	--
LAI-10	2/14/2014	19.87	--	--	--	3.48	16.39	--
LAI-10	5/5/2014	19.87	--	--	--	3.37	16.50	--
LAI-10	8/19/2014	19.87	--	--	--	6.47	13.40	--
LAI-10	11/21/2014	19.87	--	--	--	3.75	16.12	--
LAI-11	1/31/2003	20.61	--	--	--	4.55	16.06	--
LAI-11	2/12/2003	20.61	--	--	--	4.92	15.69	16.06
LAI-11	2/18/2003	20.61	--	--	--	5.41	15.20	15.69
LAI-11	2/21/2003	20.61	--	--	--	5.51	15.10	15.20
LAI-11	2/24/2003	20.61	--	--	--	5.48	15.13	15.13
LAI-11	3/3/2003	20.61	--	--	--	5.38	15.23	15.23
LAI-11	3/12/2003	20.61	--	--	--	5.32	15.29	15.29
LAI-11	3/14/2003	20.61	--	--	--	5.19	15.42	15.42
LAI-11	3/26/2003	20.61	--	--	--	4.81	15.80	15.80
LAI-11	3/28/2003	20.61	--	--	--	4.89	15.72	15.72
LAI-11	4/2/2003	20.61	--	--	--	5.28	15.33	15.33
LAI-11	4/4/2003	20.61	--	--	--	5.33	15.28	15.28
LAI-11	4/8/2003	20.61	--	--	--	5.41	15.20	15.20
LAI-11	4/11/2003	20.61	--	--	--	5.42	15.19	15.19
LAI-11	4/15/2003	20.61	--	--	--	5.08	15.53	15.53
LAI-11	4/17/2003	20.61	--	--	--	5.46	15.15	15.15
LAI-11	4/22/2003	20.61	--	--	--	5.47	15.14	15.14
LAI-11	4/25/2003	20.61	--	--	--	5.67	14.94	14.94
LAI-11	5/2/2003	20.61	--	--	--	5.12	15.49	15.49
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

Table 5

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

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
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



Table 5

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

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
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

Table 5

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

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	--
LAI-13	9/16/2020	21.53	--	--	--	8.15	13.38	--
LAI-13	3/16/2021	21.53	--	--	--	5.09	16.44	--

Table 5

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

LAI-13	9/16/2021	21.53	--	--	--	8.36	13.17
LAI-13	9/1/2022	21.53	--	--	--	7.81	13.72
LAI-13	2/20/2023	21.53	--	--	--	--	--
LAI-14	1/31/2003	21.69	--	--	--	6.12	15.57
LAI-14	2/12/2003	21.69	--	--	--	7.11	14.58
LAI-14	2/18/2003	21.69	--	--	--	7.17	14.52
LAI-14	2/21/2003	21.69	--	--	--	7.25	14.44
LAI-14	2/24/2003	21.69	--	--	--	7.25	14.44
LAI-14	3/3/2003	21.69	--	--	--	7.50	14.19
LAI-14	3/12/2003	21.69	--	--	--	7.40	14.29
LAI-14	3/14/2003	21.69	--	--	--	7.23	14.46
LAI-14	3/26/2003	21.69	--	--	--	7.04	14.65
LAI-14	3/28/2003	21.69	--	--	--	7.07	14.62
LAI-14	4/2/2003	21.69	--	--	--	7.00	14.69
LAI-14	4/4/2003	21.69	--	--	--	7.24	14.45
LAI-14	4/8/2003	21.69	--	--	--	7.41	14.28
LAI-14	4/11/2003	21.69	--	--	--	7.36	14.33
LAI-14	4/15/2003	21.69	--	--	--	7.34	14.35
LAI-14	4/17/2003	21.69	--	--	--	7.39	14.30
LAI-14	4/22/2003	21.69	--	--	--	7.53	14.16
LAI-14	4/25/2003	21.69	--	--	--	7.62	14.07
LAI-14	5/2/2003	21.69	--	--	--	7.20	14.49
LAI-14	5/6/2003	21.69	--	--	--	7.82	13.87
LAI-14	5/9/2003	21.69	--	--	--	7.86	13.83
LAI-14	5/16/2003	21.69	--	--	--	8.00	13.69
LAI-14	5/23/2003	21.69	--	--	--	8.03	13.66
LAI-14	5/28/2003	21.69	--	--	--	8.14	13.55
LAI-14	6/13/2003	21.69	--	--	--	8.30	13.39
LAI-14	6/18/2003	21.69	--	--	--	8.33	13.36
LAI-14	6/27/2003	21.69	--	--	--	8.35	13.34
LAI-14	7/7/2003	21.69	--	--	--	8.65	13.04
LAI-14	7/16/2003	21.69	--	--	--	7.83	13.86
LAI-14	7/31/2003	21.69	--	--	--	8.41	13.28
LAI-14	8/5/2003	21.69	--	--	--	8.73	12.96
LAI-14	8/11/2003	21.69	--	--	--	8.80	12.89
LAI-14	8/22/2003	21.69	--	--	--	9.89	11.80
LAI-14	8/26/2003	21.69	--	--	--	9.04	12.65
LAI-14	9/2/2003	21.69	--	--	--	9.07	12.62
LAI-14	9/9/2003	21.69	--	--	--	9.14	12.55
LAI-14	9/19/2003	21.69	--	--	--	9.14	12.55
LAI-14	10/14/2003	21.69	--	--	--	9.30	12.39
LAI-14	11/20/2003	21.69	--	--	--	6.59	15.10
LAI-14	12/3/2003	21.69	--	--	--	6.53	15.16
LAI-14	1/19/2004	21.69	--	--	--	6.45	15.24
LAI-14	2/24/2004	21.69	--	--	--	7.03	14.66
LAI-14	3/15/2004	21.69	--	--	--	7.52	14.17
LAI-14	4/19/2004	21.69	--	--	--	8.03	13.66
LAI-14	5/17/2004	21.69	--	--	--	8.32	13.37
LAI-14	6/22/2004	21.69	--	--	--	8.26	13.43
LAI-14	8/18/2004	21.69	--	--	--	8.86	12.83
LAI-14	9/21/2004	21.69	--	--	--	8.00	13.69
LAI-14	10/19/2004	21.69	--	--	--	8.00	13.69
LAI-14	11/23/2004	21.69	--	--	--	8.00	13.69
LAI-14	12/21/2004	21.69	--	--	--	7.11	14.58
LAI-14	1/13/2005	21.69	--	--	--	7.68	14.01
LAI-14	4/28/2005	21.69	--	--	--	7.47	14.22
LAI-14	6/1/2005	21.69	--	--	--	7.58	14.11
LAI-14	6/29/2005	21.69	--	--	--	8.02	13.67
LAI-14	7/20/2005	21.69	8.23	13.46	0.01	8.24	13.46
LAI-14	8/22/2005	21.69	--	--	--	8.50	13.19
LAI-14	9/12/2005	21.69	--	--	--	8.63	13.06
LAI-14	10/12/2005	21.69	--	--	--	8.86	12.83
LAI-14	11/21/2005	21.69	--	--	--	7.41	14.28
LAI-14	12/27/2005	21.69	--	--	--	6.48	15.21
LAI-14	1/30/2006	21.69	--	--	--	4.68	17.01
LAI-14	2/16/2006	21.69	6.30	15.39	0.07	6.37	15.37
LAI-14	3/13/2006	21.69	--	--	--	7.43	14.26
LAI-14	4/18/2006	21.69	--	--	--	7.56	14.13
LAI-14	5/12/2006	21.69	--	--	--	7.75	13.94
LAI-14	6/9/2006	21.69	--	--	--	7.58	14.11
LAI-14	7/13/2006	21.69	--	--	--	8.10	13.59
LAI-14	8/16/2006	21.69	--	--	--	8.43	13.26
LAI-14	9/19/2006	21.69	--	--	--	8.70	12.99
LAI-14	10/13/2006	21.69	--	--	--	8.56	13.13
LAI-14	11/20/2006	21.69	--	--	--	5.64	16.05
LAI-14	12/8/2006	21.69	--	--	--	6.12	15.57
LAI-14	1/19/2007	21.69	--	--	--	6.12	15.57
LAI-14	2/19/2007	21.69	--	--	--	7.45	14.24
LAI-14	3/15/2007	21.69	--	--	--	6.95	14.74
LAI-14	4/16/2007	21.69	--	--	--	7.38	14.31
LAI-14	5/14/2007	21.69	--	--	--	7.84	13.85
LAI-14	6/29/2007	21.69	--	--	--	8.27	13.42
LAI-14	7/20/2007	21.69	--	--	--	8.31	13.38
LAI-14	8/21/2007	21.69	--	--	--	8.48	13.21
LAI-14	9/10/2007	21.69	--	--	--	8.59	13.10
LAI-14	10/22/2007	21.69	--	--	--	7.82	13.87
LAI-14	11/28/2007	21.69	--	--	--	5.50	16.19
LAI-14	12/13/2007	21.69	--	--	--	6.45	15.24
LAI-14	1/21/2008	21.69	--	--	--	6.77	14.92
LAI-14	2/24/2008	21.69	--	--	--	7.37	14.32
LAI-14	3/24/2008	21.69	--	--	--	7.59	14.10
LAI-14	8/25/2008	21.69	--	--	--	8.36	13.33
LAI-14	2/18/2009	21.69	--	--	--	7.60	14.09
LAI-14	8/25/2009	21.69	--	--	--	8.78	12.91
LAI-14	3/22/2010	21.69	--	--	--	7.17	14.52
LAI-14	8/23/2010	21.69	--	--	--	8.13	13.56
LAI-14	2/7/2011	21.69	--	--	--	6.71	14.98
LAI-14	5/27/2011	21.69	--	--	--	6.98	14.71
LAI-14	8/8/2011	21.69	--	--	--	8.06	13.63
LAI-14	11/14/2011	21.69	--	--	--	7.91	13.78
LAI-14	2/20/2012	21.69	--	--	--	6.39	15.30

Table 5

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

LAI-14	8/22/2012	21.69	--	--	--	8.15	13.54	--
LAI-14	11/5/2012	21.69	--	--	--	6.60	15.09	--
LAI-14	1/28/2013	21.69	--	--	--	6.91	14.78	--
LAI-14	5/9/2013	21.69	--	--	--	7.02	14.67	--
LAI-14	8/19/2013	21.69	--	--	--	8.51	13.18	--
LAI-14	11/25/2013	21.69	--	--	--	7.07	14.62	--
LAI-14	2/14/2014	21.69	--	--	--	6.79	14.90	--
LAI-14	5/5/2014	21.69	--	--	--	5.94	15.75	--
LAI-14	11/21/2014	21.69	--	--	--	6.88	14.81	--
LAI-14	9/23/2019	21.69	--	--	--	7.21	14.48	--
LAI-14	9/16/2020	21.69	--	--	--	8.34	13.35	--
LAI-14	3/16/2021	21.53	--	--	--	4.92	16.61	--
LAI-14	9/16/2021	21.53	--	--	--	8.52	13.01	--
LAI-14	9/1/2022	21.53	--	--	--	8.02	13.51	--
LAI-14	2/20/2023	21.53	--	--	--	6.04	15.49	--
LAI-15	1/31/2003	19.76	--	--	--	6.13	13.63	--
LAI-15	2/12/2003	19.76	--	--	--	4.23	15.53	13.63
LAI-15	2/18/2003	19.76	--	--	--	4.51	15.25	15.53
LAI-15	2/21/2003	19.76	--	--	--	4.72	15.04	15.25
LAI-15	2/24/2003	19.76	--	--	--	4.74	15.02	15.02
LAI-15	3/3/2003	19.76	--	--	--	4.96	14.80	14.80
LAI-15	3/12/2003	19.76	--	--	--	4.81	14.95	14.95
LAI-15	3/14/2003	19.76	--	--	--	4.14	15.62	15.62
LAI-15	3/26/2003	19.76	--	--	--	3.82	15.94	15.94
LAI-15	3/28/2003	19.76	--	--	--	3.85	15.91	15.91
LAI-15	4/2/2003	19.76	--	--	--	4.40	15.36	15.36
LAI-15	4/4/2003	19.76	--	--	--	4.49	15.27	15.27
LAI-15	4/8/2003	19.76	--	--	--	4.71	15.05	15.05
LAI-15	4/11/2003	19.76	--	--	--	4.80	14.96	14.96
LAI-15	4/15/2003	19.76	--	--	--	4.75	15.01	15.01
LAI-15	4/17/2003	19.76	--	--	--	4.77	14.99	14.99
LAI-15	4/22/2003	19.76	--	--	--	4.99	14.77	14.77
LAI-15	4/25/2003	19.76	--	--	--	5.09	14.67	14.67
LAI-15	5/2/2003	19.76	--	--	--	5.13	14.63	14.63
LAI-15	5/6/2003	19.76	--	--	--	5.55	14.21	14.21
LAI-15	5/9/2003	19.76	--	--	--	5.68	14.08	14.08
LAI-15	5/16/2003	19.76	--	--	--	4.90	14.86	14.86
LAI-15	5/23/2003	19.76	--	--	--	6.12	13.64	13.64
LAI-15	5/28/2003	19.76	--	--	--	6.13	13.63	13.63
LAI-15	6/13/2003	19.76	--	--	--	6.33	13.43	13.43
LAI-15	6/18/2003	19.76	--	--	--	6.35	13.41	13.41
LAI-15	6/27/2003	19.76	--	--	--	6.39	13.37	13.37
LAI-15	7/7/2003	19.76	--	--	--	6.75	13.01	13.01
LAI-15	7/16/2003	19.76	--	--	--	6.03	13.73	13.73
LAI-15	7/31/2003	19.76	--	--	--	6.83	12.93	12.93
LAI-15	8/5/2003	19.76	--	--	--	6.85	12.91	12.91
LAI-15	8/11/2003	19.76	--	--	--	6.93	12.83	12.83
LAI-15	8/22/2003	19.76	--	--	--	8.04	11.72	11.72
LAI-15	8/26/2003	19.76	--	--	--	7.11	12.65	12.65
LAI-15	9/2/2003	19.76	--	--	--	7.21	12.55	12.55
LAI-15	9/9/2003	19.76	--	--	--	7.23	12.53	12.53
LAI-15	9/19/2003	19.76	--	--	--	--	NM	--
LAI-15	10/14/2003	19.76	--	--	--	7.45	12.31	12.31
LAI-15	11/20/2003	19.76	--	--	--	4.11	15.65	15.65
LAI-15	12/3/2003	19.76	--	--	--	3.65	16.11	16.11
LAI-15	1/19/2004	19.76	--	--	--	3.59	16.17	16.17
LAI-15	2/24/2004	19.76	--	--	--	4.26	15.50	15.50
LAI-15	3/15/2004	19.76	--	--	--	5.19	14.57	14.57
LAI-15	4/19/2004	19.76	--	--	--	5.97	13.79	13.79
LAI-15	5/17/2004	19.76	--	--	--	6.42	13.34	13.34
LAI-15	6/22/2004	19.76	--	--	--	6.09	13.67	13.67
LAI-15	8/18/2004	19.76	--	--	--	6.93	12.83	12.83
LAI-15	9/21/2004	19.76	--	--	--	6.05	13.71	13.71
LAI-15	10/19/2004	19.76	--	--	--	5.75	14.01	14.01
LAI-15	11/23/2004	19.76	--	--	--	5.91	13.85	13.85
LAI-15	12/21/2004	19.76	--	--	--	4.28	15.48	15.48
LAI-15	1/13/2005	19.76	--	--	--	5.32	14.44	14.44
LAI-15	4/28/2005	19.76	--	--	--	4.91	14.85	14.85
LAI-15	6/1/2005	20.03	--	--	--	5.17	14.86	14.86
LAI-15	6/29/2005	20.03	--	--	--	5.67	14.36	14.36
LAI-15	7/20/2005	20.03	--	--	--	6.32	13.71	13.71
LAI-15	8/22/2005	20.03	--	--	--	6.62	13.41	13.41
LAI-15	9/12/2005	20.03	--	--	--	6.82	13.21	13.21
LAI-15	10/12/2005	20.03	--	--	--	7.08	12.95	12.95
LAI-15	11/21/2005	20.03	--	--	--	5.04	14.99	14.99
LAI-15	12/27/2005	20.03	--	--	--	3.84	16.19	16.19
LAI-15	1/30/2006	20.03	--	--	--	1.11	18.92	18.92
LAI-15	2/16/2006	20.03	--	--	--	3.52	16.51	16.51
LAI-15	3/13/2006	20.03	--	--	--	4.92	15.11	15.11
LAI-15	4/18/2006	20.03	--	--	--	5.35	14.68	14.68
LAI-15	5/12/2006	20.03	--	--	--	5.61	14.42	14.42
LAI-15	6/9/2006	20.03	--	--	--	5.32	14.71	14.71
LAI-15	7/13/2006	20.03	--	--	--	6.20	13.83	13.83
LAI-15	8/16/2006	20.03	--	--	--	6.60	13.43	13.43
LAI-15	9/19/2006	20.03	--	--	--	7.05	12.98	12.98
LAI-15	10/13/2006	20.03	--	--	--	6.80	13.23	13.23
LAI-15	11/20/2006	20.03	--	--	--	2.53	17.50	17.50
LAI-15	12/8/2006	20.03	--	--	--	3.11	16.92	16.92
LAI-15	1/19/2007	20.03	--	--	--	3.12	16.91	16.91
LAI-15	2/19/2007	20.03	--	--	--	5.10	14.93	14.93
LAI-15	3/15/2007	20.03	--	--	--	4.32	15.71	15.71
LAI-15	4/16/2007	20.03	--	--	--	4.76	15.27	15.27
LAI-15	5/14/2007	20.03	--	--	--	5.88	14.15	14.15
LAI-15	6/29/2007	20.03	--	--	--	6.44	13.59	13.59
LAI-15	7/20/2007	20.03	--	--	--	6.55	13.48	13.48
LAI-15	8/21/2007	20.03	--	--	--	6.74	13.29	13.29
LAI-15	9/10/2007	20.03	--	--	--	6.84	13.19	13.19
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

Table 5

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

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
LAI-16	5/14/2007	20.59	--	--	--	7.54	13.05	13.05
LAI-16	6/29/2007	20.59	--	--	Dry	--	--	Dry



Table 5

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

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

Table 5

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

RW-2	4/25/2003	24.19	8.30	15.89	0.11	8.41	15.86	15.95
RW-2	5/2/2003	24.19	8.75	15.44	0.31	9.06	15.36	15.60
RW-2	5/6/2003	24.19	8.82	15.37	0.61	9.43	15.22	15.68
RW-2	5/9/2003	24.19	9.16	15.03	0.62	9.78	14.88	15.34
RW-2	5/23/2003	24.19	9.15	15.04	1.42	10.57	14.69	15.75
RW-2	5/28/2003	24.19	8.95	15.24	1.49	10.44	14.87	15.99
RW-2	6/13/2003	24.19	9.24	14.95	1.35	10.59	14.61	15.63
RW-2	6/18/2003	24.19	9.20	14.99	1.31	10.51	14.66	15.65
RW-2	6/27/2003	24.19	9.23	14.96	1.26	10.49	14.65	15.59
RW-2	7/7/2003	24.19	10.01	14.18	0.42	10.43	14.08	14.39
RW-2	7/16/2003	24.19	9.83	14.36	0.71	10.54	14.18	14.72
RW-2	7/31/2003	24.19	10.31	13.88	0.15	10.46	13.84	13.96
RW-2	8/5/2003	24.19	10.28	13.91	0.22	10.50	13.86	14.02
RW-2	8/11/2003	24.19	--	--	--	11.38	12.81	12.81
RW-2	8/22/2003	24.19	--	--	--	11.38	12.81	12.81
RW-2	8/26/2003	24.19	--	--	--	11.26	12.93	12.93
RW-2	9/2/2003	24.19	--	--	--	10.40	13.79	13.79
RW-2	9/9/2003	24.19	10.34	13.85	0.06	10.40	13.84	13.88
RW-2	9/19/2003	24.19	--	--	--	10.70	13.49	13.49
RW-2	10/14/2003	24.19	--	--	--	10.38	13.81	13.81
RW-2	11/20/2003	24.19	--	--	--	7.66	16.53	16.53
RW-2	12/3/2003	24.19	--	--	--	6.65	17.54	17.54
RW-2	1/19/2004	24.19	--	--	--	7.13	17.06	17.06
RW-2	2/24/2004	24.19	--	--	--	7.92	16.27	16.27
RW-2	3/15/2004	24.19	--	--	Not Monitored	--	--	--
RW-2	4/19/2004	24.19	--	NA	--	10.01	14.18	--
RW-2	5/17/2004	24.19	--	--	Not Monitored	--	--	--
RW-2	6/22/2004	24.19	--	NA	--	10.08	14.11	14.11
RW-2	8/18/2004	24.19	--	NA	--	10.44	13.75	13.75
RW-2	9/21/2004	24.19	9.95	14.24	0.18	10.13	14.20	14.33
RW-2	10/19/2004	24.19	9.04	15.15	0.08	9.12	15.13	15.19
RW-2	11/23/2004	24.19	7.82	16.37	0.50	8.32	16.25	16.62
RW-2	12/21/2004	24.19	--	--	--	6.95	17.24	17.24
RW-2	1/13/2005	24.19	--	--	--	8.39	15.80	15.80
RW-2	4/28/2005	24.19	--	--	--	8.20	15.99	15.99
RW-2	6/1/2005	24.19	--	--	--	9.62	14.57	14.57
RW-2	6/29/2005	24.19	--	--	--	10.41	13.78	13.78
RW-2	7/20/2005	24.19	--	--	--	10.90	13.29	13.29
RW-2	8/22/2005	24.19	10.94	13.25	0.04	10.98	13.24	13.27
RW-2	5/27/2011	24.19	--	--	Not Monitored	--	--	--
RWx-2	9/12/2005	26.20	--	--	--	12.55	13.65	13.65
RWx-2	10/12/2005	26.20	13.81	12.39	0.61	14.42	12.24	12.70
RWx-2	11/21/2005	26.20	11.20	15.00	1.13	12.33	14.72	15.57
RWx-2	12/27/2005	26.20	--	--	--	9.50	16.70	16.70
RWx-2	1/30/2006	26.20	--	--	--	6.55	19.65	19.65
RWx-2	2/16/2006	26.20	--	--	--	9.00	17.20	17.20
RWx-2	3/13/2006	26.20	--	--	--	9.85	16.35	16.35
RWx-2	4/18/2006	26.20	--	--	--	10.16	16.04	16.04
RWx-2	5/12/2006	26.20	--	--	--	10.56	15.64	15.64
RWx-2	6/9/2006	26.20	--	--	--	10.13	16.07	16.07
RWx-2	7/13/2006	26.20	--	--	--	12.61	13.59	13.59
RWx-2	8/16/2006	26.20	12.28	13.92	0.62	12.90	13.77	14.23
RWx-2	9/19/2006	26.20	--	--	--	12.95	13.25	13.25
RWx-2	10/13/2006	26.20	12.66	13.54	0.97	13.63	13.30	14.03
RWx-2	11/20/2006	26.20	7.13	19.07	0.37	7.50	18.98	19.26
RWx-2	12/8/2006	26.20	7.83	18.37	0.34	8.17	18.29	18.54
RWx-2	1/19/2007	26.20	7.06	19.14	0.25	7.31	19.08	19.27
RWx-2	2/19/2007	26.20	9.95	16.25	0.30	10.25	16.18	16.40
RWx-2	3/15/2007	26.20	8.50	17.70	0.04	8.54	17.69	17.72
RWx-2	4/16/2007	26.20	--	--	--	9.57	16.63	16.63
RWx-2	5/14/2007	26.20	11.12	15.08	0.00	11.12	15.08	15.08
RWx-2	6/29/2007	26.20	--	--	--	12.04	14.16	14.16
RWx-2	7/20/2007	26.20	--	--	--	12.51	13.69	13.69
RWx-2	8/21/2007	26.20	--	--	--	13.80	12.40	12.40
RWx-2	9/10/2007	26.20	--	--	--	13.84	12.36	12.36
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	26.20	--	--	--	--	--	--
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



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

RW-3	1/9/2003	22.03	5.78	16.25	0.05	5.83	16.24	16.28
RW-3	1/10/2003	22.03	5.88	16.15	0.05	5.93	16.14	16.18
RW-3	1/13/2003	22.03	6.02	16.01	0.08	6.10	15.99	16.05
RW-3	1/14/2003	22.03	5.97	16.06	0.09	6.06	16.04	16.11
RW-3	1/15/2003	22.03	5.87	16.16	0.12	5.99	16.13	16.22
RW-3	1/16/2003	22.03	5.89	16.14	0.09	5.98	16.12	16.19
RW-3	1/17/2003	22.03	5.85	16.18	0.07	5.92	16.16	16.22
RW-3	1/20/2003	22.03	5.98	16.05	0.13	6.11	16.02	16.12
RW-3	1/22/2003	22.03	5.91	16.12	0.09	6.00	16.10	16.17
RW-3	1/23/2003	22.03	6.20	15.83	0.49	6.69	15.71	16.08
RW-3	1/24/2003	22.03	6.02	16.01	0.24	6.26	15.95	16.13
RW-3	1/27/2003	22.03	5.57	16.46	0.08	5.65	16.44	16.50
RW-3	1/28/2003	22.03	5.55	16.48	0.07	5.62	16.46	16.52
RW-3	1/29/2003	22.03	5.44	16.59	0.06	5.50	16.58	16.62
RW-3	1/30/2003	22.03	5.56	16.47	0.06	5.62	16.46	16.50
RW-3	2/3/2003	22.03	5.75	16.28	0.10	5.85	16.26	16.33
RW-3	2/6/2003	22.85	6.44	16.41	0.12	6.56	16.38	16.47
RW-3	2/11/2003	22.85	6.81	16.04	0.32	7.13	15.96	16.20
RW-3	2/18/2003	22.85	7.29	15.56	0.88	8.17	15.34	16.00
RW-3	2/21/2003	22.85	7.19	15.66	0.75	7.94	15.47	16.04
RW-3	2/26/2003	22.85	6.73	16.12	0.31	7.04	16.04	16.28
RW-3	3/4/2003	22.85	6.83	16.02	0.34	7.17	15.94	16.19
RW-3	3/12/2003	22.85	7.38	15.47	0.06	7.44	15.46	15.50
RW-3	3/14/2003	22.85	7.21	15.64	0.07	7.28	15.62	15.68
RW-3	3/26/2003	22.85	6.52	16.33	0.01	6.53	16.33	16.34
RW-3	3/28/2003	22.85	--	--	--	7.09	15.76	15.76
RW-3	4/2/2003	22.85	--	--	--	7.05	15.80	15.80
RW-3	4/4/2003	22.85	--	--	--	7.26	15.59	15.59
RW-3	4/8/2003	22.85	--	--	--	6.90	15.95	15.95
RW-3	4/11/2003	22.85	--	--	--	7.51	15.34	15.34
RW-3	4/15/2003	22.85	--	--	--	6.67	16.18	16.18
RW-3	4/17/2003	22.85	--	--	--	7.61	15.24	15.24
RW-3	4/22/2003	22.85	--	--	--	7.61	15.24	15.24
RW-3	4/25/2003	22.85	--	--	--	7.22	15.63	15.63
RW-3	5/2/2003	22.85	8.21	14.64	0.25	8.46	14.58	14.77
RW-3	5/6/2003	22.85	8.51	14.34	0.24	8.75	14.28	14.46
RW-3	5/9/2003	22.85	8.71	14.14	0.12	8.83	14.11	14.20
RW-3	5/23/2003	22.85	9.74	13.11	0.03	9.77	13.10	13.13
RW-3	5/28/2003	22.85	8.75	14.10	0.01	8.76	14.10	14.11
RW-3	6/13/2003	22.85	9.19	13.66	0.02	9.21	13.66	13.67
RW-3	6/18/2003	22.85	9.16	13.69	0.06	9.22	13.68	13.72
RW-3	6/27/2003	22.85	--	--	--	9.50	13.35	13.35
RW-3	7/7/2003	22.85	10.05	12.80	0.06	10.11	12.79	12.83
RW-3	7/16/2003	22.85	10.02	12.83	0.01	10.03	12.83	12.84
RW-3	7/31/2003	22.85	10.18	12.67	0.11	10.29	12.64	12.73
RW-3	8/5/2003	22.85	--	--	--	Dry	NM	Dry
RW-3	8/11/2003	22.85	11.00	11.85	0.30	11.30	11.78	12.00
RW-3	8/22/2003	22.85	10.98	11.87	0.29	11.27	11.80	12.02
RW-3	8/26/2003	22.85	--	--	--	11.14	11.71	11.71
RW-3	9/2/2003	22.85	--	--	--	10.28	12.57	12.57
RW-3	9/9/2003	22.85	--	--	--	10.29	12.56	12.56
RW-3	9/19/2003	22.85	--	--	--	10.29	12.56	12.56
RW-3	10/14/2003	22.85	--	--	--	10.30	12.55	12.55
RW-3	11/20/2003	22.85	7.16	15.69	1.29	8.45	15.37	16.34
RW-3	12/3/2003	22.85	6.72	16.13	0.05	6.77	16.12	16.16
RW-3	1/19/2004	22.85	--	--	--	6.26	16.59	16.59
RW-3	2/24/2004	22.85	--	--	--	6.72	16.13	16.13
RW-3	3/15/2004	22.85	--	--	--	7.78	15.07	15.07
RW-3	4/19/2004	22.85	--	--	--	8.71	14.14	14.14
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

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

RW-3	3/24/2008	22.85	--	--	--	6.68	16.17	16.17
RW-3	8/25/2008	22.85	--	--	--	8.15	14.70	14.70
RW-3	2/18/2009	22.85	--	--	--	7.24	15.61	15.61
RW-3	8/25/2009	22.85	--	--	--	9.33	13.52	13.52
RW-3	3/22/2010	22.85	--	--	--	6.24	16.61	16.61
RW-3	8/23/2010	22.85	--	--	--	8.85	14.00	14.00
RW-3	2/7/2011	22.85	--	--	--	5.16	17.69	--
RW-3	5/27/2011	22.85	--	--	--	6.38	16.47	--
RW-3	8/8/2011	22.85	--	--	--	8.97	13.88	--
RW-3	11/14/2011	22.85	--	--	--	8.10	14.75	--
RW-3	2/20/2012	22.85	--	--	--	4.77	18.08	--
RW-3	8/22/2012	22.85	--	--	--	8.58	14.27	--
RW-3	11/5/2012	22.85	--	--	--	5.12	17.73	--
RW-3	1/28/2013	22.85	--	--	--	4.98	17.87	--
RW-3	5/9/2013	22.85	--	--	--	6.83	16.02	--
RW-3	8/19/2013	22.85	--	--	--	9.31	13.54	--
RW-3	11/25/2013	22.85	--	--	--	6.85	16.00	--
RW-3	2/14/2014	22.85	--	--	--	4.64	18.21	--
RW-3	5/5/2014	22.85	--	--	--	4.14	18.71	--
RW-3	8/19/2014	22.85	--	--	--	9.31	13.54	--
RW-3	11/21/2014	22.85	--	--	--	6.69	16.16	--
RW-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

Table 5

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

RW-4	8/22/2005	23.78	--	--	--	9.50	14.28	11.18
RW-4	9/12/2005	23.78	--	--	--	10.31	13.47	13.47
RW-4	10/12/2005	23.78	10.69	13.09	0.13	10.82	13.06	13.16
RW-4	11/21/2005	23.78	--	--	--	8.40	15.38	15.38
RW-4	12/27/2005	23.78	--	--	--	5.14	18.64	18.64
RW-4	1/30/2006	23.78	--	--	--	3.40	20.38	20.38
RW-4	2/16/2006	23.78	--	--	--	5.65	18.13	18.13
RW-4	3/13/2006	23.78	--	--	--	6.81	16.97	16.97
RW-4	4/18/2006	23.78	--	--	--	6.95	16.83	16.83
RW-4	5/12/2006	23.78	--	--	--	7.69	16.09	16.09
RW-4	6/9/2006	23.78	--	--	--	7.25	16.53	16.53
RW-4	7/13/2006	23.78	--	--	--	8.56	15.22	15.22
RW-4	8/16/2006	23.78	--	--	--	9.70	14.08	14.08
RW-4	9/19/2006	23.78	--	--	--	10.30	13.48	13.48
RW-4	10/13/2006	23.78	--	--	--	10.05	13.73	13.73
RW-4	11/20/2006	23.78	--	--	--	4.64	19.14	19.14
RW-4	12/8/2006	23.78	--	--	--	5.00	18.78	18.78
RW-4	1/19/2007	23.78	--	--	--	4.47	19.31	19.31
RW-4	2/19/2007	23.78	--	--	--	7.16	16.62	16.62
RW-4	3/15/2007	23.78	--	--	--	5.91	17.87	17.87
RW-4	4/16/2007	23.78	--	--	--	6.75	17.03	17.03
RW-4	5/14/2007	23.78	--	--	--	8.22	15.56	15.56
RW-4	6/29/2007	23.78	--	--	--	9.54	14.24	14.24
RW-4	7/20/2007	23.78	--	--	--	10.02	13.76	13.76
RW-4	8/21/2007	23.78	--	--	--	10.72	13.06	13.06
RW-4	9/10/2007	23.78	--	--	--	10.71	13.07	13.07
RW-4	10/22/2007	23.78	--	--	--	8.88	14.90	14.90
RW-4	11/28/2007	23.78	--	--	Not Monitored	--	--	NM
RW-4	12/13/2007	23.78	--	--	--	7.22	16.56	16.56
RW-4	1/21/2008	23.78	--	--	--	7.22	16.56	16.56
RW-4	2/24/2008	23.78	--	--	--	7.91	15.87	15.87
RW-4	3/24/2008	23.78	--	--	--	7.69	16.09	16.09
RW-4	8/25/2008	23.78	--	--	--	9.18	14.60	14.60
RW-4	2/18/2009	23.78	--	--	--	8.17	15.61	15.61
RW-4	8/25/2009	23.78	--	--	--	10.85	12.93	12.93
RW-4	3/22/2010	23.78	--	--	--	7.17	16.61	16.61
RW-4	8/23/2010	23.78	--	--	--	9.89	13.89	13.89
RW-4	2/7/2011	23.78	--	--	--	6.11	17.67	--
RW-4	5/27/2011	23.78	--	--	Not Monitored	--	--	--
RW-4	8/8/2011	23.78	--	--	--	9.85	13.93	--
RW-4	11/14/2011	23.78	--	--	--	9.06	14.72	--
RW-4	2/20/2012	23.78	--	--	--	5.12	18.66	--
RW-4	8/22/2012	23.78	--	--	--	9.51	14.27	--
RW-4	11/5/2012	23.78	--	--	--	6.07	17.71	--
RW-4	1/28/2013	23.78	--	--	--	5.94	17.84	--
RW-4	5/9/2013	23.78	--	--	--	7.77	16.01	--
RW-4	8/19/2013	23.78	--	--	--	10.37	13.41	--
RW-4	11/25/2013	23.78	--	--	--	7.76	16.02	--
RW-4	2/14/2014	23.78	--	--	--	5.57	18.21	--
RW-4	5/5/2014	23.78	--	--	--	5.08	18.70	--
RW-4	8/19/2014	23.78	--	--	--	10.29	13.49	--
RW-4	11/21/2014	23.78	--	--	--	7.67	16.11	--
RW-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

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

RW-5	6/13/2003	24.44	9.85	14.59	0.06	9.91	14.58	14.62
RW-5	6/18/2003	24.44	9.81	14.63	0.08	9.89	14.61	14.67
RW-5	6/27/2003	24.44	9.26	15.18	0.22	9.48	15.13	15.29
RW-5	7/7/2003	24.44	10.51	13.93	0.19	10.70	13.88	14.03
RW-5	7/16/2003	24.44	10.29	14.15	0.16	10.45	14.11	14.23
RW-5	7/31/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	8/5/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	8/11/2003	24.44	--	--	--	11.68	12.76	12.76
RW-5	8/22/2003	24.44	11.57	12.87	0.08	11.65	12.85	12.91
RW-5	8/26/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	9/2/2003	24.44	--	--	--	10.67	13.77	13.77
RW-5	9/9/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	9/19/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	10/14/2003	24.44	--	--	--	10.65	13.79	13.79
RW-5	11/20/2003	24.44	--	--	--	8.20	16.24	16.24
RW-5	12/3/2003	24.44	--	--	--	7.15	17.29	17.29
RW-5	1/19/2004	24.44	--	--	--	6.71	17.73	17.73
RW-5	2/24/2004	24.44	--	--	--	7.68	16.76	16.76
RW-5	3/15/2004	24.44	--	--	--	8.58	15.86	15.86
RW-5	4/19/2004	24.44	--	--	--	9.47	14.97	14.97
RW-5	5/17/2004	24.44	--	--	--	10.28	14.16	14.16
RW-5	6/22/2004	24.44	--	--	--	9.76	14.68	14.68
RW-5	8/18/2004	24.44	10.69	13.75	0.01	10.70	13.75	13.75
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	--
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

Table 5

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

RW-6	1/17/2003	23.43	6.29	17.14	0.00	6.29	17.14	17.14
RW-6	1/20/2003	23.43	6.31	17.12	0.63	6.94	16.96	17.44
RW-6	1/22/2003	23.43	6.41	17.02	0.75	7.16	16.83	17.40
RW-6	1/23/2003	23.43	6.60	16.83	0.80	7.40	16.63	17.23
RW-6	1/24/2003	23.43	6.45	16.98	0.76	7.21	16.79	17.36
RW-6	1/27/2003	23.43	5.82	17.61	0.62	6.44	17.46	17.92
RW-6	1/28/2003	23.43	5.90	17.53	0.39	6.29	17.43	17.73
RW-6	1/29/2003	23.43	5.81	17.62	0.35	6.16	17.53	17.80
RW-6	1/30/2003	23.43	5.92	17.51	0.28	6.20	17.44	17.65
RW-6	2/3/2003	23.43	6.25	17.18	0.19	6.44	17.13	17.28
RW-6	2/6/2003	24.18	6.96	17.22	0.18	7.14	17.18	17.31
RW-6	2/11/2003	24.18	7.44	16.74	0.31	7.75	16.66	16.90
RW-6	2/18/2003	24.18	7.90	16.28	0.51	8.41	16.15	16.54
RW-6	2/21/2003	24.18	7.86	16.32	0.47	8.33	16.20	16.56
RW-6	2/26/2003	24.18	7.76	16.42	0.01	7.77	16.42	16.43
RW-6	3/4/2003	24.18	--	--	--	7.46	16.72	16.72
RW-6	3/12/2003	24.18	8.01	16.17	0.01	8.02	16.17	16.18
RW-6	3/14/2003	24.18	--	--	--	7.81	16.37	16.37
RW-6	3/26/2003	24.18	--	--	--	7.02	17.16	17.16
RW-6	3/28/2003	24.18	--	--	--	7.62	16.56	16.56
RW-6	4/2/2003	24.18	--	--	--	7.74	16.44	16.44
RW-6	4/4/2003	24.18	--	--	--	8.07	16.11	16.11
RW-6	4/8/2003	24.18	--	--	--	7.69	16.49	16.49
RW-6	4/11/2003	24.18	7.61	16.57	0.01	7.62	16.57	16.58
RW-6	4/15/2003	24.18	--	--	--	7.29	16.89	16.89
RW-6	4/17/2003	24.18	7.78	16.40	0.01	7.79	16.40	16.41
RW-6	4/22/2003	24.18	--	--	--	7.81	16.37	16.37
RW-6	4/25/2003	24.18	--	--	--	7.75	16.43	16.43
RW-6	5/2/2003	24.18	--	--	--	8.66	15.52	15.52
RW-6	5/6/2003	24.18	8.84	15.34	0.28	9.12	15.27	15.48
RW-6	5/9/2003	24.18	8.82	15.36	0.43	9.25	15.25	15.58
RW-6	5/23/2003	24.18	8.85	15.33	0.86	9.71	15.12	15.76
RW-6	5/28/2003	24.18	8.93	15.25	1.08	10.01	14.98	15.79
RW-6	6/13/2003	24.18	9.28	14.90	0.81	10.09	14.70	15.31
RW-6	6/18/2003	24.18	9.22	14.96	1.53	10.75	14.58	15.73
RW-6	6/27/2003	24.18	9.60	14.58	1.22	10.82	14.28	15.19
RW-6	7/7/2003	24.18	9.90	14.28	0.91	10.81	14.05	14.74
RW-6	7/16/2003	24.18	9.68	14.50	1.08	10.76	14.23	15.04
RW-6	7/31/2003	24.18	10.34	13.84	0.42	10.76	13.74	14.05
RW-6	8/5/2003	24.18	10.30	13.88	0.45	10.75	13.77	14.11
RW-6	8/11/2003	24.18	11.35	12.83	0.39	11.74	12.73	13.03
RW-6	8/22/2003	24.18	11.10	13.08	0.64	11.74	12.92	13.40
RW-6	8/26/2003	24.18	10.71	13.47	0.05	10.76	13.46	13.50
RW-6	9/2/2003	24.18	10.61	13.57	0.14	10.75	13.54	13.64
RW-6	9/9/2003	24.18	--	--	--	10.76	13.42	13.42
RW-6	9/19/2003	24.18	--	--	--	10.76	13.42	13.42
RW-6	10/14/2003	24.18	--	--	--	10.75	13.43	13.43
RW-6	11/20/2003	24.18	--	--	--	8.50	15.68	15.68
RW-6	12/3/2003	24.18	--	--	--	7.08	17.10	17.10
RW-6	1/19/2004	24.18	--	--	--	6.62	17.56	17.56
RW-6	2/24/2004	24.18	--	--	--	7.58	16.60	16.60
RW-6	3/15/2004	24.18	--	--	--	8.57	15.61	15.61
RW-6	4/19/2004	24.18	--	--	--	9.36	14.82	14.82
RW-6	5/17/2004	24.18	--	--	--	10.15	14.03	14.03
RW-6	6/22/2004	24.18	--	--	--	9.91	14.27	14.27
RW-6	8/18/2004	24.18	10.72	13.46	0.01	10.73	13.46	13.47
RW-6	9/21/2004	24.18	--	--	--	9.73	14.45	14.45
RW-6	10/19/2004	24.18	--	--	--	8.83	15.35	15.35
RW-6	11/23/2004	24.18	--	--	--	8.86	15.32	15.32
RW-6	12/21/2004	24.18	--	--	--	7.33	16.85	16.85
RW-6	1/13/2005	24.18	--	--	--	8.22	15.96	15.96
RW-6	4/28/2005	24.18	--	--	--	7.65	16.53	16.53
RW-6	6/1/2005	24.18	--	--	--	7.95	16.23	16.23
RW-6	6/29/2005	24.18	--	--	--	9.21	14.97	14.97
RW-6	7/20/2005	24.18	--	--	--	9.81	14.37	14.37
RW-6	8/22/2005	24.18	--	--	--	10.20	13.98	13.98
RW-6	9/12/2005	24.18	--	--	--	10.77	13.41	13.41
RW-6	10/12/2005	24.18	--	--	--	10.77	13.41	13.41
RW-6	11/21/2005	24.18	--	--	--	9.96	14.22	14.22
RW-6	12/27/2005	24.18	--	--	--	7.45	16.73	16.73
RW-6	1/30/2006	24.18	--	--	--	4.72	19.46	19.46
RW-6	2/16/2006	24.18	--	--	--	6.86	17.32	17.32
RW-6	3/13/2006	24.18	--	--	--	7.82	16.36	16.36
RW-6	4/18/2006	24.18	--	--	--	8.04	16.14	16.14
RW-6	5/12/2006	24.18	--	--	--	8.52	15.66	15.66
RW-6	6/9/2006	24.18	--	--	--	8.10	16.08	16.08
RW-6	7/13/2006	24.18	--	--	--	9.26	14.92	14.92
RW-6	8/16/2006	24.18	--	--	--	10.25	13.93	13.93
RW-6	9/19/2006	24.18	--	--	--	10.77	13.41	13.41
RW-6	10/13/2006	24.18	--	--	--	10.56	13.62	13.62
RW-6	11/20/2006	24.18	--	--	--	6.05	18.13	18.13
RW-6	12/8/2006	24.18	--	--	--	6.39	17.79	17.79
RW-6	1/19/2007	24.18	--	--	--	5.68	18.50	18.50
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

Table 5

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

RW-6	2/7/2011	24.18	--	--	--	7.25	16.93	--
RW-6	5/27/2011	24.18	--	--	Not Monitored			
RW-6	8/8/2011	24.18	--	--	--	10.31	13.87	--
RW-6	11/14/2011	24.18	--	--	--	9.56	14.62	--
RW-6	2/20/2012	24.18	--	--	--	7.19	16.99	--
RW-6	8/22/2012	24.18	--	--	--	10.07	14.11	--
RW-6	11/5/2012	24.18	--	--	--	7.63	16.55	--
RW-6	1/28/2013	24.18	--	--	--	7.16	17.02	--
RW-6	5/9/2013	24.18	--	--	--	8.22	15.96	--
RW-6	8/19/2013	24.18	--	--	--	10.80	13.38	--
RW-6	11/25/2013	24.18	--	--	--	8.32	15.86	--
RW-6	11/25/2013	24.18	--	--	--	8.32	15.86	--
RW-6	2/14/2014	24.18	--	--	--	6.76	17.42	--
RW-6	5/5/2014	24.18	--	--	--	5.99	18.19	--
RW-6	8/19/2014	24.18	--	--	--	10.57	13.61	--
RW-6	11/21/2014	24.18	--	--	--	5.54	18.64	--
RW-7	11/20/2002	23.01	7.65	15.36	2.46	10.11	14.75	--
RW-7	11/21/2002	23.01	7.60	15.41	2.51	10.11	14.78	16.59
RW-7	11/22/2002	23.01	8.03	14.98	1.75	9.78	14.54	16.67
RW-7	11/24/2002	23.01	8.23	14.78	1.26	9.49	14.47	15.86
RW-7	1/2/2003	23.01	6.44	16.57	0.40	6.84	16.47	16.77
RW-7	1/3/2003	23.01	6.28	16.73	0.40	6.68	16.63	16.93
RW-7	1/6/2003	23.01	5.93	17.08	0.12	6.05	17.05	17.14
RW-7	1/7/2003	23.01	5.84	17.17	0.20	6.04	17.12	17.27
RW-7	1/8/2003	23.01	5.66	17.35	0.20	5.86	17.30	17.45
RW-7	1/9/2003	23.01	5.72	17.29	0.33	6.05	17.21	17.46
RW-7	1/10/2003	23.01	5.90	17.11	0.25	6.15	17.05	17.24
RW-7	1/13/2003	23.01	5.98	17.03	0.37	6.35	16.94	17.22
RW-7	1/14/2003	23.01	5.97	17.04	0.27	6.24	16.97	17.18
RW-7	1/15/2003	23.01	5.95	17.06	0.30	6.25	16.99	17.21
RW-7	1/16/2003	23.01	5.84	17.17	0.41	6.25	17.07	17.38
RW-7	1/17/2003	23.01	5.85	17.16	0.35	6.20	17.07	17.34
RW-7	1/20/2003	23.01	6.02	16.99	0.53	6.55	16.86	17.26
RW-7	1/22/2003	23.01	6.11	16.90	0.80	6.91	16.70	17.30
RW-7	1/23/2003	23.01	6.25	16.76	1.05	7.30	16.50	17.29
RW-7	1/24/2003	23.01	6.16	16.85	1.03	7.19	16.59	17.37
RW-7	1/27/2003	23.01	5.60	17.41	0.58	6.18	17.27	17.70
RW-7	1/28/2003	23.01	5.65	17.36	0.63	6.28	17.20	17.68
RW-7	1/29/2003	23.01	5.55	17.46	0.65	6.20	17.30	17.79
RW-7	1/30/2003	23.01	5.65	17.36	0.67	6.32	17.19	17.70
RW-7	2/3/2003	23.01	5.91	17.10	0.76	6.67	16.91	17.48
RW-7	2/6/2003	23.78	6.55	17.23	0.79	7.34	17.03	17.63
RW-7	2/11/2003	23.78	6.99	16.79	1.08	8.07	16.52	17.33
RW-7	2/21/2003	23.78	7.42	16.36	0.99	8.41	16.11	16.86
RW-7	2/26/2003	23.78	7.24	16.54	0.04	7.28	16.53	16.56
RW-7	3/4/2003	23.78	--	--	--	6.96	16.82	16.82
RW-7	3/12/2003	23.01	Trace	--	--	7.71	15.30	15.30
RW-7	3/14/2003	23.01	--	--	--	7.51	15.50	15.50
RW-7	3/26/2003	23.01	--	--	--	6.68	16.33	16.33
RW-7	3/28/2003	23.01	--	--	--	7.25	15.76	15.76
RW-7	4/2/2003	23.01	--	--	--	7.42	15.59	15.59
RW-7	4/4/2003	23.01	--	--	--	7.64	15.37	15.37
RW-7	4/8/2003	23.01	--	--	--	7.22	15.79	15.79
RW-7	4/11/2003	23.01	--	--	--	7.16	15.85	15.85
RW-7	4/15/2003	23.01	--	--	--	6.81	16.20	16.20
RW-7	4/17/2003	23.01	--	--	--	7.38	15.63	15.63
RW-7	4/22/2003	23.01	--	--	--	7.34	15.67	15.67
RW-7	4/25/2003	23.01	--	--	--	7.21	15.80	15.80
RW-7	5/2/2003	23.01	8.30	14.71	0.03	8.33	14.70	14.73
RW-7	5/6/2003	23.01	8.52	14.49	0.08	8.60	14.47	14.53
RW-7	5/9/2003	23.01	8.54	14.47	0.03	8.57	14.46	14.49
RW-7	5/23/2003	23.01	8.55	14.46	1.03	9.58	14.20	14.98
RW-7	5/28/2003	23.01	8.57	14.44	1.55	10.12	14.05	15.22
RW-7	6/13/2003	23.01	8.92	14.09	1.64	10.56	13.68	14.91
RW-7	6/18/2003	23.01	8.88	14.13	1.87	10.75	13.66	15.07
RW-7	6/27/2003	23.01	9.26	13.75	1.55	10.81	13.36	14.53
RW-7	7/7/2003	23.01	9.54	13.47	1.21	10.75	13.17	14.08
RW-7	7/16/2003	23.01	9.42	13.59	1.30	10.72	13.27	14.24
RW-7	7/31/2003	23.01	9.98	13.03	0.76	10.74	12.84	13.41
RW-7	8/5/2003	23.01	10.88	12.13	0.74	11.62	11.95	12.50
RW-7	8/11/2003	23.01	11.00	12.01	0.69	11.69	11.84	12.36
RW-7	8/22/2003	23.01	10.70	12.31	1.01	11.71	12.06	12.82
RW-7	8/26/2003	23.01	11.28	11.73	0.37	11.65	11.64	11.92
RW-7	9/2/2003	23.01	10.36	12.65	0.36	10.72	12.56	12.83
RW-7	9/9/2003	23.01	10.75	12.26	0.01	10.76	12.26	12.27
RW-7	9/19/2003	23.01	--	--	--	10.76	12.25	12.25
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

Table 5

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

RWx-7	12/27/2005	24.71	8.15	16.56	0.02	8.17	16.56	16.57
RWx-7	1/30/2006	24.71	5.31	19.40	0.01	5.32	19.40	19.41
RWx-7	2/16/2006	24.71	7.41	17.30	0.02	7.43	17.30	17.31
RWx-7	3/13/2006	24.71	--	--	--	8.46	16.25	16.25
RWx-7	4/18/2006	24.71	--	--	--	8.71	16.00	16.00
RWx-7	5/12/2006	24.71	--	--	--	9.18	15.53	15.53
RWx-7	6/9/2006	24.71	--	--	--	8.76	15.95	15.95
RWx-7	7/13/2006	24.71	--	--	--	10.10	14.61	14.61
RWx-7	8/16/2006	24.71	11.03	13.68	0.08	11.11	13.66	13.72
RWx-7	9/19/2006	24.71	--	--	--	11.60	13.11	13.11
RWx-7	10/13/2006	24.71	--	--	--	11.31	13.40	13.40
RWx-7	11/20/2006	24.71	--	--	--	6.61	18.10	18.10
RWx-7	12/8/2006	24.71	--	--	--	6.91	17.80	17.80
RWx-7	1/19/2007	24.71	--	--	--	6.22	18.49	18.49
RWx-7	2/19/2007	24.71	--	--	--	8.55	16.16	16.16
RWx-7	3/15/2007	24.71	--	--	--	7.52	17.19	17.19
RWx-7	4/16/2007	24.71	--	--	--	8.22	16.49	16.49
RWx-7	5/14/2007	24.71	--	--	--	9.52	15.19	15.19
RWx-7	6/29/2007	24.71	--	--	--	10.74	13.97	13.97
RWx-7	7/20/2007	24.71	--	--	--	11.16	13.55	13.55
RWx-7	8/21/2007	24.71	--	--	--	11.82	12.89	12.89
RWx-7	9/10/2007	24.71	--	--	--	11.90	12.81	12.81
RWx-7	10/22/2007	24.71	--	--	--	10.01	14.70	14.70
RWx-7	11/28/2007	24.71	--	--	--	9.54	15.17	15.17
RWx-7	12/13/2007	24.71	--	--	--	8.32	16.39	16.39
RWx-7	1/21/2008	24.71	--	--	--	8.34	16.37	16.37
RWx-7	2/24/2008	24.71	--	--	--	8.76	15.95	15.95
RWx-7	3/24/2008	24.71	--	--	--	9.06	15.65	15.65
RWx-7	8/25/2008	24.71	--	--	--	11.00	13.71	13.71
RWx-7	2/18/2009	24.71	--	--	--	9.39	15.32	15.32
RWx-7	8/25/2009	24.71	--	--	--	12.22	12.49	12.49
RWx-7	3/22/2010	24.71	--	--	--	8.80	15.91	15.91
RWx-7	8/23/2010	24.71	--	--	--	11.25	13.46	13.46
RWx-7	2/7/2011	24.71	--	--	--	7.85	16.86	--
RWx-7	5/27/2011	24.71	--	--	--	8.98	15.73	--
RWx-7	8/8/2011	24.71	--	--	--	11.15	13.56	--
RWx-7	11/14/2011	24.71	--	--	--	10.54	14.17	--
RWx-7	2/20/2012	24.71	--	--	--	7.79	16.92	--
RWx-7	8/22/2012	24.71	--	--	--	10.97	13.74	--
RWx-7	11/5/2012	24.71	--	--	--	8.69	16.02	--
RWx-7	1/28/2013	24.71	--	--	--	7.72	16.99	--
RWx-7	5/9/2013	24.71	--	--	--	8.82	15.89	--
RWx-7	8/19/2013	24.71	--	--	--	11.77	12.94	--
RWx-7	11/25/2013	24.71	--	--	--	9.07	15.64	--
RWx-7	2/14/2014	24.71	--	--	--	7.65	17.06	--
RWx-7	5/5/2014	24.71	--	--	--	6.52	18.19	--
RWx-7	8/19/2014	24.71	--	--	--	11.42	13.29	--
RWx-7	11/21/2014	24.71	--	--	--	8.68	16.03	--
RWx-7	11/14/2016	24.71	--	--	--	5.80	18.91	--
RWx-7	11/18/2016	24.71	--	--	--	--	--	--
RWx-7	2/17/2017	24.71	--	--	--	5.58	19.13	15.74
RWx-7	5/26/2017	24.71	--	--	--	8.07	16.64	16.35
RWx-7	9/26/2017	24.71	--	--	--	11.82	12.89	--
RWx-7	9/28/2017	24.71	--	--	--	--	--	--
RWx-7	12/14/2017	24.71	--	--	--	6.86	17.85	--
RWx-7	2/26/2018	24.71	--	--	--	7.67	17.04	--
RWx-7	6/11/2018	24.71	--	--	--	10.11	14.60	--
RWx-7	6/27/2018	24.71	--	--	--	10.85	13.86	--
RWx-7	8/29/2018	24.71	--	--	--	12.19	12.52	--
RWx-7	12/17/2018	24.71	--	--	--	6.84	17.87	--
HW-1East	11/20/2003	20.35	--	--	--	4.61	15.74	--
HW-1East	12/3/2003	20.35	--	--	--	4.00	16.35	--
HW-1East	1/19/2004	20.35	3.56	16.79	0.005	3.57	16.79	--
HW-1East	2/24/2004	20.35	--	--	--	5.46	14.89	16.79
HW-1East	3/15/2004	20.35	--	--	--	5.84	14.51	14.51
HW-1East	4/19/2004	20.35	--	--	--	6.42	13.93	13.93
HW-1East	5/17/2004	20.35	--	--	Not Monitored	--	--	0.00
HW-1East	6/22/2004	20.35	--	--	Not Monitored	--	--	0.00
HW-1East	8/18/2004	20.35	--	--	Dry	--	--	Dry
HW-1East	9/21/2004	20.35	--	--	--	6.92	13.43	13.43
HW-1East	10/19/2004	20.35	--	--	--	6.02	14.33	14.33
HW-1East	11/23/2004	20.35	--	--	--	6.46	13.89	13.89
HW-1East	12/21/2004	20.35	--	--	--	4.45	15.90	15.90
HW-1East	1/13/2005	20.35	--	--	--	5.25	15.10	15.10
HW-1East	4/28/2005	20.35	--	--	--	4.82	15.53	15.53
HW-1East	6/1/2005	20.35	--	--	--	5.09	15.26	15.26
HW-1East	6/29/2005	20.35	--	--	--	6.83	13.52	13.52
HW-1East	7/20/2005	20.35	--	--	--	6.88	13.47	13.47
HW-1East	8/22/2005	20.35	--	--	--	7.03	13.32	13.32
HW-1East	12/21/2004	20.35	--	--	--	7.03	13.32	13.32
HW-1East	5/27/2011	20.35	--	--	Not Monitored	--	--	--
HWx-1East	9/12/2005	20.44	--	--	--	10.27	10.17	10.17
HWx-1East	10/12/2005	20.44	--	--	--	9.57	10.87	10.87
HWx-1East	11/21/2005	20.44	--	--	--	5.71	14.73	14.73
HWx-1East	12/27/2005	20.44	--	--	--	4.51	15.93	15.93
HWx-1East	1/30/2006	20.44	--	--	--	2.23	18.21	18.21
HWx-1East	2/16/2006	20.44	--	--	--	4.10	16.34	16.34
HWx-1East	3/13/2006	20.44	--	--	--	4.94	15.50	15.50
HWx-1East	4/18/2006	20.44	--	--	--	4.95	15.49	15.49
HWx-1East	5/12/2006	20.44	--	--	--	5.23	15.21	15.21
HWx-1East	6/9/2006	20.44	--	--	--	4.96	15.48	15.48
HWx-1East	7/13/2006	20.44	--	--	--	5.45	14.99	14.99
HWx-1East	8/16/2006	20.44	--	--	--	6.75	13.69	13.69
HWx-1East	9/19/2006	20.44	--	--	--	9.20	11.24	11.24
HWx-1East	10/13/2006	20.44	8.65	11.79	2.85	11.50	11.08	13.22
HWx-1East	11/20/2006	20.44	--	--	--	3.25	17.19	17.19
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

Table 5

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

HWx-1East	4/16/2007	20.44	--	--	--	4.42	16.02	16.02
HWx-1East	5/14/2007	20.44	--	--	--	5.45	14.99	14.99
HWx-1East	6/29/2007	20.44	--	--	--	6.58	13.86	13.86
HWx-1East	7/20/2007	20.44	--	--	--	8.38	12.06	12.06
HWx-1East	8/21/2007	20.44	--	--	--	8.79	11.65	11.65
HWx-1East	9/10/2007	20.44	--	--	--	8.95	11.49	11.49
HWx-1East	10/22/2007	20.44	--	--	--	6.45	13.99	13.99
HWx-1East	11/28/2007	20.44	--	--	--	5.72	14.72	14.72
HWx-1East	12/13/2007	20.44	--	--	--	4.68	15.76	15.76
HWx-1East	1/21/2008	20.44	--	--	--	4.88	15.56	15.56
HWx-1East	2/24/2008	20.44	--	--	--	5.17	15.27	15.27
HWx-1East	3/24/2008	20.44	--	--	--	5.54	14.90	14.90
HWx-1East	8/25/2008	20.44	--	--	--	8.95	11.49	11.49
HWx-1East	2/18/2009	20.44	--	--	--	5.15	15.29	15.29
HWx-1East	8/25/2009	20.44	--	--	--	10.05	10.39	10.39
HWx-1East	3/22/2010	20.44	--	--	--	10.45	9.99	9.99
HWx-1East	8/23/2010	20.44	--	--	--	10.20	10.24	10.24
HWx-1East	2/7/2011	20.44	--	--	--	4.60	15.84	--
HWx-1East	5/27/2011	20.44	--	--	Not Monitored			
HW-1West	11/20/2003	18.86	--	--	--	4.32	14.54	14.54
HW-1West	12/3/2003	18.86	--	--	--	3.56	15.30	15.30
HW-1West	1/19/2004	18.86	--	--	--	3.28	15.58	15.58
HW-1West	2/24/2004	18.86	--	--	--	4.96	13.90	13.90
HW-1West	3/15/2004	18.86	--	--	--	6.35	12.51	12.51
HW-1West	4/19/2004	18.86	--	--	--	5.90	12.96	12.96
HW-1West	5/17/2004	18.86	--	--	Not Monitored			0.00
HW-1West	6/22/2004	18.86	--	--	Not Monitored			0.00
HW-1West	8/18/2004	18.86	7.31	11.55	0.01	7.32	11.55	11.56
HW-1West	9/21/2004	18.86	--	--	--	6.43	12.43	12.43
HW-1West	10/19/2004	18.86	--	--	--	5.56	13.30	13.30
HW-1West	11/23/2004	18.86	--	--	--	5.82	13.04	13.04
HW-1West	12/21/2004	18.86	--	--	--	3.95	14.91	14.91
HW-1West	1/13/2005	18.86	--	--	--	4.66	14.20	14.20
HW-1West	4/28/2005	18.86	--	--	--	4.30	14.56	14.56
HW-1West	6/1/2005	18.86	--	--	--	5.60	13.26	13.26
HW-1West	6/29/2005	18.86	--	--	--	6.34	12.52	12.52
HW-1West	7/20/2005	18.86	--	--	--	6.40	12.46	12.46
HW-1West	8/22/2005	18.86	--	--	--	6.55	12.31	12.31
HW-1West	5/27/2011	18.86	--	--	Not Monitored			
HWx-1West	9/12/2005	19.96	--	--	--	10.16	9.80	9.80
HWx-1West	10/12/2005	19.96	9.22	10.74	0.01	9.23	10.74	10.75
HWx-1West	11/21/2005	19.96	5.42	14.54	0.01	5.43	14.54	14.55
HWx-1West	12/27/2005	19.96	--	--	--	4.01	15.95	15.95
HWx-1West	1/30/2006	19.96	--	--	--	1.72	18.24	18.24
HWx-1West	2/16/2006	19.96	3.79	16.17	0.01	3.80	16.17	16.18
HWx-1West	3/13/2006	19.96	--	--	--	4.52	15.44	15.44
HWx-1West	4/18/2006	19.96	--	--	--	4.48	15.48	15.48
HWx-1West	5/12/2006	19.96	--	--	--	4.80	15.16	15.16
HWx-1West	6/9/2006	19.96	--	--	--	4.52	15.44	15.44
HWx-1West	7/13/2006	19.96	--	--	--	9.89	10.07	10.07
HWx-1West	8/16/2006	19.96	--	--	--	6.20	13.76	13.76
HWx-1West	9/19/2006	19.96	--	--	--	6.87	13.09	13.09
HWx-1West	10/13/2006	19.96	--	--	--	6.57	13.39	13.39
HWx-1West	11/20/2006	19.96	--	--	--	2.76	17.20	17.20
HWx-1West	12/8/2006	19.96	--	--	--	2.91	17.05	17.05
HWx-1West	1/19/2007	19.96	--	--	--	2.60	17.36	17.36
HWx-1West	2/19/2007	19.96	--	--	--	4.26	15.70	15.70
HWx-1West	3/15/2007	19.96	--	--	--	3.42	16.54	16.54
HWx-1West	4/16/2007	19.96	--	--	--	3.95	16.01	16.01
HWx-1West	5/14/2007	19.96	--	--	--	4.95	15.01	15.01
HWx-1West	6/29/2007	19.96	--	--	--	9.06	10.90	10.90
HWx-1West	7/20/2007	19.96	--	--	--	6.43	13.53	13.53
HWx-1West	8/21/2007	19.96	--	--	--	8.05	11.91	11.91
HWx-1West	9/10/2007	19.96	--	--	--	8.11	11.85	11.85
HWx-1West	10/22/2007	19.96	--	--	--	5.98	13.98	13.98
HWx-1West	11/28/2007	19.96	--	--	--	5.23	14.73	14.73
HWx-1West	12/13/2007	19.96	--	--	--	4.18	15.78	15.78
HWx-1West	1/21/2008	19.96	--	--	--	4.38	15.58	15.58
HWx-1West	2/24/2008	19.96	--	--	--	4.72	15.24	15.24
HWx-1West	3/24/2008	19.96	--	--	--	5.06	14.90	14.90
HWx-1West	8/25/2008	19.96	--	--	--	6.90	13.06	13.06
HWx-1West	2/18/2009	19.96	--	--	--	5.02	14.94	14.94
HWx-1West	8/25/2009	19.96	--	--	--	7.21	12.75	12.75
HWx-1West	3/22/2010	19.96	--	--	--	9.60	10.36	10.36
HWx-1West	8/23/2010	19.96	--	--	--	9.24	10.72	10.72
HWx-1West	2/7/2011	19.96	--	--	--	4.13	15.83	15.83
HWx-1West	5/27/2011	19.96	--	--	Not Monitored			
MW-1	11/14/2011	20.51	--	--	--	8.45	12.06	--
MW-1	2/20/2012	20.51	--	--	--	6.96	13.55	--
MW-1	8/22/2012	20.51	--	--	--	9.60	10.91	--
MW-1	11/5/2012	20.51	--	--	--	7.91	12.60	--
MW-1	1/28/2013	20.51	--	--	--	7.41	13.10	--
MW-1	5/9/2013	20.51	--	--	--	8.24	12.27	--
MW-1	8/19/2013	20.51	--	--	--	10.45	10.06	--
MW-1	11/25/2013	20.51	--	--	--	8.02	12.49	--
MW-1	2/14/2014	20.51	--	--	--	7.71	12.80	--
MW-1	5/5/2014	20.51	--	--	--	7.04	13.47	--
MW-1	8/19/2014	20.51	--	--	--	9.16	11.35	--
MW-1	11/21/2014	20.51	--	--	--	7.97	12.54	--
MW-1	11/14/2016	20.51	--	--	--	7.49	13.02	--
MW-1	11/16/2016	20.51	--	--	--	--	--	--
MW-1	2/16/2017	20.51	--	--	--	7.01	13.50	--
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	--



Table 5

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

MW-1	8/28/2018	20.51	--	--	--	10.55	9.96	--
MW-1	12/17/2018	20.51	--	--	--	7.48	13.03	--
MW-1	3/14/2019	20.51	--	--	--	7.70	12.81	--
MW-1	6/12/2019	20.51	--	--	--	8.83	11.68	--
MW-1	9/23/2019	20.51	--	--	--	8.85	11.66	--
MW-1	12/4/2019	20.51	--	--	--	8.90	11.61	--
MW-1	2/25/2020	20.51	--	--	--	7.42	13.09	--
MW-1	6/12/2020	20.51	--	--	--	8.52	11.99	--
MW-1	9/17/2020	20.51	--	--	--	9.87	10.64	--
MW-1	12/2/2020	20.51	--	--	--	7.76	12.75	--
MW-1	3/16/2021	20.51	--	--	--	6.24	14.27	--
MW-1	5/24/2021	20.51	--	--	--	8.72	11.79	--
MW-1	9/14/2021	20.51	--	--	--	10.42	10.09	--
MW-1	12/20/2021	20.51	--	--	--	7.38	13.13	--
MW-1	3/1/2022	20.51	--	--	--	4.27	16.24	--
MW-1	6/9/2022	20.51	--	--	--	7.65	12.86	--
MW-1	9/1/2022	20.51	--	--	--	9.85	10.66	--
MW-1	11/8/2022	20.51	--	--	--	8.45	12.06	--
MW-1	2/20/2023	20.51	--	--	--	7.98	12.53	--
MW-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-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	--

Table 5

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

MW-3	11/8/2022	21.21	--	--	--	8.05	13.16	--
MW-3	2/20/2023	21.21	--	--	--	6.74	14.47	--
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-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-6	11/14/2011	22.30	--	--	--	10.30	12.00	--
MW-6	2/20/2012	22.30	--	--	--	9.36	12.94	--
MW-6	8/22/2012	22.30	--	--	--	11.30	11.00	--
MW-6	11/5/2012	22.30	--	--	--	9.68	12.62	--
MW-6	1/28/2013	22.30	--	--	--	9.63	12.67	--
MW-6	5/9/2013	22.30	--	--	--	10.09	12.21	--
MW-6	8/19/2013	22.30	--	--	--	11.95	10.35	--
MW-6	11/25/2013	22.30	--	--	--	9.71	12.59	--
MW-6	2/14/2014	22.30	--	--	--	9.13	13.17	--
MW-6	5/5/2014	22.30	--	--	--	8.64	13.66	--
MW-6	8/19/2014	22.30	--	--	--	10.54	11.76	--
MW-6	11/21/2014	22.30	--	--	--	9.28	13.02	--
MW-6	11/14/2016	22.30	--	--	--	9.06	13.24	--
MW-6	11/17/2016	22.30	--	--	--	--	--	--
MW-6	11/17/2016	22.30	--	--	--	--	--	--
MW-6	2/16/2017	22.30	--	--	--	8.23	14.07	--
MW-6	5/24/2017	22.30	--	--	--	9.38	12.92	--
MW-6	9/26/2017	22.30	--	--	--	10.87	11.43	--
MW-6	9/28/2017	22.30	--	--	--	--	--	--

Table 5

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

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-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-8	11/14/2011	21.54	--	--	--	9.59	11.95	--
MW-8	2/20/2012	21.54	--	--	--	8.39	13.15	--
MW-8	8/22/2012	21.54	--	--	--	10.50	11.04	--
MW-8	11/5/2012	21.54	--	--	--	9.00	12.54	--
MW-8	1/28/2013	21.54	--	--	--	8.78	12.76	--
MW-8	5/9/2013	21.54	--	--	--	9.29	12.25	--
MW-8	8/19/2013	21.54	--	--	--	11.22	10.32	--
MW-8	11/25/2013	21.54	--	--	--	8.95	12.59	--
MW-8	2/14/2014	21.54	--	--	--	8.41	13.13	--
MW-8	5/5/2014	21.54	--	--	--	7.80	13.74	--
MW-8	8/19/2014	21.54	--	--	--	9.88	11.66	--
MW-8	11/14/2016	21.54	--	--	--	7.71	13.83	--
MW-8	11/17/2016	21.54	--	--	--	--	--	--
MW-8	2/16/2017	21.54	--	--	--	7.41	14.13	--
MW-8	5/24/2017	21.54	--	--	--	8.46	13.08	--
MW-8	9/26/2017	21.54	--	--	--	10.91	10.63	--
MW-8	12/13/2017	21.54	--	--	--	8.23	13.31	--
MW-8	2/26/2018	21.54	--	--	--	8.36	13.18	--
MW-8	6/11/2018	21.54	--	--	--	9.47	12.07	--
MW-8	8/29/2018	21.54	--	--	--	11.20	10.34	--
MW-8	12/17/2018	21.54	--	--	--	8.21	13.33	--
MW-8	3/11/2019	21.54	--	--	--	8.54	13.00	--
MW-8	6/12/2019	21.54	--	--	--	10.35	11.19	--
MW-8	12/4/2019	21.54	--	--	--	8.71	12.83	--
MW-8	2/24/2020	21.54	--	--	--	8.05	13.49	--
MW-8	6/12/2020	21.54	--	--	--	8.67	12.87	--
MW-8	9/16/2020	21.54	--	--	--	10.27	11.27	--
MW-8	12/2/2020	21.54	--	--	--	8.12	13.42	--
MW-8	3/16/2021	21.54	--	--	--	9.80	11.74	--
MW-8	5/24/2021	21.54	--	--	--	10.50	11.04	--
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-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	--

Table 5

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

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-11	2/20/2012	16.80	--	--	--	3.98	12.82	--
MW-11	8/22/2012	16.80	--	--	--	6.31	10.49	--
MW-11	11/5/2012	16.80	--	--	--	4.75	12.05	--
MW-11	1/28/2013	16.80	--	--	--	4.26	12.54	--
MW-11	5/9/2013	16.80	--	--	--	5.12	11.68	--
MW-11	8/19/2013	16.80	--	--	--	6.89	9.91	--
MW-11	11/25/2013	16.80	--	--	--	4.52	12.28	--
MW-11	2/14/2014	16.80	--	--	--	3.99	12.81	--
MW-11	5/5/2014	16.80	--	--	--	3.21	13.59	--
MW-11	8/19/2014	16.80	--	--	--	5.69	11.11	--
MW-11	11/21/2014	16.80	--	--	--	4.65	12.15	--
MW-11	11/14/2016	16.80	--	--	--	3.88	12.92	--
MW-11	11/18/2016	16.80	--	--	--	--	--	--
MW-11	2/17/2017	16.80	--	--	--	3.45	13.35	--
MW-11	5/25/2017	16.80	--	--	--	4.38	12.42	--
MW-11	9/26/2017	16.80	--	--	--	6.20	10.60	--
MW-11	9/27/2017	16.80	--	--	--	--	--	--
MW-11	12/12/2017	16.80	--	--	--	4.75	12.05	--
MW-11	2/26/2018	16.80	--	--	--	4.38	12.42	--
MW-11	6/11/2018	16.80	--	--	--	5.62	11.18	--
MW-11	6/26/2018	16.80	--	--	--	5.99	10.81	--
MW-11	8/28/2018	16.80	--	--	--	6.66	10.14	--
MW-11	3/14/2019	16.80	--	--	--	4.48	12.32	--
MW-11	6/12/2019	16.80	--	--	--	5.65	11.15	--
MW-11	9/23/2019	16.80	--	--	--	4.76	12.04	--
MW-11	12/4/2019	16.80	--	--	--	4.80	12.00	--
MW-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	--

Table 5

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

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-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-13	2/20/2012	21.24	--	--	--	5.51	15.73	--
MW-13	8/22/2012	21.24	--	--	--	10.00	11.24	--
MW-13	11/5/2012	21.24	--	--	--	8.35	12.89	--
MW-13	1/28/2013	21.24	--	--	--	5.74	15.50	--
MW-13	5/9/2013	21.24	--	--	--	8.76	12.48	--
MW-13	8/19/2013	21.24	--	--	--	10.78	10.46	--
MW-13	11/25/2013	21.24	--	--	--	7.90	13.34	--
MW-13	2/14/2014	21.24	--	--	--	5.36	15.88	--
MW-13	5/5/2014	21.24	--	--	--	4.73	16.51	--
MW-13	8/19/2014	21.24	--	--	--	9.49	11.75	--
MW-13	11/21/2014	21.24	--	--	--	5.71	15.53	--
MW-13	11/14/2016	21.24	--	--	--	4.92	16.32	--
MW-13	11/17/2016	21.24	--	--	--	--	--	--
MW-13	2/16/2017	21.24	--	--	--	3.74	17.50	--
MW-13	5/25/2017	21.24	--	--	--	5.40	15.84	--
MW-13	9/26/2017	21.24	--	--	--	9.77	11.47	--
MW-13	9/27/2017	21.24	--	--	--	--	--	--
MW-13	12/13/2017	21.24	--	--	--	4.62	16.62	--
MW-13	2/26/2018	21.24	--	--	--	5.27	15.97	--
MW-13	6/11/2018	21.24	--	--	--	8.97	12.27	--
MW-13	6/26/2018	21.24	--	--	--	9.77	11.47	--
MW-13	8/28/2018	21.24	--	--	--	10.88	10.36	--
MW-13	12/17/2018	21.24	--	--	--	5.50	15.74	--
MW-13	3/14/2019	21.24	--	--	--	5.25	15.99	--
MW-13	6/12/2019	21.24	--	--	--	9.25	11.99	--
MW-13	9/23/2019	21.24	--	--	--	8.69	12.55	--
MW-13	12/4/2019	21.24	--	--	--	7.90	13.34	--
MW-13	2/25/2020	21.24	--	--	--	4.51	16.73	--
MW-13	6/12/2020	21.24	--	--	--	7.63	13.61	--
MW-13	9/17/2020	21.24	--	--	--	9.72	11.52	--
MW-13	12/2/2020	21.24	--	--	--	6.73	14.51	--
MW-13	3/16/2021	21.24	--	--	--	5.24	16.00	--
MW-13	5/24/2021	21.24	--	--	--	8.90	12.34	--
MW-13	9/15/2021	21.24	--	--	--	10.26	10.98	--
MW-13	12/20/2021	21.24	--	--	--	4.45	16.79	--
MW-13	3/1/2022	21.24	--	--	--	4.28	16.96	--
MW-13	6/9/2022	21.24	--	--	--	5.59	15.65	--
MW-13	9/1/2022	21.24	--	--	--	9.20	12.04	--
MW-13	11/8/2022	21.24	--	--	--	7.92	13.32	--
MW-13	2/20/2023	21.24	--	--	--	5.20	16.04	--
MW-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	--

Table 5

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

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-16	2/20/2012	21.24	--	--	--	8.23	13.01	--
MW-16	8/22/2012	21.24	--	--	--	10.63	10.61	--
MW-16	11/5/2012	21.24	--	--	--	8.61	12.63	--
MW-16	1/28/2013	21.24	--	--	--	8.54	12.70	--
MW-16	5/9/2013	21.24	--	--	--	8.97	12.27	--
MW-16	8/19/2013	21.24	--	--	--	10.85	10.39	--
MW-16	11/25/2013	21.24	--	--	--	8.54	12.70	--
MW-16	2/14/2014	21.24	--	--	--	6.72	14.52	--
MW-16	5/5/2014	21.24	--	--	--	6.61	14.63	--
MW-16	8/19/2014	21.24	--	--	--	9.55	11.69	--
MW-16	11/21/2014	21.24	--	--	--	8.12	13.12	--
MW-16	11/14/2016	21.24	--	--	--	7.01	14.23	--
MW-16	11/17/2016	21.24	--	--	--	--	--	--
MW-16	2/17/2017	21.24	--	--	--	4.11	17.13	--
MW-16	5/25/2017	21.24	--	--	--	6.89	14.35	--
MW-16	9/26/2017	21.24	--	--	--	9.41	11.83	--
MW-16	9/27/2017	21.24	--	--	--	--	--	--
MW-16	12/13/2017	21.24	--	--	--	6.26	14.98	--
MW-16	2/26/2018	21.24	--	--	--	7.21	14.03	--
MW-16	6/11/2018	21.24	--	--	--	8.88	12.36	--
MW-16	6/26/2018	21.24	--	--	--	9.48	11.76	--
MW-16	8/28/2018	21.24	--	--	--	10.67	10.57	--
MW-16	12/17/2018	21.24	--	--	--	6.75	14.49	--
MW-16	3/14/2019	21.24	--	--	--	7.27	13.97	--
MW-16	6/12/2019	21.24	--	--	--	8.87	12.37	--
MW-16	9/23/2019	21.24	--	--	--	8.15	13.09	--
MW-16	12/4/2019	21.24	--	--	--	7.59	13.65	--
MW-16	2/25/2020	21.24	--	--	--	5.95	15.29	--
MW-16	6/12/2020	21.24	--	--	--	7.83	13.41	--
MW-16	9/17/2020	21.24	--	--	--	9.34	11.90	--
MW-16	12/2/2020	21.24	--	--	--	7.31	13.93	--
MW-16	3/16/2021	21.24	--	--	--	6.52	14.72	--
MW-16	5/24/2021	21.24	--	--	--	8.58	12.66	--
MW-16	9/15/2021	21.24	--	--	--	9.67	11.57	--
MW-16	12/20/2021	21.24	--	--	--	6.42	14.82	--
MW-16	3/1/2022	21.24	--	--	--	4.93	16.31	--
MW-16	6/9/2022	21.24	--	--	--	7.62	13.62	--
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-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	--

Table 5

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

MW-17	5/25/2017	13.34	--	--	--	1.27	12.07	--
MW-17	9/26/2017	13.34	--	--	--	2.94	10.40	--
MW-17	9/27/2017	13.34	--	--	--	--	--	--
MW-17	12/12/2017	13.34	--	--	--	1.11	12.23	--
MW-17	2/26/2018	13.34	--	--	--	1.08	12.26	--
MW-17	6/11/2018	13.34	--	--	--	2.21	11.13	--
MW-17	6/26/2018	13.34	--	--	--	2.69	10.65	--
MW-17	8/28/2018	13.34	--	--	--	3.31	10.03	--
MW-17	9/23/2019	13.34	--	--	--	1.55	11.79	--
DW-1	11/14/2011	20.69	--	--	--	8.91	11.78	--
DW-1	2/20/2012	20.69	--	--	--	7.76	12.93	--
DW-1	8/22/2012	20.69	--	--	--	9.79	10.90	--
DW-1	11/5/2012	20.69	--	--	--	8.12	12.57	--
DW-1	1/28/2013	20.69	--	--	--	8.06	12.63	--
DW-1	5/9/2013	20.69	--	--	--	8.46	12.23	--
DW-1	8/19/2013	20.69	--	--	--	10.66	10.03	--
DW-1	11/25/2013	20.69	--	--	--	8.19	12.50	--
DW-1	2/14/2014	20.69	--	--	--	7.86	12.83	--
DW-1	5/5/2014	20.69	--	--	--	7.13	13.56	--
DW-1	8/19/2014	20.69	--	--	--	9.35	11.34	--
DW-1	11/21/2014	20.69	--	--	--	7.84	12.85	--
DW-2	11/14/2011	21.36	--	--	--	9.79	11.57	--
DW-2	2/20/2012	21.36	--	--	--	8.40	12.96	--
DW-2	8/22/2012	21.36	--	--	--	10.45	10.91	--
DW-2	11/5/2012	21.36	--	--	--	8.96	12.40	--
DW-2	1/28/2013	21.36	--	--	--	8.87	12.49	--
DW-2	5/9/2013	21.36	--	--	--	9.36	12.00	--
DW-2	8/19/2013	21.36	--	--	--	10.36	11.00	--
DW-2	11/25/2013	21.36	--	--	--	9.96	11.40	--
DW-2	2/14/2014	21.36	--	--	--	8.41	12.95	--
DW-2	5/5/2014	21.36	--	--	--	8.00	13.36	--
DW-2	8/19/2014	21.36	--	--	--	10.12	11.24	--
DW-2	11/21/2014	21.36	--	--	--	9.21	12.15	--
DW-2	2/20/2023	21.36	--	--	--	8.64	12.72	--
DW-3	11/14/2011	21.75	--	--	--	10.26	11.49	--
DW-3	2/20/2012	21.75	--	--	--	8.95	12.80	--
DW-3	8/22/2012	21.75	--	--	--	11.01	10.74	--
DW-3	11/5/2012	21.75	--	--	--	9.38	12.37	--
DW-3	1/28/2013	21.75	--	--	--	9.39	12.36	--
DW-3	5/9/2013	21.75	--	--	--	9.87	11.88	--
DW-3	8/19/2013	21.75	--	--	--	11.88	9.87	--
DW-3	11/25/2013	21.75	--	--	--	9.49	12.26	--
DW-3	2/14/2014	21.75	--	--	--	9.00	12.75	--
DW-3	5/5/2014	21.75	--	--	--	8.31	13.44	--
DW-3	11/21/2014	21.75	--	--	--	9.29	12.46	--
DW-3	9/23/2019	21.75	--	--	--	7.60	14.15	--
DW-4	8/22/2012	16.61	--	--	--	5.91	10.70	--
DW-4	11/5/2012	16.61	--	--	--	4.08	12.53	--
DW-4	1/28/2013	16.61	--	--	--	4.69	11.92	--
DW-4	5/9/2013	16.61	--	--	--	4.69	11.92	--
DW-4	8/19/2013	16.61	--	--	--	6.39	10.22	--
DW-4	11/25/2013	16.61	--	--	--	4.41	12.20	--
DW-4	2/14/2014	16.61	--	--	--	3.66	12.95	--
DW-4	5/5/2014	16.61	--	--	--	2.94	13.67	--
DW-4	8/19/2014	16.61	--	--	--	5.44	11.17	--
DW-4	11/21/2014	16.61	--	--	--	4.35	12.26	--
BR-1	11/5/2012	19.55	--	--	--	8.18	11.37	--
BR-1	1/28/2013	19.55	--	--	--	9.60	9.95	--
BR-1	5/9/2013	19.55	--	--	--	10.80	8.75	--
BR-1	8/19/2013	19.55	--	--	--	10.96	8.59	--
BR-1	11/25/2013	19.55	--	--	--	10.03	9.52	--
BR-1	2/14/2014	19.55	--	--	--	7.42	12.13	--
BR-1	5/5/2014	19.55	--	--	--	5.88	13.67	--
BR-1	8/19/2014	19.55	--	--	--	10.58	8.97	--
BR-1	11/21/2014	19.55	--	--	--	9.69	9.86	--
BR-2	11/5/2012	18.08	--	--	--	6.73	11.35	--
BR-2	1/28/2013	18.08	--	--	--	8.02	10.06	--
BR-2	5/9/2013	18.08	--	--	--	9.33	8.75	--
BR-2	8/19/2013	18.08	--	--	--	9.42	8.66	--
BR-2	11/25/2013	18.08	--	--	--	8.55	9.53	--
BR-2	2/14/2014	18.08	--	--	--	6.04	12.04	--
BR-2	5/5/2014	18.08	--	--	--	4.44	13.64	--
BR-2	8/19/2014	18.08	--	--	--	9.05	9.03	--
BR-2	11/21/2014	18.08	--	--	--	7.61	10.47	--
WS-1	1/28/2013	12.24	--	--	DRY	--	--	--
WS-1	5/9/2013	12.24	--	--	DRY	--	--	--
WS-1	8/19/2013	12.24	--	--	DRY	--	--	--
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	--

Table 5

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

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	5/9/2013	14.92	--	--	--	0.25	15.17	--
WS-4	8/19/2013	14.92	--	--	DRY	--	--	--
WS-4	2/14/2014	14.92	--	--	--	0.68	15.60	--
WS-4	5/5/2014	14.92	--	--	--	1.38	16.30	--
WS-4	8/19/2014	14.92	--	--	DRY	--	--	--
WS-4	11/21/2014	14.92	--	--	--	0.39	14.53	--
TW-1	5/9/2013	21.4	--	--	--	9.33	12.07	--
TW-1	8/19/2013	21.4	--	--	--	11.07	10.33	--
TW-1	11/25/2013	21.4	--	--	--	8.83	12.57	--
TW-1	2/14/2014	21.4	--	--	--	8.23	13.17	--
TW-1	5/5/2014	21.4	--	--	--	7.52	13.88	--
TW-1	8/19/2014	21.4	--	--	--	9.91	11.49	--
TW-2	5/9/2013	21.19	7.2	--	0.33	7.53	13.91	--
TW-2	8/19/2013	21.19	8.03	--	0.39	8.42	13.06	--
TW-2	11/25/2013	21.19	8.1	--	0.27	8.37	13.02	--
TW-2	2/14/2014	21.19	--	--	--	8.12	13.07	--
TW-2	5/5/2014	21.19	6.04	15.15	0.87	6.91	14.93	--
TW-2	8/19/2014	21.19	7.93	13.26	0.33	8.26	13.18	--
TW-3	5/9/2013	21.2	--	--	--	9.35	11.85	--
TW-3	8/19/2013	21.2	--	--	--	11.09	10.11	--
TW-3	11/25/2013	21.2	--	--	--	8.88	12.32	--
TW-3	2/14/2014	21.2	--	--	--	7.31	13.89	--
TW-3	5/5/2014	21.2	--	--	--	7.52	13.68	--
TW-3	8/19/2014	21.2	--	--	--	9.89	11.31	--
TW-4	5/9/2013	21.27	--	--	--	8.49	12.78	--
TW-4	8/19/2013	21.27	--	--	--	9.16	12.11	--
TW-4	11/25/2013	21.27	--	--	--	8.34	12.93	--
TW-4	2/14/2014	21.27	--	--	--	7.19	14.08	--
TW-4	5/5/2014	21.27	--	--	--	5.42	15.85	--
TW-4	8/19/2014	21.27	--	--	--	8.65	12.62	--
TW-5	5/9/2013	21.35	--	--	--	9.34	12.01	--
TW-5	8/19/2013	21.35	--	--	--	11.29	10.06	--
TW-5	11/25/2013	21.35	--	--	--	9.01	12.34	--
TW-5	2/14/2014	21.35	--	--	--	8.45	12.90	--
TW-5	5/5/2014	21.35	--	--	--	7.69	13.66	--
TW-5	8/19/2014	21.35	--	--	--	10.05	11.30	--
TW-6	5/9/2013	21.35	8.32	--	0.08	8.40	13.01	--
TW-6	8/19/2013	21.35	--	--	--	8.98	12.37	--
TW-6	11/25/2013	21.35	8.29	--	0.27	8.56	12.99	--
TW-6	2/14/2014	21.35	7.9	--	0.64	8.54	13.29	--
TW-6	5/5/2014	21.35	7.39	13.96	1.09	8.48	13.69	--
TW-6	8/19/2014	21.35	--	--	--	8.58	12.77	--
TW-7	5/9/2013	21.31	--	--	--	9.39	11.92	--
TW-7	8/19/2013	21.31	--	--	--	11.23	10.08	--
TW-7	11/25/2013	21.31	--	--	--	8.91	12.40	--
TW-7	2/14/2014	21.31	--	--	--	8.41	12.90	--
TW-7	5/5/2014	21.31	--	--	--	7.91	13.40	--
TW-7	8/19/2014	21.31	--	--	--	10.00	11.31	--
TW-8	5/9/2013	21.36	--	--	--	8.22	13.14	--
TW-8	8/19/2013	21.36	--	--	--	8.66	12.70	--
TW-8	11/25/2013	21.36	--	--	--	8.68	12.68	--
TW-8	2/14/2014	21.36	--	--	--	8.03	13.33	--
TW-8	5/5/2014	21.36	--	--	--	6.69	14.67	--
TW-8	8/19/2014	21.36	--	--	--	8.29	13.07	--
AS-1	5/9/2013	21.24	--	--	--	9.34	11.90	--
AS-1	8/19/2013	21.24	--	--	--	11.28	9.96	--
AS-1	11/25/2013	21.24	--	--	--	8.98	12.26	--
AS-1	2/14/2014	21.24	--	--	--	8.46	12.78	--
AS-1	5/5/2014	21.24	--	--	--	7.63	13.61	--
AS-1	8/19/2014	21.24	--	--	--	10.01	11.23	--
EX-1	5/9/2013	21.54	8.57	--	1.46	10.03	12.61	--
EX-1	8/19/2013	21.54	10.41	--	0.71	11.12	10.95	--
EX-1	11/25/2013	21.54	8.39	--	1.57	9.96	12.76	--
EX-1	2/14/2014	21.54	7.76	--	2.22	9.98	13.23	--
EX-1	5/5/2014	21.54	7.3	14.24	2.78	10.08	13.55	--
EX-1	8/19/2014	21.54	9.86	11.68	0.41	10.27	11.58	--
EX-1	7/11/2016	--	9.05	--	0.55	9.60	--	--
EX-1	7/11/2017	--	7.8	--	1.91	9.71	--	--
EX-1	12/11/2017	21.54	4.92	16.62	4.72	9.64	15.68	--
EX-1	2/26/2018	21.54	--	--	--	--	--	--
EX-1	6/11/2018	21.54	8.75	12.79	0.63	9.38	12.66	--
EX-1	12/17/2018	21.54	7.38	14.16	1.94	9.32	13.77	--
EX-1	3/11/2019	21.54	7.38	14.16	1.89	9.27	13.78	--
EX-1	6/12/2019	21.54	7.05	14.49	2.21	9.26	14.05	--
EX-1	9/23/2019	21.54	8.30	13.24	0.95	9.25	13.05	--
EX-1	12/4/2019	21.54	7.80	13.74	1.31	9.11	13.48	--
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	--



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

P-1	5/9/2013	21.47	8.76	--	0.07	8.83	12.69	--
P-1	8/19/2013	21.47	10.38	--	0.41	10.79	10.99	--
P-1	11/25/2013	21.47	8.57	--	0.21	8.78	12.85	--
P-1	2/14/2014	21.47	7.89	--	1.36	9.25	13.24	--
P-1	5/5/2014	21.47	7.3	14.17	2.46	9.76	13.56	--
P-1	8/19/2014	21.47	9.79	11.68	0.42	10.21	11.58	--
P-1	11/14/2016	21.47	--	--	--	9.36	12.11	--
P-1	2/16/2017	21.47	6.19	15.28	3.31	9.50	14.62	--
P-1	5/24/2017	21.47	8.33	13.14	1.08	9.41	12.92	--
P-1	9/26/2017	21.47	10.15	11.32	0.87	11.02	11.15	--
P-1	12/11/2017	21.47	7.65	13.82	1.49	9.14	13.52	--
P-1	2/26/2018	21.47	8.8	12.67	0.62	9.42	12.55	--
P-1	6/11/2018	21.47	9.20	12.27	0.48	9.68	12.17	--
P-1	8/27/2018	21.47	--	--	--	11.09	10.38	--
P-1	12/17/2018	21.47	7.66	13.81	1.98	9.64	13.41	--
P-2	5/9/2013	21.6	8.65	--	1.32	9.97	12.62	--
P-2	8/19/2013	21.6	10.22	--	1.99	12.21	10.88	--
P-2	11/25/2013	21.6	8.46	--	1.4	9.86	12.79	--
P-2	2/14/2014	21.6	7.97	--	1.48	9.45	13.26	--
P-2	5/5/2014	21.6	7.55	14.05	1.87	9.42	13.58	--
P-2	8/19/2014	21.6	9.66	11.94	1.65	11.31	11.53	--
P-2	11/14/2016	21.60	7.71	13.89	1.89	9.60	13.51	--
P-2	2/16/2017	21.60	6.78	14.82	2.27	9.05	14.37	--
P-2	5/24/2017	21.60	7.73	13.87	1.75	9.48	13.52	--
P-2	9/26/2017	21.60	10.32	11.28	1.25	11.57	11.03	--
P-2	12/11/2017	21.60	8.5	13.1	0.61	9.11	12.98	--
P-2	2/26/2018	21.60	9.15	12.45	0.68	9.83	12.31	--
P-2	6/11/2018	21.60	9.60	12	0.97	10.57	11.81	--
P-2	8/27/2018	21.60	10.61	10.99	1.76	12.37	10.64	--
P-2	12/17/2018	21.60	8.35	13.25	1.01	9.36	13.05	--

## Notes:

All measurement are recorded in feet.

-- = Not Applicable, no data

NM = Not Measured

Groundwater elevations adjusted for the presence of separate phase hydrocarbons using a factor of 0.73

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol	
		800	500	500	5	1,000	700	1,000	20	--	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
HB-1	12/7/1993	61	--	--	<0.50	<0.50	0.14	0.12	--	--	
HB-2	12/7/1993	68	--	--	0.092	<0.50	0.17	0.13	--	--	
R-1	9/17/1997	3,360,000	206,000	23,500	7,620	3,460	1,460	9,460	--	--	
W-1	5/23/2000	190,000	160,000	<100,000	34,000	42,000	3,600	23,000	--	--	
W-1	5/24/2001				LPH Encountered						
W-1	6/5/2002	130,000	79,000	<9,400	17,000	27,000	2,700	19,000	--	--	
W-1	11/25/2002	155,000	16.7	0.500	17,600	24,800	2,950	19,500	--	--	
W-1	5/29/2003	170,000	79,000	<4,800	20,000	25,000	3,400	23,000	--	--	
W-1	6/16/2004				LPH Encountered						
W-1	6/20/2005	93,000	120,000	<11,000	12,000	13,000	1,600	12,000	--	--	
W-1	6/7/2006	69,500	7,500	337	8,680	6,260	726	8,240	--	--	
W-1	10/23/2006	91,700	9,070	<183	14,500	8,400	2,420	20,800	--	--	
W-1	3/14/2007	70,300	16,100	<740	8,920	2,800	1,010	17,600	--	--	
W-1 (DUP)	3/14/2007	63,200	11,000	<370	9,340	3,010	1,130	19,200	--	--	
W-1	9/11/2007				Insufficient Groundwater to Sample						
W-1	6/4/2008	81,900	23,900	1,370	14,600	697	1,510	17,100	--	--	
W-1	8/25/2008				Insufficient Groundwater to Sample						
W-1	3/24/2010	76,400	2,510	<381	22,300	7,190	2,640	16,900	6.9	<250	
W-1	8/27/2010	56,200	8,170	<400	16,500	2,550	2,270	14,400	<1.0	<250	
W-1	2/9/2011	74,200	2,960	<377	12,000	1,210	1,650	13,700	58.7	--	
W-1	5/24/2011	80,400	2,800	<450	11,400	1,570	1,670	15,500	74	--	
W-1	8/16/2011	58,400	184,000	<6700	16,300	804	1,600	16,000	25.4 J	--	
W-1	2/23/2012	179,000	2,700	<380	9,850	530	2,120	41,600	13.7	--	
W-1	5/10/2012	46,600	10,000	<380	6,310	158	936	11,700	50.9	--	
W-1	8/24/2012	51,500 <sup>10</sup>	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 <sup>1</sup>	5,050 <sup>1,3</sup>	363 <sup>1</sup>	18,700 <sup>1</sup>	147 <sup>1</sup>	1,970 <sup>1</sup>	3,630 <sup>1</sup>	24 <sup>1</sup>	74.4 <sup>1</sup>	
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	

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --	
W-2	2/9/2011	11,500	19,200	3,530	9,010	74.4	2,090	3,820	10.7	--	
W-2	8/15/2011	13,400	940	<380	10,200	169 J	1,110	1,180	19.5 J	--	
W-2	3/1/2012	57,500	1,900	<380	18,500	--	5,330	3,050	--	--	
W-2	8/29/2012	21,900 <sup>10</sup>	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 <sup>1</sup>	3,240 <sup>1,3</sup>	46.8 <sup>1</sup>	763 <sup>1</sup>	176	564	1,450 <sup>1</sup>	0.42 <sup>1</sup>	74.4 <sup>1</sup>	
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 <sup>1</sup>	15,100 <sup>1,4</sup>	1,810 <sup>1,4</sup>	1,370 <sup>1</sup>	20.1 <sup>1</sup>	750 <sup>1</sup>	39.5 <sup>1</sup>	1.21 <sup>1</sup>	74.4 <sup>1</sup>	
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	--	--	

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES		
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol	
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--	
B-1	9/17/1997	475	9,980	25,500	84.6	2.63	6.43	21.8	--	--	
B-1	5/1/1998	560	5,500	13,000	300	10	24	94	--	--	
B-1	5/23/2000	1,800	23,000	52,000	1,000	14	170	160	--	--	
B-1	5/24/2001	2,800	5,500	6,300	1,300	25	410	220	--	--	
B-1	6/5/2002	86J	17,000	29,000	37	0.66J	6.6	6.9	--	--	
B-1	5/29/2003	1,100J	4,700	8,300	760	26	180	65	--	--	
B-1	6/15/2004	1,600	8,700	18,000	890	10	180	110	--	--	
B-1	6/20/2005	550J	2,700J	5,300J	540	5.5	79	45	--	--	
B-1	6/6/2006	3,300J	1,570	553	602	5.87	137	43.9	--	--	
B-1	10/24/2006	3,770	884	800	363	6.65	113	26.8	--	--	
B-1	3/14/2007	2,420	1,720	<185	118	4.35	188	21.3	--	--	
B-1	9/12/2007	3,610	--	--	664	9.88	155	43.6	--	--	
B-1	6/4/2008	2,570	2,990	7,770	355	3.54	54.7	37.3	--	--	
B-1	8/27/2008	4,330 <sup>1</sup>	-- <sup>1</sup>	-- <sup>1</sup>	741 <sup>1</sup>	8.4 <sup>1</sup>	75.1 <sup>1</sup>	139 <sup>1</sup>	<0.42 <sup>1</sup>	74.4 <sup>1</sup>	
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 <sup>1</sup>	4,820 <sup>1,3</sup>	<100 <sup>1,7</sup>	4,280 <sup>1</sup>	47.8 <sup>1</sup>	243 <sup>1</sup>	2,270 <sup>1</sup>	4.1 <sup>1</sup>	<74.4 <sup>1</sup>	
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 <sup>10</sup>	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	--	

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
B-3	5/24/2001					LPH Encountered				
B-3	6/5/2002					LPH Encountered				
B-3	11/25/2002	--	--	--	--	--	--	--	--	--
B-3	5/27/2003					LPH Encountered				
B-3	6/15/2004					LPH Encountered				
B-3	6/20/2005					LPH Encountered				
B-3	6/6/2006					LPH Encountered				
B-3	10/23/2006					LPH Encountered				
B-3	3/14/2007					LPH Encountered				
B-3	9/11/2007					LPH Encountered				
B-3A	6/4/2008	200,000	8,410	275J	40,800	38,800	2,840	16,400	--	--
B-3A	8/27/2008	171,000 <sup>1</sup>	11,200 <sup>1,3</sup>	790 <sup>1</sup>	47,500 <sup>1</sup>	34,000 <sup>1</sup>	2,470 <sup>1</sup>	15,800 <sup>1</sup>	93.6 <sup>1</sup>	<74.4 <sup>1</sup>
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 <sup>10</sup>	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 <sup>1</sup>	3,450 <sup>1,3</sup>	199 <sup>1</sup>	604 <sup>1</sup>	192 <sup>1</sup>	1,130 <sup>1</sup>	4,630 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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 <sup>10</sup>	1,300	<400	240	80.2	470	1,230	<1.0	--
B-4 (DUP)	8/29/2012	14,500 <sup>10</sup>	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	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
B-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-5	9/17/1997	38,900	28,100	8,980	2,810	3,750	631	5,180	--	--
B-5	4/29/1998	28,000	81,000	17,000	1,600	1,100	460	4,600	--	--
B-5	7/29/1999	21,000	18,000	<2,000	1,200	240	330	2,600	--	--
B-5	5/23/2000	11,000	15,000	4,000J	690	59	230	960	--	--
B-5	5/23/2001	10,000	13,000	3,500J	2,000	120	320	2,100	--	--
B-5	6/5/2002	4,300	16,000	4,800J	940	23	230	560	--	--
B-5	11/25/2002	2,270	1.06	<0.5	126	4.31	37.4	67.4	--	--
B-5	5/29/2003	3,300	4,300	1,600J	440	26	260	260	--	--
B-5	6/15/2004	2,600	100,000	25,000	830	23	110	310	--	--
B-5	6/22/2005	980J	36,000	17,000J	630	6.7	70	140	--	--
B-5	6/6/2006	4,540J	2,860	271u	944	14.4	214	507	--	--
B-5	10/23/2006	9,010	6,440	605	1,950	23.8	372	904	--	--
B-5	3/14/2007	11,000	3,100	339	1,790	21.4	494	909	--	--
B-5 (DUP)	3/14/2007	10,500	3,500	475	1,920	21.5	497	914	--	--
B-5	9/11/07	2,740	5,580	1,530	689	9.89	72.2	191	--	--
B-5	6/3/2008	12,400	2,640	648	2,480	24.8	311	656	--	--
B-5	8/27/2008	6,990 <sup>1</sup>	5,700 <sup>1,4</sup>	909 <sup>1</sup>	1,330 <sup>1</sup>	14.2 <sup>1</sup>	103 <sup>1</sup>	180 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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 <sup>10</sup>	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 <sup>1</sup>	14,800 <sup>1,3</sup>	17,400 <sup>1,2</sup>	3,670 <sup>1</sup>	6,140 <sup>1</sup>	604 <sup>1</sup>	4,820 <sup>1</sup>	0.77 <sup>1</sup>	<74.4 <sup>1</sup>
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 <sup>10</sup>	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	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
B-6	2/7/2013	29,600	7,800	<450	1,900	1,080	224	6,000	<20.0	--
B-6	4/30/2013	28,000	510	<200	2,150	1,550	302	6,570	<25.0	--
B-6	8/20/2013	19,900	2,600	910	1,900	359	171	3,970	<10.0	--
B-6 (DUP)	8/20/2013	19,500	2,000	640 J	1,770	356	133	3,690	<20.0	--
B-6	11/19/2013	30,400	1,300	<400	6,490 J	1,920	319	5,820	<10.0	--
B-6	2/11/2014	28,600	1,100	440	3,390	1,740	298	5,770	<10.0	--
B-6	5/1/2014	26,800	1,200	2,200	3,590	1,280	321	5,630	<1.7	--
B-6	11/17/2016	28,800	2,900	1,200	6,790	59.7	1,440	4,770	--	--
B-6	5/25/2017	16,000	1,700	530	3,690	19.5	816	2,280	--	--
B-6	12/14/2017	2,540	2,000	470	414	<5.0	111	83.7	--	--
B-6	3/1/2018	2,230	1,400	<390	289	3.1	119	111	--	--
B-6	8/29/2018	4,480	4,600	1,500	886	9.5	242	77.1	--	--
B-6	2/22/2023	3,700	1,300	<100	1,700	<20	190	150	--	--
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	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
D-2	11/4/1994	<50	--	--	3.0	<0.50	<0.50	<1.0	--	--
D-2		Undocumented - Well Was Abandoned								
D-4	11/4/1994	450	--	--	<0.50	2.1	0.78	4.7	--	--
D-4	6/21/2005	Insufficient Groundwater to Sample								
D-4	6/7/2006	101	2,760	2,840	<0.290	<0.280	<0.340	<0.820	--	--
D-4	3/15/2007	92.3J	--	--	0.430J	0.460J	0.430J	0.750J	--	--
D-4	9/11/2007	Insufficient Groundwater to Sample								
D-4	6/2/2008	Insufficient Groundwater to Sample								
D-4	8/26/2008	76.2 <sup>1</sup>	268 <sup>1.5</sup>	441 <sup>1.5</sup>	<0.27 <sup>1</sup>	1.6 <sup>1</sup>	0.58 <sup>1</sup>	1.45 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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	--



Table 6

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

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

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
D-7	10/24/2006	56.2J <sub>u</sub>	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 <sup>1</sup>	-- <sup>1</sup>	-- <sup>1</sup>	96.6 <sup>1</sup>	4.96 <sup>1</sup>	1.04 <sup>1</sup>	7.08 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
D-7	3/23/2010	176	<76.2	<381	278	5.4	1.1	10.3	<1.0	<250
D-7	8/27/2010	84.2	--	--	156	1.1	<1.0	6.8	<1.0	<250
D-7	2/9/2011	65.7	554	3,470	20.2	2	<1.0	<3.0	<1.0	--
D-7	8/16/2011	<50.0	200	1,500	75	<1.0	<1.0	<3.0	<1.0	--
D-7	2/22/2012	<50.0	<77	<380	3.1	<1.0	<1.0	<3.0	<1.0	--
D-7	8/27/2012	109	2,100	10,600	150	3.6	2.0	12.8	<1.0	--
D-7	2/1/2013	<100	<450	<450	60.1	1.1	<1.0	3.2	<1.0	--
D-7	8/20/2013	<100	880	570	142	2.6 J	<1.0	<3.0	<1.0	--
D-7	2/6/2014	116 J	3,800	24,900	260	4.7	<2.0	8.7	<2.0	--
HA-1	4/14/1993	80	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-1	12/15/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-1	11/4/1994	<50	--	--	<0.50	1.3	0.61	2.2	--	--
HA-1	9/17/1997	<50	<250	<500	<0.50	<0.50	<0.50	<1.0	--	--
HA-1	4/29/1998	<50	110	540	<0.20	0.4	<0.20	1.2	--	--
HA-1	5/24/2000	100J	320	370J	0.29J	<0.20	0.71J	2.4J	--	--
HA-1	5/23/2001	<48	<80	<200	<0.2	<0.2	<0.2	<0.60	--	--
HA-1	6/4/2002	<48	<77	<97	<0.20	0.35J	<0.20	<0.60	--	--
HA-1	11/26/2002	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
HA-1	6/15/2004	<48	<80	<100	<0.2	<0.2	<0.2	<0.6	--	--
HA-1	6/22/2005	<48	<77	<97	<0.2	<0.2	<0.2	<0.6	--	--
HA-1	6/7/2006	<40	<35.8	92.7J	<0.290	<0.280	<0.340	<0.820	--	--
HA-1 (DUP)	6/7/2006	<40	<36.2	125	<0.290	<0.280	<0.340	<0.820	--	--
HA-1	10/24/2006	10.9J <sub>u</sub>	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 <sup>1</sup>	48.6 <sup>1</sup>	62.3 <sup>1</sup>	0.58 <sup>1</sup>	<0.28 <sup>1</sup>	<0.24 <sup>1</sup>	1.14 <sup>1</sup>	<0.42 <sup>1</sup>	75.2 <sup>1</sup>
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	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-2	5/23/2001	36,000	28,000	<4,000	8,100	2,100	910	5,200	--	--
HA-2	6/4/2002	81,000	68,000	<9,800	12,000	12,000	1,700	14,000	--	--
HA-2	5/27/2003	99,000	33,000	3,000J	9,200	5,800	1,800	14,000	--	--
HA-2	6/16/2004	31,000	--	--	5,800	980	690	4,500	--	--
HA-2	6/21/2005	35,000	290,000	<20,000	4,700	2,700	440	4,000	--	--
HA-2	6/6/2006	60,200	9,720	313Ju	7,710	5,560	874	10,200	--	--
HA-2	10/24/2006	31,700	--	--	4,890	1,480	794	5,610	--	--
HA-2	3/15/2007	73,600	14,900	534J	9,840	8,540	1,210	14,800	--	--
HA-2	9/12/2007	52,000	--	--	11,000	2,400	2,400	8,340	--	--
HA-2	6/4/2008	81,600	6,290	283J	8,440	5,060	2,080	11,400	--	--
HA-2	8/27/2008	60,400 <sup>1</sup>	-- <sup>1</sup>	-- <sup>1</sup>	11,600 <sup>1</sup>	4,810 <sup>1</sup>	3,100 <sup>1</sup>	9,480 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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 <sup>10</sup>	--	--	6,000	1,360	2,300	6,960	<1.0	--
HA-2	11/13/2012	43,200	5,100	660	7,280	2,190	2,290	9,400	<50.0	--
HA-2	2/7/2013	63,700	5,300	<430	5,920	2,810	2,230	13,300	<50.0	--
HA-2	5/2/2013	73,700	3,400	470	5,760	2,480	2,700	15,000	<50.0	--
HA-2	8/23/2013	56,400	1,700	<480	5,210	1,040	2,210	6,670	<50.0	--
HA-2	11/21/2013	57,100	2,200 J	<400	5,440	1,010	2,460	8,710	<50.0	--
HA-2	2/10/2014	72,400	3,000	650	5,050	802	2,500	12,300	<50.0	--
HA-2	5/2/2014	67,000	1,800	<29	4,850	794	2,690	14,400	<8.4	--
HA-3	4/14/1993	770	--	--	73	12	6.2	37	--	--
HA-3	12/15/1993	140	--	--	19	0.58	1.5	3.8	--	--
HA-3	11/4/1994	380	--	--	26	6.0	2.0	8.7	--	--
HA-3	9/18/1997	<50	2,350	1,280	<0.50	<0.50	<0.50	<1.0	--	--
HA-3	4/30/1998	310	1,200	1,400	84	9.0	2.0	7.0	--	--
HA-3	5/23/2000	480	590	1,100	87	8.1	2.2	7.4	--	--
HA-3	5/23/2001	330	--	--	37	0.63J	0.42J	3.5	--	--
HA-3	6/4/2002	480	5,900	710J	120	16.0	4.2	23.0	--	--
HA-3	5/27/2003	<24	--	--	230	4.6J	3.8J	8.9J	--	--
HA-3	6/22/2005	63J	--	--	140	0.7J	1.4	3.9	--	--
HA-3	6/7/2006	531	755	470	80.8	6.59	0.620J	0.880J	--	--
HA-3	3/15/2007	3,400	1,050	547	569	7.16	6.50	12.4	--	--
HA-3	9/12/2007				Insufficient Groundwater to Sample					
HA-3	6/2/2008				Insufficient Groundwater to Sample					
HA-3	8/25/2008				Insufficient Groundwater to Sample					
HA-3	3/25/2010				Insufficient Groundwater to Sample					
HA-3	8/25/2010	383	--	--	569 CO,E	11.4	13.5	41.6	<1.0	<250
HA-3	2/9/2011	238	591	<851	113	2.1	2.4	8.3	<1.0	--
HA-3	5/17/2011	145 J	<480	<2400	121 J	2.2 J	2.2 J	7.2 J	<1.0 J	--
HA-3	8/11/2011	124	--	--	245	3.2	3.2	6.2	<1.0	--
HA-3	11/18/2011	51.4 J	<120	<590	20.6 J	<1.0 J	<1.0 J	3.1 J	<1.0 J	--
HA-3	2/24/2012	<50.0	<83	<420	1.1	<1.0	<1.0	<3.0	<1.0	--
HA-3	5/16/2012	152	<130	<630	8.8	3	2.4	16.8	<1.0	--
HA-3	8/29/2012	138	--	--	111	10.3	3.7	11.4	<1.0	--
HA-3	11/13/2012	1,880	<130	<130	2.0	6.3	<1.0	<3.0	<1.0	--
HA-3	2/7/2013	272	<430	<430	9.4	60.2	1.7	9.7	<1.0	--
HA-3	5/2/2013	149	<200	230	16.8	19	1.4	6.9	<1.0	--
HA-3	8/23/2013	<200	<400	<400	201	7.2 J	<5.0	<15.0	<5.0	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-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	<b>3,980</b>	<b>610</b>	<b>797</b>	<b>193</b>	280	68.6	503	--	--
HA-4	4/30/1998	<250	<b>530</b>	<b>1,600</b>	<1.0	<1.0	<1.0	<3.0	--	--
HA-4	5/23/2000	<48	420J	<b>1,500</b>	<0.2	<0.2	<0.2	<0.6	--	--
HA-4	5/23/2001	<48	<b>550</b>	<b>1,900</b>	<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	<b>720</b>	<0.2	2.3	<0.2	<0.6	--	--
HA-4	6/16/2004	70J	470	<b>590J</b>	<0.2	4.7	<0.2	<0.6	--	--
HA-4	6/22/2005	<48	<b>560</b>	<b>1,000</b>	<0.2	0.6J	<0.2	1.0J	--	--
HA-4	10/24/2006	275	325	<b>672</b>	<b>60.6</b>	21.0	2.92	19.2	--	--
HA-4	3/15/2007	66.5J	<b>519</b>	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 <sup>1</sup>	188 <sup>1,2</sup>	421 <sup>1,2</sup>	<0.27 <sup>1</sup>	<0.28 <sup>1</sup>	<0.24 <sup>1</sup>	<0.86 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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	<b>3,500</b>	--	--	<b>22</b>	2.2	84	210	--	--
HA-5	12/15/1993	710	--	--	<b>17</b>	18	1.2	38	--	--
HA-5	11/4/1994	250	--	--	<b>14</b>	1.5	1.6	2.9	--	--
HA-5	9/18/1997	349	<b>1,790</b>	<b>969</b>	<b>18.50</b>	2.45	1.89	6.8	--	--
HA-5	5/1/1998	<b>950</b>	<b>640</b>	<b>840</b>	<b>15</b>	3	7	5	--	--
HA-5	7/29/1999	480	240J	<200	<b>17</b>	3	0.4J	9	--	--
HA-5	5/23/2000	410	380	<b>630</b>	<b>9.1</b>	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	<b>880</b>	260	110J	<b>30.0</b>	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	<b>14,300</b>	NA	NA	<b>3,380</b>	<b>2,870</b>	43.6	151	--	--
HA-5	2/24/2003	<b>65,000</b>	0.476	<0.5	<b>8,620</b>	<b>17,200</b>	685	<b>3,260</b>	--	--
HA-5	3/25/2003	<b>54,700</b>	0.388	<0.5	<b>6,550</b>	<b>14,700</b>	657	<b>2,900</b>	--	--
HA-5	4/18/2003	<b>66,600</b>	<0.25	<0.5	<b>7,550</b>	<b>16,800</b>	<b>857</b>	<b>3,960</b>	--	--
HA-5	5/28/2003	<b>21,000</b>	310	150J	<b>2,700</b>	<b>5,200</b>	350	<b>1,700</b>	--	--
HA-5	8/11/2003	<b>2,810</b>	0.512	<0.5	<b>659</b>	232	26.7	187	--	--
HA-5	3/15/2004	708	2.38	<0.5	<b>21.2</b>	1.38	41.5	6.55	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-5	6/16/2004	570	<b>1,400J</b>	<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	<b>9.76</b>	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	<b>17.6</b>	<1	<1	<3	--	--
HA-5	6/20/2005	86J	<b>790</b>	<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	<b>870</b>	360	<95	0.9	1.7	3.2	52	<0.3	--
HA-5	9/20/2005	140	85	<94	<b>6.9</b>	11	1.9	9.7	--	--
HA-5	11/30/2005	<48	95	<94	<0.5	<0.7	<0.8	<0.8	--	--
HA-5	2/28/2006	<48	100	<100	2	<0.7	<0.8	<0.8	<0.5	--
HA-5	5/16/2006	<48	<76	<95	1.9	<0.2	<0.2	<0.6	<5	--
HA-5	6/7/2006	173	205	171	0.570J	<0.280	<0.340	<0.820	--	--
HA-5	8/17/2006	100	190	<96	<b>5</b>	<0.7	<0.8	<0.8	<0.5	--
HA-5	10/24/2006	303	178	<35.8	<b>22.7</b>	3.42	1.72	2.92J	--	--
HA-5	11/21/2006	150	590	<96	<b>15</b>	<0.7	<0.8	4.0	<0.5	--
HA-5	2/20/2007	180	--	--	<b>5</b>	<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	<b>525</b>	76.2J	<b>78.7</b>	5.24	9.22	16.2	--	--
HA-5	9/12/2007	720	<160	<200	<b>280</b>	23	34	100	<0.5	--
HA-5	11/27/2007	100	190	<95	<b>5</b>	<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	<b>999</b>	185	116	4.66	2.74	30.9	8.96	--	--
HA-5	8/26/2008	<b>1,220</b> <sup>1</sup>	360 <sup>1,4</sup>	136 <sup>1,4</sup>	<b>24.7</b> <sup>1</sup>	11.5 <sup>1</sup>	5.64 <sup>1</sup>	31.4 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
HA-5	3/24/2010	162	<76.2	<381	<b>5.8</b>	1.4	<1.0	6.7	<1.0	<250
HA-5	8/27/2010	571	87.1	<392	<b>31.2</b>	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	<b>63,000</b>	--	--	<b>1,400</b>	<b>9,300</b>	<b>1,200</b>	<b>10,000</b>	--	--
HA-6	12/15/1993	<b>59,000</b>	--	--	<b>1,400</b>	<b>1,400</b>	<b>7,400</b>	<b>10,000</b>	--	--
HA-6	11/4/1994	<b>53,000</b>	--	--	<b>960</b>	<b>2,700</b>	<b>790</b>	<b>9,500</b>	--	--
HA-6	9/17/1997	<b>43,100</b>	<b>25,100</b>	<500	<b>934</b>	<b>973</b>	<b>922</b>	<b>7,670</b>	--	--
HA-6	5/1/1998	<b>43,000</b>	<b>24,000</b>	<5,000	<b>1,100</b>	<b>1,200</b>	<b>1,300</b>	<b>8,700</b>	--	--
HA-6	7/30/1999	<b>47,000</b>	<b>16,000</b>	<2,000	<b>950</b>	360	<b>1,500</b>	<b>8,300</b>	--	--
HA-6	5/22/2000	<b>37,000</b>	<b>10,000</b>	<4,000	<b>870</b>	430	<b>1,500</b>	<b>6,800</b>	--	--
HA-6	5/22/2001	<b>38,000</b>	<b>14,000</b>	<2,000	<b>820</b>	370	<b>1,600</b>	<b>8,000</b>	--	--
HA-6	6/5/2002	<b>36,000</b>	<b>5,800</b>	<b>990J</b>	<b>650</b>	210	<b>1,700</b>	<b>7,100</b>	--	--
HA-6	11/25/2002	<b>25,600</b>	1.43	<0.5	<b>637</b>	181	<b>1,320</b>	<b>5,620</b>	--	--
HA-6	5/28/2003	<b>32,000</b>	<b>4,100</b>	<b>5,400J</b>	<b>590</b>	210	<b>1,200</b>	<b>5,900</b>	--	--
HA-6	6/16/2004	<b>52,000</b>	<b>41,000</b>	<2,500	<b>590</b>	330	<b>1,300</b>	<b>8,500</b>	--	--
HA-6	6/20/2005	<b>18,000</b>	<b>11,000</b>	<960	<b>330</b>	150	690	<b>2,800</b>	--	--
HA-6	6/7/2006	<b>18,600</b>	<b>3,700J</b>	106J	<b>345</b>	189	<b>1,040</b>	<b>2,900</b>	--	--
HA-6	10/24/2006	<b>19,000</b>	<b>2,670J</b>	<71.4uj	<b>422</b>	172	<b>948</b>	<b>2,570</b>	--	--
HA-6	3/15/2007	<b>17,700</b>	<b>3,290</b>	<74.0	<b>409</b>	209	<b>1,170</b>	<b>4,300</b>	--	--
HA-6	9/11/2007	<b>19,800</b>	<b>2,600</b>	52.6	<b>471</b>	197	<b>1,360</b>	<b>2,200</b>	--	--
HA-6	6/3/2008	<b>24,900</b>	<b>2,120</b>	165	<b>365</b>	304	<b>1,550</b>	<b>4,330</b>	--	--
HA-6	8/26/2008	<b>22,800</b> <sup>1</sup>	<b>1,420</b> <sup>1,3</sup>	48.8 <sup>1</sup>	<b>349</b> <sup>1</sup>	237 <sup>1</sup>	<b>1,320</b> <sup>1</sup>	<b>2,470</b> <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
HA-6	3/24/2010	<b>14,900</b>	<b>908</b>	<381	<b>330</b>	184	<b>1,450</b>	<b>2,790</b>	<1.0	<250
HA-6	8/27/2010	<b>9,630</b>	<b>789</b>	<392	<b>293</b>	98.0	<b>1,420</b>	413	<1.0	<250

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
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 <sup>10</sup>	830	<420	157	132	1,380	933	<1.0	--
HA-6	11/8/2012	11,500	3,100	<100	151	115	907	1,010	<10	--
HA-6	1/30/2013	15,900	910	<430	140	148	1,140	1,520	<5.0	--
HA-6	5/3/2013	19,100	910	350	181	180	1,680	1,930	<10.0	--
HA-6	8/22/2013	11,000	900	<430	133	85.2	907	583	<1.0	--
HA-6	11/20/2013	14,300	770	<400	194	143	1,540 J	1,490	<5.0	--
HA-6	2/7/2014	20,200	1,200	<400	161	137	1,870	1,160	<10.0	--
HA-6	5/6/2014	13,700	900	<29	106	96.7	1,190	1,150	<1.7	--
HA-7	7/29/1999	17,000	16,000	<10,000	1,200	69	890	1,200	--	--
HA-7	5/22/2000	7,000	9,200	<4,000	460	31	510	580	--	--
HA-7	5/22/2001	4,700	7,100	<2,000	290	25	350	470	--	--
HA-7	6/5/2002	8,800	4,100	<470	1,500	73	760	1,000	--	--
HA-7	11/19/2002	5,510	NA	NA	587	31.3	259	324	--	--
HA-7	11/25/2002	7,840	2.67	<0.5	811	41.1	402	580	--	--
HA-7	1/14/2003	13,700	NA	NA	421	56.2	261	2,350	--	--
HA-7	5/28/2003	11,000	9,000	<960	1,000	100	920	1,300	--	--
HA-7	6/15/2004	8,500	3,400	<490	730	48	600	1,200	--	--
HA-7	6/20/2005	740	1,500	<200	170	5	84	18	--	--
HA-7	6/7/2006	<40	14,700	1,610	0.480J	<0.280	<0.340	<0.820	--	--
HA-7	10/24/2006	537	1,040j	408j	46.9	4.32	7.86	23.5	--	--
HA-7	3/15/2007	3,880	3,270	<181	385	30.0	658	166	--	--
HA-7	9/11/2007	9,440	4,300	<41.0	777	31.8	1,540	504	--	--
HA-7	6/3/2008	13,700	4,270	357	653	70.6	1,620	1,430	--	--
HA-7	8/26/2008	6,940 <sup>1</sup>	4,410 <sup>1,3</sup>	137 <sup>1</sup>	635 <sup>1</sup>	31.7 <sup>1</sup>	1,100 <sup>1</sup>	928 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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 <sup>10</sup>	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	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-8	6/5/2002	1,200	3,000	1,100	6.8	4.4	31	160	--	--
HA-8	11/19/2002	135	--	--	2.07	4.11	1.76	7.42	--	--
HA-8	11/24/2002	579	<0.25	<0.5	5.78	16.9	12.6	57.8	--	--
HA-8	1/14/2003	633	--	--	4.02	16.5	16.3	207	--	--
HA-8	2/24/2003	5,720	0.767	<0.5	14.6	74.5	232	1,570	--	--
HA-8	3/25/2003	1,950	0.544	<0.5	6.17	22.0	73.0	445	--	--
HA-8	4/18/2003	3,040	<0.25	<0.5	12.1	35.9	160	708	--	--
HA-8 (DUP)	4/18/2003	3,650	0.257	<0.5	11.9	41.1	164	762	--	--
HA-8	5/28/2003	67,000	1,800	530	11,000	16,000	1,100	5,400	--	--
HA-8	6/15/2004					LPH Encountered				
HA-8	6/20/2005					LPH Encountered				
HA-8	6/6/2006					LPH Encountered				
HA-8	10/23/2006					LPH Encountered				
HA-8	3/14/2007					LPH Encountered				
HA-8	9/11/2007	4,230	31,000	1,270J	2,360	7,210	408	2,310	--	--
HA-8	6/3/2008	43,800	2,250	719	3,730	14,800	956	4,650	--	--
HA-8	8/26/2008	34,600 <sup>1</sup>	2,620 <sup>1,4</sup>	778 <sup>1,4</sup>	3,770 <sup>1</sup>	10,700 <sup>1</sup>	763 <sup>1</sup>	3,750 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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 <sup>1</sup>	3,160 <sup>1,4</sup>	705 <sup>1,4</sup>	388 <sup>1</sup>	7.34 <sup>1</sup>	277 <sup>1</sup>	13 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-9	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 <sup>1</sup>	2,400 <sup>1,3</sup>	510 <sup>1,2</sup>	5.61 <sup>1</sup>	5.32 <sup>1</sup>	34.4 <sup>1</sup>	39.2 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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	--



Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-11	5/15/2012	3,890	--	--	318 <sup>(C0, E)</sup>	7	198	463	<1.0	--
HA-11	8/29/2012	5,390 <sup>10</sup>	--	--	543	28.3	276	570	<1.0	--
HA-11	11/15/2012	1,610	--	--	302	<2.0	24.3	130	<2.0	--
HA-11	2/4/2013	1,460	<490	<490	185	1.6	112	220	<1.0	--
HA-11	5/2/2013	1,780	1,500	450	--	--	--	--	--	--
HA-11	11/21/2013	1,390	620 J	<400	207	1.9	136	322	<1.0	--
HA-11	2/13/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
HA-11	4/30/2014	1,660	<48	<28	202	<0.55	111	219	<0.84	--
HA-12	4/14/1993	<50	--	--	1.3	<0.50	<0.50	<1.0	--	--
HA-12	12/15/1993	700	--	--	6.0	5.7	16	170	--	--
HA-12	11/4/1994	300	--	--	2.2	1.6	1.8	9.7	--	--
HA-12	9/18/1997	139	6,350	<500	1.05	<0.50	<0.50	1.9	--	--
HA-12	5/1/1998	<50	<80	780	0.3	0.5	0.3	1.5	--	--
HA-12	7/29/1999	<48	180J	200	3	0.8J	<0.2	1.3J	--	--
HA-12	5/22/2000	<48	250	520	1.2	0.24J	<0.2	<0.6	--	--
HA-12	5/22/2001	<48	410	<200	3.7	0.24J	<0.2	<0.6	--	--
HA-12	6/5/2002	<48	130J	<95	0.31J	<0.2	<0.2	<0.6	--	--
HA-12	11/25/2002	93.7	<0.25	<0.5	0.957	3.85	1.52	10.8	--	--
HA-12	5/28/2003	<48	280	610	0.4J	<0.2	<0.2	<0.6	--	--
HA-12	6/16/2004	<48	490	250J	4.5	0.3J	<0.2	0.8J	--	--
HA-12	6/21/2005	<48	180J	<100	0.3J	<0.2	0.5J	<0.6	--	--
HA-12	6/7/2006	<40	165	70.1J	<0.290	<0.280	<0.340	<0.820	--	--
HA-12	10/24/2006	58.2Ju	103	564	4.85	1.60	0.860J	0.870J	--	--
HA-12	3/15/2007	71.6J	90.3J	<37.0	<0.330	<0.420	0.530J	0.630J	--	--
HA-12	9/11/2007	72.6J	283	181	<0.330	<0.420	<0.420	<0.450	--	--
HA-12	6/4/2008	110	228	316	0.310J	<0.280	0.570J	1.05J	--	--
HA-12	8/27/2008	<43 <sup>1</sup>	584 <sup>1,5</sup>	722 <sup>1,5</sup>	<0.27 <sup>1</sup>	1.23 <sup>1</sup>	0.38 <sup>1</sup>	<0.86 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-13	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	<b>5800</b>	<b>1100</b>	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	<b>7.34</b>	1.83	0.770J	0.750J	--	--
HA-13	11/21/2006	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	2/20/2007	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	3/15/2007	63.6J	59.7J	110	<0.330	<0.420	<0.420	0.500J	--	--
HA-13	5/15/2007	<50	<130	<170	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	9/11/2007	47.5J	--	--	0.580J	<0.420	<0.420	0.700J	--	--
HA-13	9/12/2007	<50	450	<200	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	11/27/2007	<50	<300	<370	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	2/26/2008	<50	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
HA-13	6/4/2008	52.3J	41.1J	58.9J	<0.270	<0.280	0.410J	<0.860	--	--
HA-13	8/27/2008	57.7 <sup>1,6</sup>	34.1 <sup>1</sup>	53.9 <sup>1</sup>	<0.27 <sup>1</sup>	0.92 <sup>1</sup>	0.24 <sup>1</sup>	<0.86 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
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	<b>5,300</b>	--	--	<b>400</b>	22	290	<b>1,000</b>	--	--
HA-14	12/15/1993	<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--
HA-14	11/4/1994	180	--	--	<b>5</b>	1.8	3.9	11	--	--
HA-14	9/18/1997	324	<b>972</b>	<b>752</b>	<b>6.45</b>	1.06	7.98	9.17	--	--
HA-14	4/30/1998	<b>1,800</b>	460	<500	<b>210</b>	15	190	100	--	--
HA-14	7/29/1999	<b>4,700</b>	<b>1,100</b>	<200	<b>450</b>	38	<b>710</b>	120	--	--
HA-14	5/22/2000	<b>3,700</b>	<b>1,100</b>	<b>520J</b>	<b>470</b>	26	<b>760</b>	63	--	--
HA-14	5/22/2001	<b>890</b>	430	230J	<b>120</b>	5.5	200	10	--	--
HA-14	6/4/2002	<b>2,200</b>	<b>1,400</b>	<b>1,000</b>	<b>380</b>	16.0	470	32	--	--
HA-14	11/25/2002	<b>939</b>	<0.25	<0.5	<b>141</b>	15.7	169	48.1	--	--
HA-14	4/18/2003	<b>1,190</b>	<0.25	<0.5	<b>133</b>	8.87	228	23.7	--	--
HA-14	5/27/2003	<b>860</b>	300	220J	<b>91</b>	2.7	140	11	--	--
HA-14	6/16/2004	220J	<b>780</b>	280J	<b>56</b>	2.6	52	5	--	--
HA-14	6/21/2005	<b>1,200</b>	<b>660</b>	390J	<b>260</b>	5.8	250	18	--	--
HA-14	6/7/2006	<40	--	--	<0.290	<0.280	0.560J	<0.820	--	--
HA-14	10/24/2006	288	--	--	<b>12.3</b>	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	--	--	<b>92.8</b>	1.30	157	3.45	--	--
HA-14	6/4/2008	529	<b>1,150</b>	<b>1,820</b>	<b>30.1</b>	0.780J	67.5	1.71J	--	--
HA-14	8/27/2008	350 <sup>1</sup>	<b>513<sup>1,5</sup></b>	<b>863<sup>1,5</sup></b>	<b>31.5<sup>1</sup></b>	2.25 <sup>1</sup>	72.1 <sup>1</sup>	2.63 <sup>1</sup>	<0.42 <sup>1</sup>	<74.4 <sup>1</sup>
HA-14	3/24/2010	<b>1,150</b>	<b>1,030</b>	<b>2,560</b>	<b>92</b>	1.4	369	6.6	<1.0	<250

Table 6

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

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

Table 6

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

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

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
HA-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 <sup>10</sup>	170	<400	4,100	964	378	1,470	<1.0	--
HA-20	11/9/2012	4,440	920	<110	1,360	224	179	638	<1.0	--
HA-20	2/4/2013	320	<430	<430	130	1.5	1.8	70.1	<1.0	--
HA-20	5/3/2013	2,740	<200	250	53.6	11.8	<2.0	540	<2.0	--
HA-20	8/22/2013	2,760	850	<420	3,850	134	129	666	<5.0	--
HA-20	11/20/2013	921	<400	<400	508 J	46	42	111	<2.0	--
HA-20	2/11/2014	13,800	600	440	3,910	1,550	470	2,190	<10.0	--
HA-20	5/6/2014	<50	<48	<28	5.9	<0.11	<0.16	<0.40	<0.17	--
LAI-1	1/15/2003	4,120	--	--	728	935	23	120	--	--
LAI-1	2/26/2003	15,100	1	<0.5	2,150	3,680	116	979	--	--
LAI-1	3/24/2003	47,500	1	<0.5	7,970	15,000	739	4,250	--	--
LAI-1	3/1/2006	190,000	860	<190	4,500	41,000	2,800	16,000	<13	--
LAI-1	5/17/2006	270,000	1,400	<470	10,000	56,000	3,300	21,000	<200	--
LAI-1	8/16/2006	130,000	2,800	240	11,000	23,000	3,000	14,000	<50	--
LAI-1	11/20/2006	11,000	880	<95	1,900	25	400	1,300	<1	--
LAI-1	2/19/2007	260,000	2,900	<470	13,000	58,000	3,200	19,000	<25	--
LAI-1	5/14/2007	290,000	3,200	<480	9,000	60,000	2,200	16,000	<	--
LAI-1	9/11/2007	21,000	510	<94	1,300	680	440	2,500	<1	--
LAI-1	11/26/2007	2,300	310	<99	1,100	10	130	410	<0.5	--
LAI-1	2/26/2008	23,000	2,400	<95	160	190	1,100	4,300	<1	--
LAI-1	8/26/2008	4,400	450	<95	12	4	300	560	<0.5	<50
LAI-1 (DUP)	8/26/2008	4,300	520	<95	12	5	200	360	<0.5	<50
LAI-1	2/19/2009	93,900	600	<410	470	19,000	1,500	9,800	<1	<400
LAI-1	8/25/2009	73,300	2,000	140 J	358	1,330	277	1,700	<1.0 (9)	<250
LAI-1	3/23/2010	114,000	800	<381	2,610	19,300	4,190	23,200	<1.0	<250
LAI-1	8/24/2010	57,700	812	<388	2,040	3,150	187	17,700	<1.0	<250
LAI-1	2/9/2011	59,300	692	<388	689	6,530	1,960	9,420	<1.0	--
LAI-1	5/16/2011	40,200 J	650	<380	615 J	887 J	1,620 J	6,420 J	<1.0 J	--
LAI-1 (DUP)	5/16/2011	41,400 J	650	<380	580 J	919 J	1,770 J	6,920 J	<1.0 J	--
LAI-1	8/9/2011	30,700 J	530	<400	1,370 J	303 J	1,620 J	6,680 J	<1.0	--
LAI-1	2/27/2012	53,000	460	<380	987	6,680	2,140	9,280	<1.0	--
LAI-1	9/4/2012	19,100 <sup>10</sup>	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	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
LAI-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	--
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 <sup>10</sup>	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	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
LAI-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	--
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 <sup>10</sup>	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	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAIx-6	9/28/2017	134,000	3,200	<400	28,700	26,600	2,570	14,700	--	--
LAI-7	7/28/2005	160,000	17,000	<4700	160,000	32,000	2,500	14,000	<30	--
LAIx-7	9/21/2005	220,000	7,100	<950	43,000	55,000	4,300	21,000	--	--
LAIx-7	8/27/2008	79,000	4,200	<480	12,000	27,000	2,200	11,000	<13	<1300
LAIx-8	9/21/2005	140,000	6,400	<940	29,000	33,000	3,300	15,000	--	--
LAIx-8	11/29/2005	130,000	5,100	<190	33,000	35,000	2,900	14,000	--	--
LAIx-8	8/26/2008	180,000	7,300	<2000	28,000	40,000	3,300	16,000	<10	<1000
LAIx-9	11/29/2005	110,000	8,300	<950	37,000	45,000	2,600	21,000	--	--
LAIx-9	8/27/2008	140,000	3,800	<490	17,000	32,000	2,600	15,000	<10	<1000
LAI-10	2/26/2003	<50	<0.25	<0.5	<0.5	0.991	<0.5	1.37	--	--
LAI-10 (DUP)	2/26/2003	<50	<0.25	<0.5	<0.5	0.757	<0.5	1.18	--	--
LAI-10	3/24/2003	<50	<0.25	<0.5	1.35	2.67	<0.5	1.36	--	--
LAI-10	4/17/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	8/11/2003	<50	<0.25	<0.5	<0.5	1.75	0.757	4.54	--	--
LAI-10	11/20/2003	<50	2	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	3/16/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	6/22/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	9/22/2004	<50	0	<0.5	<0.5	0.666	<0.5	<1	--	--
LAI-10	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-10	3/21/2005	<100	<0.238	<0.475	<1	<1	<1	<3	--	--
LAI-10	6/23/2005	<100	<0.237	<0.474	3.52	<1	<1	<1	<1	--
LAI-10	7/29/2005	<48	<76	<95	23	0.3	<0.2	<0.6	<0.3	--
LAI-10	9/20/2005	<48	<75	94	32	2	0.5	2.8	--	--
LAI-10	12/1/2005	<48	200	<95	<0.5	<0.7	<0.8	<0.8	--	--
LAI-10 (DUP)	11/28/2005	<48	520	220	<0.5	1	<0.8	<0.8	--	--
LAI-10	2/28/2006	<48	<77	<96	<0.5	4	<0.8	<0.8	<0.5	--
LAI-10 (DUP)	3/1/2006	<48	88	<95	<0.5	10	<0.8	<0.8	<0.5	--
LAI-10	5/17/2006	<48	<75	<94	<0.2	3.4	<0.2	<0.6	<0.3	--
LAI-10 (DUP)	5/17/2006	<48	<75	<120	0.6	4.5	<0.2	<1	<0.3	--
LAI-10	8/16/2006	<48	<76	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	11/20/2006	<48	<77	<96	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	2/19/2007	<48	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-10	5/14/2007	<50	<78	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
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	--



Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
LAI-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	<b>222</b>	1.11	2.82	19.2	<1	--
LAI-11	7/29/2005	<48	<76	<95	<b>55</b>	0.5	4.2	3.2	<0.3	--
LAI-11	9/20/2005	<48	95	<94	<b>32</b>	2	0.5	2.8	--	--
LAI-11	12/1/2005	<48	110	<94	<b>15</b>	<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	<b>760</b>	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	<b>55</b>	<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	<b>14</b>	<0.7	<0.8	<0.8	<0.5	--
LAI-11	8/26/2008	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-11	2/18/2009	<50	<82	<410	<1	<1	<1	<1	<1	<400
LAI-11	8/25/2009	<50	38J	<380	<1	<1	<1	<3	<1	<250
LAI-11	3/23/2010	<50	<76.2	<381	<1	<1	<1	<3	<1	<250
LAI-11	8/24/2010	<50.0	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-11	2/9/2011	117	<76.2	<381	<1.0	13.1	<1.0	<3.0	<1.0	--
LAI-11	8/9/2011	<50.0	<90	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/27/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	9/4/2012	90.3	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/5/2013	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	8/14/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-11	2/12/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-12	5/28/2003	<50	<0.25	<0.5	<0.5	<0.5	<0.5	1.81	--	--
LAI-12	8/11/2003	<50	0	<0.5	<0.5	<0.5	<0.5	2.21	--	--
LAI-12	11/20/2003	61	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-12	3/16/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
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	<b>1,300</b>	<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	--

Table 6

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

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

Table 6

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

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

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-14	2/22/2023	<100	<100	<100	<0.50	<1.0	<1.0	<2.0	--	--
LAI-15	5/28/2003	104	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	8/11/2003	158	0.33	<0.5	<0.5	0.641	<0.5	1.95	--	--
LAI-15	11/20/2003	54	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	3/15/2004	154	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	6/22/2004	135	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	9/21/2004	92	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	12/21/2004	<50	<0.25	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-15	3/21/2005	<100	<0.237	<0.473	<1	<1	<1	<3	--	--
LAI-15	6/23/2005	<100	<0.237	<0.473	<1	<1	<1	<3	<1	--
LAI-15	7/29/2005	76	<800	<1000	<0.2	0.3	<0.2	<0.6	--	--
LAI-15	9/21/2005	100	<75	<94	<0.5	<0.5	<0.5	<1.5	--	--
LAI-15	12/1/2005	67	<75	<94	<0.5	<0.7	<0.8	<0.8	--	--
LAI-15 (DUP)	11/28/2005	92	110	<94	<0.5	<0.7	<0.8	<0.8	--	--
LAI-15	2/27/2006	77	<77	<97	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15 (DUP)	3/1/2006	90	<76	<95	<0.5	0.8	0.8	<0.8	<0.5	--
LAI-15	5/16/2006	98	<76	<95	<0.2	<0.2	<0.2	<0.6	<0.3	--
LAI-15 (DUP)	5/17/2006	97	<76	<95	0.4	1	<0.2	<0.6	<0.3	--
LAI-15	8/16/2006	85	<75	<93	<0.5	1	<0.8	1	<0.5	--
LAI-15	11/21/2006	50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	2/20/2007	75	<75	<94	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	5/15/2007	83	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	9/11/2007	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	11/26/2007	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	2/26/2008	<50	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	--
LAI-15	8/25/2008	56	<76	<95	<0.5	<0.7	<0.8	<0.8	<0.5	<50
LAI-15	2/18/2009	<50	<83	<410	<1	<1	<1	<1	<1	<400
LAI-15	8/25/2009	32.2	<76	<380	<1	<1	<1	<3	<1	<250
LAI-15	3/22/2010	<50	<75.5	<377	<1	<1	<1	<3	<1	<250
LAI-15	8/24/2010	61	<77.3	<386	<1.0	<1.0	<1.0	<3.0	<1.0	<250
LAI-15	2/9/2011	57.3	<76.9	<385	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	5/24/2011	248	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	8/11/2011	90.4	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15 (DUP)	8/11/2011	73.9	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	2/21/2012	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	8/28/2012	56.4	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	1/30/2013	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	8/15/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-15	2/5/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
LAI-16	2/25/2003	<50	<0.25	<0.5	<0.5	0.679	<0.5	1.09	--	--
LAI-16	3/25/2003	<50	0.29	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-16 (DUP)	3/25/2003	<50	0.33	<0.5	<0.5	<0.5	<0.5	<1	--	--
LAI-16	4/17/2003	<50	<0.25	<0.5	3.51	<0.5	<0.5	<1	--	--
LAI-16	5/28/2003	705	<0.25	<0.5	<b>523</b>	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	<b>8.52</b>	<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	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg 800	TPHd 500	TPHo 500	B 5	T 1,000	E 700	X 1,000	MTBE 20	Ethanol --
LAI-16	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	--
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	--

Table 6

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

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

Table 6

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

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

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-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	2/22/2023	<100	<99	<99	<0.50	<1.0	<1.0	<2.0	--	--
MW-2	11/16/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/28/2012	86.4	<150	<730	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	5/14/2012	<100	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	9/4/2012	<50.0	<78	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/7/2012	<100	<110	<110	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/8/2013	103	<450	<450	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	5/1/2013	113	210	<390	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	8/23/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/22/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/13/2014	189	<400	<400	<1.0	<1.0	<1.0	<2.0	<4.0	--
MW-2	4/30/2014	134	<50	<29	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-2	8/13/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	2/13/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-2	11/16/2016	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	5/24/2017	<100	<430	<430	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	9/27/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	12/13/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	2/28/2018	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	6/26/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	8/28/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	12/18/2018	118	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	3/14/2019	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-2	9/23/2019	<100	<392	<392	<1.0	<1.0	<1.0	<3.0	--	--
MW-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	2/22/2023	<100	<97	<97	<0.50	<1.0	<1.0	<2.0	--	--
MW-3	11/17/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-3	5/14/2012	<50.0	350	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--



Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-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	2/22/2023	<100	<100	<100	<0.50	<1.0	<1.0	<2.0	--	--
MW-4	11/17/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/14/2012	<50.0	<82	<410	<1.0 <sup>(SS)</sup>	<1.0 <sup>(SS)</sup>	<1.0	<3.0	<1.0	--
MW-4	8/28/2012	<50.0	<80	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/7/2012	<100	<110UJ	<110UJ	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/8/2013	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/6/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	8/16/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/10/2014	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	5/1/2014	<50	<48	600	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-4	8/14/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	2/17/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-4	11/16/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	5/24/2017	<100	<510	<510	<1.0	2.4	<1.0	<3.0	--	--
MW-4	9/27/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	12/13/2017	<100	<380	<380	<1.0	1.0	<1.0	<3.0	--	--
MW-4	2/27/2018	<100	<380	<380	<1.0	2.1	1.4	<3.0	--	--
MW-4	6/26/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	8/28/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	12/19/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	3/14/2019	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	--	--
MW-4	9/24/2019	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-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	2/22/2023	<100	<95	<95	<0.50	<1.0	<1.0	<2.0	--	--
MW-5	11/17/2011	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	3/1/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-5	5/14/2012	<50.0	<83	<420	<1.0 <sup>(SS)</sup>	<1.0 <sup>(SS)</sup>	<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	<b>720</b>	<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 <sup>(SS)</sup>	<1.0 <sup>(SS)</sup>	<1.0	<3.0	<1.0	--
MW-6	8/28/2012	<50.0	<82	<410	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/7/2012	<100	<110UJ	<110UJ	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/7/2013	<100	<440	<440	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/6/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	8/16/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/10/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	5/1/2014	<50	<48	<28	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-6	8/14/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/23/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/23/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	2/23/2015	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-6	11/17/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	11/17/2016	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	2/16/2017	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	5/24/2017	112	<440	<440	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	9/28/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	12/13/2017	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	2/28/2018	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
MW-6	6/26/2018	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	--	--
MW-6	8/28/2018	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-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	2/22/2023	<100	<98	<98	<2.0	<4.0	<4.0	<8.0	--	--
MW-7	11/15/2011	7,530	380	<380	3,560	1,610	898	3,250	<1.0	--
MW-7	3/1/2012	58,000	1,300	<380	15,000	1,600	1,150	2,770	<1.0	--
MW-7	5/9/2012	32,900	1,500	<380	7,470	1,620	1,290	2,930	<50.0	--
MW-7	8/23/2012	24,700 <sup>10</sup>	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-8	11/15/2011	11,900	130	<380	3,670	365	431	1,510	2.6	--
MW-8	2/22/2012	9,370	220	<380	4,430	382	957	2,660	6.9	--
MW-8	5/10/2012	23,500	670	<410	9,090	542	841	2,280	<25.0	--
MW-8 (DUP)	5/10/2012	24,700	940	<380	8,940	571	855	2,320	8.0	--
MW-8	8/23/2012	17,500 <sup>10</sup>	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-9	11/16/2011	1,950	<76	<380	1,430	2	5	7.7	1.2	--
MW-9	2/22/2012	566	120 J	<380	899	1.9 J	1.8 J	3.4 J	<1.0 J	--
MW-9 (DUP)	2/22/2012	535	260 J	<380	889	1.8 J	1.7 J	3.2 J	1.0 J	--
MW-9	5/9/2012	1,830	290	<430	625	1.4	1.7	<3.0	<1.0	--
MW-9	8/24/2012	1,070	270	<380	977	2.8	5.1	8.0	<1.0	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-9	11/15/2012	1,330	220	<100	439	<2.0	2.3	<6.0	<2.0	--
MW-9	1/31/2013	224	<450	<450	180	<1.0	<1.0	<3.0	<1.0	--
MW-9	4/30/2013	1,210	<200	<200	1,150	<10.0	<10.0	<30.0	<10.0	--
MW-9	8/13/2013	1,790	1,500	<400	817	4.1 J	7.3	6.8	<1.0	--
MW-9	11/18/2013	869	430	<400	266	<2.0	2.2	<6.0	<2.0	--
MW-9	2/4/2014	1,520	650 J	<430	1,040	<5.0	6.4	<15.0	<5.0	--
MW-9	4/30/2014	2,050	550	<29	762	<0.55	<0.82	<2.0	<0.84	--
MW-9	11/16/2016	1,330	540	1,100	120	1.4	2.2	3.9	--	--
MW-9	2/16/2017	1,240	740	580	159	1.5	3.2	6.8	--	--
MW-9	5/25/2017	1,120	<500	<500	179	1.4	6.7	<3.0	--	--
MW-9	9/27/2017	849	580	<410	80.7	1.1	1.6	<3.0	--	--
MW-9	12/13/2017	950 J	600 J	<410	29.0	<1.0	<1.0	<3.0	--	--
MW-9	2/28/2018	1,320	410	<380	52.4 J	<1.0 J	5.8 J	<3.0 J	--	--
MW-9	6/27/2018	2,100	1,300	<410	258	1.2	8.2	4.4	--	--
MW-9	8/29/2018	1,230	960	<420	27.9	<1.0	1.7	<3.0	--	--
MW-9	12/19/2018	1,040	730	<380	13.1	<1.0	<1.0	<3.0	--	--
MW-10	11/17/2011	174	<75	<380	562	3	1.6	17.9	<1.0	--
MW-10 (DUP)	11/17/2011	113	<75	<380	440	2	<1.0	15.3	<1.0	--
MW-10	2/22/2012	434	160	<380	2.0	<1.0	<1.0	<3.0	<1.0	--
MW-10	5/10/2012	282	140	<390	65.4	3.5	5.7	15.7	<1.0	--
MW-10	11/9/2012	466	<110	<110	200	1.1	<1.0	3.2	<1.0	--
MW-10	2/1/2013	125	<440	<440	1.6	<1.0	<1.0	<3.0	<1.0	--
MW-10	4/30/2013	185	<200	<200	7.1	<1.0	<1.0	<3.0	<1.0	--
MW-10	8/20/2013	139	<400	<400	47.6	<1.0	<1.0	3.5	<1.0	--
MW-10	11/18/2013	116	<400	<400	57.9	2.2	<1.0	10.3	<1.0	--
MW-10	2/4/2014	125	<420	<420	27.4	<1.0	<1.0	<3.0	<1.0	--
MW-10	4/29/2014	415	<50	<29	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-10	8/12/2014	152	<400	<400	26.3	1.1	<1.0	3.7	<1.0	--
MW-10	11/25/2014	122	<400	<400	12.7	<1.0	<1.0	<3.0	<1.0	--
MW-10	2/17/2015	291	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-10	11/16/2016	164	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	2/16/2017	189	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	5/24/2017	277	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	9/28/2017	<100	<410	<410	1.1 J	<1.0 J	<1.0 J	<3.0 J	--	--
MW-10	12/14/2017	<100	430	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	12/14/2017	<100	620	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	3/1/2018	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	6/27/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	8/28/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	12/19/2018	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	3/14/2019	<100	<380	<380	<1.0	<1.0	<1.0	<3.0	--	--
MW-10 (DUP)	3/14/2019	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-10	9/25/2019	<100	<417	<417	<1.0	<1.0	<1.0	<3.0	--	--
MW-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-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	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-11	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-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	--	--

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-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-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 <sup>(M1)</sup>	<1.0 <sup>(M1)</sup>	<1.0 <sup>(M1)</sup>	<3.0 <sup>(M1)</sup>	<1.0 <sup>(M1)</sup>	--
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	--	--
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	<b>2,400</b>	<b>2,000</b>	<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	2/22/2023	<100	<100	<100	<0.50	<1.0	<1.0	<2.0	--	--
MW-14	11/21/2011	<b>123,000 J</b>	<b>640 J</b>	<380 J	<b>17,500 J</b>	<b>18,200 J</b>	<b>2,550 J</b>	<b>14,100 J</b>	<1.0 J	--
MW-14	2/28/2012	<b>110,000</b>	<b>1,400</b>	<380	<b>16,400 J</b>	<b>16,300 J</b>	<b>2,020 J</b>	<b>10,500 J</b>	<1.0 J	--
MW-14	5/14/2012	<b>133,000</b>	<b>2,000</b>	<380	<b>18,400<sup>(SS)</sup></b>	<b>2,3400<sup>(SS)</sup></b>	<b>2,090</b>	<b>11,900</b>	<10.0	--
MW-14	11/16/2012	<b>90,800</b>	300	<110	<b>17,900</b>	<b>15,600</b>	<b>1,780</b>	<b>10,720</b>	<50.0	--
MW-14	2/6/2013	<b>94,200</b>	<b>4,100</b>	<470	<b>16,300</b>	<b>15,400</b>	<b>1,740</b>	<b>10,400</b>	<100	--
MW-14	5/2/2013	<b>90,300</b>	<b>1,500</b>	450	<b>16,200</b>	<b>16,200</b>	<b>2,050</b>	<b>11,500</b>	<100	--
MW-14	8/23/2013	<b>150,000</b>	<b>1,300</b>	540	<b>23,600</b>	<b>21,300</b>	<b>2,670</b>	<b>15,000</b>	<100	--
MW-14	11/18/2013	<b>91,100</b>	<b>1,600</b>	<420	<b>21,100</b>	<b>15,700</b>	<b>2,470</b>	<b>13,400</b>	<20.0	--
MW-14	2/12/2014	<b>103,000</b>	<b>1,400</b>	<400	<b>14,000</b>	<b>11,800</b>	<b>1,770</b>	<b>10,700</b>	<100	--
MW-14	5/6/2014	<b>19,300</b>	<b>530</b>	430	<b>283</b>	327	96.8	560	<3.4	--
MW-14	11/17/2016	<b>30,300</b>	<b>1,800</b>	<b>1,500</b>	<b>6,910</b>	585	<b>1,040</b>	<b>4,800</b>	--	--
MW-14	5/25/2017	<b>60,800</b>	<b>850</b>	<370	<b>16,000</b>	<b>4,670</b>	<b>1,730</b>	<b>9,040</b>	--	--
MW-14	12/14/2017	<b>57,700</b>	<b>1,600</b>	<390	<b>14,000</b>	<b>3,630</b>	<b>1,690</b>	<b>8,530</b>	--	--
MW-14	3/1/2018	<b>34,900</b>	<b>550</b>	<370	<b>5,140 J</b>	<b>3,540 J</b>	462 J	<b>2,020 J</b>	--	--
MW-14	3/1/2018	<b>50,600</b>	<b>740</b>	<390	<b>8,920 J</b>	<b>6,400 J</b>	966 J	<b>4,370 J</b>	--	--
MW-14	8/28/2018	<b>58,700</b>	<b>2,400</b>	<420	<b>15,500</b>	<b>4,960</b>	<b>1,850</b>	<b>8,860</b>	--	--
MW-15	11/21/2011	265 J	<76 J	<380 J	<b>32.9 J</b>	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--

Table 6

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

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

Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
MW-16	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	2/22/2023	<100	<100	<100	<0.50	<1.0	<1.0	<2.0	--	--
MW-17	9/5/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	11/16/2012	<100	<100	<100	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	2/6/2013	<100	<420	<420	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	5/7/2013	<100	<200	<200	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	8/21/2013	<100	430	<420	<1.0 J	<1.0 J	<1.0 J	<3.0 J	<1.0 J	--
MW-17	11/26/2013	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	2/6/2014	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	<1.0	--
MW-17	5/9/2014	<50	<28	<48	<0.15	<0.11	<0.16	<0.40	<0.17	--
MW-17	11/18/2016	<100	<390	<390	<1.0	<1.0	<1.0	<3.0	--	--
MW-17	5/25/2017	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	--	--
MW-17	9/27/2017	<100 J	<390	<390	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
MW-17	12/12/2017	<100	<400	<400	<1.0	<1.0	<1.0	<3.0	--	--
MW-17	2/28/2018	<100	<390	<390	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
MW-17	6/26/2018	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	--	--
MW-17	8/28/2018	<100	<410	<410	<1.0	<1.0	<1.0	<3.0	--	--
MW-17	12/18/2018	<100	<400	<400	<1.0 J	<1.0 J	<1.0 J	<3.0 J	--	--
DPE-28	2/23/2023	<100	<b>3,200</b>	<110	1.1	<1.0	<1.0	<2.0	--	--
DW-1	11/15/2011	<50.0	<75	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	2/28/2012	<50.0	<76	<380	<1.0	<1.0	<1.0	<3.0	<1.0	--
DW-1	5/16/2012	<50.0	<76	<380	<b>10.9</b>	<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	<b>33,800</b>	340	<380	<b>638</b>	<b>2,280</b>	699	<b>3,820</b>	4.8	--
DW-2	2/23/2012	<b>8,730</b>	430	<380	<b>132</b>	281	225	<b>1,330</b>	5.8	--
DW-2 (DUP)	2/23/2012	<b>8,190</b>	380	<380	<b>128</b>	292	234	<b>1,330</b>	6.2	--
DW-2	5/9/2012	<b>4,150</b>	390	<380	<b>54.4</b>	34.4	72.0	407	4.6	--
DW-2	8/24/2012	<b>1,360</b>	98	<410	<b>44.6</b>	8.9	26.5	120	1.7	--
DW-2	11/6/2012	<b>1,060</b>	140	<110	<b>49.1</b>	2.4	19.5	48.3J	<1.0	--
DW-2	1/31/2013	434	<450	<450	<b>11.9</b>	<1.0	6.5	9.2	<1.0	--
DW-2	4/30/2013	378	<200	<200	<b>14.7</b>	<1.0	3.3	15.5	<1.0	--
DW-2 (DUP)	4/30/2013	321	<200	<200	<b>15.1</b>	<1.0	3	14.6	<1.0	--
DW-2	8/23/2013	<b>821</b>	<420	<420	<b>13</b>	1.3 J	3.4	10.1	1.4	--
DW-2 (DUP)	8/23/2013	733	<400	<400	<b>12.9</b>	1.3	3.1	10.1	1.4	--
DW-2	11/21/2013	326	<400	<400	<b>5.9</b>	<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	--



Table 6

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

Sample Location	Date	HYDROCARBONS			PRIMARY VOCs				OXYGENATES	
		TPHg	TPHd	TPHo	B	T	E	X	MTBE	Ethanol
MTCA Method A Screening Levels:		800	500	500	5	1,000	700	1,000	20	--
DW-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-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	--
Retention Pond	6/3/2004	36,200	--	--	7,860	6,920	792	3,260	--	--
Retention Pond	4/19/2006	38,000	2,800	<1000	2,100	4,400	180	3,300	NA	--
Retention Pond	2/19/2007	16,000	1,400	140	1,600	2,500	100	1,500	2	--

Notes: Not analyzed.

NA Not detected above reporting limit.

U Estimated

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

x micrograms per liter

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Insufficient water to fill all sample bottles.

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

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

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

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

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

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

(s) MTCA Method A levels for TPH-g are 1,000 µg/l when benzene is present and 800 µg/l when benzene is not 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.

Table 6

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

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

- (x) The GC/MS volatile results were obtained from a vial with headspace.
- (y) The initial analyses of this sample were unable to be reported due to carryover issues and QC spiking. The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.
- (z) The analytical data is from Acton Mickelson Environmental, Inc. sampling on 8/26/2008 and 8/27/2008.
- (1) A-01 Contamination elutes between C18 and C40 and does not match any standards in TestAmerica's reference library.
- (2) A-01a Contamination elutes between C8 and C18 and does not match any standards in TestAmerica's reference library.
- (3) A-01b Contamination elutes between C8 and C28 and does not match any standards in TestAmerica's reference library.
- (4) A-01c Contamination elutes between C8 and C40 and does not match any standards in TestAmerica's reference library.
- (5) M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
- (6) RL1 Reporting limit raised due to sample matrix effects.
- (7) H1 = Analysis conducted outside the EPA method holding time.
- (8) 2n = The internal standard response is outside the QC criteria. Results may be biased low.
- (9) Sample was diluted due to the presence of high levels of target analytes.
- (10) Analyte concentration exceeded the calibration range. The reported result is estimated.
- (E) Result confirmed by second analysis.
- (C0) Matrix Spike recovery exceeded the QC limits. Batch accepted based on laboratory control sample recovery.
- (M1) This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimate.
- (S>)

# Appendices

# **Appendix A**

**O&M Laboratory Analytical Reports**

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 2/9/2023 4:54:43 PM

## JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 11226464

## JOB NUMBER

570-126016-1

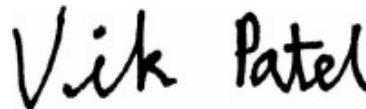
## Job Notes

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

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

## Authorization



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2/9/2023 4:54:43 PM

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



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# Definitions/Glossary

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

Job ID: 570-126016-1

## Glossary

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



# Case Narrative

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

Job ID: 570-126016-1

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## Job ID: 570-126016-1

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### Laboratory: Eurofins Calscience

#### Narrative

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#### Job Narrative 570-126016-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/1/2023 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 was 22.0° C.

#### Air Toxics

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

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# Detection Summary

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

Job ID: 570-126016-1

## Client Sample ID: A-013123-LP-INF

## Lab Sample ID: 570-126016-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.9		0.50	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.1		0.50	ppb v/v	1		TO-15	Total/NA
o-Xylene	4.3		0.50	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	7.2		2.0	ppb v/v	1		TO-15	Total/NA
Toluene	3.0		0.50	ppb v/v	1		TO-15	Total/NA
Xylenes, Total	12		2.5	ppb v/v	1		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	40		1.0	ppm v/v	1		TO3	Total/NA

## Client Sample ID: A-013123-LP-EFF

## Lab Sample ID: 570-126016-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.56		0.50	ppb v/v	1		TO-15	Total/NA
Toluene	0.64		0.50	ppb v/v	1		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	1.5		1.0	ppm v/v	1		TO3	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

# Client Sample Results

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

Job ID: 570-126016-1

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

**Client Sample ID: A-013123-LP-INF**

**Date Collected: 01/31/23 14:05**

**Date Received: 02/01/23 10:00**

**Sample Container: Summa Canister 1L**

**Lab Sample ID: 570-126016-1**

**Matrix: Air**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.9		0.50	ppb v/v			02/03/23 01:30	1
Ethylbenzene	1.1		0.50	ppb v/v			02/03/23 01:30	1
o-Xylene	4.3		0.50	ppb v/v			02/03/23 01:30	1
m,p-Xylene	7.2		2.0	ppb v/v			02/03/23 01:30	1
Toluene	3.0		0.50	ppb v/v			02/03/23 01:30	1
Xylenes, Total	12		2.5	ppb v/v			02/03/23 01:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 132		02/03/23 01:30	1
4-Bromofluorobenzene (Surr)	104		70 - 130		02/03/23 01:30	1
Toluene-d8 (Surr)	112		70 - 130		02/03/23 01:30	1

**Client Sample ID: A-013123-LP-EFF**

**Date Collected: 01/31/23 14:10**

**Date Received: 02/01/23 10:00**

**Sample Container: Summa Canister 1L**

**Lab Sample ID: 570-126016-2**

**Matrix: Air**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.56		0.50	ppb v/v			02/03/23 00:36	1
Ethylbenzene	ND		0.50	ppb v/v			02/03/23 00:36	1
o-Xylene	ND		0.50	ppb v/v			02/03/23 00:36	1
m,p-Xylene	ND		2.0	ppb v/v			02/03/23 00:36	1
Toluene	0.64		0.50	ppb v/v			02/03/23 00:36	1
Xylenes, Total	ND		2.5	ppb v/v			02/03/23 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 132		02/03/23 00:36	1
4-Bromofluorobenzene (Surr)	101		70 - 130		02/03/23 00:36	1
Toluene-d8 (Surr)	101		70 - 130		02/03/23 00:36	1

# Client Sample Results

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

Job ID: 570-126016-1

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

Client Sample ID: A-013123-LP-INF

Date Collected: 01/31/23 14:05

Date Received: 02/01/23 10:00

Sample Container: Summa Canister 1L

Lab Sample ID: 570-126016-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	40		1.0	ppm v/v			02/01/23 15:47	1

Client Sample ID: A-013123-LP-EFF

Date Collected: 01/31/23 14:10

Date Received: 02/01/23 10:00

Sample Container: Summa Canister 1L

Lab Sample ID: 570-126016-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	1.5		1.0	ppm v/v			02/01/23 13:51	1

# Surrogate Summary

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

Job ID: 570-126016-1

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

Matrix: Air

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL
		(66-132)	(70-130)	(70-130)
570-126016-1	A-013123-LP-INF	98	104	112
570-126016-2	A-013123-LP-EFF	101	101	101
LCS 570-300737/3	Lab Control Sample	101	101	101
LCSD 570-300737/4	Lab Control Sample Dup	104	100	101
MB 570-300737/7	Method Blank	106	101	102

#### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

# QC Sample Results

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

Job ID: 570-126016-1

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

**Lab Sample ID: MB 570-300737/7**  
**Matrix: Air**  
**Analysis Batch: 300737**

**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			02/02/23 23:45	1
Ethylbenzene	ND		0.50	ppb v/v			02/02/23 23:45	1
o-Xylene	ND		0.50	ppb v/v			02/02/23 23:45	1
m,p-Xylene	ND		2.0	ppb v/v			02/02/23 23:45	1
Toluene	ND		0.50	ppb v/v			02/02/23 23:45	1
Xylenes, Total	ND		2.5	ppb v/v			02/02/23 23:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 132		02/02/23 23:45	1
4-Bromofluorobenzene (Surr)	101		70 - 130		02/02/23 23:45	1
Toluene-d8 (Surr)	102		70 - 130		02/02/23 23:45	1

**Lab Sample ID: LCS 570-300737/3**  
**Matrix: Air**  
**Analysis Batch: 300737**

**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	26.71		ppb v/v		107	68 - 134
Ethylbenzene	25.0	26.13		ppb v/v		105	70 - 130
o-Xylene	25.0	26.55		ppb v/v		106	68 - 130
m,p-Xylene	50.0	51.92		ppb v/v		104	70 - 130
Toluene	25.0	26.82		ppb v/v		107	70 - 130

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

**Lab Sample ID: LCSD 570-300737/4**  
**Matrix: Air**  
**Analysis Batch: 300737**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	25.0	25.73		ppb v/v		103	68 - 134	4	25
Ethylbenzene	25.0	25.08		ppb v/v		100	70 - 130	4	25
o-Xylene	25.0	23.71		ppb v/v		95	68 - 130	11	25
m,p-Xylene	50.0	50.19		ppb v/v		100	70 - 130	3	25
Toluene	25.0	25.79		ppb v/v		103	70 - 130	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 132
4-Bromofluorobenzene (Surr)	100		70 - 130
Toluene-d8 (Surr)	101		70 - 130

# QC Sample Results

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

Job ID: 570-126016-1

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

**Lab Sample ID: MB 570-300255/3**  
**Matrix: Air**  
**Analysis Batch: 300255**

**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			02/01/23 11:24	1

**Lab Sample ID: LCS 570-300255/2**  
**Matrix: Air**  
**Analysis Batch: 300255**

**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	93.77		ppm v/v		94	80 - 120

**Lab Sample ID: 570-126016-1 DU**  
**Matrix: Air**  
**Analysis Batch: 300255**

**Client Sample ID: A-013123-LP-INF**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline Range Organics (C6-C12)	40		33.17		ppm v/v		18	20

# QC Association Summary

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

Job ID: 570-126016-1

## Air - GC/MS VOA

### Analysis Batch: 300737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126016-1	A-013123-LP-INF	Total/NA	Air	TO-15	
570-126016-2	A-013123-LP-EFF	Total/NA	Air	TO-15	
MB 570-300737/7	Method Blank	Total/NA	Air	TO-15	
LCS 570-300737/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-300737/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

## Air - GC VOA

### Analysis Batch: 300255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126016-1	A-013123-LP-INF	Total/NA	Air	TO3	
570-126016-2	A-013123-LP-EFF	Total/NA	Air	TO3	
MB 570-300255/3	Method Blank	Total/NA	Air	TO3	
LCS 570-300255/2	Lab Control Sample	Total/NA	Air	TO3	
570-126016-1 DU	A-013123-LP-INF	Total/NA	Air	TO3	



# Lab Chronicle

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

Job ID: 570-126016-1

**Client Sample ID: A-013123-LP-INF**

**Lab Sample ID: 570-126016-1**

**Date Collected: 01/31/23 14:05**

**Matrix: Air**

**Date Received: 02/01/23 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	300737	02/03/23 01:30	T1W	EET CAL 4
Instrument ID: GCMSAA										
Total/NA	Analysis	TO3		1	10 mL	10 mL	300255	02/01/23 15:47	I9H5	EET CAL 4
Instrument ID: GC71										

**Client Sample ID: A-013123-LP-EFF**

**Lab Sample ID: 570-126016-2**

**Date Collected: 01/31/23 14:10**

**Matrix: Air**

**Date Received: 02/01/23 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	300737	02/03/23 00:36	T1W	EET CAL 4
Instrument ID: GCMSAA										
Total/NA	Analysis	TO3		1	10 mL	10 mL	300255	02/01/23 13:51	I9H5	EET CAL 4
Instrument ID: GC71										

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 570-126016-1

## Laboratory: Eurofins Calscience

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

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

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

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



# Method Summary

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

Job ID: 570-126016-1

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

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

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



# Sample Summary

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

Job ID: 570-126016-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-126016-1	A-013123-LP-INF	Air	01/31/23 14:05	02/01/23 10:00	Air Canister (1-Liter) #LC928
570-126016-2	A-013123-LP-EFF	Air	01/31/23 14:10	02/01/23 10:00	Air Canister (1-Liter) #LC1185

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- 14
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Calscience



Loc: 570 CHAIN OF CUSTODY RECORD 126016

DATE: 01/31/23

PAGE: 1 OF 1

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494  
For courier service / sample drop off information contact us26\_sales@eurofins.com or call us.

570-126016 Chain of Custody

LABORATORY CLIENT: GHD Services Inc. CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464

ADDRESS: 9725 3rd Avenue NE Ste 204 PO NO: 11226464-2021-04

CITY: Seattle STATE: WA ZIP: 98115 PROJECT CONTACT: Luca Piscitello

TEL: 305-903-4318 E-MAIL: rosemary\_bier@ghd.com SAMPLER(S) (PRINT): Luca Piscitello

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

COELT EDF  GLOBAL ID

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

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT	LOG CODE		
		DATE	TIME			Unpreserved	Preserved	Field Filtered
1	A-013123-LP-IMP	01/31/23	1405	A	1			
2	A-013123-LP-EDF	01/31/23	1410	A	1	X	X	X

REQUESTED ANALYSES

Please check box or fill in blank as needed

Received by (Signature/Affiliation): Luca Piscitello 6 HD 01/31/23 1600

Date: 2/1/23 Time: 10:00



570-126016 Waybill

ORIGIN ID:OTS (000) 000 -  
CALSCIENCE ENVIRONMENTAL LAB  
2841 DOW AVE STE 100  
TUSTIN, CA 92780  
UNITED STATES US

ACTWGT: 6.20 LB JAN23  
CAD: 8990555/SSF02341  
DIMS: 11x11x11 IN  
BILL THIRD PARTY

Part # 156297435 RHDB EXP 12/23

TO

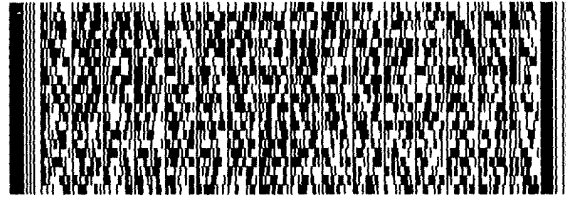
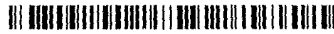
**CALSCIENCE ENVIROMENTAL LAB  
2841 DOW AVE  
STE 100  
TUSTIN CA 92780**

(714) 730-7860

REF:

THU:

DEPT:



**FedEx  
Express**



2 of 2

MPS# 3940 9063 7416  
0263

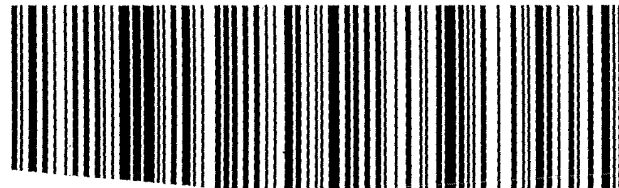
Mstr# 3940 9063 7405

0201

**WED - 01 FEB 10:30A  
PRIORITY OVERNIGHT**

**92 DTHA**

**92780  
CA-US SNA**



# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-126016-1

SDG Number:

**Login Number: 126016**

**List Number: 1**

**Creator: Cruise, Noel**

**List Source: Eurofins Calscience**

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



## Summa Canister Dilution Worksheet

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

Job No.: 570-126016-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Final Gauge ID	Date	Time	Analyst Initials
570-126016-1	1	-29.5	-4.0	0.87	0.87	-1.96462	0.87	0.87		1.00	1.00	AIR MG 4	02/01/23	12:30	YY9P
570-126016-2	1	-29.5	-2.8	0.91	0.91	-1.37523	0.91	0.91		1.00	1.00	AIR MG 4	02/01/23	12:31	YY9P

**Formulae:**

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

**Where:**

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







# ANALYTICAL REPORT

## PREPARED FOR

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

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## JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12572873

## JOB NUMBER

570-126047-1

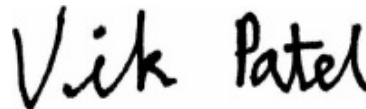
## Job Notes

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

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

## Authorization



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Authorized for release by  
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(714)895-5494



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# Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

## Glossary

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

# Case Narrative

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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## Job ID: 570-126047-1

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### Laboratory: Eurofins Calscience

#### Narrative

---

ob Narrative  
570-126047-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/1/2023 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 was 1.9° C.

#### GC/MS VOA

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-300935. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

#### GC VOA

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

#### GC Semi VOA

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

#### Organic Prep

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

#### VOA Prep

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

# Detection Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

## Client Sample ID: GW-013123-LP-INF 1

## Lab Sample ID: 570-126047-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3700		50	ug/L	100		8260C	Total/NA
Toluene	770		100	ug/L	100		8260C	Total/NA
o-Xylene	470		100	ug/L	100		8260C	Total/NA
m,p-Xylene	4800		200	ug/L	100		8260C	Total/NA
Ethylbenzene	590		100	ug/L	100		8260C	Total/NA
Xylenes, Total	5300		200	ug/L	100		8260C	Total/NA
TPH as Gasoline (C4-C13)	27000		1000	ug/L	10		NWTPH-Gx	Total/NA
TPH as Diesel Range - DL	16		0.47	mg/L	5		NWTPH-Dx	Silica Gel Cleanup

## Client Sample ID: GW-013123-LP-MID 1

## Lab Sample ID: 570-126047-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
TPH as Diesel Range	0.36		0.093	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

## Client Sample ID: GW-013123-LP-MID 2

## Lab Sample ID: 570-126047-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.8		0.50	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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

**Client Sample ID: GW-013123-LP-INF 1**

**Date Collected: 01/31/23 14:00**

**Date Received: 02/01/23 10:00**

**Lab Sample ID: 570-126047-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3700		50	ug/L			02/03/23 15:58	100
Toluene	770		100	ug/L			02/03/23 15:58	100
o-Xylene	470		100	ug/L			02/03/23 15:58	100
m,p-Xylene	4800		200	ug/L			02/03/23 15:58	100
Ethylbenzene	590		100	ug/L			02/03/23 15:58	100
Xylenes, Total	5300		200	ug/L			02/03/23 15:58	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 123		02/03/23 15:58	100
4-Bromofluorobenzene (Surr)	101		80 - 120		02/03/23 15:58	100
Dibromofluoromethane (Surr)	98		78 - 120		02/03/23 15:58	100
Toluene-d8 (Surr)	99		80 - 120		02/03/23 15:58	100

**Client Sample ID: GW-013123-LP-MID 1**

**Date Collected: 01/31/23 13:45**

**Date Received: 02/01/23 10:00**

**Lab Sample ID: 570-126047-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/03/23 16:19	1
Toluene	ND		1.0	ug/L			02/03/23 16:19	1
o-Xylene	ND		1.0	ug/L			02/03/23 16:19	1
m,p-Xylene	ND		2.0	ug/L			02/03/23 16:19	1
Ethylbenzene	ND		1.0	ug/L			02/03/23 16:19	1
Xylenes, Total	ND		2.0	ug/L			02/03/23 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 123		02/03/23 16:19	1
4-Bromofluorobenzene (Surr)	99		80 - 120		02/03/23 16:19	1
Dibromofluoromethane (Surr)	97		78 - 120		02/03/23 16:19	1
Toluene-d8 (Surr)	99		80 - 120		02/03/23 16:19	1

**Client Sample ID: GW-013123-LP-MID 2**

**Date Collected: 01/31/23 13:30**

**Date Received: 02/01/23 10:00**

**Lab Sample ID: 570-126047-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.8		0.50	ug/L			02/03/23 16:41	1
Toluene	ND		1.0	ug/L			02/03/23 16:41	1
o-Xylene	ND		1.0	ug/L			02/03/23 16:41	1
m,p-Xylene	ND		2.0	ug/L			02/03/23 16:41	1
Ethylbenzene	ND		1.0	ug/L			02/03/23 16:41	1
Xylenes, Total	ND		2.0	ug/L			02/03/23 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 123		02/03/23 16:41	1
4-Bromofluorobenzene (Surr)	96		80 - 120		02/03/23 16:41	1
Dibromofluoromethane (Surr)	98		78 - 120		02/03/23 16:41	1
Toluene-d8 (Surr)	100		80 - 120		02/03/23 16:41	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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

**Client Sample ID: GW-013123-LP-INF 1**

**Date Collected: 01/31/23 14:00**

**Date Received: 02/01/23 10:00**

**Lab Sample ID: 570-126047-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	27000		1000	ug/L			02/08/23 01:56	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		50 - 150				02/08/23 01:56	10

**Client Sample ID: GW-013123-LP-MID 1**

**Date Collected: 01/31/23 13:45**

**Date Received: 02/01/23 10:00**

**Lab Sample ID: 570-126047-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/08/23 00:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64		50 - 150				02/08/23 00:21	1

**Client Sample ID: GW-013123-LP-MID 2**

**Date Collected: 01/31/23 13:30**

**Date Received: 02/01/23 10:00**

**Lab Sample ID: 570-126047-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/08/23 00:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		50 - 150				02/08/23 00:45	1



# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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

**Client Sample ID: GW-013123-LP-INF 1**  
**Date Collected: 01/31/23 14:00**  
**Date Received: 02/01/23 10:00**

**Lab Sample ID: 570-126047-1**  
**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil Range	ND		0.094	mg/L		02/08/23 16:17	02/09/23 04:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	111		50 - 150			02/08/23 16:17	02/09/23 04:44	1

**Client Sample ID: GW-013123-LP-MID 1**  
**Date Collected: 01/31/23 13:45**  
**Date Received: 02/01/23 10:00**

**Lab Sample ID: 570-126047-2**  
**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.36		0.093	mg/L		02/08/23 16:17	02/09/23 05:06	1
TPH as Motor Oil Range	ND		0.093	mg/L		02/08/23 16:17	02/09/23 05:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	117		50 - 150			02/08/23 16:17	02/09/23 05:06	1

**Client Sample ID: GW-013123-LP-MID 2**  
**Date Collected: 01/31/23 13:30**  
**Date Received: 02/01/23 10:00**

**Lab Sample ID: 570-126047-3**  
**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.097	mg/L		02/08/23 16:17	02/09/23 05:27	1
TPH as Motor Oil Range	ND		0.097	mg/L		02/08/23 16:17	02/09/23 05:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	110		50 - 150			02/08/23 16:17	02/09/23 05:27	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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

Client Sample ID: GW-013123-LP-INF 1  
 Date Collected: 01/31/23 14:00  
 Date Received: 02/01/23 10:00

Lab Sample ID: 570-126047-1  
 Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	16		0.47	mg/L		02/08/23 16:17	02/09/23 12:53	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	122		50 - 150			02/08/23 16:17	02/09/23 12:53	5

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Surrogate Summary

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-126047-1	GW-013123-LP-INF 1	97	101	98	99
570-126047-2	GW-013123-LP-MID 1	96	99	97	99
570-126047-3	GW-013123-LP-MID 2	96	96	98	100
LCS 570-300935/4	Lab Control Sample	106	101	101	100
LCSD 570-300935/5	Lab Control Sample Dup	99	104	100	100
MB 570-300935/7	Method Blank	98	97	99	100

#### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1
		(50-150)
570-126047-1	GW-013123-LP-INF 1	102
570-126047-2	GW-013123-LP-MID 1	64
570-126047-3	GW-013123-LP-MID 2	68
570-126047-3 MS	GW-013123-LP-MID 2	93
570-126047-3 MSD	GW-013123-LP-MID 2	96
LCS 570-301899/3	Lab Control Sample	90
LCSD 570-301899/4	Lab Control Sample Dup	93
MB 570-301899/5	Method Blank	63

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Silica Gel Cleanup

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN
		(50-150)
570-126047-1 - DL	GW-013123-LP-INF 1	122
570-126047-1	GW-013123-LP-INF 1	111
570-126047-2	GW-013123-LP-MID 1	117
570-126047-3	GW-013123-LP-MID 2	110
LCS 570-302261/2-A	Lab Control Sample	108
LCSD 570-302261/3-A	Lab Control Sample Dup	107
MB 570-302261/1-A	Method Blank	107

#### Surrogate Legend

OTCSN = n-Octacosane (Surr)

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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

**Lab Sample ID: MB 570-300935/7**  
**Matrix: Water**  
**Analysis Batch: 300935**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/03/23 10:49	1
Toluene	ND		1.0	ug/L			02/03/23 10:49	1
o-Xylene	ND		1.0	ug/L			02/03/23 10:49	1
m,p-Xylene	ND		2.0	ug/L			02/03/23 10:49	1
Ethylbenzene	ND		1.0	ug/L			02/03/23 10:49	1
Xylenes, Total	ND		2.0	ug/L			02/03/23 10:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 123		02/03/23 10:49	1
4-Bromofluorobenzene (Surr)	97		80 - 120		02/03/23 10:49	1
Dibromofluoromethane (Surr)	99		78 - 120		02/03/23 10:49	1
Toluene-d8 (Surr)	100		80 - 120		02/03/23 10:49	1

**Lab Sample ID: LCS 570-300935/4**  
**Matrix: Water**  
**Analysis Batch: 300935**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	20.60		ug/L		103	80 - 121
Toluene	20.0	20.53		ug/L		103	80 - 120
o-Xylene	20.0	20.58		ug/L		103	80 - 122
m,p-Xylene	40.0	42.74		ug/L		107	80 - 123
Ethylbenzene	20.0	21.52		ug/L		108	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 123
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		78 - 120
Toluene-d8 (Surr)	100		80 - 120

**Lab Sample ID: LCSD 570-300935/5**  
**Matrix: Water**  
**Analysis Batch: 300935**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	21.78		ug/L		109	80 - 121	6	20
Toluene	20.0	21.84		ug/L		109	80 - 120	6	20
o-Xylene	20.0	22.62		ug/L		113	80 - 122	9	20
m,p-Xylene	40.0	44.91		ug/L		112	80 - 123	5	20
Ethylbenzene	20.0	22.70		ug/L		114	80 - 121	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 123
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		78 - 120
Toluene-d8 (Surr)	100		80 - 120

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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

**Lab Sample ID: MB 570-301899/5**  
**Matrix: Water**  
**Analysis Batch: 301899**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/07/23 17:57	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63		50 - 150				02/07/23 17:57	1

**Lab Sample ID: LCS 570-301899/3**  
**Matrix: Water**  
**Analysis Batch: 301899**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1920	2164		ug/L		113	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	90		50 - 150				

**Lab Sample ID: LCSD 570-301899/4**  
**Matrix: Water**  
**Analysis Batch: 301899**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1920	2156		ug/L		112	76 - 128	0	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		50 - 150						

**Lab Sample ID: 570-126047-3 MS**  
**Matrix: Water**  
**Analysis Batch: 301899**

**Client Sample ID: GW-013123-LP-MID 2**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	ND		1920	2099		ug/L		109	69 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		50 - 150						

**Lab Sample ID: 570-126047-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 301899**

**Client Sample ID: GW-013123-LP-MID 2**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		1920	2127		ug/L		111	69 - 132	1	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	96		50 - 150								

# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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

**Lab Sample ID: MB 570-302261/1-A**  
**Matrix: Water**  
**Analysis Batch: 302341**

**Client Sample ID: Method Blank**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 302261**

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
TPH as Diesel Range	ND		0.10	mg/L		02/08/23 16:16	02/09/23 03:18	1
TPH as Motor Oil Range	ND		0.10	mg/L		02/08/23 16:16	02/09/23 03:18	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	107		50 - 150			02/08/23 16:16	02/09/23 03:18	1

**Lab Sample ID: LCS 570-302261/2-A**  
**Matrix: Water**  
**Analysis Batch: 302341**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 302261**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
C10-C28	4.00	4.111		mg/L		103		68 - 120
Surrogate	LCS	LCS	Limits					
<i>n</i> -Octacosane (Surr)	108		50 - 150					

**Lab Sample ID: LCSD 570-302261/3-A**  
**Matrix: Water**  
**Analysis Batch: 302341**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 302261**

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
		Result	Qualifier						Limit	
C10-C28	4.00	4.238		mg/L		106		68 - 120	3	20
Surrogate	LCSD	LCSD	Limits							
<i>n</i> -Octacosane (Surr)	107		50 - 150							

# QC Association Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

## GC/MS VOA

### Analysis Batch: 300935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126047-1	GW-013123-LP-INF 1	Total/NA	Water	8260C	
570-126047-2	GW-013123-LP-MID 1	Total/NA	Water	8260C	
570-126047-3	GW-013123-LP-MID 2	Total/NA	Water	8260C	
MB 570-300935/7	Method Blank	Total/NA	Water	8260C	
LCS 570-300935/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-300935/5	Lab Control Sample Dup	Total/NA	Water	8260C	

## GC VOA

### Analysis Batch: 301899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126047-1	GW-013123-LP-INF 1	Total/NA	Water	NWTPH-Gx	
570-126047-2	GW-013123-LP-MID 1	Total/NA	Water	NWTPH-Gx	
570-126047-3	GW-013123-LP-MID 2	Total/NA	Water	NWTPH-Gx	
MB 570-301899/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-301899/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-301899/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-126047-3 MS	GW-013123-LP-MID 2	Total/NA	Water	NWTPH-Gx	
570-126047-3 MSD	GW-013123-LP-MID 2	Total/NA	Water	NWTPH-Gx	

## GC Semi VOA

### Prep Batch: 302261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126047-1 - DL	GW-013123-LP-INF 1	Silica Gel Cleanup	Water	3510C SGC	
570-126047-1	GW-013123-LP-INF 1	Silica Gel Cleanup	Water	3510C SGC	
570-126047-2	GW-013123-LP-MID 1	Silica Gel Cleanup	Water	3510C SGC	
570-126047-3	GW-013123-LP-MID 2	Silica Gel Cleanup	Water	3510C SGC	
MB 570-302261/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-302261/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-302261/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 302341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126047-1	GW-013123-LP-INF 1	Silica Gel Cleanup	Water	NWTPH-Dx	302261
570-126047-1 - DL	GW-013123-LP-INF 1	Silica Gel Cleanup	Water	NWTPH-Dx	302261
570-126047-2	GW-013123-LP-MID 1	Silica Gel Cleanup	Water	NWTPH-Dx	302261
570-126047-3	GW-013123-LP-MID 2	Silica Gel Cleanup	Water	NWTPH-Dx	302261
MB 570-302261/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	302261
LCS 570-302261/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	302261
LCSD 570-302261/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	302261

# Lab Chronicle

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

**Client Sample ID: GW-013123-LP-INF 1**

**Lab Sample ID: 570-126047-1**

**Date Collected: 01/31/23 14:00**

**Matrix: Water**

**Date Received: 02/01/23 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	8260C		100	5 mL	5 mL	300935	02/03/23 15:58	P3GT	EET CAL 4
Instrument ID: GCMSZ										
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	301899	02/08/23 01:56	A1W	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			265.1 mL	2.5 mL	302261	02/08/23 16:17	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	302341	02/09/23 04:44	N5Y3	EET CAL 4
Instrument ID: GC48										
Silica Gel Cleanup	Prep	3510C SGC	DL		265.1 mL	2.5 mL	302261	02/08/23 16:17	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx	DL	5	10 mL	10 mL	302341	02/09/23 12:53	N5Y3	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: GW-013123-LP-MID 1**

**Lab Sample ID: 570-126047-2**

**Date Collected: 01/31/23 13:45**

**Matrix: Water**

**Date Received: 02/01/23 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	8260C		1	5 mL	5 mL	300935	02/03/23 16:19	P3GT	EET CAL 4
Instrument ID: GCMSZ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	301899	02/08/23 00:21	A1W	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			269.8 mL	2.5 mL	302261	02/08/23 16:17	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	302341	02/09/23 05:06	N5Y3	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: GW-013123-LP-MID 2**

**Lab Sample ID: 570-126047-3**

**Date Collected: 01/31/23 13:30**

**Matrix: Water**

**Date Received: 02/01/23 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	8260C		1	5 mL	5 mL	300935	02/03/23 16:41	P3GT	EET CAL 4
Instrument ID: GCMSZ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	301899	02/08/23 00:45	A1W	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			258.1 mL	2.5 mL	302261	02/08/23 16:17	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	302341	02/09/23 05:27	N5Y3	EET CAL 4
Instrument ID: GC48										

**Laboratory References:**

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



# Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

## Laboratory: Eurofins Calscience

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

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

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# Method Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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

#### Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

#### Laboratory References:

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

# Sample Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126047-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-126047-1	GW-013123-LP-INF 1	Water	01/31/23 14:00	02/01/23 10:00
570-126047-2	GW-013123-LP-MID 1	Water	01/31/23 13:45	02/01/23 10:00
570-126047-3	GW-013123-LP-MID 2	Water	01/31/23 13:30	02/01/23 10:00

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126047



Calscience

CHAIN OF CUSTODY RECORD

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494  
 For courier service / sample drop off information, contact us26\_sales@eurofinsus.com or call us

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

CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 12572873  
 PROJECT CONTACT: Fabio Minervini 949-648-5270  
 Rose Bier 206-802-1595

P O NO: 12572873-2021-04  
 SAMPLER(S): (PRINT) Luca Piscitello

DATE: 03/22/23 PAGE: 1 OF 1

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD')  
 SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD  
 COELT EDF GLOBAL ID: LOG CODE:

REQUESTED ANALYSES

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
	GW- -LP-INF 1	03/22/23	1400	GW	5	X		
	GW- -LP-MID 1		1345	GW	4	X		
	GW- -LP-MID 2		1330	GW	5	X		

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

DR/ORO (NWTPH-DX)	GRO (NWTPH-GX)	BTEX (8260)	Oil and Grease (1664)
X	X	X	
X	X	X	
X	X	X	

Barcode: 570-126047 Chain of Custody

Relinquished by: (Signature) Luca Piscitello  
 Received by: (Signature/Affiliation) GR  
 Date: 3/1/23 Time: 1000  
 Relinquished by: (Signature)  
 Received by: (Signature/Affiliation)  
 Date: Date Time: Time  
 Relinquished by: (Signature)  
 Received by: (Signature/Affiliation)  
 Date: Date Time: Time



126047

Do not lift using this tag.



570-126047 Waybill

ORIGIN ID:OTSA (000) 000-0000  
CALSCIENCE ENVIRONMENTAL LAB  
2841 DOW AVE STE 100  
TUSTIN, CA 92780  
UNITED STATES US

AC  
CAI  
DIR  
BILL

10:30  
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7405  
02101

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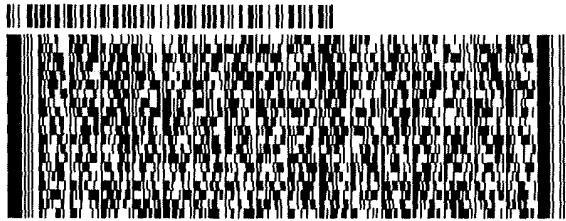
TO

CALSCIENCE ENVIROMENTAL LAB  
2841 DOW AVE  
STE 100  
TUSTIN CA 92780

(714) 780-7860  
INV:  
PO:

REF:

DEPT:



FedEx  
Express



1 of 2

TRK# 3940 9063 7405

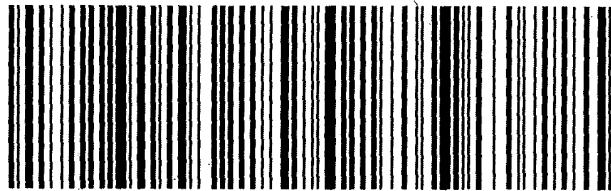
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## MASTER ##

WED - 01 FEB 10:30A  
PRIORITY OVERNIGHT

92 DTHA

92780  
CA-US SNA



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# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-126047-1

**Login Number: 126047**

**List Number: 1**

**Creator: Patel, Jayesh**

**List Source: Eurofins Calscience**

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



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

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

Generated 2/14/2023 4:16:21 PM

**JOB DESCRIPTION**

P66 Renton Terminal AOC 5228 / 12572873

**JOB NUMBER**

570-126050-1

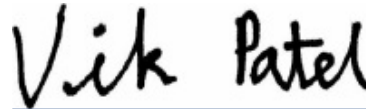
## Job Notes

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

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

## Authorization



Generated  
2/14/2023 4:16:21 PM

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





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# Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

## Glossary

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

# Case Narrative

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

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## Job ID: 570-126050-1

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### Laboratory: Eurofins Calscience

#### Narrative

#### Job Narrative 570-126050-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/1/2023 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 was 1.9° C.

#### GC/MS VOA

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-303549. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

#### GC VOA

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

#### GC Semi VOA

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

#### Metals

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

#### Organic Prep

Method 1664A: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-300580.1664A

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

#### VOA Prep

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

# Detection Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

**Client Sample ID: GW-013123-LP-EFF**

**Lab Sample ID: 570-126050-1**

No Detections.

**Client Sample ID: COMPOSITE (GW-013123-LP-EFF 1,2,3,4)**

**Lab Sample ID: 570-126050-9**

No Detections.

**Client Sample ID: COMPOSITE (GW-013123-LP-EFF 5,6,7)**

**Lab Sample ID: 570-126050-10**

No Detections.

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This Detection Summary does not include radiochemical test results.

Eurofins Calscience

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

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

**Client Sample ID: COMPOSITE (GW-013123-LP-EFF 1,2,3,4)**

**Lab Sample ID: 570-126050-9**

**Date Collected: 01/31/23 00:00**

**Matrix: Water**

**Date Received: 02/01/23 10:00**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/14/23 12:15	1
Toluene	ND		1.0	ug/L			02/14/23 12:15	1
o-Xylene	ND		1.0	ug/L			02/14/23 12:15	1
m,p-Xylene	ND		2.0	ug/L			02/14/23 12:15	1
Ethylbenzene	ND		1.0	ug/L			02/14/23 12:15	1
Xylenes, Total	ND		2.0	ug/L			02/14/23 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 123		02/14/23 12:15	1
4-Bromofluorobenzene (Surr)	93		80 - 120		02/14/23 12:15	1
Dibromofluoromethane (Surr)	102		78 - 120		02/14/23 12:15	1
Toluene-d8 (Surr)	99		80 - 120		02/14/23 12:15	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

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

**Client Sample ID: COMPOSITE (GW-013123-LP-EFF 1,2,3,4)**  
**Date Collected: 01/31/23 00:00**  
**Date Received: 02/01/23 10:00**

**Lab Sample ID: 570-126050-9**  
**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		02/14/23 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	59		50 - 150		02/14/23 13:37	1

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# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

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

**Client Sample ID: GW-013123-LP-EFF**

**Lab Sample ID: 570-126050-1**

**Date Collected: 01/31/23 12:30**

**Matrix: Water**

**Date Received: 02/01/23 10:00**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		02/08/23 16:17	02/09/23 05:49	1
TPH as Motor Oil Range	ND		0.10	mg/L		02/08/23 16:17	02/09/23 05:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	116		50 - 150			02/08/23 16:17	02/09/23 05:49	1

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

## General Chemistry

Client Sample ID: COMPOSITE (GW-013123-LP-EFF 5,6,7)

Date Collected: 01/31/23 00:00

Date Received: 02/01/23 10:00

Lab Sample ID: 570-126050-10

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (40CFR136A 1664A)	ND		0.952	mg/L		02/02/23 09:36	02/02/23 15:29	1

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# Surrogate Summary

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-126050-9	COMPOSITE (GW-013123-LP-E	96	93	102	99
LCS 570-303549/5	Lab Control Sample	98	101	98	98
LCSD 570-303549/6	Lab Control Sample Dup	97	100	98	95
MB 570-303549/10	Method Blank	95	93	101	100

**Surrogate Legend**

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-126050-9	COMPOSITE (GW-013123-LP-E	59
570-126050-9 MS	COMPOSITE (GW-013123-LP-EFF 1,2,3,4)	93
570-126050-9 MSD	COMPOSITE (GW-013123-LP-EFF 1,2,3,4)	91
LCS 570-303569/3	Lab Control Sample	93
LCSD 570-303569/4	Lab Control Sample Dup	96
MB 570-303569/5	Method Blank	67

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Silica Gel Cleanup

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTCSN (50-150)
570-126050-1	GW-013123-LP-EFF	116
LCS 570-302261/2-A	Lab Control Sample	108
LCSD 570-302261/3-A	Lab Control Sample Dup	107
MB 570-302261/1-A	Method Blank	107

**Surrogate Legend**

OTCSN = n-Octacosane (Surr)

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

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

**Lab Sample ID: MB 570-303549/10**  
**Matrix: Water**  
**Analysis Batch: 303549**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/14/23 11:49	1
Toluene	ND		1.0	ug/L			02/14/23 11:49	1
o-Xylene	ND		1.0	ug/L			02/14/23 11:49	1
m,p-Xylene	ND		2.0	ug/L			02/14/23 11:49	1
Ethylbenzene	ND		1.0	ug/L			02/14/23 11:49	1
Xylenes, Total	ND		2.0	ug/L			02/14/23 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 123		02/14/23 11:49	1
4-Bromofluorobenzene (Surr)	93		80 - 120		02/14/23 11:49	1
Dibromofluoromethane (Surr)	101		78 - 120		02/14/23 11:49	1
Toluene-d8 (Surr)	100		80 - 120		02/14/23 11:49	1

**Lab Sample ID: LCS 570-303549/5**  
**Matrix: Water**  
**Analysis Batch: 303549**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	19.83		ug/L		99	80 - 121
Toluene	20.0	19.82		ug/L		99	80 - 120
o-Xylene	20.0	20.63		ug/L		103	80 - 122
m,p-Xylene	40.0	42.23		ug/L		106	80 - 123
Ethylbenzene	20.0	20.32		ug/L		102	80 - 121

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

**Lab Sample ID: LCSD 570-303549/6**  
**Matrix: Water**  
**Analysis Batch: 303549**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	20.16		ug/L		101	80 - 121	2	20
Toluene	20.0	19.70		ug/L		98	80 - 120	1	20
o-Xylene	20.0	20.77		ug/L		104	80 - 122	1	20
m,p-Xylene	40.0	42.23		ug/L		106	80 - 123	0	20
Ethylbenzene	20.0	20.81		ug/L		104	80 - 121	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 123
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	98		78 - 120
Toluene-d8 (Surr)	95		80 - 120

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

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

**Lab Sample ID: MB 570-303569/5**  
**Matrix: Water**  
**Analysis Batch: 303569**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/14/23 12:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		50 - 150				02/14/23 12:26	1

**Lab Sample ID: LCS 570-303569/3**  
**Matrix: Water**  
**Analysis Batch: 303569**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1920	2192		ug/L		114	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		50 - 150				

**Lab Sample ID: LCSD 570-303569/4**  
**Matrix: Water**  
**Analysis Batch: 303569**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1920	2204		ug/L		115	76 - 128	1	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	96		50 - 150						

**Lab Sample ID: 570-126050-9 MS**  
**Matrix: Water**  
**Analysis Batch: 303569**

**Client Sample ID: COMPOSITE (GW-013123-LP-EFF 1,2,3,4)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	ND		1920	2195		ug/L		114	69 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		50 - 150						

**Lab Sample ID: 570-126050-9 MSD**  
**Matrix: Water**  
**Analysis Batch: 303569**

**Client Sample ID: COMPOSITE (GW-013123-LP-EFF 1,2,3,4)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		1920	2189		ug/L		114	69 - 132	0	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		50 - 150								

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

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

**Lab Sample ID: MB 570-302261/1-A**  
**Matrix: Water**  
**Analysis Batch: 302341**

**Client Sample ID: Method Blank**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 302261**

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
TPH as Diesel Range	ND		0.10	mg/L		02/08/23 16:16	02/09/23 03:18	1
TPH as Motor Oil Range	ND		0.10	mg/L		02/08/23 16:16	02/09/23 03:18	1
Surrogate		MB MB	Limits			Prepared	Analyzed	Dil Fac
		%Recovery Qualifier						
n-Octacosane (Surr)		107	50 - 150			02/08/23 16:16	02/09/23 03:18	1

**Lab Sample ID: LCS 570-302261/2-A**  
**Matrix: Water**  
**Analysis Batch: 302341**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 302261**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
C10-C28	4.00	4.111		mg/L		103	68 - 120
Surrogate		LCS LCS	Limits			%Rec	Limits
		%Recovery Qualifier					
n-Octacosane (Surr)		108	50 - 150				

**Lab Sample ID: LCSD 570-302261/3-A**  
**Matrix: Water**  
**Analysis Batch: 302341**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 302261**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
C10-C28	4.00	4.238		mg/L		106	68 - 120	3	20
Surrogate		LCSD LCSD	Limits			%Rec	Limits	RPD	Limit
		%Recovery Qualifier							
n-Octacosane (Surr)		107	50 - 150						

## Method: 1664A - Oil and Grease

**Lab Sample ID: MB 570-300580/1-A**  
**Matrix: Water**  
**Analysis Batch: 300744**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 300580**

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Oil & Grease	ND		1.00	mg/L		02/02/23 09:36	02/02/23 15:29	1

**Lab Sample ID: LCS 570-300580/2-A**  
**Matrix: Water**  
**Analysis Batch: 300744**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 300580**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Oil & Grease	40.0	38.10		mg/L		95	78 - 114

**Lab Sample ID: LCSD 570-300580/3-A**  
**Matrix: Water**  
**Analysis Batch: 300744**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 300580**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Oil & Grease	40.0	38.40		mg/L		96	78 - 114	1	18

Eurofins Calscience

# QC Association Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

## GC/MS VOA

### Analysis Batch: 303549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126050-9	COMPOSITE (GW-013123-LP-EFF 1,2,3,4)	Total/NA	Water	8260C	
MB 570-303549/10	Method Blank	Total/NA	Water	8260C	
LCS 570-303549/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-303549/6	Lab Control Sample Dup	Total/NA	Water	8260C	

## GC VOA

### Analysis Batch: 303569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126050-9	COMPOSITE (GW-013123-LP-EFF 1,2,3,4)	Total/NA	Water	NWTPH-Gx	
MB 570-303569/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-303569/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-303569/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-126050-9 MS	COMPOSITE (GW-013123-LP-EFF 1,2,3,4)	Total/NA	Water	NWTPH-Gx	
570-126050-9 MSD	COMPOSITE (GW-013123-LP-EFF 1,2,3,4)	Total/NA	Water	NWTPH-Gx	

## GC Semi VOA

### Prep Batch: 302261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126050-1	GW-013123-LP-EFF	Silica Gel Cleanup	Water	3510C SGC	
MB 570-302261/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-302261/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-302261/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 302341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126050-1	GW-013123-LP-EFF	Silica Gel Cleanup	Water	NWTPH-Dx	302261
MB 570-302261/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	302261
LCS 570-302261/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	302261
LCSD 570-302261/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	302261

## General Chemistry

### Prep Batch: 300580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126050-10	COMPOSITE (GW-013123-LP-EFF 5,6,7)	Total/NA	Water	1664A	
MB 570-300580/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-300580/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-300580/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

### Analysis Batch: 300744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-126050-10	COMPOSITE (GW-013123-LP-EFF 5,6,7)	Total/NA	Water	1664A	300580
MB 570-300580/1-A	Method Blank	Total/NA	Water	1664A	300580
LCS 570-300580/2-A	Lab Control Sample	Total/NA	Water	1664A	300580
LCSD 570-300580/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	300580

# Lab Chronicle

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

**Client Sample ID: GW-013123-LP-EFF**

**Lab Sample ID: 570-126050-1**

**Date Collected: 01/31/23 12:30**

**Matrix: Water**

**Date Received: 02/01/23 10:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3510C SGC			243.7 mL	2.5 mL	302261	02/08/23 16:17	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	302341	02/09/23 05:49	N5Y3	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: COMPOSITE (GW-013123-LP-EFF 1,2,3,4)**

**Lab Sample ID: 570-126050-9**

**Date Collected: 01/31/23 00:00**

**Matrix: Water**

**Date Received: 02/01/23 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	8260C		1	5 mL	5 mL	303549	02/14/23 12:15	KHF2	EET CAL 4
Instrument ID: GCMSPP										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	303569	02/14/23 13:37	A9VE	EET CAL 4
Instrument ID: GC1										

**Client Sample ID: COMPOSITE (GW-013123-LP-EFF 5,6,7)**

**Lab Sample ID: 570-126050-10**

**Date Collected: 01/31/23 00:00**

**Matrix: Water**

**Date Received: 02/01/23 10:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1050 mL	1000 mL	300580	02/02/23 09:36	UWEZ	EET CAL 4
Total/NA	Analysis	1664A		1			300744	02/02/23 15:29	L6IE	EET CAL 4
Instrument ID: NO EQUIQ										

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

## Laboratory: Eurofins Calscience

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

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

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# Method Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

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

#### Protocol References:

1664A = EPA-821-98-002

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

NWTPH = Northwest Total Petroleum Hydrocarbon

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

#### Laboratory References:

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



# Sample Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-126050-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-126050-1	GW-013123-LP-EFF	Water	01/31/23 12:30	02/01/23 10:00
570-126050-9	COMPOSITE (GW-013123-LP-EFF 1,2,3,4)	Water	01/31/23 00:00	02/01/23 10:00
570-126050-10	COMPOSITE (GW-013123-LP-EFF 5,6,7)	Water	01/31/23 00:00	02/01/23 10:00

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Calscience

7440 Lincoln Way Garden Grove CA 92641-1427 • (714) 895-5494  
For courier service / sample drop off information contact us26\_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GHD Services Inc.

ADDRESS 9725 3rd Avenue NE Ste 204

CITY: Seattle STATE: WA ZIP: 98115

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

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD')

SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

COELT EDF GLOBAL ID LOG CODE

SPECIAL INSTRUCTIONS

CC results to fabio.minervini@ghd.com

# CHAIN OF CUSTODY RECORD

126050

DATE: 01/23/23 07/14/22

PAGE: 1 OF 1

WO # / LAB USE ONLY

CLIENT PROJECT NAME / NUMBER

P66 Renton Terminal AOC 5228 / 11226464

PROJECT CONTACT:

Fabio Minervini 949-648-5270  
Rose Bier 305-903-4318

P.O. NO

12572873-2021-04

SAMPLER(S): (PRINT)

Luca Piscitello

## REQUESTED ANALYSES

Please check box or fill in blank as needed



570-126050 Chain of Custody

DRO/RO (NWTPH-Dx) X

GRO (NWTPH-Gx) X

BTEX (8260) X

Oil and Grease (1664) X

Unpreserved

Preserved

Field Filtered

NO. OF CONT

MATRIX

SAMPLING DATE TIME

SAMPLE ID

GW- -LP-EFF

GW- -LP-EFF 1

GW- -LP-EFF 2

GW- -LP-EFF 3

GW- -LP-EFF 4

GW- -LP-EFF 5

GW- -LP-EFF 6

GW- -LP-EFF 7

GW- -LP-EFF 7

GW- -LP-EFF 7

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Relinquished by (Signature)

Luca Piscitello GHD 01/23/23 1600

Relinquished by (Signature)

Received by (Signature/Affiliation)

Received by (Signature/Affiliation)

Received by (Signature/Affiliation)

Date

2/1/23

Date

Date

Date

Time:

1000

Time

Time

Time



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1.9/19 sc11 8/25/21 Revision

050972

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570-126050 Waybill

ORIGIN ID:OTSA (000) 000-0000  
CALSCIENCE ENVIRONMENTAL LAB  
2841 DOW AVE STE 100  
TUSTIN, CA 92780  
UNITED STATES US

AC  
CAI  
DIA  
BILL

02/01  
7405  
10:30  
9

TO

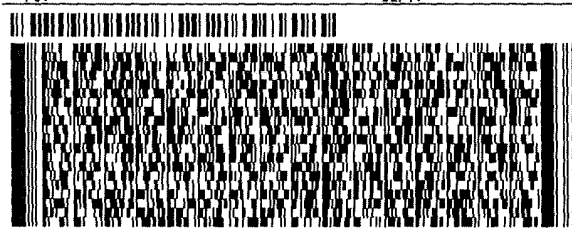
CALSCIENCE ENVIROMENTAL LAB  
2841 DOW AVE  
STE 100  
TUSTIN CA 92780

RT 2.3  
978

(714) 780-7860  
INU:  
PO:

REF:

DEPT:



FedEx  
Express



1 of 2

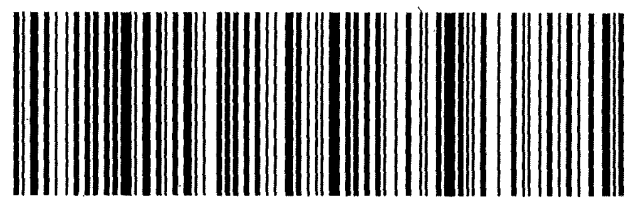
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0201

## MASTER ##

92 DTHA

WED - 01 FEB 10:30A  
PRIORITY OVERNIGHT

92780  
CA-US SNA



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# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-126050-1

**Login Number: 126050**

**List Source: Eurofins Calscience**

**List Number: 1**

**Creator: Patel, Jayesh**

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





# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 3/3/2023 2:01:51 PM

## JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12572873

## JOB NUMBER

570-128852-1

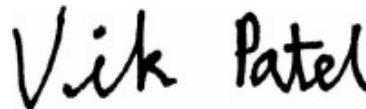
## Job Notes

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

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

## Authorization



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3/3/2023 2:01:51 PM

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



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# Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

## Glossary

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



# Case Narrative

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

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**Job ID: 570-128852-1**

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**Laboratory: Eurofins Calscience**

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**Narrative**

**Job Narrative**  
**570-128852-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 2/24/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0° C.

**Air Toxics**

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

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# Detection Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

**Client Sample ID: A-022323-LP-INF**

**Lab Sample ID: 570-128852-1**

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	72		2.5	ppb v/v	5		TO-15	Total/NA
Ethylbenzene	62		2.5	ppb v/v	5		TO-15	Total/NA
o-Xylene	110		2.5	ppb v/v	5		TO-15	Total/NA
m,p-Xylene	290		10	ppb v/v	5		TO-15	Total/NA
Toluene	250		2.5	ppb v/v	5		TO-15	Total/NA
Xylenes, Total	400		13	ppb v/v	5		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	4.5		1.0	ppm v/v	1		TO3	Total/NA

**Client Sample ID: A-022323-LP-EFF**

**Lab Sample ID: 570-128852-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

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

**Client Sample ID: A-022323-LP-INF**

**Date Collected: 02/23/23 14:00**

**Date Received: 02/24/23 09:45**

**Sample Container: Summa Canister 1L**

**Lab Sample ID: 570-128852-1**

**Matrix: Air**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	72		2.5	ppb v/v			02/28/23 22:08	5
Ethylbenzene	62		2.5	ppb v/v			02/28/23 22:08	5
o-Xylene	110		2.5	ppb v/v			02/28/23 22:08	5
m,p-Xylene	290		10	ppb v/v			02/28/23 22:08	5
Toluene	250		2.5	ppb v/v			02/28/23 22:08	5
Xylenes, Total	400		13	ppb v/v			02/28/23 22:08	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 132		02/28/23 22:08	5
4-Bromofluorobenzene (Surr)	94		70 - 130		02/28/23 22:08	5
Toluene-d8 (Surr)	83		70 - 130		02/28/23 22:08	5

**Client Sample ID: A-022323-LP-EFF**

**Date Collected: 02/23/23 14:15**

**Date Received: 02/24/23 09:45**

**Sample Container: Summa Canister 1L**

**Lab Sample ID: 570-128852-2**

**Matrix: Air**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			02/28/23 23:44	1
Ethylbenzene	ND		0.50	ppb v/v			02/28/23 23:44	1
o-Xylene	ND		0.50	ppb v/v			02/28/23 23:44	1
m,p-Xylene	ND		2.0	ppb v/v			02/28/23 23:44	1
Toluene	ND		0.50	ppb v/v			02/28/23 23:44	1
Xylenes, Total	ND		2.5	ppb v/v			02/28/23 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 132		02/28/23 23:44	1
4-Bromofluorobenzene (Surr)	94		70 - 130		02/28/23 23:44	1
Toluene-d8 (Surr)	85		70 - 130		02/28/23 23:44	1

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

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

Client Sample ID: A-022323-LP-INF

Date Collected: 02/23/23 14:00

Date Received: 02/24/23 09:45

Sample Container: Summa Canister 1L

Lab Sample ID: 570-128852-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	4.5		1.0	ppm v/v			02/25/23 14:31	1

Client Sample ID: A-022323-LP-EFF

Date Collected: 02/23/23 14:15

Date Received: 02/24/23 09:45

Sample Container: Summa Canister 1L

Lab Sample ID: 570-128852-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			02/25/23 14:06	1

# Surrogate Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

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

Matrix: Air

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL
		(66-132)	(70-130)	(70-130)
570-128852-1	A-022323-LP-INF	98	94	83
570-128852-2	A-022323-LP-EFF	96	94	85
LCS 570-307714/4	Lab Control Sample	96	90	86
LCSD 570-307714/5	Lab Control Sample Dup	94	91	87
MB 570-307714/8	Method Blank	97	95	110

### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

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

**Lab Sample ID: MB 570-307714/8**  
**Matrix: Air**  
**Analysis Batch: 307714**

**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			02/28/23 18:13	1
Ethylbenzene	ND		0.50	ppb v/v			02/28/23 18:13	1
o-Xylene	ND		0.50	ppb v/v			02/28/23 18:13	1
m,p-Xylene	ND		2.0	ppb v/v			02/28/23 18:13	1
Toluene	ND		0.50	ppb v/v			02/28/23 18:13	1
Xylenes, Total	ND		2.5	ppb v/v			02/28/23 18:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 132		02/28/23 18:13	1
4-Bromofluorobenzene (Surr)	95		70 - 130		02/28/23 18:13	1
Toluene-d8 (Surr)	110		70 - 130		02/28/23 18:13	1

**Lab Sample ID: LCS 570-307714/4**  
**Matrix: Air**  
**Analysis Batch: 307714**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	23.64		ppb v/v		95	68 - 134
Ethylbenzene	25.0	27.07		ppb v/v		108	70 - 130
o-Xylene	25.0	26.23		ppb v/v		105	68 - 130
m,p-Xylene	50.0	53.03		ppb v/v		106	70 - 130
Toluene	25.0	27.31		ppb v/v		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 132
4-Bromofluorobenzene (Surr)	90		70 - 130
Toluene-d8 (Surr)	86		70 - 130

**Lab Sample ID: LCSD 570-307714/5**  
**Matrix: Air**  
**Analysis Batch: 307714**

**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	23.31		ppb v/v		93	68 - 134	1	25
Ethylbenzene	25.0	25.78		ppb v/v		103	70 - 130	5	25
o-Xylene	25.0	24.90		ppb v/v		100	68 - 130	5	25
m,p-Xylene	50.0	51.20		ppb v/v		102	70 - 130	4	25
Toluene	25.0	26.23		ppb v/v		105	70 - 130	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 132
4-Bromofluorobenzene (Surr)	91		70 - 130
Toluene-d8 (Surr)	87		70 - 130

# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

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

**Lab Sample ID: MB 570-306995/4**  
**Matrix: Air**  
**Analysis Batch: 306995**

**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			02/25/23 07:48	1

**Lab Sample ID: LCS 570-306995/2**  
**Matrix: Air**  
**Analysis Batch: 306995**

**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	95.07		ppm v/v		95	80 - 120

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# QC Association Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

## Air - GC/MS VOA

### Analysis Batch: 307714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128852-1	A-022323-LP-INF	Total/NA	Air	TO-15	
570-128852-2	A-022323-LP-EFF	Total/NA	Air	TO-15	
MB 570-307714/8	Method Blank	Total/NA	Air	TO-15	
LCS 570-307714/4	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-307714/5	Lab Control Sample Dup	Total/NA	Air	TO-15	

## Air - GC VOA

### Analysis Batch: 306995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128852-1	A-022323-LP-INF	Total/NA	Air	TO3	
570-128852-2	A-022323-LP-EFF	Total/NA	Air	TO3	
MB 570-306995/4	Method Blank	Total/NA	Air	TO3	
LCS 570-306995/2	Lab Control Sample	Total/NA	Air	TO3	



# Lab Chronicle

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

**Client Sample ID: A-022323-LP-INF**

**Lab Sample ID: 570-128852-1**

**Date Collected: 02/23/23 14:00**

**Matrix: Air**

**Date Received: 02/24/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		5	250 mL	250 mL	307714	02/28/23 22:08	T1W	EET CAL 4
Instrument ID: GCMSZZ										
Total/NA	Analysis	TO3		1	10 mL	10 mL	306995	02/25/23 14:31	I9H5	EET CAL 4
Instrument ID: GC71										

**Client Sample ID: A-022323-LP-EFF**

**Lab Sample ID: 570-128852-2**

**Date Collected: 02/23/23 14:15**

**Matrix: Air**

**Date Received: 02/24/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	250 mL	250 mL	307714	02/28/23 23:44	T1W	EET CAL 4
Instrument ID: GCMSZZ										
Total/NA	Analysis	TO3		1	10 mL	10 mL	306995	02/25/23 14:06	I9H5	EET CAL 4
Instrument ID: GC71										

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

## Laboratory: Eurofins Calscience

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

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

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

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



# Method Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

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

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

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

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# Sample Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128852-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-128852-1	A-022323-LP-INF	Air	02/23/23 14:00	02/24/23 09:45	Air Canister (1-Liter) #LC994
570-128852-2	A-022323-LP-EFF	Air	02/23/23 14:15	02/24/23 09:45	Air Canister (1-Liter) #LC235

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Calscience

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494  
For courier services / sample drop off information contact us26\_sales@eurofins.com or call us

LABORATORY CLIENT

GHD Services Inc.

ADDRESS: 9725 3rd Avenue NE Ste 204

CITY: Seattle

STATE: WA ZIP: 98115

TEL: 305-903-4318

E-MAIL: [rosemary\\_bier@ghd.com](mailto:rosemary_bier@ghd.com)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")

SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

COELT EDF

GLOBAL ID

LOG CODE

SPECIAL INSTRUCTIONS

CC results to fabio.minervini@ghd.com

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO OF CONT.
		DATE	TIME		
1	A-022323-LP-INF	02/23/23	1400	A	1
2	A-022323-LP-EFF		1415	A	1

Unpreserved  
Preserved  
Field Filtered

TOIS (MUD) 3 TEX  
TOX 680  
X X  
X X

LC994  
LC235

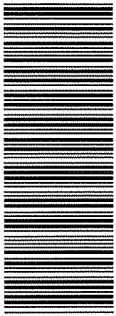
### REQUESTED ANALYSES

Please check box or fill in blank as needed

CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464  
 PROJECT CONTACT: Fabio Minervini 949-648-5270  
 Rose Bier 305-903-4318

P O NO: 11226464-2021-04  
 SAMPLER(S): (PRINT) Luca Piscitello

570-128852 Chain of Custody



## CHAIN OF CUSTODY RECORD

DATE: 02/23/23  
PAGE: OF

128852

Relinquished by (Signature)	Received by (Signature/Affiliation)	Date	Time
	Felder	2-24-23	0945
	bc	2/25/23	0945



570-128852 Waybi



570-128852 Waybill

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

SHIP DATE: 23FEB23  
ACTWT: 6.10 LB  
CAD: 6990555/SSF02401  
DIMS: 11x11x10 IN  
BILL THIRD PARTY

Part # 156297-538/RRK521 EXP 01/24

TO

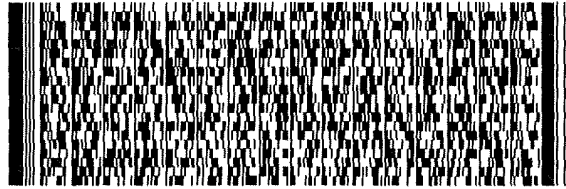
**CALSCIENCE ENVIRONMENTAL LAB  
STE 100  
2841 DOW AVE STE 100  
TUSTIN CA 92780**

(503) 956-5391

REF:

INVT

DEPT:



**FedEx**  
Express



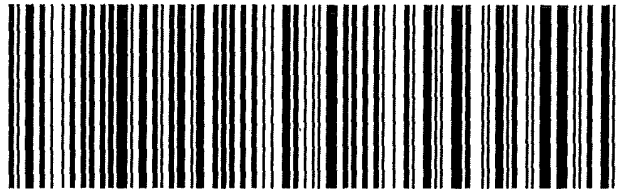
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TRK# 3949 9378 5480  
0201

**FRI - 24 FEB 10:30A  
PRIORITY OVERNIGHT**

**92 DTHA**

**92780  
CA-US SNA**



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# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-128852-1

**Login Number: 128852**

**List Source: Eurofins Calscience**

**List Number: 1**

**Creator: Cortez Diaz, Antonio**

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

## Summa Canister Dilution Worksheet

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job No.: 570-128852-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Final Gauge ID	Date	Time	Analyst Initials
570-128852-1	1	-29.5	-5.5	0.82	0.82	-2.70135	0.82	0.82		1.00	1.00	AIR MG 7	02/24/23	15:15	YY9P
570-128852-2	1	-29.5	-5.0	0.83	0.83	-2.45577	0.83	0.83		1.00	1.00	AIR MG 7	02/24/23	15:15	YY9P

**Formulae:**

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

**Where:**

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





# **ANALYTICAL REPORT**

## **PREPARED FOR**

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

Generated 3/6/2023 12:43:48 PM

## **JOB DESCRIPTION**

P66 Renton Terminal AOC 5228 / 12572873

## **JOB NUMBER**

570-128890-1

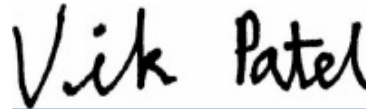
## Job Notes

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

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

## Authorization



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3/6/2023 12:43:48 PM

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



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# Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

## Glossary

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

# Case Narrative

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

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## Job ID: 570-128890-1

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### Laboratory: Eurofins Calscience

#### Narrative

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#### Job Narrative 570-128890-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/24/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

#### GC/MS VOA

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: GW-022323-LP-MID 1 (570-128890-2) and GW-022323-LP-MID 2 (570-128890-3). Elevated reporting limits (RLs) are provided.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-307213. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

#### GC VOA

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

#### GC Semi VOA

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

#### Organic Prep

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-308135. 8015B\_DRO. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

#### VOA Prep

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

# Detection Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

## Client Sample ID: GW-022323-LP-INF 1

## Lab Sample ID: 570-128890-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4100		50	ug/L	100		8260C	Total/NA
Toluene	6500		100	ug/L	100		8260C	Total/NA
o-Xylene	2000		100	ug/L	100		8260C	Total/NA
m,p-Xylene	6100		200	ug/L	100		8260C	Total/NA
Ethylbenzene	860		100	ug/L	100		8260C	Total/NA
Xylenes, Total	8100		200	ug/L	100		8260C	Total/NA
TPH as Gasoline (C4-C13)	34000		1000	ug/L	10		NWTPH-Gx	Total/NA
TPH as Diesel Range	2.0		0.093	mg/L	1		NWTPH-Dx	Silica Gel Cleanup
TPH as Motor Oil Range	0.17		0.093	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

## Client Sample ID: GW-022323-LP-MID 1

## Lab Sample ID: 570-128890-2

No Detections.

## Client Sample ID: GW-022323-LP-MID 2

## Lab Sample ID: 570-128890-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.7		1.0	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

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

**Client Sample ID: GW-022323-LP-INF 1**

**Date Collected: 02/23/23 13:45**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-128890-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4100		50	ug/L			02/27/23 11:14	100
Toluene	6500		100	ug/L			02/27/23 11:14	100
o-Xylene	2000		100	ug/L			02/27/23 11:14	100
m,p-Xylene	6100		200	ug/L			02/27/23 11:14	100
Ethylbenzene	860		100	ug/L			02/27/23 11:14	100
Xylenes, Total	8100		200	ug/L			02/27/23 11:14	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 123		02/27/23 11:14	100
4-Bromofluorobenzene (Surr)	98		80 - 120		02/27/23 11:14	100
Dibromofluoromethane (Surr)	96		78 - 120		02/27/23 11:14	100
Toluene-d8 (Surr)	99		80 - 120		02/27/23 11:14	100

**Client Sample ID: GW-022323-LP-MID 1**

**Date Collected: 02/23/23 13:30**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-128890-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/L			02/27/23 11:37	4
Toluene	ND		4.0	ug/L			02/27/23 11:37	4
o-Xylene	ND		4.0	ug/L			02/27/23 11:37	4
m,p-Xylene	ND		8.0	ug/L			02/27/23 11:37	4
Ethylbenzene	ND		4.0	ug/L			02/27/23 11:37	4
Xylenes, Total	ND		8.0	ug/L			02/27/23 11:37	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 123		02/27/23 11:37	4
4-Bromofluorobenzene (Surr)	97		80 - 120		02/27/23 11:37	4
Dibromofluoromethane (Surr)	97		78 - 120		02/27/23 11:37	4
Toluene-d8 (Surr)	99		80 - 120		02/27/23 11:37	4

**Client Sample ID: GW-022323-LP-MID 2**

**Date Collected: 02/23/23 13:15**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-128890-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.7		1.0	ug/L			02/27/23 11:59	2
Toluene	ND		2.0	ug/L			02/27/23 11:59	2
o-Xylene	ND		2.0	ug/L			02/27/23 11:59	2
m,p-Xylene	ND		4.0	ug/L			02/27/23 11:59	2
Ethylbenzene	ND		2.0	ug/L			02/27/23 11:59	2
Xylenes, Total	ND		4.0	ug/L			02/27/23 11:59	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 123		02/27/23 11:59	2
4-Bromofluorobenzene (Surr)	97		80 - 120		02/27/23 11:59	2
Dibromofluoromethane (Surr)	97		78 - 120		02/27/23 11:59	2
Toluene-d8 (Surr)	99		80 - 120		02/27/23 11:59	2

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

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

**Client Sample ID: GW-022323-LP-INF 1**

**Date Collected: 02/23/23 13:45**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-128890-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	34000		1000	ug/L	-		03/01/23 17:00	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		50 - 150				03/01/23 17:00	10

**Client Sample ID: GW-022323-LP-MID 1**

**Date Collected: 02/23/23 13:30**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-128890-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		03/01/23 16:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63		50 - 150				03/01/23 16:13	1

**Client Sample ID: GW-022323-LP-MID 2**

**Date Collected: 02/23/23 13:15**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-128890-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		03/01/23 16:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66		50 - 150				03/01/23 16:36	1



# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

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

**Client Sample ID: GW-022323-LP-INF 1**

**Date Collected: 02/23/23 13:45**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-128890-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	2.0		0.093	mg/L		03/01/23 14:31	03/01/23 20:45	1
TPH as Motor Oil Range	0.17		0.093	mg/L		03/01/23 14:31	03/01/23 20:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	71		50 - 150			03/01/23 14:31	03/01/23 20:45	1

**Client Sample ID: GW-022323-LP-MID 1**

**Date Collected: 02/23/23 13:30**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-128890-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.095	mg/L		03/01/23 14:31	03/01/23 21:07	1
TPH as Motor Oil Range	ND		0.095	mg/L		03/01/23 14:31	03/01/23 21:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	114		50 - 150			03/01/23 14:31	03/01/23 21:07	1

**Client Sample ID: GW-022323-LP-MID 2**

**Date Collected: 02/23/23 13:15**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-128890-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.096	mg/L		03/01/23 14:31	03/01/23 21:28	1
TPH as Motor Oil Range	ND		0.096	mg/L		03/01/23 14:31	03/01/23 21:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	84		50 - 150			03/01/23 14:31	03/01/23 21:28	1

# Surrogate Summary

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-128890-1	GW-022323-LP-INF 1	97	98	96	99
570-128890-2	GW-022323-LP-MID 1	98	97	97	99
570-128890-3	GW-022323-LP-MID 2	99	97	97	99
LCS 570-307213/4	Lab Control Sample	97	99	96	99
LCSD 570-307213/5	Lab Control Sample Dup	99	98	96	100
MB 570-307213/8	Method Blank	96	97	96	98

#### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1
		(50-150)
570-128890-1	GW-022323-LP-INF 1	101
570-128890-2	GW-022323-LP-MID 1	63
570-128890-2 MS	GW-022323-LP-MID 1	89
570-128890-2 MSD	GW-022323-LP-MID 1	89
570-128890-3	GW-022323-LP-MID 2	66
LCS 570-308047/3	Lab Control Sample	93
LCSD 570-308047/4	Lab Control Sample Dup	80
MB 570-308047/5	Method Blank	68

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Silica Gel Cleanup

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN
		(50-150)
570-128890-1	GW-022323-LP-INF 1	71
570-128890-2	GW-022323-LP-MID 1	114
570-128890-3	GW-022323-LP-MID 2	84
LCS 570-308135/2-A	Lab Control Sample	108
LCSD 570-308135/3-A	Lab Control Sample Dup	108
MB 570-308135/1-A	Method Blank	111

#### Surrogate Legend

OTCSN = n-Octacosane (Surr)

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

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

**Lab Sample ID: MB 570-307213/8**  
**Matrix: Water**  
**Analysis Batch: 307213**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/27/23 10:52	1
Toluene	ND		1.0	ug/L			02/27/23 10:52	1
o-Xylene	ND		1.0	ug/L			02/27/23 10:52	1
m,p-Xylene	ND		2.0	ug/L			02/27/23 10:52	1
Ethylbenzene	ND		1.0	ug/L			02/27/23 10:52	1
Xylenes, Total	ND		2.0	ug/L			02/27/23 10:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 123		02/27/23 10:52	1
4-Bromofluorobenzene (Surr)	97		80 - 120		02/27/23 10:52	1
Dibromofluoromethane (Surr)	96		78 - 120		02/27/23 10:52	1
Toluene-d8 (Surr)	98		80 - 120		02/27/23 10:52	1

**Lab Sample ID: LCS 570-307213/4**  
**Matrix: Water**  
**Analysis Batch: 307213**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	19.86		ug/L		99	80 - 121
Toluene	20.0	21.13		ug/L		106	80 - 120
o-Xylene	20.0	20.80		ug/L		104	80 - 122
m,p-Xylene	40.0	41.23		ug/L		103	80 - 123
Ethylbenzene	20.0	20.98		ug/L		105	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 123
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	96		78 - 120
Toluene-d8 (Surr)	99		80 - 120

**Lab Sample ID: LCSD 570-307213/5**  
**Matrix: Water**  
**Analysis Batch: 307213**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	19.72		ug/L		99	80 - 121	1	20
Toluene	20.0	20.43		ug/L		102	80 - 120	3	20
o-Xylene	20.0	20.45		ug/L		102	80 - 122	2	20
m,p-Xylene	40.0	41.39		ug/L		103	80 - 123	0	20
Ethylbenzene	20.0	20.90		ug/L		104	80 - 121	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 123
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	96		78 - 120
Toluene-d8 (Surr)	100		80 - 120

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

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

**Lab Sample ID: MB 570-308047/5**  
**Matrix: Water**  
**Analysis Batch: 308047**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			03/01/23 15:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		50 - 150				03/01/23 15:32	1

**Lab Sample ID: LCS 570-308047/3**  
**Matrix: Water**  
**Analysis Batch: 308047**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1920	2114		ug/L		110	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		50 - 150				

**Lab Sample ID: LCSD 570-308047/4**  
**Matrix: Water**  
**Analysis Batch: 308047**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1920	2142		ug/L		111	76 - 128	1	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	80		50 - 150						

**Lab Sample ID: 570-128890-2 MS**  
**Matrix: Water**  
**Analysis Batch: 308047**

**Client Sample ID: GW-022323-LP-MID 1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	ND		1920	1860		ug/L		97	69 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		50 - 150						

**Lab Sample ID: 570-128890-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 308047**

**Client Sample ID: GW-022323-LP-MID 1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		1920	1852		ug/L		96	69 - 132	0	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	89		50 - 150								

# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

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

**Lab Sample ID: MB 570-308135/1-A**  
**Matrix: Water**  
**Analysis Batch: 308220**

**Client Sample ID: Method Blank**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 308135**

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
TPH as Diesel Range	ND		0.10	mg/L		03/01/23 14:31	03/01/23 19:41	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 14:31	03/01/23 19:41	1
Surrogate		MB MB	Limits			Prepared	Analyzed	Dil Fac
		%Recovery		Qualifier				
n-Octacosane (Surr)		111				03/01/23 14:31	03/01/23 19:41	1

**Lab Sample ID: LCS 570-308135/2-A**  
**Matrix: Water**  
**Analysis Batch: 308220**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 308135**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Surrogate		LCS LCS	Limits				
		%Recovery		Qualifier			
n-Octacosane (Surr)		108		50 - 150			

**Lab Sample ID: LCSD 570-308135/3-A**  
**Matrix: Water**  
**Analysis Batch: 308220**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 308135**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
C10-C28	4.00	3.998		mg/L		100	68 - 120	2	20
Surrogate		LCSD LCSD	Limits						
		%Recovery		Qualifier					
n-Octacosane (Surr)		108		50 - 150					

# QC Association Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

## GC/MS VOA

### Analysis Batch: 307213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128890-1	GW-022323-LP-INF 1	Total/NA	Water	8260C	
570-128890-2	GW-022323-LP-MID 1	Total/NA	Water	8260C	
570-128890-3	GW-022323-LP-MID 2	Total/NA	Water	8260C	
MB 570-307213/8	Method Blank	Total/NA	Water	8260C	
LCS 570-307213/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-307213/5	Lab Control Sample Dup	Total/NA	Water	8260C	

## GC VOA

### Analysis Batch: 308047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128890-1	GW-022323-LP-INF 1	Total/NA	Water	NWTPH-Gx	
570-128890-2	GW-022323-LP-MID 1	Total/NA	Water	NWTPH-Gx	
570-128890-3	GW-022323-LP-MID 2	Total/NA	Water	NWTPH-Gx	
MB 570-308047/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-308047/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-308047/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-128890-2 MS	GW-022323-LP-MID 1	Total/NA	Water	NWTPH-Gx	
570-128890-2 MSD	GW-022323-LP-MID 1	Total/NA	Water	NWTPH-Gx	

## GC Semi VOA

### Prep Batch: 308135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128890-1	GW-022323-LP-INF 1	Silica Gel Cleanup	Water	3510C SGC	
570-128890-2	GW-022323-LP-MID 1	Silica Gel Cleanup	Water	3510C SGC	
570-128890-3	GW-022323-LP-MID 2	Silica Gel Cleanup	Water	3510C SGC	
MB 570-308135/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-308135/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-308135/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 308220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128890-1	GW-022323-LP-INF 1	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128890-2	GW-022323-LP-MID 1	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128890-3	GW-022323-LP-MID 2	Silica Gel Cleanup	Water	NWTPH-Dx	308135
MB 570-308135/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	308135
LCS 570-308135/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	308135
LCSD 570-308135/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	308135

# Lab Chronicle

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

## Client Sample ID: GW-022323-LP-INF 1

## Lab Sample ID: 570-128890-1

Date Collected: 02/23/23 13:45

Matrix: Water

Date Received: 02/24/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	5 mL	5 mL	307213	02/27/23 11:14	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	308047	03/01/23 17:00	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			269.6 mL	2.5 mL	308135	03/01/23 14:31	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308220	03/01/23 20:45	N1A	EET CAL 4
Instrument ID: GC48										

## Client Sample ID: GW-022323-LP-MID 1

## Lab Sample ID: 570-128890-2

Date Collected: 02/23/23 13:30

Matrix: Water

Date Received: 02/24/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	5 mL	5 mL	307213	02/27/23 11:37	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	308047	03/01/23 16:13	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			262.3 mL	2.5 mL	308135	03/01/23 14:31	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308220	03/01/23 21:07	N1A	EET CAL 4
Instrument ID: GC48										

## Client Sample ID: GW-022323-LP-MID 2

## Lab Sample ID: 570-128890-3

Date Collected: 02/23/23 13:15

Matrix: Water

Date Received: 02/24/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	5 mL	5 mL	307213	02/27/23 11:59	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	308047	03/01/23 16:36	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			260 mL	2.5 mL	308135	03/01/23 14:31	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308220	03/01/23 21:28	N1A	EET CAL 4
Instrument ID: GC48										

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

## Laboratory: Eurofins Calscience

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

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

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# Method Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

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

#### Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

#### Laboratory References:

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



# Sample Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128890-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-128890-1	GW-022323-LP-INF 1	Water	02/23/23 13:45	02/24/23 09:45
570-128890-2	GW-022323-LP-MID 1	Water	02/23/23 13:30	02/24/23 09:45
570-128890-3	GW-022323-LP-MID 2	Water	02/23/23 13:15	02/24/23 09:45

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Calscience

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494  
For courier service / sample drop off information contact us26\_sales@eurofins.com or call us  
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

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")

SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

CC results to fabio.minervini@ghd.com

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO OF CONT
		DATE	TIME		
	GW-022323-LP-INF 1	02/23/23	1345	GW	8
	GW- -LP-MID 1	↓	1330	GW	8
	GW- -LP-MID 2	↓	1315	GW	8

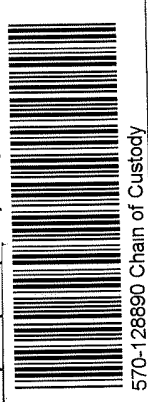
LOG CODE:	UNPRESERVED		PRESERVED		FIELD FILTERED	
		X	X	X		
		X	X	X		
		X	X	X		

DR/ORO (NWTPH-DX)	GRO (NWTPH-GX)	BTEX (8260)	Oil and Grease (1664)
X	X	X	
X	X	X	
X	X	X	

Please check box or fill in blank as needed

REQUESTED ANALYSES

CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 12572873  
 PROJECT CONTACT: Fabio Minervini 949-648-5270  
 Rose Bier 206-802-1595  
 P.O. NO: 12572873-2021-04  
 SAMPLER(S) (PRINT): Luca Piscitello



570-128890 Chain of Custody

Relinquished by (Signature) Luca Piscitello GHD 02/23/23 1500	Received by (Signature/Affiliation) [Signature]	Date 2/24/23	Time 0945
Relinquished by (Signature)	Received by (Signature/Affiliation)	Date	Time
Relinquished by (Signature)	Received by (Signature/Affiliation)	Date	Time

125500  
DATE: 02/23/23  
PAGE: 1 OF 1



128890

ORIGIN ID:OTSA (503) 956-5381  
CALSCIENCE ENVIRONMENTAL LAB  
SLE 100  
2841 DOW AVE STE 100  
TUSTIN, CA 92780  
UNITED STATES US

SHIP DATE: 23FEB23  
ACTWGT: 40.15 LB  
CRD: 690555/SSFO2401  
DIMS: 25X15X13 IN  
BILL THIRD PARTY

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

(503) 956-5381 REF:  
NU: POL:

DEPT:



570-128890 Waybill

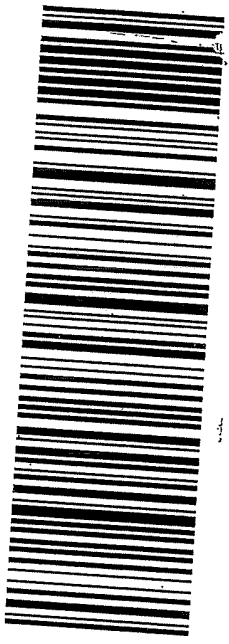


**FRI - 24 FEB 10:30A**  
**PRIORITY OVERNIGHT**

TRK# 0201 3949 9374 6553

**92 DTHA**

AHS 92780  
CA-US SNA



Part # 156297469 / PAB02 EXP 01/24



# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-128890-1

**Login Number: 128890**

**List Source: Eurofins Calscience**

**List Number: 1**

**Creator: Patel, Jayesh**

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



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 3/7/2023 12:46:59 PM

## JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12572873

## JOB NUMBER

570-128883-1

## Job Notes

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

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

## Authorization



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3/7/2023 12:46:59 PM

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



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# Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

## Glossary

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

# Case Narrative

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

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## Job ID: 570-128883-1

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### Laboratory: Eurofins Calscience

#### Narrative

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#### Job Narrative 570-128883-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/24/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

#### Receipt Exceptions

All containers for the following sample was received broken : GW-022303-LP-EFF 2 (570-128883-3).

#### GC/MS VOA

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 570-309162.

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

#### GC VOA

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

#### GC Semi VOA

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

#### Metals

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

#### Organic Prep

Method 1664A: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-309169.  
Method: 1664.

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

#### VOA Prep

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

# Detection Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

**Client Sample ID: GW-022303-LP-EFF**

**Lab Sample ID: 570-128883-1**

No Detections.

**Client Sample ID: COMPOSITE (GW-022303-LP-EFF 1,3,4)**

**Lab Sample ID: 570-128883-9**

No Detections.

**Client Sample ID: COMPOSITE (GW-022303-LP-EFF 5,6,7)**

**Lab Sample ID: 570-128883-10**

No Detections.

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This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

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

**Client Sample ID: COMPOSITE (GW-022303-LP-EFF 1,3,4)**

**Lab Sample ID: 570-128883-9**

**Date Collected: 02/23/23 00:00**

**Matrix: Water**

**Date Received: 02/24/23 09:45**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			03/06/23 16:20	1
Toluene	ND		1.0	ug/L			03/06/23 16:20	1
o-Xylene	ND		1.0	ug/L			03/06/23 16:20	1
m,p-Xylene	ND		2.0	ug/L			03/06/23 16:20	1
Ethylbenzene	ND		1.0	ug/L			03/06/23 16:20	1
Xylenes, Total	ND		2.0	ug/L			03/06/23 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		70 - 123		03/06/23 16:20	1
4-Bromofluorobenzene (Surr)	89		80 - 120		03/06/23 16:20	1
Dibromofluoromethane (Surr)	108		78 - 120		03/06/23 16:20	1
Toluene-d8 (Surr)	97		80 - 120		03/06/23 16:20	1

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

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

Client Sample ID: COMPOSITE (GW-022303-LP-EFF 1,3,4)

Date Collected: 02/23/23 00:00

Date Received: 02/24/23 09:45

Lab Sample ID: 570-128883-9

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			03/06/23 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		50 - 150		03/06/23 13:48	1

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

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

Client Sample ID: GW-022303-LP-EFF

Date Collected: 02/23/23 12:15

Date Received: 02/24/23 09:45

Lab Sample ID: 570-128883-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.098	mg/L		03/06/23 13:48	03/06/23 21:10	1
TPH as Motor Oil Range	ND		0.098	mg/L		03/06/23 13:48	03/06/23 21:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	106		50 - 150			03/06/23 13:48	03/06/23 21:10	1

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

## General Chemistry

Client Sample ID: COMPOSITE (GW-022303-LP-EFF 5,6,7)

Date Collected: 02/23/23 00:00

Date Received: 02/24/23 09:45

Lab Sample ID: 570-128883-10

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (40CFR136A 1664A)	ND		1.00	mg/L		03/06/23 10:37	03/07/23 10:02	1

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# Surrogate Summary

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-128883-9	COMPOSITE (GW-022303-LP-E	112	89	108	97
LCS 570-309162/4	Lab Control Sample	99	98	99	100
LCSD 570-309162/5	Lab Control Sample Dup	98	97	97	100
MB 570-309162/7	Method Blank	107	89	105	99

#### Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1
		(50-150)
570-128883-9	COMPOSITE (GW-022303-LP-E	72
570-128883-9 MS	COMPOSITE (GW-022303-LP-EFF 1,3,4)	94
570-128883-9 MSD	COMPOSITE (GW-022303-LP-EFF 1,3,4)	79
LCS 570-309150/3	Lab Control Sample	91
LCSD 570-309150/4	Lab Control Sample Dup	76
MB 570-309150/5	Method Blank	69

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Silica Gel Cleanup

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN
		(50-150)
570-128883-1	GW-022303-LP-EFF	106
LCS 570-309266/2-A	Lab Control Sample	105
LCSD 570-309266/3-A	Lab Control Sample Dup	100
MB 570-309266/1-A	Method Blank	104

#### Surrogate Legend

OTCSN = n-Octacosane (Surr)



# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

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

**Lab Sample ID: MB 570-309162/7**  
**Matrix: Water**  
**Analysis Batch: 309162**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			03/06/23 12:31	1
Toluene	ND		1.0	ug/L			03/06/23 12:31	1
o-Xylene	ND		1.0	ug/L			03/06/23 12:31	1
m,p-Xylene	ND		2.0	ug/L			03/06/23 12:31	1
Ethylbenzene	ND		1.0	ug/L			03/06/23 12:31	1
Xylenes, Total	ND		2.0	ug/L			03/06/23 12:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 123		03/06/23 12:31	1
4-Bromofluorobenzene (Surr)	89		80 - 120		03/06/23 12:31	1
Dibromofluoromethane (Surr)	105		78 - 120		03/06/23 12:31	1
Toluene-d8 (Surr)	99		80 - 120		03/06/23 12:31	1

**Lab Sample ID: LCS 570-309162/4**  
**Matrix: Water**  
**Analysis Batch: 309162**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	20.26		ug/L		101	80 - 121
Toluene	20.0	20.14		ug/L		101	80 - 120
o-Xylene	20.0	19.73		ug/L		99	80 - 122
m,p-Xylene	40.0	41.91		ug/L		105	80 - 123
Ethylbenzene	20.0	20.17		ug/L		101	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 123
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	99		78 - 120
Toluene-d8 (Surr)	100		80 - 120

**Lab Sample ID: LCSD 570-309162/5**  
**Matrix: Water**  
**Analysis Batch: 309162**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	19.85		ug/L		99	80 - 121	2	20
Toluene	20.0	19.89		ug/L		99	80 - 120	1	20
o-Xylene	20.0	19.39		ug/L		97	80 - 122	2	20
m,p-Xylene	40.0	41.00		ug/L		103	80 - 123	2	20
Ethylbenzene	20.0	19.73		ug/L		99	80 - 121	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 123
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	97		78 - 120
Toluene-d8 (Surr)	100		80 - 120

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

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

**Lab Sample ID: MB 570-309150/5**  
**Matrix: Water**  
**Analysis Batch: 309150**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			03/06/23 13:07	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69		50 - 150				03/06/23 13:07	1

**Lab Sample ID: LCS 570-309150/3**  
**Matrix: Water**  
**Analysis Batch: 309150**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1920	1946		ug/L		101	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	91		50 - 150				

**Lab Sample ID: LCSD 570-309150/4**  
**Matrix: Water**  
**Analysis Batch: 309150**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1920	1983		ug/L		103	76 - 128	2	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	76		50 - 150						

**Lab Sample ID: 570-128883-9 MS**  
**Matrix: Water**  
**Analysis Batch: 309150**

**Client Sample ID: COMPOSITE (GW-022303-LP-EFF 1,3,4)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	ND		1920	2094		ug/L		109	69 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	94		50 - 150						

**Lab Sample ID: 570-128883-9 MSD**  
**Matrix: Water**  
**Analysis Batch: 309150**

**Client Sample ID: COMPOSITE (GW-022303-LP-EFF 1,3,4)**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		1920	2039		ug/L		106	69 - 132	3	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	79		50 - 150								

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

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

**Lab Sample ID: MB 570-309266/1-A**  
**Matrix: Water**  
**Analysis Batch: 309332**

**Client Sample ID: Method Blank**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 309266**

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
TPH as Diesel Range	ND		0.10	mg/L		03/06/23 13:48	03/06/23 17:35	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/06/23 13:48	03/06/23 17:35	1
Surrogate		MB MB	Limits			Prepared	Analyzed	Dil Fac
		%Recovery		Qualifier				
n-Octacosane (Surr)		104	50 - 150			03/06/23 13:48	03/06/23 17:35	1

**Lab Sample ID: LCS 570-309266/2-A**  
**Matrix: Water**  
**Analysis Batch: 309332**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 309266**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits		
		Result	Qualifier					RPD	Limit
C10-C28	4.00	3.888		mg/L		97	68 - 120		
Surrogate		LCS LCS	Limits			%Rec			
		%Recovery		Qualifier					
n-Octacosane (Surr)		105	50 - 150						

**Lab Sample ID: LCSD 570-309266/3-A**  
**Matrix: Water**  
**Analysis Batch: 309332**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 309266**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
C10-C28	4.00	3.774		mg/L		94	68 - 120	3	20
Surrogate		LCSD LCSD	Limits			%Rec			
		%Recovery		Qualifier					
n-Octacosane (Surr)		100	50 - 150						

## Method: 1664A - Oil and Grease

**Lab Sample ID: MB 570-309169/1-A**  
**Matrix: Water**  
**Analysis Batch: 309527**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 309169**

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Oil & Grease	ND		1.00	mg/L		03/06/23 10:24	03/07/23 10:02	1

**Lab Sample ID: LCS 570-309169/2-A**  
**Matrix: Water**  
**Analysis Batch: 309527**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 309169**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits		
		Result	Qualifier					RPD	Limit
Oil & Grease	40.0	38.20		mg/L		95	78 - 114		

**Lab Sample ID: LCSD 570-309169/3-A**  
**Matrix: Water**  
**Analysis Batch: 309527**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 309169**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Oil & Grease	40.0	37.80		mg/L		94	78 - 114	1	18

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# QC Association Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

## GC/MS VOA

### Analysis Batch: 309162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128883-9	COMPOSITE (GW-022303-LP-EFF 1,3,4)	Total/NA	Water	8260C	
MB 570-309162/7	Method Blank	Total/NA	Water	8260C	
LCS 570-309162/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-309162/5	Lab Control Sample Dup	Total/NA	Water	8260C	

## GC VOA

### Analysis Batch: 309150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128883-9	COMPOSITE (GW-022303-LP-EFF 1,3,4)	Total/NA	Water	NWTPH-Gx	
MB 570-309150/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-309150/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-309150/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-128883-9 MS	COMPOSITE (GW-022303-LP-EFF 1,3,4)	Total/NA	Water	NWTPH-Gx	
570-128883-9 MSD	COMPOSITE (GW-022303-LP-EFF 1,3,4)	Total/NA	Water	NWTPH-Gx	

## GC Semi VOA

### Prep Batch: 309266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128883-1	GW-022303-LP-EFF	Silica Gel Cleanup	Water	3510C SGC	
MB 570-309266/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-309266/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-309266/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 309332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128883-1	GW-022303-LP-EFF	Silica Gel Cleanup	Water	NWTPH-Dx	309266
MB 570-309266/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	309266
LCS 570-309266/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	309266
LCSD 570-309266/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	309266

## General Chemistry

### Prep Batch: 309169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128883-10	COMPOSITE (GW-022303-LP-EFF 5,6,7)	Total/NA	Water	1664A	
MB 570-309169/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-309169/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-309169/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

### Analysis Batch: 309527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128883-10	COMPOSITE (GW-022303-LP-EFF 5,6,7)	Total/NA	Water	1664A	309169
MB 570-309169/1-A	Method Blank	Total/NA	Water	1664A	309169
LCS 570-309169/2-A	Lab Control Sample	Total/NA	Water	1664A	309169
LCSD 570-309169/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	309169

# Lab Chronicle

Client: GHD Services Inc.  
 Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

**Client Sample ID: GW-022303-LP-EFF**

**Lab Sample ID: 570-128883-1**

**Date Collected: 02/23/23 12:15**

**Matrix: Water**

**Date Received: 02/24/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3510C SGC			255.6 mL	2.5 mL	309266	03/06/23 13:48	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	309332	03/06/23 21:10	SP9M	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: COMPOSITE (GW-022303-LP-EFF 1,3,4)**

**Lab Sample ID: 570-128883-9**

**Date Collected: 02/23/23 00:00**

**Matrix: Water**

**Date Received: 02/24/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	309162	03/06/23 16:20	KHF2	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	309150	03/06/23 13:48	A9VE	EET CAL 4
Instrument ID: GC1										

**Client Sample ID: COMPOSITE (GW-022303-LP-EFF 5,6,7)**

**Lab Sample ID: 570-128883-10**

**Date Collected: 02/23/23 00:00**

**Matrix: Water**

**Date Received: 02/24/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	309169	03/06/23 10:37	RY4P	EET CAL 4
Total/NA	Analysis	1664A		1			309527	03/07/23 10:02	L6IE	EET CAL 4
Instrument ID: NO EQUIQ										

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

## Laboratory: Eurofins Calscience

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

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

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# Method Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

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

#### Protocol References:

1664A = EPA-821-98-002

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

NWTPH = Northwest Total Petroleum Hydrocarbon

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

#### Laboratory References:

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

# Sample Summary

Client: GHD Services Inc.  
Project/Site: P66 Renton Terminal AOC 5228 / 12572873

Job ID: 570-128883-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-128883-1	GW-022303-LP-EFF	Water	02/23/23 12:15	02/24/23 09:45
570-128883-9	COMPOSITE (GW-022303-LP-EFF 1,3,4)	Water	02/23/23 00:00	02/24/23 09:45
570-128883-10	COMPOSITE (GW-022303-LP-EFF 5,6,7)	Water	02/23/23 00:00	02/24/23 09:45

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Calscience

7440 Lincoln Way Garden Grove, CA 92841-1427 • (714) 895-5494  
For courier service / sample drop off information contact us26\_sales@eurofins.com or call us

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

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")

SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

GLOBAL ID

LOG CODE

SPECIAL INSTRUCTIONS

CC results to fabio.minervini@ghd.com

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO OF CONT
		DATE	TIME		
1	GW-022303-LP-EFF	02/23/23	1215	GW	2
2	GW-LP-EFF 1		1215	GW	2
3	GW-LP-EFF 2		1230	GW	2
4	GW-LP-EFF 3		1245	GW	2
5	GW-LP-EFF 4		1300	GW	2
6	GW-LP-EFF 5		1215	GW	1
7	GW-LP-EFF 6		1230	GW	1
8	GW-LP-EFF 7		1245	GW	1

Relinquished by (Signature)  
 Luca F. Minervini GHD 02/23/23 15:00  
 Relinquished by (Signature)  
 Relinquished by (Signature)

Received by (Signature/Affiliation)  
 [Signature]  
 Received by (Signature/Affiliation)  
 Received by (Signature/Affiliation)

# CHAIN OF CUSTODY RECORD

128553

DATE: 02/23/23 074422

PAGE: 1 OF 1

WO # / LAB USE ONLY

CLIENT PROJECT NAME / NUMBER  
P66 Renton Terminal AOC 5228 / 11226464

PROJECT CONTACT  
Fabio Minervini 949-648-5270  
Rose Bier 305-903-4318

PO NO  
12572873-2021-04

SAMPLER(S) (PRINT)  
Luca Piscitello

## REQUESTED ANALYSES

Please check box or fill in blank as needed

DR/ORO (NW/PH-DX)	GRD (NW/PH-GX)	BTEX (8260)	Oil and Grease (1664)	Field Filtered	Preserved	Unpreserved	Lab Composite
X	X	X			X		Lab Composite
	X	X			X		Lab Composite
	X	X			X		Lab Composite
	X	X			X		Lab Composite
	X	X			X		Lab Composite
			X		X		Lab Composite
			X		X		Lab Composite
			X		X		Lab Composite



570-128883 Chain of Custody

Date: 2/24/23 Time: 0945

Date: [blank] Time: [blank]

Date: [blank] Time: [blank]

20200501 8/25/21 Revision



# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-128883-1

**Login Number: 128883**

**List Source: Eurofins Calscience**

**List Number: 1**

**Creator: Patel, Jayesh**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

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

Generated 4/4/2023 1:26:28 PM

**JOB DESCRIPTION**

P66 Renton Terminal AOC 5228 / 12605516

**JOB NUMBER**

570-132444-1

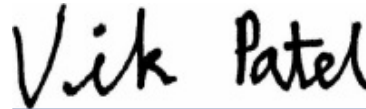
## Job Notes

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

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

## Authorization



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4/4/2023 1:26:28 PM

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



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# Definitions/Glossary

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

Job ID: 570-132444-1

## Glossary

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

# Case Narrative

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

Job ID: 570-132444-1

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## Job ID: 570-132444-1

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### Laboratory: Eurofins Calscience

#### Narrative

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#### Job Narrative 570-132444-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/24/2023 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 was 22.0° C.

#### Air Toxics

Method TO-15: The following sample was diluted due to the nature of the sample matrix: A-032323-LP-INF (570-132444-1). 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.



# Detection Summary

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

Job ID: 570-132444-1

**Client Sample ID: A-032323-LP-INF**

**Lab Sample ID: 570-132444-1**

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		5.0	ppb v/v	10		TO-15	Total/NA
Ethylbenzene	41		5.0	ppb v/v	10		TO-15	Total/NA
o-Xylene	100		5.0	ppb v/v	10		TO-15	Total/NA
m,p-Xylene	240		20	ppb v/v	10		TO-15	Total/NA
Toluene	220		5.0	ppb v/v	10		TO-15	Total/NA
Xylenes, Total	340		25	ppb v/v	10		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	42		1.0	ppm v/v	1		TO3	Total/NA

**Client Sample ID: A-032323-LP-EFF**

**Lab Sample ID: 570-132444-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience





# Client Sample Results

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

Job ID: 570-132444-1

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

**Client Sample ID: A-032323-LP-INF**

**Date Collected: 03/23/23 11:45**

**Date Received: 03/24/23 10:00**

**Sample Container: Summa Canister 1L**

**Lab Sample ID: 570-132444-1**

**Matrix: Air**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	160		5.0	ppb v/v			03/28/23 06:09	10
Ethylbenzene	41		5.0	ppb v/v			03/28/23 06:09	10
o-Xylene	100		5.0	ppb v/v			03/28/23 06:09	10
m,p-Xylene	240		20	ppb v/v			03/28/23 06:09	10
Toluene	220		5.0	ppb v/v			03/28/23 06:09	10
Xylenes, Total	340		25	ppb v/v			03/28/23 06:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 132		03/28/23 06:09	10
4-Bromofluorobenzene (Surr)	99		70 - 130		03/28/23 06:09	10
Toluene-d8 (Surr)	93		70 - 130		03/28/23 06:09	10

**Client Sample ID: A-032323-LP-EFF**

**Date Collected: 03/23/23 12:00**

**Date Received: 03/24/23 10:00**

**Sample Container: Summa Canister 1L**

**Lab Sample ID: 570-132444-2**

**Matrix: Air**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			03/28/23 04:25	1
Ethylbenzene	ND		0.50	ppb v/v			03/28/23 04:25	1
o-Xylene	ND		0.50	ppb v/v			03/28/23 04:25	1
m,p-Xylene	ND		2.0	ppb v/v			03/28/23 04:25	1
Toluene	ND		0.50	ppb v/v			03/28/23 04:25	1
Xylenes, Total	ND		2.5	ppb v/v			03/28/23 04:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		66 - 132		03/28/23 04:25	1
4-Bromofluorobenzene (Surr)	101		70 - 130		03/28/23 04:25	1
Toluene-d8 (Surr)	107		70 - 130		03/28/23 04:25	1

# Client Sample Results

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

Job ID: 570-132444-1

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

Client Sample ID: A-032323-LP-INF

Date Collected: 03/23/23 11:45

Date Received: 03/24/23 10:00

Sample Container: Summa Canister 1L

Lab Sample ID: 570-132444-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	42		1.0	ppm v/v			03/27/23 12:23	1

Client Sample ID: A-032323-LP-EFF

Date Collected: 03/23/23 12:00

Date Received: 03/24/23 10:00

Sample Container: Summa Canister 1L

Lab Sample ID: 570-132444-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			03/27/23 11:54	1

# Surrogate Summary

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

Job ID: 570-132444-1

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

Matrix: Air

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL
		(66-132)	(70-130)	(70-130)
570-132444-1	A-032323-LP-INF	98	99	93
570-132444-2	A-032323-LP-EFF	93	101	107
LCS 570-314999/3	Lab Control Sample	87	95	103
LCSD 570-314999/4	Lab Control Sample Dup	88	99	105
MB 570-314999/6	Method Blank	90	97	94

### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

# QC Sample Results

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

Job ID: 570-132444-1

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

**Lab Sample ID: MB 570-314999/6**  
**Matrix: Air**  
**Analysis Batch: 314999**

**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			03/27/23 18:20	1
Ethylbenzene	ND		0.50	ppb v/v			03/27/23 18:20	1
o-Xylene	ND		0.50	ppb v/v			03/27/23 18:20	1
m,p-Xylene	ND		2.0	ppb v/v			03/27/23 18:20	1
Toluene	ND		0.50	ppb v/v			03/27/23 18:20	1
Xylenes, Total	ND		2.5	ppb v/v			03/27/23 18:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		66 - 132		03/27/23 18:20	1
4-Bromofluorobenzene (Surr)	97		70 - 130		03/27/23 18:20	1
Toluene-d8 (Surr)	94		70 - 130		03/27/23 18:20	1

**Lab Sample ID: LCS 570-314999/3**  
**Matrix: Air**  
**Analysis Batch: 314999**

**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	26.34		ppb v/v		105	68 - 134
Ethylbenzene	25.0	24.22		ppb v/v		97	70 - 130
o-Xylene	25.0	23.21		ppb v/v		93	68 - 130
m,p-Xylene	50.0	46.22		ppb v/v		92	70 - 130
Toluene	25.0	24.72		ppb v/v		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		66 - 132
4-Bromofluorobenzene (Surr)	95		70 - 130
Toluene-d8 (Surr)	103		70 - 130

**Lab Sample ID: LCSD 570-314999/4**  
**Matrix: Air**  
**Analysis Batch: 314999**

**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	24.86		ppb v/v		99	68 - 134	6	25
Ethylbenzene	25.0	23.85		ppb v/v		95	70 - 130	2	25
o-Xylene	25.0	23.05		ppb v/v		92	68 - 130	1	25
m,p-Xylene	50.0	46.16		ppb v/v		92	70 - 130	0	25
Toluene	25.0	24.27		ppb v/v		97	70 - 130	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		66 - 132
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	105		70 - 130

# QC Sample Results

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

Job ID: 570-132444-1

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

**Lab Sample ID: MB 570-314721/4**  
**Matrix: Air**  
**Analysis Batch: 314721**

**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			03/27/23 11:31	1

**Lab Sample ID: LCS 570-314721/3**  
**Matrix: Air**  
**Analysis Batch: 314721**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C6-C12)	100	90.59		ppm v/v		91	80 - 120

**Lab Sample ID: 570-132444-1 DU**  
**Matrix: Air**  
**Analysis Batch: 314721**

**Client Sample ID: A-032323-LP-INF**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline Range Organics (C6-C12)	42		41.97		ppm v/v		0.7	20

# QC Association Summary

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

Job ID: 570-132444-1

## Air - GC/MS VOA

### Analysis Batch: 314999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132444-1	A-032323-LP-INF	Total/NA	Air	TO-15	
570-132444-2	A-032323-LP-EFF	Total/NA	Air	TO-15	
MB 570-314999/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-314999/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-314999/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

## Air - GC VOA

### Analysis Batch: 314721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132444-1	A-032323-LP-INF	Total/NA	Air	TO3	
570-132444-2	A-032323-LP-EFF	Total/NA	Air	TO3	
MB 570-314721/4	Method Blank	Total/NA	Air	TO3	
LCS 570-314721/3	Lab Control Sample	Total/NA	Air	TO3	
570-132444-1 DU	A-032323-LP-INF	Total/NA	Air	TO3	

# Lab Chronicle

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

Job ID: 570-132444-1

**Client Sample ID: A-032323-LP-INF**

**Lab Sample ID: 570-132444-1**

**Date Collected: 03/23/23 11:45**

**Matrix: Air**

**Date Received: 03/24/23 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		10	250 mL	250 mL	314999	03/28/23 06:09	DU6U	EET CAL 4
Instrument ID: GCMSZZ										
Total/NA	Analysis	TO3		1	10 mL	10 mL	314721	03/27/23 12:23	I9H5	EET CAL 4
Instrument ID: GC71										

**Client Sample ID: A-032323-LP-EFF**

**Lab Sample ID: 570-132444-2**

**Date Collected: 03/23/23 12:00**

**Matrix: Air**

**Date Received: 03/24/23 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	314999	03/28/23 04:25	DU6U	EET CAL 4
Instrument ID: GCMSZZ										
Total/NA	Analysis	TO3		1	10 mL	10 mL	314721	03/27/23 11:54	I9H5	EET CAL 4
Instrument ID: GC71										

**Laboratory References:**

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



# Accreditation/Certification Summary

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

Job ID: 570-132444-1

## Laboratory: Eurofins Calscience

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

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

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

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





# Method Summary

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

Job ID: 570-132444-1

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

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

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

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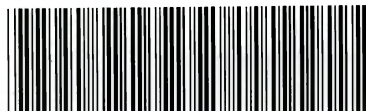
# Sample Summary

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

Job ID: 570-132444-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-132444-1	A-032323-LP-INF	Air	03/23/23 11:45	03/24/23 10:00	Air Canister (1-Liter) #LC543
570-132444-2	A-032323-LP-EFF	Air	03/23/23 12:00	03/24/23 10:00	Air Canister (1-Liter) #LC002

- 1
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570-132444 Chain of Custody

Loc: 570  
132444

CHAIN OF CUSTODY RECORD

DATE: 03/23/23  
PAGE: 1 OF 1

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494  
For courier service / sample drop off information, contact us26\_sales@eurofinsus.com or call us.

LABORATORY CLIENT: GHD Services Inc.						CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464						P.O. NO.: 11226464-2021-04											
ADDRESS: 9725 3rd Avenue NE Ste 204						PROJECT CONTACT: Fabio Minervini 949-648-5270 Rose Bier 305-903-4318						SAMPLER(S): (PRINT) Luca Piscitello											
CITY: Seattle		STATE: WA		ZIP: 98115		REQUESTED ANALYSES																	
TEL: 305-903-4318		E-MAIL: <a href="mailto:rosemary.bier@ghd.com">rosemary.bier@ghd.com</a>				Please check box or fill in blank as needed.																	
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD																							
<input type="checkbox"/> COELT EDF		GLOBAL ID:				LOG CODE:																	
SPECIAL INSTRUCTIONS:  CC results to fabio.minervini@ghd.com						Unpreserved	Preserved	Field Filtered															
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered															
		DATE	TIME																				
1	A-032323-LP-INF	03/23/23	1145	A	1				LC543														
2	A-032323-LP-EFF	↓	1200	A	1				LC002														
Relinquished by: (Signature) <i>Luca Piscitello GHD</i>						Received by: (Signature/Affiliation) <i>[Signature]</i>						Date:		Time:									
Relinquished by: (Signature)						Received by: (Signature/Affiliation)						Date:		Time:									
Relinquished by: (Signature)						Received by: (Signature/Affiliation) <i>[Signature]</i>						Date: 3/24/23		Time: 10:00									

# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-132444-1

**Login Number: 132444**

**List Number: 1**

**Creator: Patel, Vikas**

**List Source: Eurofins Calscience**

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



## Summa Canister Dilution Worksheet

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

Job No.: 570-132444-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Final Gauge ID	Date	Time	Analyst Initials
570-132444-1	1	-29.5	-5.5	0.82	0.82	-2.70135	0.82	0.82		1.00	1.00	AIR MG-7	03/26/23	12:15	UHO
570-132444-2	1	-29.5	-7.0	0.77	0.77	-3.43808	0.77	0.77		1.00	1.00	AIR MG-7	03/26/23	12:15	UHO

**Formulae:**

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

**Where:**

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





# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 4/6/2023 10:54:36 AM

## JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12605516

## JOB NUMBER

570-132447-1

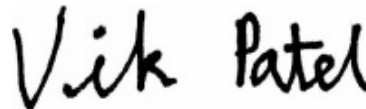
## Job Notes

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

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

## Authorization



Generated  
4/6/2023 10:54:36 AM

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



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# Definitions/Glossary

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

Job ID: 570-132447-1

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

## Glossary

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

# Case Narrative

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

Job ID: 570-132447-1

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## Job ID: 570-132447-1

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### Laboratory: Eurofins Calscience

#### Narrative

#### Job Narrative 570-132447-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/24/2023 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 was 2.8° C.

#### GC/MS VOA

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: GW-032323-LP-MID 1 (570-132447-2). Elevated reporting limits (RLs) are provided.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-314804. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-314904. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

#### GC VOA

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

#### GC Semi VOA

Method NWTPH-Dx: The method blank for preparation batch 570-316295 contained C6-C24 above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method NWTPH-Dx: The method blank for preparation batch 570-316295 and analytical batch 570-317034 contained TPH as Diesel Range above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

#### Organic Prep

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

#### VOA Prep

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

# Detection Summary

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

Job ID: 570-132447-1

## Client Sample ID: GW-032323-LP-INF 1

## Lab Sample ID: 570-132447-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2100		50	ug/L	100		8260C	Total/NA
Toluene	1300		100	ug/L	100		8260C	Total/NA
o-Xylene	780		100	ug/L	100		8260C	Total/NA
m,p-Xylene	4900		200	ug/L	100		8260C	Total/NA
Ethylbenzene	470		100	ug/L	100		8260C	Total/NA
Xylenes, Total	5700		200	ug/L	100		8260C	Total/NA
TPH as Gasoline (C4-C13)	18000		1000	ug/L	10		NWTPH-Gx	Total/NA
TPH as Diesel Range	6.1	B	0.095	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

## Client Sample ID: GW-032323-LP-MID 1

## Lab Sample ID: 570-132447-2

No Detections.

## Client Sample ID: GW-032323-LP-MID 2

## Lab Sample ID: 570-132447-3

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

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

# Client Sample Results

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

Job ID: 570-132447-1

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

**Client Sample ID: GW-032323-LP-INF 1**

**Date Collected: 03/23/23 11:30**

**Date Received: 03/24/23 10:00**

**Lab Sample ID: 570-132447-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2100		50	ug/L			03/26/23 18:25	100
Toluene	1300		100	ug/L			03/26/23 18:25	100
o-Xylene	780		100	ug/L			03/26/23 18:25	100
m,p-Xylene	4900		200	ug/L			03/26/23 18:25	100
Ethylbenzene	470		100	ug/L			03/26/23 18:25	100
Xylenes, Total	5700		200	ug/L			03/26/23 18:25	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		70 - 123		03/26/23 18:25	100
4-Bromofluorobenzene (Surr)	101		80 - 120		03/26/23 18:25	100
Dibromofluoromethane (Surr)	107		78 - 120		03/26/23 18:25	100
Toluene-d8 (Surr)	100		80 - 120		03/26/23 18:25	100

**Client Sample ID: GW-032323-LP-MID 1**

**Date Collected: 03/23/23 11:15**

**Date Received: 03/24/23 10:00**

**Lab Sample ID: 570-132447-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			03/26/23 18:46	2
Toluene	ND		2.0	ug/L			03/26/23 18:46	2
o-Xylene	ND		2.0	ug/L			03/26/23 18:46	2
m,p-Xylene	ND		4.0	ug/L			03/26/23 18:46	2
Ethylbenzene	ND		2.0	ug/L			03/26/23 18:46	2
Xylenes, Total	ND		4.0	ug/L			03/26/23 18:46	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		70 - 123		03/26/23 18:46	2
4-Bromofluorobenzene (Surr)	96		80 - 120		03/26/23 18:46	2
Dibromofluoromethane (Surr)	107		78 - 120		03/26/23 18:46	2
Toluene-d8 (Surr)	101		80 - 120		03/26/23 18:46	2

**Client Sample ID: GW-032323-LP-MID 2**

**Date Collected: 03/23/23 11:00**

**Date Received: 03/24/23 10:00**

**Lab Sample ID: 570-132447-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.6		0.50	ug/L			03/27/23 15:56	1
Toluene	ND		1.0	ug/L			03/27/23 15:56	1
o-Xylene	ND		1.0	ug/L			03/27/23 15:56	1
m,p-Xylene	ND		2.0	ug/L			03/27/23 15:56	1
Ethylbenzene	ND		1.0	ug/L			03/27/23 15:56	1
Xylenes, Total	ND		2.0	ug/L			03/27/23 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 123		03/27/23 15:56	1
4-Bromofluorobenzene (Surr)	95		80 - 120		03/27/23 15:56	1
Dibromofluoromethane (Surr)	90		78 - 120		03/27/23 15:56	1
Toluene-d8 (Surr)	100		80 - 120		03/27/23 15:56	1

# Client Sample Results

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

Job ID: 570-132447-1

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

**Client Sample ID: GW-032323-LP-INF 1**

**Date Collected: 03/23/23 11:30**

**Date Received: 03/24/23 10:00**

**Lab Sample ID: 570-132447-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	18000		1000	ug/L			03/27/23 16:46	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150				03/27/23 16:46	10

**Client Sample ID: GW-032323-LP-MID 1**

**Date Collected: 03/23/23 11:15**

**Date Received: 03/24/23 10:00**

**Lab Sample ID: 570-132447-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			03/27/23 18:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		50 - 150				03/27/23 18:19	1

**Client Sample ID: GW-032323-LP-MID 2**

**Date Collected: 03/23/23 11:00**

**Date Received: 03/24/23 10:00**

**Lab Sample ID: 570-132447-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			03/27/23 16:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150				03/27/23 16:22	1

# Client Sample Results

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

Job ID: 570-132447-1

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

**Client Sample ID: GW-032323-LP-INF 1**

**Date Collected: 03/23/23 11:30**

**Date Received: 03/24/23 10:00**

**Lab Sample ID: 570-132447-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	6.1	B	0.095	mg/L		03/30/23 19:07	04/03/23 21:47	1
TPH as Motor Oil Range	ND		0.095	mg/L		03/30/23 19:07	04/03/23 21:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	125		50 - 150			03/30/23 19:07	04/03/23 21:47	1

**Client Sample ID: GW-032323-LP-MID 1**

**Date Collected: 03/23/23 11:15**

**Date Received: 03/24/23 10:00**

**Lab Sample ID: 570-132447-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.095	mg/L		03/30/23 19:07	04/03/23 22:51	1
TPH as Motor Oil Range	ND		0.095	mg/L		03/30/23 19:07	04/03/23 22:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	105		50 - 150			03/30/23 19:07	04/03/23 22:51	1

**Client Sample ID: GW-032323-LP-MID 2**

**Date Collected: 03/23/23 11:00**

**Date Received: 03/24/23 10:00**

**Lab Sample ID: 570-132447-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.094	mg/L		03/30/23 19:07	04/03/23 23:12	1
TPH as Motor Oil Range	ND		0.094	mg/L		03/30/23 19:07	04/03/23 23:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	109		50 - 150			03/30/23 19:07	04/03/23 23:12	1

# Surrogate Summary

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

Job ID: 570-132447-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-132447-1	GW-032323-LP-INF 1	115	101	107	100
570-132447-2	GW-032323-LP-MID 1	115	96	107	101
570-132447-3	GW-032323-LP-MID 2	88	95	90	100
LCS 570-314804/4	Lab Control Sample	106	102	100	99
LCS 570-314904/3	Lab Control Sample	90	95	90	96
LCSD 570-314804/5	Lab Control Sample Dup	104	102	98	100
LCSD 570-314904/4	Lab Control Sample Dup	91	95	92	96
MB 570-314804/8	Method Blank	111	96	104	99
MB 570-314904/6	Method Blank	87	96	90	99

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-132447-1	GW-032323-LP-INF 1	97
570-132447-2	GW-032323-LP-MID 1	76
570-132447-2 MS	GW-032323-LP-MID 1	89
570-132447-2 MSD	GW-032323-LP-MID 1	91
570-132447-3	GW-032323-LP-MID 2	87
LCS 570-314934/3	Lab Control Sample	82
LCSD 570-314934/4	Lab Control Sample Dup	84
MB 570-314934/5	Method Blank	78

**Surrogate Legend**  
BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Silica Gel Cleanup

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTCSN (50-150)
570-132447-1	GW-032323-LP-INF 1	125
570-132447-2	GW-032323-LP-MID 1	105
570-132447-3	GW-032323-LP-MID 2	109
LCS 570-316295/2-A	Lab Control Sample	96
LCSD 570-316295/3-A	Lab Control Sample Dup	100
MB 570-316295/1-A	Method Blank	98

**Surrogate Legend**  
OTCSN = n-Octacosane (Surr)

# QC Sample Results

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

Job ID: 570-132447-1

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

**Lab Sample ID: MB 570-314804/8**  
**Matrix: Water**  
**Analysis Batch: 314804**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			03/26/23 12:17	1
Toluene	ND		1.0	ug/L			03/26/23 12:17	1
o-Xylene	ND		1.0	ug/L			03/26/23 12:17	1
m,p-Xylene	ND		2.0	ug/L			03/26/23 12:17	1
Ethylbenzene	ND		1.0	ug/L			03/26/23 12:17	1
Xylenes, Total	ND		2.0	ug/L			03/26/23 12:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 123		03/26/23 12:17	1
4-Bromofluorobenzene (Surr)	96		80 - 120		03/26/23 12:17	1
Dibromofluoromethane (Surr)	104		78 - 120		03/26/23 12:17	1
Toluene-d8 (Surr)	99		80 - 120		03/26/23 12:17	1

**Lab Sample ID: LCS 570-314804/4**  
**Matrix: Water**  
**Analysis Batch: 314804**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	20.50		ug/L		103	80 - 121
Toluene	20.0	20.36		ug/L		102	80 - 120
o-Xylene	20.0	20.12		ug/L		101	80 - 122
m,p-Xylene	40.0	42.26		ug/L		106	80 - 123
Ethylbenzene	20.0	20.34		ug/L		102	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 123
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	100		78 - 120
Toluene-d8 (Surr)	99		80 - 120

**Lab Sample ID: LCSD 570-314804/5**  
**Matrix: Water**  
**Analysis Batch: 314804**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	20.83		ug/L		104	80 - 121	2	20
Toluene	20.0	20.68		ug/L		103	80 - 120	2	20
o-Xylene	20.0	20.52		ug/L		103	80 - 122	2	20
m,p-Xylene	40.0	42.75		ug/L		107	80 - 123	1	20
Ethylbenzene	20.0	20.45		ug/L		102	80 - 121	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 123
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	98		78 - 120
Toluene-d8 (Surr)	100		80 - 120



# QC Sample Results

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

Job ID: 570-132447-1

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

**Lab Sample ID: MB 570-314904/6**  
**Matrix: Water**  
**Analysis Batch: 314904**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			03/27/23 11:50	1
Toluene	ND		1.0	ug/L			03/27/23 11:50	1
o-Xylene	ND		1.0	ug/L			03/27/23 11:50	1
m,p-Xylene	ND		2.0	ug/L			03/27/23 11:50	1
Ethylbenzene	ND		1.0	ug/L			03/27/23 11:50	1
Xylenes, Total	ND		2.0	ug/L			03/27/23 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 123		03/27/23 11:50	1
4-Bromofluorobenzene (Surr)	96		80 - 120		03/27/23 11:50	1
Dibromofluoromethane (Surr)	90		78 - 120		03/27/23 11:50	1
Toluene-d8 (Surr)	99		80 - 120		03/27/23 11:50	1

**Lab Sample ID: LCS 570-314904/3**  
**Matrix: Water**  
**Analysis Batch: 314904**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	19.70		ug/L		99	80 - 121
Toluene	20.0	20.40		ug/L		102	80 - 120
o-Xylene	20.0	21.17		ug/L		106	80 - 122
m,p-Xylene	40.0	42.12		ug/L		105	80 - 123
Ethylbenzene	20.0	21.24		ug/L		106	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 123
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	90		78 - 120
Toluene-d8 (Surr)	96		80 - 120

**Lab Sample ID: LCSD 570-314904/4**  
**Matrix: Water**  
**Analysis Batch: 314904**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	20.18		ug/L		101	80 - 121	2	20
Toluene	20.0	20.93		ug/L		105	80 - 120	3	20
o-Xylene	20.0	21.36		ug/L		107	80 - 122	1	20
m,p-Xylene	40.0	42.38		ug/L		106	80 - 123	1	20
Ethylbenzene	20.0	21.69		ug/L		108	80 - 121	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 123
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	92		78 - 120
Toluene-d8 (Surr)	96		80 - 120

# QC Sample Results

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

Job ID: 570-132447-1

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

**Lab Sample ID: MB 570-314934/5**  
**Matrix: Water**  
**Analysis Batch: 314934**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			03/27/23 11:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		50 - 150				03/27/23 11:56	1

**Lab Sample ID: LCS 570-314934/3**  
**Matrix: Water**  
**Analysis Batch: 314934**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1920	1800		ug/L		94	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	82		50 - 150				

**Lab Sample ID: LCSD 570-314934/4**  
**Matrix: Water**  
**Analysis Batch: 314934**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1920	1889		ug/L		98	76 - 128	5	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	84		50 - 150						

**Lab Sample ID: 570-132447-2 MS**  
**Matrix: Water**  
**Analysis Batch: 314934**

**Client Sample ID: GW-032323-LP-MID 1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	ND		1920	1719		ug/L		89	69 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		50 - 150						

**Lab Sample ID: 570-132447-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 314934**

**Client Sample ID: GW-032323-LP-MID 1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		1920	1780		ug/L		93	69 - 132	3	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		50 - 150								

# QC Sample Results

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

Job ID: 570-132447-1

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

**Lab Sample ID: MB 570-316295/1-A**  
**Matrix: Water**  
**Analysis Batch: 317034**

**Client Sample ID: Method Blank**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 316295**

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
TPH as Diesel Range	0.5489		0.10	mg/L		03/30/23 19:07	04/03/23 20:43	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/30/23 19:07	04/03/23 20:43	1
Surrogate		MB MB	Limits			Prepared	Analyzed	Dil Fac
		%Recovery		Qualifier				
n-Octacosane (Surr)		98		50 - 150		03/30/23 19:07	04/03/23 20:43	1

**Lab Sample ID: LCS 570-316295/2-A**  
**Matrix: Water**  
**Analysis Batch: 317034**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 316295**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Surrogate		LCS LCS	Limits				
		%Recovery		Qualifier			
n-Octacosane (Surr)		96		50 - 150			

**Lab Sample ID: LCSD 570-316295/3-A**  
**Matrix: Water**  
**Analysis Batch: 317034**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 316295**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
C10-C28	4.00	4.009		mg/L		100	68 - 120	7	20
Surrogate		LCSD LCSD	Limits						
		%Recovery		Qualifier					
n-Octacosane (Surr)		100		50 - 150					

# QC Association Summary

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

Job ID: 570-132447-1

## GC/MS VOA

### Analysis Batch: 314804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132447-1	GW-032323-LP-INF 1	Total/NA	Water	8260C	
570-132447-2	GW-032323-LP-MID 1	Total/NA	Water	8260C	
MB 570-314804/8	Method Blank	Total/NA	Water	8260C	
LCS 570-314804/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-314804/5	Lab Control Sample Dup	Total/NA	Water	8260C	

### Analysis Batch: 314904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132447-3	GW-032323-LP-MID 2	Total/NA	Water	8260C	
MB 570-314904/6	Method Blank	Total/NA	Water	8260C	
LCS 570-314904/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-314904/4	Lab Control Sample Dup	Total/NA	Water	8260C	

## GC VOA

### Analysis Batch: 314934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132447-1	GW-032323-LP-INF 1	Total/NA	Water	NWTPH-Gx	
570-132447-2	GW-032323-LP-MID 1	Total/NA	Water	NWTPH-Gx	
570-132447-3	GW-032323-LP-MID 2	Total/NA	Water	NWTPH-Gx	
MB 570-314934/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-314934/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-314934/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-132447-2 MS	GW-032323-LP-MID 1	Total/NA	Water	NWTPH-Gx	
570-132447-2 MSD	GW-032323-LP-MID 1	Total/NA	Water	NWTPH-Gx	

## GC Semi VOA

### Prep Batch: 316295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132447-1	GW-032323-LP-INF 1	Silica Gel Cleanup	Water	3510C SGC	
570-132447-2	GW-032323-LP-MID 1	Silica Gel Cleanup	Water	3510C SGC	
570-132447-3	GW-032323-LP-MID 2	Silica Gel Cleanup	Water	3510C SGC	
MB 570-316295/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-316295/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-316295/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 317034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132447-1	GW-032323-LP-INF 1	Silica Gel Cleanup	Water	NWTPH-Dx	316295
570-132447-2	GW-032323-LP-MID 1	Silica Gel Cleanup	Water	NWTPH-Dx	316295
570-132447-3	GW-032323-LP-MID 2	Silica Gel Cleanup	Water	NWTPH-Dx	316295
MB 570-316295/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	316295
LCS 570-316295/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	316295
LCSD 570-316295/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	316295

# Lab Chronicle

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

Job ID: 570-132447-1

## Client Sample ID: GW-032323-LP-INF 1

## Lab Sample ID: 570-132447-1

Date Collected: 03/23/23 11:30

Matrix: Water

Date Received: 03/24/23 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	8260C		100	5 mL	5 mL	314804	03/26/23 18:25	B7TT	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	314934	03/27/23 16:46	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			264.2 mL	2.5 mL	316295	03/30/23 19:07	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	317034	04/03/23 21:47	A1W	EET CAL 4
Instrument ID: GC48										

## Client Sample ID: GW-032323-LP-MID 1

## Lab Sample ID: 570-132447-2

Date Collected: 03/23/23 11:15

Matrix: Water

Date Received: 03/24/23 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	8260C		2	5 mL	5 mL	314804	03/26/23 18:46	B7TT	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	314934	03/27/23 18:19	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			263.7 mL	2.5 mL	316295	03/30/23 19:07	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	317034	04/03/23 22:51	A1W	EET CAL 4
Instrument ID: GC48										

## Client Sample ID: GW-032323-LP-MID 2

## Lab Sample ID: 570-132447-3

Date Collected: 03/23/23 11:00

Matrix: Water

Date Received: 03/24/23 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	8260C		1	5 mL	5 mL	314904	03/27/23 15:56	A1W	EET CAL 4
Instrument ID: GCMSOO										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	314934	03/27/23 16:22	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			265.8 mL	2.5 mL	316295	03/30/23 19:07	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	317034	04/03/23 23:12	A1W	EET CAL 4
Instrument ID: GC48										

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 570-132447-1

## Laboratory: Eurofins Calscience

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

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

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# Method Summary

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

Job ID: 570-132447-1

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

#### Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

#### Laboratory References:

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



# Sample Summary

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

Job ID: 570-132447-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-132447-1	GW-032323-LP-INF 1	Water	03/23/23 11:30	03/24/23 10:00
570-132447-2	GW-032323-LP-MID 1	Water	03/23/23 11:15	03/24/23 10:00
570-132447-3	GW-032323-LP-MID 2	Water	03/23/23 11:00	03/24/23 10:00

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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.

DATE: 03/23/23  
PAGE: 1 OF 1

LABORATORY CLIENT: GHD Services Inc.		CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 12572873	P.O. NO.: 12572873-2021-04
ADDRESS: 9725 3rd Avenue NE Ste 204		PROJECT CONTACT: Fabio Minervini 949-648-5270 Rose Bier 206-802-1595	SAMPLER(S): (PRINT) Luca Piscitello
CITY: Seattle	STATE: WA	ZIP: 98115	

TEL: 206-802-1595	E-MAIL: <a href="mailto:rosemary.bier@ghd.com">rosemary.bier@ghd.com</a>	<b>REQUESTED ANALYSES</b>	
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TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY
  24 HR
  48 HR
  72 HR
  5 DAYS
  STANDARD

COELT EDF
 GLOBAL ID: \_\_\_\_\_ LOG CODE: \_\_\_\_\_

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

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	DRO/ORO (NWTPH-DX)	GRO (NWTPH-Gx)	BTEX (8260)	Oil and Grease (1664)								
		DATE	TIME																	
1	GW-032323-LP-INF 1	03/23/23	1130	GW	8		X		X	X	X									
2	GW- ↓ -LP-MID 1	↓	1115	GW	8		X		X	X	X									
3	GW- ↓ -LP-MID 2	↓	1100	GW	8		X		X	X	X									



Relinquished by: (Signature) <i>Luca Piscitello</i> 614D 1320	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation) <i>(Fedex) Pr...</i>	Date: <i>3/24/23</i>	Time: <i>10:00</i>

# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-132447-1

**Login Number: 132447**

**List Source: Eurofins Calscience**

**List Number: 1**

**Creator: Patel, Vikas**

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





# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 4/6/2023 11:05:13 AM

## JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12605516

## JOB NUMBER

570-132445-1

# Eurofins Calscience

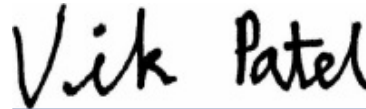
## Job Notes

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

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

## Authorization



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# Definitions/Glossary

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

Job ID: 570-132445-1

## Glossary

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

# Case Narrative

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

Job ID: 570-132445-1

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## Job ID: 570-132445-1

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### Laboratory: Eurofins Calscience

#### Narrative

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#### Job Narrative 570-132445-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/24/2023 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 was 2.8° C.

#### GC/MS VOA

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

#### GC VOA

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

#### GC Semi VOA

Method NWTPH-Dx: The method blank for preparation batch 570-316295 contained C6-C24 above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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

#### Metals

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

#### Organic Prep

Method 1664A: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-315295. Method: 1664.

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

#### VOA Prep

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

# Detection Summary

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

Job ID: 570-132445-1

**Client Sample ID: GW-032303-LP-EFF**

**Lab Sample ID: 570-132445-1**

No Detections.

**Client Sample ID: COMPOSITE (GW-032303-LP-EFF 1,2,3,4)**

**Lab Sample ID: 570-132445-9**

No Detections.

**Client Sample ID: COMPOSITE (GW-032303-LP-EFF 5,6,7)**

**Lab Sample ID: 570-132445-10**

No Detections.

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This Detection Summary does not include radiochemical test results.

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# Client Sample Results

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

Job ID: 570-132445-1

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

**Client Sample ID: COMPOSITE (GW-032303-LP-EFF 1,2,3,4)**

**Lab Sample ID: 570-132445-9**

**Date Collected: 03/23/23 00:00**

**Matrix: Water**

**Date Received: 03/24/23 10:00**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			04/03/23 17:36	1
Toluene	ND		1.0	ug/L			04/03/23 17:36	1
o-Xylene	ND		1.0	ug/L			04/03/23 17:36	1
m,p-Xylene	ND		2.0	ug/L			04/03/23 17:36	1
Ethylbenzene	ND		1.0	ug/L			04/03/23 17:36	1
Xylenes, Total	ND		2.0	ug/L			04/03/23 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 123		04/03/23 17:36	1
4-Bromofluorobenzene (Surr)	98		80 - 120		04/03/23 17:36	1
Dibromofluoromethane (Surr)	103		78 - 120		04/03/23 17:36	1
Toluene-d8 (Surr)	101		80 - 120		04/03/23 17:36	1

# Client Sample Results

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

Job ID: 570-132445-1

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

**Client Sample ID: COMPOSITE (GW-032303-LP-EFF 1,2,3,4)**  
**Date Collected: 03/23/23 00:00**  
**Date Received: 03/24/23 10:00**

**Lab Sample ID: 570-132445-9**  
**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		03/28/23 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		50 - 150		03/28/23 19:16	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Client Sample Results

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

Job ID: 570-132445-1

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

**Client Sample ID: GW-032303-LP-EFF**

**Lab Sample ID: 570-132445-1**

**Date Collected: 03/23/23 10:00**

**Matrix: Water**

**Date Received: 03/24/23 10:00**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.096	mg/L		03/30/23 19:07	04/03/23 23:33	1
TPH as Motor Oil Range	ND		0.096	mg/L		03/30/23 19:07	04/03/23 23:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	104		50 - 150			03/30/23 19:07	04/03/23 23:33	1

# Client Sample Results

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

Job ID: 570-132445-1

## General Chemistry

Client Sample ID: COMPOSITE (GW-032303-LP-EFF 5,6,7)

Date Collected: 03/23/23 00:00

Date Received: 03/24/23 10:00

Lab Sample ID: 570-132445-10

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (40CFR136A 1664A)	ND		1.00	mg/L		03/28/23 08:45	03/30/23 08:49	1

1

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# Surrogate Summary

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

Job ID: 570-132445-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-132445-9	COMPOSITE (GW-032303-LP-E	108	98	103	101
LCS 570-316996/4	Lab Control Sample	107	103	103	102
LCSD 570-316996/5	Lab Control Sample Dup	103	101	104	103
MB 570-316996/8	Method Blank	106	100	103	100

#### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (50-150)
570-132445-9	COMPOSITE (GW-032303-LP-E	84
LCS 570-315313/3	Lab Control Sample	85
LCSD 570-315313/4	Lab Control Sample Dup	86
MB 570-315313/5	Method Blank	77

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Silica Gel Cleanup

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN (50-150)
570-132445-1	GW-032303-LP-EFF	104
LCS 570-316295/2-A	Lab Control Sample	96
LCSD 570-316295/3-A	Lab Control Sample Dup	100
MB 570-316295/1-A	Method Blank	98

#### Surrogate Legend

OTCSN = n-Octacosane (Surr)

# QC Sample Results

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

Job ID: 570-132445-1

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

**Lab Sample ID: MB 570-316996/8**  
**Matrix: Water**  
**Analysis Batch: 316996**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			04/03/23 16:07	1
Toluene	ND		1.0	ug/L			04/03/23 16:07	1
o-Xylene	ND		1.0	ug/L			04/03/23 16:07	1
m,p-Xylene	ND		2.0	ug/L			04/03/23 16:07	1
Ethylbenzene	ND		1.0	ug/L			04/03/23 16:07	1
Xylenes, Total	ND		2.0	ug/L			04/03/23 16:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 123		04/03/23 16:07	1
4-Bromofluorobenzene (Surr)	100		80 - 120		04/03/23 16:07	1
Dibromofluoromethane (Surr)	103		78 - 120		04/03/23 16:07	1
Toluene-d8 (Surr)	100		80 - 120		04/03/23 16:07	1

**Lab Sample ID: LCS 570-316996/4**  
**Matrix: Water**  
**Analysis Batch: 316996**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	20.63		ug/L		103	80 - 121
Toluene	20.0	20.56		ug/L		103	80 - 120
o-Xylene	20.0	20.71		ug/L		104	80 - 122
m,p-Xylene	40.0	41.47		ug/L		104	80 - 123
Ethylbenzene	20.0	20.99		ug/L		105	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 123
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	103		78 - 120
Toluene-d8 (Surr)	102		80 - 120

**Lab Sample ID: LCSD 570-316996/5**  
**Matrix: Water**  
**Analysis Batch: 316996**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	19.46		ug/L		97	80 - 121	6	20
Toluene	20.0	20.14		ug/L		101	80 - 120	2	20
o-Xylene	20.0	19.62		ug/L		98	80 - 122	5	20
m,p-Xylene	40.0	39.23		ug/L		98	80 - 123	6	20
Ethylbenzene	20.0	20.56		ug/L		103	80 - 121	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 123
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	104		78 - 120
Toluene-d8 (Surr)	103		80 - 120

# QC Sample Results

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

Job ID: 570-132445-1

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

**Lab Sample ID: MB 570-315313/5**  
**Matrix: Water**  
**Analysis Batch: 315313**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			03/28/23 12:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		50 - 150				03/28/23 12:23	1

**Lab Sample ID: LCS 570-315313/3**  
**Matrix: Water**  
**Analysis Batch: 315313**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1920	1818		ug/L		95	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	85		50 - 150				

**Lab Sample ID: LCSD 570-315313/4**  
**Matrix: Water**  
**Analysis Batch: 315313**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1920	1901		ug/L		99	76 - 128	4	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	86		50 - 150						

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

**Lab Sample ID: MB 570-316295/1-A**  
**Matrix: Water**  
**Analysis Batch: 317034**

**Client Sample ID: Method Blank**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 316295**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.5489		0.10	mg/L		03/30/23 19:07	04/03/23 20:43	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/30/23 19:07	04/03/23 20:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	98		50 - 150			03/30/23 19:07	04/03/23 20:43	1

**Lab Sample ID: LCS 570-316295/2-A**  
**Matrix: Water**  
**Analysis Batch: 317034**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 316295**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	3.747		mg/L		94	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	96		50 - 150				

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# QC Sample Results

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

Job ID: 570-132445-1

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

**Lab Sample ID: LCSD 570-316295/3-A**  
**Matrix: Water**  
**Analysis Batch: 317034**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 316295**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	4.009		mg/L		100	68 - 120	7	20
<b>Surrogate</b>	<b>%Recovery</b>	<b>LCSD Qualifier</b>	<b>Limits</b>						
<i>n-Octacosane (Surr)</i>	100		50 - 150						

## Method: 1664A - Oil and Grease

**Lab Sample ID: MB 570-315295/1-A**  
**Matrix: Water**  
**Analysis Batch: 316033**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 315295**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		1.00	mg/L		03/28/23 08:45	03/30/23 08:49	1

**Lab Sample ID: LCS 570-315295/2-A**  
**Matrix: Water**  
**Analysis Batch: 316033**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 315295**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	38.40		mg/L		96	78 - 114

**Lab Sample ID: LCSD 570-315295/3-A**  
**Matrix: Water**  
**Analysis Batch: 316033**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 315295**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Oil & Grease	40.0	37.90		mg/L		95	78 - 114	1	18



# QC Association Summary

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

Job ID: 570-132445-1

## GC/MS VOA

### Analysis Batch: 316996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132445-9	COMPOSITE (GW-032303-LP-EFF 1,2,3,4)	Total/NA	Water	8260C	
MB 570-316996/8	Method Blank	Total/NA	Water	8260C	
LCS 570-316996/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-316996/5	Lab Control Sample Dup	Total/NA	Water	8260C	

## GC VOA

### Analysis Batch: 315313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132445-9	COMPOSITE (GW-032303-LP-EFF 1,2,3,4)	Total/NA	Water	NWTPH-Gx	
MB 570-315313/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-315313/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-315313/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

## GC Semi VOA

### Prep Batch: 316295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132445-1	GW-032303-LP-EFF	Silica Gel Cleanup	Water	3510C SGC	
MB 570-316295/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-316295/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-316295/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 317034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132445-1	GW-032303-LP-EFF	Silica Gel Cleanup	Water	NWTPH-Dx	316295
MB 570-316295/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	316295
LCS 570-316295/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	316295
LCSD 570-316295/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	316295

## General Chemistry

### Prep Batch: 315295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132445-10	COMPOSITE (GW-032303-LP-EFF 5,6,7)	Total/NA	Water	1664A	
MB 570-315295/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-315295/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-315295/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

### Analysis Batch: 316033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-132445-10	COMPOSITE (GW-032303-LP-EFF 5,6,7)	Total/NA	Water	1664A	315295
MB 570-315295/1-A	Method Blank	Total/NA	Water	1664A	315295
LCS 570-315295/2-A	Lab Control Sample	Total/NA	Water	1664A	315295
LCSD 570-315295/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	315295

# Lab Chronicle

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

Job ID: 570-132445-1

**Client Sample ID: GW-032303-LP-EFF**

**Lab Sample ID: 570-132445-1**

Date Collected: 03/23/23 10:00

Matrix: Water

Date Received: 03/24/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3510C SGC			260.7 mL	2.5 mL	316295	03/30/23 19:07	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	317034	04/03/23 23:33	A1W	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: COMPOSITE (GW-032303-LP-EFF 1,2,3,4)**

**Lab Sample ID: 570-132445-9**

Date Collected: 03/23/23 00:00

Matrix: Water

Date Received: 03/24/23 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	8260C		1	5 mL	5 mL	316996	04/03/23 17:36	JQ3W	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	315313	03/28/23 19:16	P1R	EET CAL 4
Instrument ID: GC1										

**Client Sample ID: COMPOSITE (GW-032303-LP-EFF 5,6,7)**

**Lab Sample ID: 570-132445-10**

Date Collected: 03/23/23 00:00

Matrix: Water

Date Received: 03/24/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	315295	03/28/23 08:45	RY4P	EET CAL 4
Total/NA	Analysis	1664A		1			316033	03/30/23 08:49	L6IE	EET CAL 4
Instrument ID: NO EQUIQ										

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 570-132445-1

## Laboratory: Eurofins Calscience

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

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

1

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# Method Summary

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

Job ID: 570-132445-1

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

#### Protocol References:

1664A = EPA-821-98-002

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

NWTPH = Northwest Total Petroleum Hydrocarbon

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

#### Laboratory References:

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

# Sample Summary

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

Job ID: 570-132445-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-132445-1	GW-032303-LP-EFF	Water	03/23/23 10:00	03/24/23 10:00
570-132445-9	COMPOSITE (GW-032303-LP-EFF 1,2,3,4)	Water	03/23/23 00:00	03/24/23 10:00
570-132445-10	COMPOSITE (GW-032303-LP-EFF 5,6,7)	Water	03/23/23 00:00	03/24/23 10:00

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15



Calscience

Loc: 570

132445

CHAIN OF CUSTODY RECORD

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.

WO # / LAB USE ONLY
DATE: 07/23/23 07/14/22
PAGE: 1 OF 1

LABORATORY CLIENT: GHD Services Inc.
ADDRESS: 9725 3rd Avenue NE Ste 204
CITY: Seattle STATE: WA ZIP: 98115
CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464
P.O. NO.: 12572873-2021-04
PROJECT CONTACT: Fabio Minervini 949-648-5270 Rose Bier 305-903-4318
SAMPLER(S): (PRINT) Luca Piscitello

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

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

Table with columns: LAB USE ONLY, SAMPLE ID, SAMPLING DATE, TIME, MATRIX, NO. OF CONT., Unpreserved, Preserved, Field Filtered, DRO/ORO (NWTPH-Dx), GRO (NWTPH-Gx), BTEX (8260), Oil and Grease (1664), and Lab Composite.

Relinquished by: (Signature) Luca Piscitello GHD 1330
Received by: (Sign) [Signature]
Date: 3/24/23 Time: 10:00

# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-132445-1

**Login Number: 132445**

**List Number: 1**

**Creator: Patel, Vikas**

**List Source: Eurofins Calscience**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	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 B**

**King County Self-Monitoring Reports**





King County

# Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program  
201 S. Jackson Street, Suite 513  
Seattle, WA 98104-3855  
Phone 206-477-5300 / FAX 206-263-3001  
Email: [info.KCIW@kingcounty.gov](mailto: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: January 2023

This form is available at [www.kingcounty.gov/industrialwaste](http://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									System off 1/1/23 to 1/30/23.
2									
3									
4									
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26									
27									
28									
29									
30									
31	G	6.9	ND	ND	ND	ND	ND	70	
Monthly Min pH	6.9	& Date	1/31/23	Total Monthly Flow (gallons)				70	
Monthly Max pH	6.9	& Date	1/31/23	Maximum Daily Flow				70	& Date 1/31/23

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

*Eli Gurian*  
Signature of Principal Executive or Authorized Agent  
2/15/2023  
Date

**PLEASE CIRCLE ALL PERMIT VIOLATIONS**

**Due Date:** Monthly report is due by the 15th each month.



King County

# Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program  
201 S. Jackson Street, Suite 513  
Seattle, WA 98104-3855  
Phone 206-477-5300 / FAX 206-263-3001  
Email: [info.KCIW@kingcounty.gov](mailto: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: February 2023

This form is available at [www.kingcounty.gov/industrialwaste](http://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									
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9									
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11									
12									
13									
14									
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17									
18									
19									
20									
21									
22									
23	G	6.9	ND	ND	ND	ND	ND	2390	
24									
25									
26									
27									
28									
29									
30									
31									

Monthly Min pH 6.9 & Date 2/23/2023 Total Monthly Flow (gallons) 6220

Monthly Max pH 6.9 & Date 2/23/2023 Maximum Daily Flow 2390 & Date 2/23/2023

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  
3/14/23  
Date

**PLEASE CIRCLE ALL PERMIT VIOLATIONS**

**Due Date:** Monthly report is due by the 15th each month.



King County

# Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program  
201 S. Jackson Street, Suite 513  
Seattle, WA 98104-3855  
Phone 206-477-5300 / FAX 206-263-3001  
Email: [info.KCIW@kingcounty.gov](mailto: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: March 2023

This form is available at [www.kingcounty.gov/industrialwaste](http://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									
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17									
18									
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20									
21									
22									
23	G	6.5	ND	ND	ND	ND	ND	1,550	
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 Jurian*

Signature of Principal Executive or Authorized Agent

4/11/2023

Date

Monthly Min pH 6.5 & Date 3/23/2023  
Monthly Max pH 6.5 & Date 3/23/2023

Total Monthly Flow (gallons) 15,320  
Maximum Daily Flow 3,370 & Date 3/1/2023

**PLEASE CIRCLE ALL PERMIT VIOLATIONS**

**Due Date:** Monthly report is due by the 15th each month.

# **Appendix C**

**Groundwater Monitoring Field Data Sheets**

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

Project Name: PL6 Renton Location: Renton  
 Job No.: 12605516 Date: 02/20/23  
 Client: [Signature] Engineer: LP

Observation Well	Depth to Product	Depth to Water
	feet	feet
MW-1	—	7.98
MW-2	—	7.70
MW-3	—	6.74
MW-4	—	5.23
MW-5	—	7.35
MW-6	—	8.80
MW-7	—	8.30
MW-8	—	8.06
MW-10	—	8.49
MW-11	—	4.37
MW-12	—	6.81
MW-13	—	5.20
MW-16	—	7.90
LAI-13	—	— Dry
LAI-14	—	6.04
D-1R	—	7.58
MW-15	—	5.65
B-4	—	5.05
B-6	—	5.30
RWx-5	—	6.75
DW-2	—	8.64

**GHD**

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

Project Name: P66 Renton Location: Renton  
 Job No.: 12605516 Date: 02/20/23  
 Client: \_\_\_\_\_ Engineer: LD

Observation Well	Depth to Product	Depth to Water
	feet	feet
DPE - 10	—	10.32
DPE - 11	11.82	11.92
DPE - 13	—	9.23
DPE - 26	7.42	8.43
DPE - 27	—	7.32
DPE - 28	—	6.00
DPE - 29	—	7.56
DPE - 30	—	8.86
DPE - 33	—	7.33
DPE - 34	—	5.25
DPE - 37	—	6.85
DPE - 38	unable to	access
DPE - 42	—	6.19
DPE - 43	—	6.50
DPE - 45	—	6.25
DPE - 47	—	5.15
DPE - 54	8.35	10.50
DPE - 55	—	6.83
DPE - 57	—	8.04
DPE - 56	—	6.42

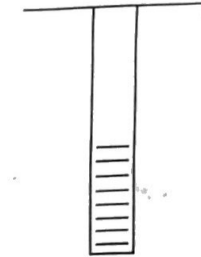
**GHD**

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

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 2/20/2027  
Personnel: LP



Monitoring Well Data:

Well No.: MW-1  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1145		7.99									Start purge
1200		10.25		11.8	550	2.20	1.87	6.06	-75.8		
1205		10.25		11.8	549	2.23	1.87	6.04	-74.1		
1210		10.25		11.7	548	1.65	0.85	6.00	-72.7		

Sample ID: WA-12605516-022023-LP-MW1 Sample Time: 1215

Notes:

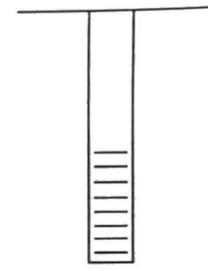
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units,  $V_s = \pi * (r^2) * L$  in mL, where r (r=D/2)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

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

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 2/20/2023  
Personnel: LP



Monitoring Well Data:

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

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1225		7.67									Start purge
1240		7.24		12.5	361.6	17.7	1.98	5.98	-59.7		
1245		7.75		12.5	300.6	12.8	1.00	5.95	-57.2		
1250		7.75		12.5	364.1	12.9	1.05	5.94	-56.9		

Sample ID: WA-12605516-022023-LP-MW2

Sample Time: 1255

Notes:

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

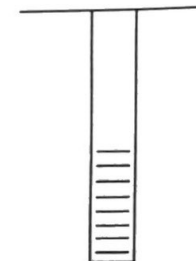


**Monitoring Well Record for Low-Flow Purging  
(Form SP-09)**

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 2/20/2023  
Personnel: LP



Monitoring Well Data:

Well No.: MW-3  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1300		6.74									Start purge
1315		7.62		8.6	116.7	5.44	1.05	5.88	+1.2		
1320		7.62		8.7	112.0	5.16	1.01	5.87	1.2		
1325		7.62		8.6	111.9	6.23	1.00	5.85	2.5		

Sample ID: WA-12605516-022023-LP-MW3

Sample Time: 1330

Notes:

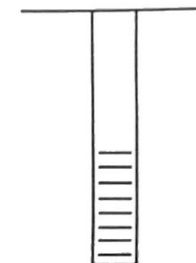
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units,  $V_s = \pi \cdot (r^2) \cdot L$  in mL, where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

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

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 2/20/2023  
Personnel: LP



Monitoring Well Data:

Well No.: MW-4  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
<u>1335</u>		<u>5.23</u>									<u>Start purge</u>
<u>1340/1350</u>		<u>5.35</u>		<u>10.2</u>	<u>59.1</u>	<u>6.03</u>	<u>1.08</u>	<u>5.65</u>	<u>22.2</u>		
<u>1345/1355</u>		<u>5.35</u>		<u>10.1</u>	<u>55.3</u>	<u>7.20</u>	<u>1.95</u>	<u>5.60</u>	<u>23.9</u>		
<u>1350/1400</u>		<u>5.35</u>		<u>9.8</u>	<u>65.3</u>		<u>1.90</u>	<u>5.57</u>	<u>24.8</u>		

Sample ID: WA-12605516-022023-LP-MW4      Sample Time: 1405

Notes:

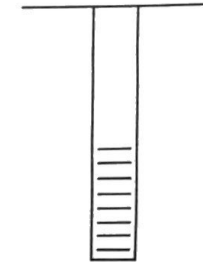
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units,  $V_s = \pi * (r^2) * L$  in mL, where r (r=D/2)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

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

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 2/20/2023  
Personnel: LP



Monitoring Well Data:

Well No.: MW-6  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
			Precision Required <sup>(5)</sup> :	±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1410		8.80									Start purge
1425		8.85		12.0	416.6	0.95	.59	5.85	-53.8		
1430		8.95		12.0	415.6	1.01	.56	5.84	-61.3		
1435		8.95		12.0	420.6	1.40	.53	5.86	-66.8		

Sample ID: WA-12605516-022023-LP-MW6 Sample Time: 1440

Notes:

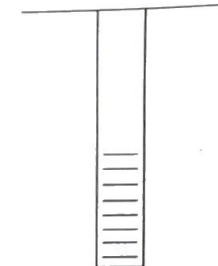
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units,  $V_s = \pi * (r^2) * L$  in mL, where r (r=D/2)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

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

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 4/20/23  
Personnel: LP



Monitoring Well Data:

Well No.: MW-16  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, Vp (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1500		7.90									Start purge
1540		7.96		10.6	128.0	22.8	.83	5.87	-18.8		
1545		7.96		10.6	127.5	17.7	.80	5.86	-14.7		
1550		7.96		10.7	127.8		.79	5.86	-10.2		

Sample ID: NA-12605516-022023-LP-MW16      Sample Time: 1555

Notes:

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

★ Took 40 mins to clear up ~ lots of bacterial iron



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

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 2/20/2023  
Personnel: LP

Monitoring Well Data:

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

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1600		5.22									
1615		5.33		9.9	160.4	4.94	1.75	5.87	21.4		
1620		5.33		9.9	159.0	3.81	1.71	5.86	22.6		
1625		5.33		10.0	164.1		1.70	5.44	26.2		

Sample ID: WA-12605516-022023-LP-MW13

Sample Time: 1630

Notes:

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

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

Project Data:

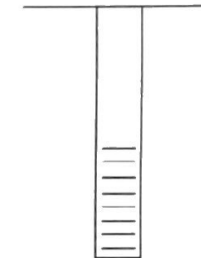
Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 02/22/2023  
Personnel: MC

Monitoring Well Data:

Well No.: MW-7  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
			Precision Required <sup>(5)</sup> :	±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
14 30		8.36									Start purge
14 45		9.53		11.77	486	6.95	1.77	6.39	-37.0		
14 50		9.68		11.92	494	6.71	1.02	6.36	-37.9		
14 55		9.82		12.01	505	6.89	0.84	6.36	-44.2		
15 00		9.95		12.04	516	6.76	0.75	6.37	-48.6		

Sample ID: WA-12605516-022223-6P-MW7

Sample Time: 15 00

Notes:

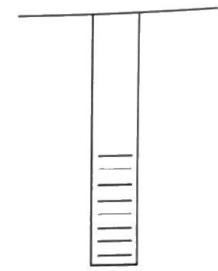
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units,  $V_s = \pi \cdot (r^2) \cdot L$  in mL, where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

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

**Project Data:**

Project Name: Renton  
 Ref. No.: \_\_\_\_\_

Date: 2/22/2023  
 Personnel: MC



**Monitoring Well Data:**

Well No.: MW-10  
 Vapour PID (ppm): \_\_\_\_\_  
 Measurement Point: \_\_\_\_\_  
 Constructed Well Depth (m/ft): \_\_\_\_\_  
 Measured Well Depth (m/ft): \_\_\_\_\_  
 Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
 Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
 Well Diameter, D (cm/in): \_\_\_\_\_  
 Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
 Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity μS/cm	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(5)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
0830		8.49		12.86 <sup>MC</sup>	808 <sup>MC</sup>	0.98 <sup>MC</sup>	2.48 <sup>MC</sup>	6.85 <sup>MC</sup>	-53.9 <sup>MC</sup>		Start purge
0845		9.72		12.86	805	0.95	2.48	6.86	-53.9		
0850		9.76		13.00	805	0.92	2.31	6.85	-66.3		
0855		9.77		12.88	806	1.76	2.31	6.85	-55.7		

Sample ID: WA-12605516-022223-LP-MW10

Sample Time: 0900

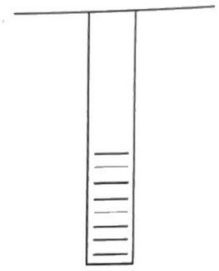
**Notes:**

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

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

Project Data:  
 Project Name: Renton  
 Ref. No.: \_\_\_\_\_

Date: 02/22/2023  
 Personnel: MC



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

Saturated Screen Length (m/ft): \_\_\_\_\_  
 Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
 Well Diameter, D (cm/in): \_\_\_\_\_  
 Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
 Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
		Precision Required <sup>(5)</sup> :			±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV	
12 45		5.70									start purge
13 00		6.33		10.12	268	1.25	1.75	6.56	-46.6		
13 05		6.32		10.22	270	1.20	2.12	6.53	-49.5		
13 10		6.36		10.21	273	0.86	1.36	6.52	-50.7		
13 15		6.38		10.34	278	1.24	1.22	6.49	-51.3		

Sample ID: WA-12605516-02223-LP-MW15

Sample Time: 13 15

Notes:

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

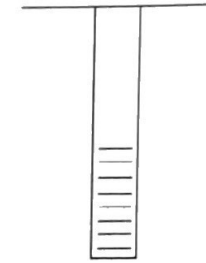


**Monitoring Well Record for Low-Flow Purging  
(Form SP-09)**

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 2/22/2023  
Personnel: MC



Monitoring Well Data:

Well No.: D-1R  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
09 35		7.55									Start purge
09 50		7.89		11.35	465	1.98	201	6.82	-61.0		
09 55		7.90		11.46	467	1.74	1.56	6.80	-76.0		
10 00		7.92		11.69	470	1.68	1.26	6.79	-79.5		
10 05		7.93		11.81	471	1.78	1.15	6.78	-75.4		

Sample ID: WA-1260556-022223-LP-D-1R

Sample Time: 10 05

Notes:

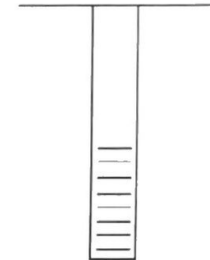
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units,  $V_s = \pi \cdot (r^2) \cdot L$  in mL, where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

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

Project Data:

Project Name: Rendon  
Ref. No.: \_\_\_\_\_

Date: 02/22/2023  
Personnel: MC



Monitoring Well Data:

Well No.: LAI-14  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
		Precision Required <sup>(5)</sup> :			±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV	
11 15		6.01									Start purge
11 30		6.92		8.95	221	6.45	6.14	7.27	-21.8		
11 35		7.00		8.89	221	5.31	5.58	7.24	-17.6		
11 40		7.15		8.97	229	2.69	5.12	7.22	-15.3		
11 45		7.28		9.06	247	2.85	5.06	7.20	-15.3		

Sample ID: WA-12605516-022227-LP-LAI14 Sample Time: 11 45

Notes:

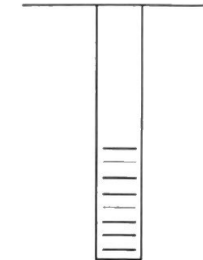
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units,  $V_s = \pi * (r^2) * L$  in mL, where  $r = (D/2)$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

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

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 02/22/23  
Personnel: LP



Monitoring Well Data:

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

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1245		6.79									Start purge
1305		7.15		12.5	210.1	9.10	.45	5.95	-41.0		
1310		7.15		12.6	212.0	7.23	.44	5.89	-39.4		
1315		7.10		12.5	212.5	6.45	.44	5.86	-33.8		

Sample ID: WA-12605516-012223-LP-MW12 Sample Time: 1320

Notes:

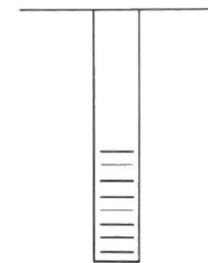
- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 0.6 m (2 ft) above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 1.52 metres (5-foot) screen length (L). For metric units,  $V_s = \pi \cdot (r^2) \cdot L$  in mL, where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

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

Project Data:

Project Name: Rmta  
Ref. No.: \_\_\_\_\_

Date: 02/22/23  
Personnel: LP



Monitoring Well Data:

Well No.: MW-11  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1330		4.39									Start purge
1345		4.63		11.1	276.6	1.77	1.35	5.98	-35.1		
1350		4.65		11.0	279.7	1.20	1.35	5.98	-36.9		
1355		4.65		11.2	288.4	1.88	1.38	5.97	-37.7		

Sample ID: WA-12605516-022223-LP-MW11

Sample Time: 1400

Notes:

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

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

Project Data:

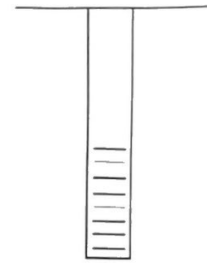
Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 02/22/23  
Personnel: LP

Monitoring Well Data:

Well No.: MW-8  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1155		8.11									Start purge
1210		8.46		14.3	579	3.65	1.34	6.06	-83.3		
1215		8.46		14.4	567	6.45	1.34	6.05	-87.5		
1220		8.45		14.4	565	5.72	1.32	6.03	-88.9		

Sample ID: WA12605516-02223-LP-MW8

Sample Time: 1225

Notes:

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

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

Project Data:

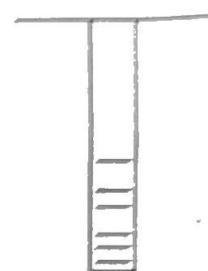
Project Name: Rendon  
Ref. No.: \_\_\_\_\_

Date: 02/22/23  
Personnel: LP

Monitoring Well Data:

Well No.: DW-2  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft): \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L): \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(2)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1115		6.66									Start pump
1130		9.30		14.2	605	1.64	.01	6.00	-56.8		
1135		9.30		14.2	601	1.53	.43	6.03	-73.8		
1140		9.30		14.3	600	1.92	.42	6.03	-72.0		
1145		9.29		14.3	603	1.69	.39	6.04	-52.0		

Sample ID: WA-12605516-022223-LP-DW2 Sample Time: 1150

Notes:

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

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

Project Data:

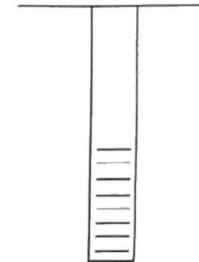
Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 02/22/23  
Personnel: LP

Monitoring Well Data:

Well No.: B-4  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
		Precision Required <sup>(5)</sup> :		±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
0940		4.85									Start purge
0955		4.99		8.9	450.0	4.95	1.28	6.83	-19.8		
1000		5.00		9.0	448.8	4.97	1.19	6.58	-29.1		
1005		4.99		9.0	454.1	5.49	1.18	6.49	-33.1		
1010		4.99		8.9	445.9	5.32	1.15	6.41	-31.4		

Sample ID: WA-1265516-022023-LP-B4

Sample Time: 1015

Notes:

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

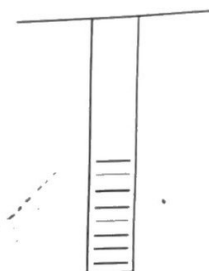


**Monitoring Well Record for Low-Flow Purging**  
(Form SP-09)

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 02/22/23  
Personnel: LD



Monitoring Well Data:

Well No.: B-6  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1020		5.25									
1050		5.70		10.4	349.0	13.3	.89	6.08	-3.8		
1055		5.70		10.2	353.5	12.5	.85	6.04	-29.9		
1100				10.4	360.2	11.9	.80	6.01	-28.9		

Sample ID: WA-12605516-022223-LP-MW13

Sample Time: 1105

Notes:

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

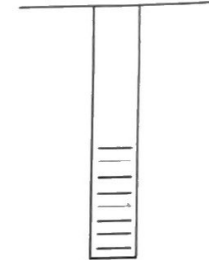


**Monitoring Well Record for Low-Flow Purging  
(Form SP-09)**

Project Data:

Project Name: Renton  
Ref. No.: \_\_\_\_\_

Date: 02/23/2023  
Personnel: LP



Monitoring Well Data:

Well No.: RW-5  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_

Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
0940		0.72									Start purge
0955		2.50		8.1	95.0	7.20	6.66	6.28	43.3		
1000		2.50		8.3	96.0	8.08	6.57	6.31	39.2		
1005		2.50		8.0	95.3	8.23	6.61	6.32	38.6		

Sample ID: WA-12605516-022323-LP-RW-5

Sample Time: 1010

Notes:

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

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

Project Data:

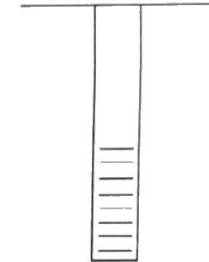
Project Name: Repton  
Ref. No.: \_\_\_\_\_

Date: 02/23/2023  
Personnel: LP

Monitoring Well Data:

Well No.: DPE-28  
Vapour PID (ppm): \_\_\_\_\_  
Measurement Point: \_\_\_\_\_  
Constructed Well Depth (m/ft): \_\_\_\_\_  
Measured Well Depth (m/ft): \_\_\_\_\_  
Depth of Sediment (m/ft): \_\_\_\_\_

Saturated Screen Length (m/ft): \_\_\_\_\_  
Depth to Pump Intake (m/ft)<sup>(1)</sup>: \_\_\_\_\_  
Well Diameter, D (cm/in): \_\_\_\_\_  
Well Screen Volume, V<sub>s</sub> (L)<sup>(2)</sup>: \_\_\_\_\_  
Initial Depth to Water (m/ft): \_\_\_\_\_



Time	Pumping Rate (mL/min)	Depth to Water (m/ft)	Drawdown from Initial Water Level <sup>(3)</sup> (m/ft)	Temperature °C	Conductivity (mS/cm)	Turbidity NTU	DO (mg/L)	pH	ORP (mV)	Volume Purged, V <sub>p</sub> (L)	No. of Well Screen Volumes Purged <sup>(4)</sup>
Precision Required <sup>(5)</sup> :				±3 %	±0.005 or 0.01 <sup>(6)</sup>	±10 %	±10 %	±0.1 Units	±10 mV		
1045		6.06									
1120		6.85		9.0	244.0	24.4	1.63	5.95	31.9		
1125		6.87		8.9	244.0	24.1	1.57	5.87	31.7		
1130		6.85		8.9	237.8	24.0	1.58	5.83	31.4		

Sample ID: WA-12605516-022323-LP-DPE-28

Sample Time: 1135

Notes:

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

# **Appendix D**

## **Groundwater Sampling Analytical Report**

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

Attn: Fabio Minervini  
GHD Services Inc.  
320 Goddard Way.  
Suite 200  
Irvine, California 92618  
Generated 3/6/2023 12:56:54 PM

**JOB DESCRIPTION**

P66 5228 (GWM) Renton Terminal / 12605516

**JOB NUMBER**

570-128738-1

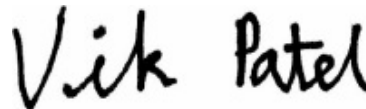
## Job Notes

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

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

## Authorization



Generated  
3/6/2023 12:56:54 PM

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



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# Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

## Glossary

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

# Case Narrative

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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## Job ID: 570-128738-1

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### Laboratory: Eurofins Calscience

#### Narrative

#### Job Narrative 570-128738-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/23/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3° C.

#### GC/MS VOA

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: WA-022023-LP-MW6 (570-128738-5). Elevated reporting limits (RLs) are provided.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-306696. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

#### GC VOA

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

#### GC Semi VOA

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

#### Organic Prep

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-308223. 8015B\_DRO. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

#### VOA Prep

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



# Detection Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

**Client Sample ID: WA-022023-LP-MW1** **Lab Sample ID: 570-128738-1**

No Detections.

**Client Sample ID: WA-022023-LP-MW2** **Lab Sample ID: 570-128738-2**

No Detections.

**Client Sample ID: WA-022023-LP-MW3** **Lab Sample ID: 570-128738-3**

No Detections.

**Client Sample ID: WA-022023-LP-MW4** **Lab Sample ID: 570-128738-4**

No Detections.

**Client Sample ID: WA-022023-LP-MW6** **Lab Sample ID: 570-128738-5**

No Detections.

**Client Sample ID: WA-022023-LP-MW16** **Lab Sample ID: 570-128738-6**

No Detections.

**Client Sample ID: WA-022023-LP-MW13** **Lab Sample ID: 570-128738-7**

No Detections.

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

**Client Sample ID: WA-022023-LP-MW1**

**Date Collected: 02/22/23 12:15**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/24/23 12:30	1
Toluene	ND		1.0	ug/L			02/24/23 12:30	1
o-Xylene	ND		1.0	ug/L			02/24/23 12:30	1
m,p-Xylene	ND		2.0	ug/L			02/24/23 12:30	1
Ethylbenzene	ND		1.0	ug/L			02/24/23 12:30	1
Xylenes, Total	ND		2.0	ug/L			02/24/23 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 123		02/24/23 12:30	1
4-Bromofluorobenzene (Surr)	90		80 - 120		02/24/23 12:30	1
Dibromofluoromethane (Surr)	107		78 - 120		02/24/23 12:30	1
Toluene-d8 (Surr)	97		80 - 120		02/24/23 12:30	1

**Client Sample ID: WA-022023-LP-MW2**

**Date Collected: 02/22/23 12:55**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/24/23 12:51	1
Toluene	ND		1.0	ug/L			02/24/23 12:51	1
o-Xylene	ND		1.0	ug/L			02/24/23 12:51	1
m,p-Xylene	ND		2.0	ug/L			02/24/23 12:51	1
Ethylbenzene	ND		1.0	ug/L			02/24/23 12:51	1
Xylenes, Total	ND		2.0	ug/L			02/24/23 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		70 - 123		02/24/23 12:51	1
4-Bromofluorobenzene (Surr)	90		80 - 120		02/24/23 12:51	1
Dibromofluoromethane (Surr)	109		78 - 120		02/24/23 12:51	1
Toluene-d8 (Surr)	97		80 - 120		02/24/23 12:51	1

**Client Sample ID: WA-022023-LP-MW3**

**Date Collected: 02/22/23 13:30**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/24/23 13:13	1
Toluene	ND		1.0	ug/L			02/24/23 13:13	1
o-Xylene	ND		1.0	ug/L			02/24/23 13:13	1
m,p-Xylene	ND		2.0	ug/L			02/24/23 13:13	1
Ethylbenzene	ND		1.0	ug/L			02/24/23 13:13	1
Xylenes, Total	ND		2.0	ug/L			02/24/23 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 123		02/24/23 13:13	1
4-Bromofluorobenzene (Surr)	89		80 - 120		02/24/23 13:13	1
Dibromofluoromethane (Surr)	109		78 - 120		02/24/23 13:13	1
Toluene-d8 (Surr)	96		80 - 120		02/24/23 13:13	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

**Client Sample ID: WA-022023-LP-MW4**

**Date Collected: 02/22/23 14:05**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-4**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/24/23 13:34	1
Toluene	ND		1.0	ug/L			02/24/23 13:34	1
o-Xylene	ND		1.0	ug/L			02/24/23 13:34	1
m,p-Xylene	ND		2.0	ug/L			02/24/23 13:34	1
Ethylbenzene	ND		1.0	ug/L			02/24/23 13:34	1
Xylenes, Total	ND		2.0	ug/L			02/24/23 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 123		02/24/23 13:34	1
4-Bromofluorobenzene (Surr)	89		80 - 120		02/24/23 13:34	1
Dibromofluoromethane (Surr)	109		78 - 120		02/24/23 13:34	1
Toluene-d8 (Surr)	96		80 - 120		02/24/23 13:34	1

**Client Sample ID: WA-022023-LP-MW6**

**Date Collected: 02/22/23 14:40**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-5**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/L			02/24/23 14:39	4
Toluene	ND		4.0	ug/L			02/24/23 14:39	4
o-Xylene	ND		4.0	ug/L			02/24/23 14:39	4
m,p-Xylene	ND		8.0	ug/L			02/24/23 14:39	4
Ethylbenzene	ND		4.0	ug/L			02/24/23 14:39	4
Xylenes, Total	ND		8.0	ug/L			02/24/23 14:39	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		70 - 123		02/24/23 14:39	4
4-Bromofluorobenzene (Surr)	88		80 - 120		02/24/23 14:39	4
Dibromofluoromethane (Surr)	110		78 - 120		02/24/23 14:39	4
Toluene-d8 (Surr)	97		80 - 120		02/24/23 14:39	4

**Client Sample ID: WA-022023-LP-MW16**

**Date Collected: 02/22/23 15:55**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-6**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/24/23 13:56	1
Toluene	ND		1.0	ug/L			02/24/23 13:56	1
o-Xylene	ND		1.0	ug/L			02/24/23 13:56	1
m,p-Xylene	ND		2.0	ug/L			02/24/23 13:56	1
Ethylbenzene	ND		1.0	ug/L			02/24/23 13:56	1
Xylenes, Total	ND		2.0	ug/L			02/24/23 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		70 - 123		02/24/23 13:56	1
4-Bromofluorobenzene (Surr)	89		80 - 120		02/24/23 13:56	1
Dibromofluoromethane (Surr)	110		78 - 120		02/24/23 13:56	1
Toluene-d8 (Surr)	98		80 - 120		02/24/23 13:56	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

**Client Sample ID: WA-022023-LP-MW13**

**Date Collected: 02/22/23 16:30**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-7**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/24/23 14:18	1
Toluene	ND		1.0	ug/L			02/24/23 14:18	1
o-Xylene	ND		1.0	ug/L			02/24/23 14:18	1
m,p-Xylene	ND		2.0	ug/L			02/24/23 14:18	1
Ethylbenzene	ND		1.0	ug/L			02/24/23 14:18	1
Xylenes, Total	ND		2.0	ug/L			02/24/23 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 123		02/24/23 14:18	1
4-Bromofluorobenzene (Surr)	88		80 - 120		02/24/23 14:18	1
Dibromofluoromethane (Surr)	110		78 - 120		02/24/23 14:18	1
Toluene-d8 (Surr)	97		80 - 120		02/24/23 14:18	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

**Client Sample ID: WA-022023-LP-MW1**

**Date Collected: 02/22/23 12:15**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/27/23 21:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		50 - 150				02/27/23 21:09	1

**Client Sample ID: WA-022023-LP-MW2**

**Date Collected: 02/22/23 12:55**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/27/23 21:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		50 - 150				02/27/23 21:32	1

**Client Sample ID: WA-022023-LP-MW3**

**Date Collected: 02/22/23 13:30**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/27/23 21:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		50 - 150				02/27/23 21:56	1

**Client Sample ID: WA-022023-LP-MW4**

**Date Collected: 02/22/23 14:05**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-4**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/27/23 22:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		50 - 150				02/27/23 22:19	1

**Client Sample ID: WA-022023-LP-MW6**

**Date Collected: 02/22/23 14:40**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-5**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/27/23 23:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69		50 - 150				02/27/23 23:06	1

**Client Sample ID: WA-022023-LP-MW16**

**Date Collected: 02/22/23 15:55**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-6**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/27/23 23:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		50 - 150				02/27/23 23:30	1

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# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

Client Sample ID: WA-022023-LP-MW13

Date Collected: 02/22/23 16:30

Date Received: 02/23/23 09:45

Lab Sample ID: 570-128738-7

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/27/23 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65		50 - 150		02/27/23 23:53	1

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

**Client Sample ID: WA-022023-LP-MW1**

**Date Collected: 02/22/23 12:15**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.099	mg/L		03/01/23 20:57	03/03/23 04:32	1
TPH as Motor Oil Range	ND		0.099	mg/L		03/01/23 20:57	03/03/23 04:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	114		50 - 150			03/01/23 20:57	03/03/23 04:32	1

**Client Sample ID: WA-022023-LP-MW2**

**Date Collected: 02/22/23 12:55**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.097	mg/L		03/01/23 20:57	03/03/23 04:53	1
TPH as Motor Oil Range	ND		0.097	mg/L		03/01/23 20:57	03/03/23 04:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	117		50 - 150			03/01/23 20:57	03/03/23 04:53	1

**Client Sample ID: WA-022023-LP-MW3**

**Date Collected: 02/22/23 13:30**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		03/01/23 20:57	03/03/23 05:15	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 20:57	03/03/23 05:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	101		50 - 150			03/01/23 20:57	03/03/23 05:15	1

**Client Sample ID: WA-022023-LP-MW4**

**Date Collected: 02/22/23 14:05**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-4**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.095	mg/L		03/01/23 20:57	03/03/23 05:37	1
TPH as Motor Oil Range	ND		0.095	mg/L		03/01/23 20:57	03/03/23 05:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	97		50 - 150			03/01/23 20:57	03/03/23 05:37	1

**Client Sample ID: WA-022023-LP-MW6**

**Date Collected: 02/22/23 14:40**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-5**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.098	mg/L		03/01/23 20:57	03/03/23 05:59	1
TPH as Motor Oil Range	ND		0.098	mg/L		03/01/23 20:57	03/03/23 05:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	110		50 - 150			03/01/23 20:57	03/03/23 05:59	1

**Client Sample ID: WA-022023-LP-MW16**

**Date Collected: 02/22/23 15:55**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-6**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		03/01/23 20:57	03/03/23 06:21	1

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# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

**Client Sample ID: WA-022023-LP-MW16**

**Date Collected: 02/22/23 15:55**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-6**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 20:57	03/03/23 06:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	92		50 - 150			03/01/23 20:57	03/03/23 06:21	1

**Client Sample ID: WA-022023-LP-MW13**

**Date Collected: 02/22/23 16:30**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128738-7**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		03/01/23 20:57	03/03/23 06:42	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 20:57	03/03/23 06:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	105		50 - 150			03/01/23 20:57	03/03/23 06:42	1



# Surrogate Summary

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-128738-1	WA-022023-LP-MW1	110	90	107	97
570-128738-2	WA-022023-LP-MW2	112	90	109	97
570-128738-3	WA-022023-LP-MW3	111	89	109	96
570-128738-4	WA-022023-LP-MW4	110	89	109	96
570-128738-5	WA-022023-LP-MW6	113	88	110	97
570-128738-6	WA-022023-LP-MW16	112	89	110	98
570-128738-7	WA-022023-LP-MW13	110	88	110	97
LCS 570-306696/4	Lab Control Sample	97	99	97	99
LCSD 570-306696/5	Lab Control Sample Dup	97	99	96	98
MB 570-306696/7	Method Blank	109	89	106	96

### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-128738-1	WA-022023-LP-MW1	76
570-128738-2	WA-022023-LP-MW2	71
570-128738-3	WA-022023-LP-MW3	67
570-128738-4	WA-022023-LP-MW4	68
570-128738-5	WA-022023-LP-MW6	69
570-128738-6	WA-022023-LP-MW16	67
570-128738-7	WA-022023-LP-MW13	65
LCS 570-307423/4	Lab Control Sample	93
LCSD 570-307423/5	Lab Control Sample Dup	77
MB 570-307423/6	Method Blank	67

### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Silica Gel Cleanup

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTCSN (50-150)
570-128738-1	WA-022023-LP-MW1	114
570-128738-2	WA-022023-LP-MW2	117
570-128738-3	WA-022023-LP-MW3	101
570-128738-4	WA-022023-LP-MW4	97
570-128738-5	WA-022023-LP-MW6	110
570-128738-6	WA-022023-LP-MW16	92
570-128738-7	WA-022023-LP-MW13	105
LCS 570-308575/2-A	Lab Control Sample	97

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# Surrogate Summary

Client: GHD Services Inc.

Job ID: 570-128738-1

Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

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

**(Continued)**

**Matrix: Water**

**Prep Type: Silica Gel Cleanup**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN (50-150)
LCSD 570-308575/3-A	Lab Control Sample Dup	100
MB 570-308575/1-A	Method Blank	100

### Surrogate Legend

OTCSN = n-Octacosane (Surr)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

**Lab Sample ID: MB 570-306696/7**  
**Matrix: Water**  
**Analysis Batch: 306696**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/24/23 11:03	1
Toluene	ND		1.0	ug/L			02/24/23 11:03	1
o-Xylene	ND		1.0	ug/L			02/24/23 11:03	1
m,p-Xylene	ND		2.0	ug/L			02/24/23 11:03	1
Ethylbenzene	ND		1.0	ug/L			02/24/23 11:03	1
Xylenes, Total	ND		2.0	ug/L			02/24/23 11:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 123		02/24/23 11:03	1
4-Bromofluorobenzene (Surr)	89		80 - 120		02/24/23 11:03	1
Dibromofluoromethane (Surr)	106		78 - 120		02/24/23 11:03	1
Toluene-d8 (Surr)	96		80 - 120		02/24/23 11:03	1

**Lab Sample ID: LCS 570-306696/4**  
**Matrix: Water**  
**Analysis Batch: 306696**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	18.78		ug/L		94	80 - 121
Toluene	20.0	19.12		ug/L		96	80 - 120
o-Xylene	20.0	19.26		ug/L		96	80 - 122
m,p-Xylene	40.0	41.40		ug/L		103	80 - 123
Ethylbenzene	20.0	19.32		ug/L		97	80 - 121

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

**Lab Sample ID: LCSD 570-306696/5**  
**Matrix: Water**  
**Analysis Batch: 306696**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	19.33		ug/L		97	80 - 121	3	20
Toluene	20.0	19.55		ug/L		98	80 - 120	2	20
o-Xylene	20.0	20.14		ug/L		101	80 - 122	4	20
m,p-Xylene	40.0	42.12		ug/L		105	80 - 123	2	20
Ethylbenzene	20.0	19.86		ug/L		99	80 - 121	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 123
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	96		78 - 120
Toluene-d8 (Surr)	98		80 - 120

# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

**Lab Sample ID: MB 570-307423/6**  
**Matrix: Water**  
**Analysis Batch: 307423**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/27/23 14:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		50 - 150				02/27/23 14:02	1

**Lab Sample ID: LCS 570-307423/4**  
**Matrix: Water**  
**Analysis Batch: 307423**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1920	2277		ug/L		118	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		50 - 150				

**Lab Sample ID: LCSD 570-307423/5**  
**Matrix: Water**  
**Analysis Batch: 307423**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1920	2299		ug/L		120	76 - 128	1	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	77		50 - 150						

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

**Lab Sample ID: MB 570-308575/1-A**  
**Matrix: Water**  
**Analysis Batch: 308577**

**Client Sample ID: Method Blank**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 308575**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		03/01/23 20:57	03/02/23 19:58	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 20:57	03/02/23 19:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	100		50 - 150			03/01/23 20:57	03/02/23 19:58	1

**Lab Sample ID: LCS 570-308575/2-A**  
**Matrix: Water**  
**Analysis Batch: 308577**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 308575**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	4.00	3.858		mg/L		96	68 - 120

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# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

**Lab Sample ID: LCS 570-308575/2-A**  
**Matrix: Water**  
**Analysis Batch: 308577**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 308575**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
<i>n</i> -Octacosane (Surr)	97		50 - 150

**Lab Sample ID: LCSD 570-308575/3-A**  
**Matrix: Water**  
**Analysis Batch: 308577**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Silica Gel Cleanup**  
**Prep Batch: 308575**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Diesel Range Organics [C10-C28]	4.00	4.004		mg/L		100	68 - 120	4	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
<i>n</i> -Octacosane (Surr)	100		50 - 150

# QC Association Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

## GC/MS VOA

### Analysis Batch: 306696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128738-1	WA-022023-LP-MW1	Total/NA	Water	8260C	
570-128738-2	WA-022023-LP-MW2	Total/NA	Water	8260C	
570-128738-3	WA-022023-LP-MW3	Total/NA	Water	8260C	
570-128738-4	WA-022023-LP-MW4	Total/NA	Water	8260C	
570-128738-5	WA-022023-LP-MW6	Total/NA	Water	8260C	
570-128738-6	WA-022023-LP-MW16	Total/NA	Water	8260C	
570-128738-7	WA-022023-LP-MW13	Total/NA	Water	8260C	
MB 570-306696/7	Method Blank	Total/NA	Water	8260C	
LCS 570-306696/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-306696/5	Lab Control Sample Dup	Total/NA	Water	8260C	

## GC VOA

### Analysis Batch: 307423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128738-1	WA-022023-LP-MW1	Total/NA	Water	NWTPH-Gx	
570-128738-2	WA-022023-LP-MW2	Total/NA	Water	NWTPH-Gx	
570-128738-3	WA-022023-LP-MW3	Total/NA	Water	NWTPH-Gx	
570-128738-4	WA-022023-LP-MW4	Total/NA	Water	NWTPH-Gx	
570-128738-5	WA-022023-LP-MW6	Total/NA	Water	NWTPH-Gx	
570-128738-6	WA-022023-LP-MW16	Total/NA	Water	NWTPH-Gx	
570-128738-7	WA-022023-LP-MW13	Total/NA	Water	NWTPH-Gx	
MB 570-307423/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-307423/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-307423/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

## GC Semi VOA

### Prep Batch: 308575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128738-1	WA-022023-LP-MW1	Silica Gel Cleanup	Water	3510C SGC	
570-128738-2	WA-022023-LP-MW2	Silica Gel Cleanup	Water	3510C SGC	
570-128738-3	WA-022023-LP-MW3	Silica Gel Cleanup	Water	3510C SGC	
570-128738-4	WA-022023-LP-MW4	Silica Gel Cleanup	Water	3510C SGC	
570-128738-5	WA-022023-LP-MW6	Silica Gel Cleanup	Water	3510C SGC	
570-128738-6	WA-022023-LP-MW16	Silica Gel Cleanup	Water	3510C SGC	
570-128738-7	WA-022023-LP-MW13	Silica Gel Cleanup	Water	3510C SGC	
MB 570-308575/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-308575/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-308575/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 308577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128738-1	WA-022023-LP-MW1	Silica Gel Cleanup	Water	NWTPH-Dx	308575
570-128738-2	WA-022023-LP-MW2	Silica Gel Cleanup	Water	NWTPH-Dx	308575
570-128738-3	WA-022023-LP-MW3	Silica Gel Cleanup	Water	NWTPH-Dx	308575
570-128738-4	WA-022023-LP-MW4	Silica Gel Cleanup	Water	NWTPH-Dx	308575
570-128738-5	WA-022023-LP-MW6	Silica Gel Cleanup	Water	NWTPH-Dx	308575
570-128738-6	WA-022023-LP-MW16	Silica Gel Cleanup	Water	NWTPH-Dx	308575
570-128738-7	WA-022023-LP-MW13	Silica Gel Cleanup	Water	NWTPH-Dx	308575
MB 570-308575/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	308575
LCS 570-308575/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	308575

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# QC Association Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

## GC Semi VOA (Continued)

### Analysis Batch: 308577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-308575/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	308575

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# Lab Chronicle

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

## Client Sample ID: WA-022023-LP-MW1

## Lab Sample ID: 570-128738-1

Date Collected: 02/22/23 12:15

Matrix: Water

Date Received: 02/23/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	306696	02/24/23 12:30	OH1	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	307423	02/27/23 21:09	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			252.6 mL	2.5 mL	308575	03/01/23 20:57	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 04:32	SP9M	EET CAL 4
Instrument ID: GC48										

## Client Sample ID: WA-022023-LP-MW2

## Lab Sample ID: 570-128738-2

Date Collected: 02/22/23 12:55

Matrix: Water

Date Received: 02/23/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	306696	02/24/23 12:51	OH1	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	307423	02/27/23 21:32	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			258.1 mL	2.5 mL	308575	03/01/23 20:57	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 04:53	SP9M	EET CAL 4
Instrument ID: GC48										

## Client Sample ID: WA-022023-LP-MW3

## Lab Sample ID: 570-128738-3

Date Collected: 02/22/23 13:30

Matrix: Water

Date Received: 02/23/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	306696	02/24/23 13:13	OH1	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	307423	02/27/23 21:56	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			251.2 mL	2.5 mL	308575	03/01/23 20:57	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 05:15	SP9M	EET CAL 4
Instrument ID: GC48										

## Client Sample ID: WA-022023-LP-MW4

## Lab Sample ID: 570-128738-4

Date Collected: 02/22/23 14:05

Matrix: Water

Date Received: 02/23/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	306696	02/24/23 13:34	OH1	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	307423	02/27/23 22:19	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			263 mL	2.5 mL	308575	03/01/23 20:57	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 05:37	SP9M	EET CAL 4
Instrument ID: GC48										

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# Lab Chronicle

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

## Client Sample ID: WA-022023-LP-MW6

## Lab Sample ID: 570-128738-5

Date Collected: 02/22/23 14:40

Matrix: Water

Date Received: 02/23/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	5 mL	5 mL	306696	02/24/23 14:39	OH1	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	307423	02/27/23 23:06	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			255.1 mL	2.5 mL	308575	03/01/23 20:57	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 05:59	SP9M	EET CAL 4
Instrument ID: GC48										

## Client Sample ID: WA-022023-LP-MW16

## Lab Sample ID: 570-128738-6

Date Collected: 02/22/23 15:55

Matrix: Water

Date Received: 02/23/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	306696	02/24/23 13:56	OH1	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	307423	02/27/23 23:30	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			248.3 mL	2.5 mL	308575	03/01/23 20:57	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 06:21	SP9M	EET CAL 4
Instrument ID: GC48										

## Client Sample ID: WA-022023-LP-MW13

## Lab Sample ID: 570-128738-7

Date Collected: 02/22/23 16:30

Matrix: Water

Date Received: 02/23/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	306696	02/24/23 14:18	OH1	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	307423	02/27/23 23:53	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			250.8 mL	2.5 mL	308575	03/01/23 20:57	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 06:42	SP9M	EET CAL 4
Instrument ID: GC48										

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

## Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C916-18	10-11-23

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# Method Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

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

#### Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

#### Laboratory References:

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



# Sample Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128738-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-128738-1	WA-022023-LP-MW1	Water	02/22/23 12:15	02/23/23 09:45
570-128738-2	WA-022023-LP-MW2	Water	02/22/23 12:55	02/23/23 09:45
570-128738-3	WA-022023-LP-MW3	Water	02/22/23 13:30	02/23/23 09:45
570-128738-4	WA-022023-LP-MW4	Water	02/22/23 14:05	02/23/23 09:45
570-128738-5	WA-022023-LP-MW6	Water	02/22/23 14:40	02/23/23 09:45
570-128738-6	WA-022023-LP-MW16	Water	02/22/23 15:55	02/23/23 09:45
570-128738-7	WA-022023-LP-MW13	Water	02/22/23 16:30	02/23/23 09:45

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# Chain of Custody Record

128738  
 847121

<b>Client Information</b>		Sampler: Luca Piscitello		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact: Rosemary Bier		Phone: 305-903-4318		E-Mail: rosemary.bier@gand.com				Page: 1 of 1	
Company: GHD		Due Date Requested: -		Analysis Requested:				Job #:	
Address: 9725 3rd Ave NE, Ste 204		TAT Requested (days): Standard		Perform MS/MSD (Yes or No):				Preservation Codes:	
City: Seattle		PO #: 12605516-2023-03		Field Filtered Sample (Yes or No):				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 Other:	
State Zip: WA, 98115		WO #: 12605516-2023-01		Matrix (W=water, S=solid, O=soil, A=air):				M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone: 206-802-1595		Project #: 12605516		Sample Type (C=Comp, G=grab):				Total Number of containers	
Email: rosemary.bier@gand.com		SSOW#: 12605516-2023-01		Sample Date:				Special Instructions/Note:	
Project Name: Ronton		Sample Time:		Sample Date:					
Site: P66 Ronton		Sample Time:		Sample Date:					
Sample Identification		Sample Time		Sample Date		Preservation Code			
WNA-422644-022023-LP-MW1		1215		02/22/23		G W			
12605516 - MW2		1255							
- MW3		1330							
- MW4		1405							
- MW6		1440							
- MW16		1555							
- MW13		1630							
Possible Hazard Identification		Sample Date		Sample Time		Matrix			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological									
Deliverable Requested I, II, III, IV, Other (specify)									
Empty Kit Relinquished by		Date		Time		Method of Shipment			
Relinquished by: Luca Piscitello		Date/Time: 02/22/2023		Company: GHD		Received by: [Signature]		Date/Time: 2/23/23	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time: 02/23/23	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks:		570-128738 Chain of Custody		23/23 SC11	



128738

Do not lift using this tag.

Part # 156297-495-11R0821 EXP 01/24

SHIP DATE: 22FEB23  
ACTWGT: 38.90 LB  
CAD: 6990555/SSF02401  
DIMS: 25x14x13 IN  
BILL THIRD PARTY

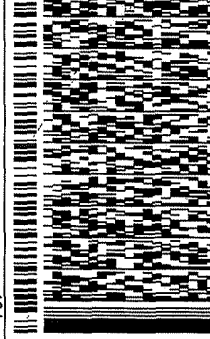
ORIGIN ID:OTS A (000) 000-0000  
CALSCIENCE ENVIRONMENTAL LAB  
STE 100  
2841 DOW AVE STE 100  
TUSTIN, CA 92780  
UNITED STATES US

TO

EUROFINS CALSCIENCE  
2841 DOW AVE

TUSTIN CA 92780

(714) 780-7960 REF:  
JNO: POI: DEPT:



THU - 23 FEB 10:30A  
PRIORITY OVERNIGHT

TRK# 3949 5101 5206  
0201

AHS  
92780  
CA-US SNA

92 DTTHA



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# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-128738-1

**Login Number: 128738**

**List Source: Eurofins Calscience**

**List Number: 1**

**Creator: Patel, Jayesh**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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	

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

Attn: Fabio Minervini  
GHD Services Inc.  
320 Goddard Way.  
Suite 200  
Irvine, California 92618  
Generated 3/6/2023 12:17:35 PM

**JOB DESCRIPTION**

P66 5228 (GWM) Renton Terminal / 12605516

**JOB NUMBER**

570-128919-1



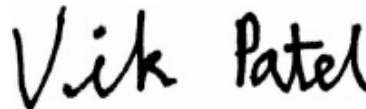
## Job Notes

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

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

## Authorization



Generated  
3/6/2023 12:17:35 PM

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



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# Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

## Qualifiers

### GC/MS VOA

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

### GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

## 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

# Case Narrative

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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## Job ID: 570-128919-1

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### Laboratory: Eurofins Calscience

#### Narrative

#### Job Narrative 570-128919-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/23/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7° C.

#### GC/MS VOA

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: WA-12605516-022223-LP-MW11 (570-128919-7), WA-12605516-022223-LP-MW8 (570-128919-8) and WA-12605516-022223-LP-DW2 (570-128919-9). Elevated reporting limits (RLs) are provided.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-307213. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with analytical batch 570-307591 were outside control limits: (570-128919-B-11 MS) and (570-128919-B-11 MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

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

#### GC VOA

Method NWTPH-Gx: Surrogate recovery for the following sample was outside control limits: WA-12605516-022223-LP-MW7 (570-128919-1). Evidence of matrix interference is present; 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.

#### GC Semi VOA

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

#### Organic Prep

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-308135. 8015B\_DRO. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

#### VOA Prep

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

# Detection Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

## Client Sample ID: WA-12605516-022223-LP-MW7

## Lab Sample ID: 570-128919-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2400		10	ug/L	20		8260C	Total/NA
m,p-Xylene	110		40	ug/L	20		8260C	Total/NA
Ethylbenzene	420		20	ug/L	20		8260C	Total/NA
Xylenes, Total	110		40	ug/L	20		8260C	Total/NA
TPH as Gasoline (C4-C13)	5200		100	ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	2.3		0.10	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

## Client Sample ID: WA-12605516-022223-LP-MW10

## Lab Sample ID: 570-128919-2

No Detections.

## Client Sample ID: WA-12605516-022223-LP-MW15

## Lab Sample ID: 570-128919-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		0.50	ug/L	1		8260C	Total/NA
TPH as Gasoline (C4-C13)	200		100	ug/L	1		NWTPH-Gx	Total/NA

## Client Sample ID: WA-12605516-022223-LP-D1R

## Lab Sample ID: 570-128919-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
TPH as Gasoline (C4-C13)	410		100	ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	0.14		0.10	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

## Client Sample ID: WA-12605516-022223-LP-LA114

## Lab Sample ID: 570-128919-5

No Detections.

## Client Sample ID: WA-12605516-022223-LP-MW12

## Lab Sample ID: 570-128919-6

No Detections.

## Client Sample ID: WA-12605516-022223-LP-MW11

## Lab Sample ID: 570-128919-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
TPH as Gasoline (C4-C13)	120		100	ug/L	1		NWTPH-Gx	Total/NA

## Client Sample ID: WA-12605516-022223-LP-MW8

## Lab Sample ID: 570-128919-8

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		2.0	ug/L	4		8260C	Total/NA
Toluene	4.5		4.0	ug/L	4		8260C	Total/NA
m,p-Xylene	43		8.0	ug/L	4		8260C	Total/NA
Xylenes, Total	43		8.0	ug/L	4		8260C	Total/NA
TPH as Gasoline (C4-C13)	800		100	ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	0.49		0.093	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

## Client Sample ID: WA-12605516-022223-LP-DW2

## Lab Sample ID: 570-128919-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		2.0	ug/L	4		8260C	Total/NA
TPH as Gasoline (C4-C13)	300		100	ug/L	1		NWTPH-Gx	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

# Detection Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

**Client Sample ID: WA-12605516-022223-LP-B6**

**Lab Sample ID: 570-128919-10**

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1700		10	ug/L	20		8260C	Total/NA
m,p-Xylene	150		40	ug/L	20		8260C	Total/NA
Ethylbenzene	190		20	ug/L	20		8260C	Total/NA
Xylenes, Total	150		40	ug/L	20		8260C	Total/NA
TPH as Gasoline (C4-C13)	3700		100	ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	1.3		0.10	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

**Client Sample ID: WA-12605516-022223-LP-B4**

**Lab Sample ID: 570-128919-11**

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	200	F1	2.5	ug/L	5		8260C	Total/NA
Toluene	19		5.0	ug/L	5		8260C	Total/NA
m,p-Xylene	380	F1	10	ug/L	5		8260C	Total/NA
Ethylbenzene	270	F1	5.0	ug/L	5		8260C	Total/NA
Xylenes, Total	380	F1	10	ug/L	5		8260C	Total/NA
TPH as Gasoline (C4-C13)	2300		100	ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	0.74		0.10	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

Euofins Calscience

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Client Sample ID: WA-12605516-022223-LP-MW7**

**Date Collected: 02/22/23 15:00**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>2400</b>		10	ug/L			02/27/23 12:21	20
Toluene	ND		20	ug/L			02/27/23 12:21	20
o-Xylene	ND		20	ug/L			02/27/23 12:21	20
<b>m,p-Xylene</b>	<b>110</b>		40	ug/L			02/27/23 12:21	20
<b>Ethylbenzene</b>	<b>420</b>		20	ug/L			02/27/23 12:21	20
<b>Xylenes, Total</b>	<b>110</b>		40	ug/L			02/27/23 12:21	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	97		70 - 123		02/27/23 12:21	20
<i>4-Bromofluorobenzene (Surr)</i>	97		80 - 120		02/27/23 12:21	20
<i>Dibromofluoromethane (Surr)</i>	96		78 - 120		02/27/23 12:21	20
<i>Toluene-d8 (Surr)</i>	99		80 - 120		02/27/23 12:21	20

**Client Sample ID: WA-12605516-022223-LP-MW10**

**Date Collected: 02/22/23 09:00**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/27/23 12:43	1
Toluene	ND		1.0	ug/L			02/27/23 12:43	1
o-Xylene	ND		1.0	ug/L			02/27/23 12:43	1
m,p-Xylene	ND		2.0	ug/L			02/27/23 12:43	1
Ethylbenzene	ND		1.0	ug/L			02/27/23 12:43	1
Xylenes, Total	ND		2.0	ug/L			02/27/23 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	100		70 - 123		02/27/23 12:43	1
<i>4-Bromofluorobenzene (Surr)</i>	96		80 - 120		02/27/23 12:43	1
<i>Dibromofluoromethane (Surr)</i>	96		78 - 120		02/27/23 12:43	1
<i>Toluene-d8 (Surr)</i>	99		80 - 120		02/27/23 12:43	1

**Client Sample ID: WA-12605516-022223-LP-MW15**

**Date Collected: 02/22/23 13:15**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>21</b>		0.50	ug/L			02/27/23 13:06	1
Toluene	ND		1.0	ug/L			02/27/23 13:06	1
o-Xylene	ND		1.0	ug/L			02/27/23 13:06	1
m,p-Xylene	ND		2.0	ug/L			02/27/23 13:06	1
Ethylbenzene	ND		1.0	ug/L			02/27/23 13:06	1
Xylenes, Total	ND		2.0	ug/L			02/27/23 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	99		70 - 123		02/27/23 13:06	1
<i>4-Bromofluorobenzene (Surr)</i>	97		80 - 120		02/27/23 13:06	1
<i>Dibromofluoromethane (Surr)</i>	98		78 - 120		02/27/23 13:06	1
<i>Toluene-d8 (Surr)</i>	99		80 - 120		02/27/23 13:06	1

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Client Sample ID: WA-12605516-022223-LP-D1R**

**Date Collected: 02/22/23 10:05**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-4**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L	-		02/27/23 13:28	1
Toluene	ND		1.0	ug/L	-		02/27/23 13:28	1
o-Xylene	ND		1.0	ug/L	-		02/27/23 13:28	1
m,p-Xylene	ND		2.0	ug/L	-		02/27/23 13:28	1
Ethylbenzene	ND		1.0	ug/L	-		02/27/23 13:28	1
Xylenes, Total	ND		2.0	ug/L	-		02/27/23 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 123		02/27/23 13:28	1
4-Bromofluorobenzene (Surr)	98		80 - 120		02/27/23 13:28	1
Dibromofluoromethane (Surr)	97		78 - 120		02/27/23 13:28	1
Toluene-d8 (Surr)	98		80 - 120		02/27/23 13:28	1

**Client Sample ID: WA-12605516-022223-LP-LA114**

**Date Collected: 02/22/23 11:45**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-5**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L	-		02/27/23 13:50	1
Toluene	ND		1.0	ug/L	-		02/27/23 13:50	1
o-Xylene	ND		1.0	ug/L	-		02/27/23 13:50	1
m,p-Xylene	ND		2.0	ug/L	-		02/27/23 13:50	1
Ethylbenzene	ND		1.0	ug/L	-		02/27/23 13:50	1
Xylenes, Total	ND		2.0	ug/L	-		02/27/23 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 123		02/27/23 13:50	1
4-Bromofluorobenzene (Surr)	95		80 - 120		02/27/23 13:50	1
Dibromofluoromethane (Surr)	96		78 - 120		02/27/23 13:50	1
Toluene-d8 (Surr)	97		80 - 120		02/27/23 13:50	1

**Client Sample ID: WA-12605516-022223-LP-MW12**

**Date Collected: 02/22/23 13:20**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-6**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L	-		02/27/23 14:13	1
Toluene	ND		1.0	ug/L	-		02/27/23 14:13	1
o-Xylene	ND		1.0	ug/L	-		02/27/23 14:13	1
m,p-Xylene	ND		2.0	ug/L	-		02/27/23 14:13	1
Ethylbenzene	ND		1.0	ug/L	-		02/27/23 14:13	1
Xylenes, Total	ND		2.0	ug/L	-		02/27/23 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 123		02/27/23 14:13	1
4-Bromofluorobenzene (Surr)	96		80 - 120		02/27/23 14:13	1
Dibromofluoromethane (Surr)	98		78 - 120		02/27/23 14:13	1
Toluene-d8 (Surr)	98		80 - 120		02/27/23 14:13	1



# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Client Sample ID: WA-12605516-022223-LP-MW11**

**Date Collected: 02/22/23 14:00**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-7**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			02/27/23 14:35	2
Toluene	ND		2.0	ug/L			02/27/23 14:35	2
o-Xylene	ND		2.0	ug/L			02/27/23 14:35	2
m,p-Xylene	ND		4.0	ug/L			02/27/23 14:35	2
Ethylbenzene	ND		2.0	ug/L			02/27/23 14:35	2
Xylenes, Total	ND		4.0	ug/L			02/27/23 14:35	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 123		02/27/23 14:35	2
4-Bromofluorobenzene (Surr)	99		80 - 120		02/27/23 14:35	2
Dibromofluoromethane (Surr)	98		78 - 120		02/27/23 14:35	2
Toluene-d8 (Surr)	99		80 - 120		02/27/23 14:35	2

**Client Sample ID: WA-12605516-022223-LP-MW8**

**Date Collected: 02/22/23 12:25**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-8**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>160</b>		2.0	ug/L			02/27/23 14:57	4
<b>Toluene</b>	<b>4.5</b>		4.0	ug/L			02/27/23 14:57	4
o-Xylene	ND		4.0	ug/L			02/27/23 14:57	4
<b>m,p-Xylene</b>	<b>43</b>		8.0	ug/L			02/27/23 14:57	4
Ethylbenzene	ND		4.0	ug/L			02/27/23 14:57	4
<b>Xylenes, Total</b>	<b>43</b>		8.0	ug/L			02/27/23 14:57	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 123		02/27/23 14:57	4
4-Bromofluorobenzene (Surr)	99		80 - 120		02/27/23 14:57	4
Dibromofluoromethane (Surr)	97		78 - 120		02/27/23 14:57	4
Toluene-d8 (Surr)	99		80 - 120		02/27/23 14:57	4

**Client Sample ID: WA-12605516-022223-LP-DW2**

**Date Collected: 02/22/23 11:50**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-9**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>120</b>		2.0	ug/L			02/27/23 15:20	4
Toluene	ND		4.0	ug/L			02/27/23 15:20	4
o-Xylene	ND		4.0	ug/L			02/27/23 15:20	4
m,p-Xylene	ND		8.0	ug/L			02/27/23 15:20	4
Ethylbenzene	ND		4.0	ug/L			02/27/23 15:20	4
Xylenes, Total	ND		8.0	ug/L			02/27/23 15:20	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 123		02/27/23 15:20	4
4-Bromofluorobenzene (Surr)	97		80 - 120		02/27/23 15:20	4
Dibromofluoromethane (Surr)	96		78 - 120		02/27/23 15:20	4
Toluene-d8 (Surr)	99		80 - 120		02/27/23 15:20	4

# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Client Sample ID: WA-12605516-022223-LP-B6**

**Date Collected: 02/22/23 11:05**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-10**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>1700</b>		10	ug/L			02/27/23 15:42	20
Toluene	ND		20	ug/L			02/27/23 15:42	20
o-Xylene	ND		20	ug/L			02/27/23 15:42	20
<b>m,p-Xylene</b>	<b>150</b>		40	ug/L			02/27/23 15:42	20
<b>Ethylbenzene</b>	<b>190</b>		20	ug/L			02/27/23 15:42	20
<b>Xylenes, Total</b>	<b>150</b>		40	ug/L			02/27/23 15:42	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 123		02/27/23 15:42	20
4-Bromofluorobenzene (Surr)	95		80 - 120		02/27/23 15:42	20
Dibromofluoromethane (Surr)	99		78 - 120		02/27/23 15:42	20
Toluene-d8 (Surr)	100		80 - 120		02/27/23 15:42	20

**Client Sample ID: WA-12605516-022223-LP-B4**

**Date Collected: 02/22/23 10:15**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-11**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>200</b>	<b>F1</b>	2.5	ug/L			02/28/23 15:59	5
<b>Toluene</b>	<b>19</b>		5.0	ug/L			02/28/23 15:59	5
o-Xylene	ND		5.0	ug/L			02/28/23 15:59	5
<b>m,p-Xylene</b>	<b>380</b>	<b>F1</b>	10	ug/L			02/28/23 15:59	5
<b>Ethylbenzene</b>	<b>270</b>	<b>F1</b>	5.0	ug/L			02/28/23 15:59	5
<b>Xylenes, Total</b>	<b>380</b>	<b>F1</b>	10	ug/L			02/28/23 15:59	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 123		02/28/23 15:59	5
4-Bromofluorobenzene (Surr)	98		80 - 120		02/28/23 15:59	5
Dibromofluoromethane (Surr)	94		78 - 120		02/28/23 15:59	5
Toluene-d8 (Surr)	101		80 - 120		02/28/23 15:59	5

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Client Sample ID: WA-12605516-022223-LP-MW7**

**Date Collected: 02/22/23 15:00**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	5200		100	ug/L	-		02/27/23 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	205	S1+	50 - 150				02/27/23 18:48	1

**Client Sample ID: WA-12605516-022223-LP-MW10**

**Date Collected: 02/22/23 09:00**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		02/27/23 15:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		50 - 150				02/27/23 15:15	1

**Client Sample ID: WA-12605516-022223-LP-MW15**

**Date Collected: 02/22/23 13:15**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	200		100	ug/L	-		02/27/23 15:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		50 - 150				02/27/23 15:39	1

**Client Sample ID: WA-12605516-022223-LP-D1R**

**Date Collected: 02/22/23 10:05**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-4**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	410		100	ug/L	-		02/27/23 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150				02/27/23 16:02	1

**Client Sample ID: WA-12605516-022223-LP-LA114**

**Date Collected: 02/22/23 11:45**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-5**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		02/27/23 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		50 - 150				02/27/23 16:26	1

**Client Sample ID: WA-12605516-022223-LP-MW12**

**Date Collected: 02/22/23 13:20**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-6**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		02/27/23 16:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64		50 - 150				02/27/23 16:49	1

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# Client Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Client Sample ID: WA-12605516-022223-LP-MW11**

**Date Collected: 02/22/23 14:00**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-7**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	120		100	ug/L			02/27/23 17:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		50 - 150				02/27/23 17:13	1

**Client Sample ID: WA-12605516-022223-LP-MW8**

**Date Collected: 02/22/23 12:25**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-8**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	800		100	ug/L			02/27/23 17:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		50 - 150				02/27/23 17:36	1

**Client Sample ID: WA-12605516-022223-LP-DW2**

**Date Collected: 02/22/23 11:50**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-9**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	300		100	ug/L			02/27/23 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		50 - 150				02/27/23 18:00	1

**Client Sample ID: WA-12605516-022223-LP-B6**

**Date Collected: 02/22/23 11:05**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-10**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	3700		100	ug/L			02/27/23 18:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		50 - 150				02/27/23 18:23	1

**Client Sample ID: WA-12605516-022223-LP-B4**

**Date Collected: 02/22/23 10:15**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-11**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	2300		100	ug/L			02/27/23 20:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		50 - 150				02/27/23 20:46	1

# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Client Sample ID: WA-12605516-022223-LP-MW7**

**Date Collected: 02/22/23 15:00**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	2.3		0.10	mg/L		03/01/23 17:52	03/03/23 07:47	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 07:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	95		50 - 150			03/01/23 17:52	03/03/23 07:47	1

**Client Sample ID: WA-12605516-022223-LP-MW10**

**Date Collected: 02/22/23 09:00**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 08:08	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 08:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	112		50 - 150			03/01/23 17:52	03/03/23 08:08	1

**Client Sample ID: WA-12605516-022223-LP-MW15**

**Date Collected: 02/22/23 13:15**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-3**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 08:30	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 08:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	114		50 - 150			03/01/23 17:52	03/03/23 08:30	1

**Client Sample ID: WA-12605516-022223-LP-D1R**

**Date Collected: 02/22/23 10:05**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-4**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.14		0.10	mg/L		03/01/23 17:52	03/03/23 08:51	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 08:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	108		50 - 150			03/01/23 17:52	03/03/23 08:51	1

**Client Sample ID: WA-12605516-022223-LP-LA114**

**Date Collected: 02/22/23 11:45**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-5**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 09:12	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 09:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	117		50 - 150			03/01/23 17:52	03/03/23 09:12	1

**Client Sample ID: WA-12605516-022223-LP-MW12**

**Date Collected: 02/22/23 13:20**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-6**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.093	mg/L		03/01/23 17:52	03/03/23 09:33	1

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# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Client Sample ID: WA-12605516-022223-LP-MW12**

**Date Collected: 02/22/23 13:20**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-6**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil Range	ND		0.093	mg/L		03/01/23 17:52	03/03/23 09:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	112		50 - 150			03/01/23 17:52	03/03/23 09:33	1

**Client Sample ID: WA-12605516-022223-LP-MW11**

**Date Collected: 02/22/23 14:00**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-7**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.11	mg/L		03/01/23 17:52	03/03/23 09:54	1
TPH as Motor Oil Range	ND		0.11	mg/L		03/01/23 17:52	03/03/23 09:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	93		50 - 150			03/01/23 17:52	03/03/23 09:54	1

**Client Sample ID: WA-12605516-022223-LP-MW8**

**Date Collected: 02/22/23 12:25**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-8**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.49		0.093	mg/L		03/01/23 17:52	03/03/23 10:16	1
TPH as Motor Oil Range	ND		0.093	mg/L		03/01/23 17:52	03/03/23 10:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	111		50 - 150			03/01/23 17:52	03/03/23 10:16	1

**Client Sample ID: WA-12605516-022223-LP-DW2**

**Date Collected: 02/22/23 11:50**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-9**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 10:37	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 10:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	107		50 - 150			03/01/23 17:52	03/03/23 10:37	1

**Client Sample ID: WA-12605516-022223-LP-B6**

**Date Collected: 02/22/23 11:05**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-10**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	1.3		0.10	mg/L		03/01/23 17:52	03/03/23 10:58	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 10:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	106		50 - 150			03/01/23 17:52	03/03/23 10:58	1

**Client Sample ID: WA-12605516-022223-LP-B4**

**Date Collected: 02/22/23 10:15**

**Date Received: 02/23/23 09:45**

**Lab Sample ID: 570-128919-11**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.74		0.10	mg/L		03/01/23 17:52	03/03/23 11:19	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 11:19	1

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# Client Sample Results

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
<i>n-Octacosane (Surr)</i>	120		50 - 150	03/01/23 17:52	03/03/23 11:19	1

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# Surrogate Summary

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-128919-1	WA-12605516-022223-LP-MW7	97	97	96	99
570-128919-2	WA-12605516-022223-LP-MW10	100	96	96	99
570-128919-3	WA-12605516-022223-LP-MW15	99	97	98	99
570-128919-4	WA-12605516-022223-LP-D1R	98	98	97	98
570-128919-5	WA-12605516-022223-LP-LA14	98	95	96	97
570-128919-6	WA-12605516-022223-LP-MW12	98	96	98	98
570-128919-7	WA-12605516-022223-LP-MW11	99	99	98	99
570-128919-8	WA-12605516-022223-LP-MW8	99	99	97	99
570-128919-9	WA-12605516-022223-LP-DW2	99	97	96	99
570-128919-10	WA-12605516-022223-LP-B6	98	95	99	100
570-128919-11	WA-12605516-022223-LP-B4	88	98	94	101
570-128919-11 MS	WA-12605516-022223-LP-B4	89	98	96	100
570-128919-11 MSD	WA-12605516-022223-LP-B4	93	98	96	100
LCS 570-307213/4	Lab Control Sample	97	99	96	99
LCS 570-307591/4	Lab Control Sample	93	98	94	99
LCSD 570-307213/5	Lab Control Sample Dup	99	98	96	100
LCSD 570-307591/5	Lab Control Sample Dup	94	99	94	99
MB 570-307213/8	Method Blank	96	97	96	98
MB 570-307591/9	Method Blank	90	97	94	100

### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-128919-1	WA-12605516-022223-LP-MW7	205 S1+
570-128919-2	WA-12605516-022223-LP-MW10	72
570-128919-2 MS	WA-12605516-022223-LP-MW10	95
570-128919-2 MSD	WA-12605516-022223-LP-MW10	92
570-128919-3	WA-12605516-022223-LP-MW15	83
570-128919-4	WA-12605516-022223-LP-D1R	87
570-128919-5	WA-12605516-022223-LP-LA14	68
570-128919-6	WA-12605516-022223-LP-MW12	64



# Surrogate Summary

Client: GHD Services Inc.

Job ID: 570-128919-1

Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (50-150)
570-128919-7	WA-12605516-022223-LP-MW1	68
570-128919-8	WA-12605516-022223-LP-MW 8	110
570-128919-9	WA-12605516-022223-LP-DW 2	79
570-128919-10	WA-12605516-022223-LP-B6	95
570-128919-11	WA-12605516-022223-LP-B4	109
LCS 570-307423/4	Lab Control Sample	93
LCS 570-307423/5	Lab Control Sample Dup	77
MB 570-307423/6	Method Blank	67

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Silica Gel Cleanup

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN (50-150)
570-128919-1	WA-12605516-022223-LP-MW7	95
570-128919-2	WA-12605516-022223-LP-MW 10	112
570-128919-3	WA-12605516-022223-LP-MW 15	114
570-128919-4	WA-12605516-022223-LP-D1R	108
570-128919-5	WA-12605516-022223-LP-LA1 14	117
570-128919-6	WA-12605516-022223-LP-MW 12	112
570-128919-7	WA-12605516-022223-LP-MW 11	93
570-128919-8	WA-12605516-022223-LP-MW 8	111
570-128919-9	WA-12605516-022223-LP-DW 2	107
570-128919-10	WA-12605516-022223-LP-B6	106
570-128919-11	WA-12605516-022223-LP-B4	120

#### Surrogate Legend

OTCSN = n-Octacosane (Surr)

# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Lab Sample ID: MB 570-307213/8**  
**Matrix: Water**  
**Analysis Batch: 307213**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/27/23 10:52	1
Toluene	ND		1.0	ug/L			02/27/23 10:52	1
o-Xylene	ND		1.0	ug/L			02/27/23 10:52	1
m,p-Xylene	ND		2.0	ug/L			02/27/23 10:52	1
Ethylbenzene	ND		1.0	ug/L			02/27/23 10:52	1
Xylenes, Total	ND		2.0	ug/L			02/27/23 10:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 123		02/27/23 10:52	1
4-Bromofluorobenzene (Surr)	97		80 - 120		02/27/23 10:52	1
Dibromofluoromethane (Surr)	96		78 - 120		02/27/23 10:52	1
Toluene-d8 (Surr)	98		80 - 120		02/27/23 10:52	1

**Lab Sample ID: LCS 570-307213/4**  
**Matrix: Water**  
**Analysis Batch: 307213**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	19.86		ug/L		99	80 - 121
Toluene	20.0	21.13		ug/L		106	80 - 120
o-Xylene	20.0	20.80		ug/L		104	80 - 122
m,p-Xylene	40.0	41.23		ug/L		103	80 - 123
Ethylbenzene	20.0	20.98		ug/L		105	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 123
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	96		78 - 120
Toluene-d8 (Surr)	99		80 - 120

**Lab Sample ID: LCSD 570-307213/5**  
**Matrix: Water**  
**Analysis Batch: 307213**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	19.72		ug/L		99	80 - 121	1	20
Toluene	20.0	20.43		ug/L		102	80 - 120	3	20
o-Xylene	20.0	20.45		ug/L		102	80 - 122	2	20
m,p-Xylene	40.0	41.39		ug/L		103	80 - 123	0	20
Ethylbenzene	20.0	20.90		ug/L		104	80 - 121	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 123
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	96		78 - 120
Toluene-d8 (Surr)	100		80 - 120

# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Lab Sample ID: MB 570-307591/9**  
**Matrix: Water**  
**Analysis Batch: 307591**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/28/23 12:34	1
Toluene	ND		1.0	ug/L			02/28/23 12:34	1
o-Xylene	ND		1.0	ug/L			02/28/23 12:34	1
m,p-Xylene	ND		2.0	ug/L			02/28/23 12:34	1
Ethylbenzene	ND		1.0	ug/L			02/28/23 12:34	1
Xylenes, Total	ND		2.0	ug/L			02/28/23 12:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 123		02/28/23 12:34	1
4-Bromofluorobenzene (Surr)	97		80 - 120		02/28/23 12:34	1
Dibromofluoromethane (Surr)	94		78 - 120		02/28/23 12:34	1
Toluene-d8 (Surr)	100		80 - 120		02/28/23 12:34	1

**Lab Sample ID: LCS 570-307591/4**  
**Matrix: Water**  
**Analysis Batch: 307591**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	18.86		ug/L		94	80 - 121
Toluene	20.0	19.71		ug/L		99	80 - 120
o-Xylene	20.0	20.48		ug/L		102	80 - 122
m,p-Xylene	40.0	39.52		ug/L		99	80 - 123
Ethylbenzene	20.0	19.41		ug/L		97	80 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 123
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	94		78 - 120
Toluene-d8 (Surr)	99		80 - 120

**Lab Sample ID: LCSD 570-307591/5**  
**Matrix: Water**  
**Analysis Batch: 307591**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	19.29		ug/L		96	80 - 121	2	20
Toluene	20.0	20.29		ug/L		101	80 - 120	3	20
o-Xylene	20.0	20.78		ug/L		104	80 - 122	1	20
m,p-Xylene	40.0	40.10		ug/L		100	80 - 123	1	20
Ethylbenzene	20.0	19.88		ug/L		99	80 - 121	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 123
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	94		78 - 120
Toluene-d8 (Surr)	99		80 - 120

# QC Sample Results

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Lab Sample ID: 570-128919-11 MS**  
**Matrix: Water**  
**Analysis Batch: 307591**

**Client Sample ID: WA-12605516-022223-LP-B4**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Benzene	200	F1	100	209.3	F1	ug/L		13	75 - 125
Toluene	19		100	110.7		ug/L		92	75 - 125
o-Xylene	ND		100	105.6		ug/L		102	75 - 128
m,p-Xylene	380	F1	200	410.3	F1	ug/L		15	75 - 128
Ethylbenzene	270	F1	100	249.7	F1	ug/L		-19	75 - 127

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	89		70 - 123
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	96		78 - 120
Toluene-d8 (Surr)	100		80 - 120

**Lab Sample ID: 570-128919-11 MSD**  
**Matrix: Water**  
**Analysis Batch: 307591**

**Client Sample ID: WA-12605516-022223-LP-B4**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Benzene	200	F1	100	206.1	F1	ug/L		10	75 - 125	2	20
Toluene	19		100	108.6		ug/L		90	75 - 125	2	20
o-Xylene	ND		100	103.7		ug/L		101	75 - 128	2	20
m,p-Xylene	380	F1	200	408.9	F1	ug/L		14	75 - 128	0	20
Ethylbenzene	270	F1	100	247.3	F1	ug/L		-22	75 - 127	1	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		70 - 123
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	96		78 - 120
Toluene-d8 (Surr)	100		80 - 120

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

**Lab Sample ID: MB 570-307423/6**  
**Matrix: Water**  
**Analysis Batch: 307423**

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/27/23 14:02	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	67		50 - 150		02/27/23 14:02	1

**Lab Sample ID: LCS 570-307423/4**  
**Matrix: Water**  
**Analysis Batch: 307423**

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				
TPH as Gasoline (C4-C13)	1920	2277		ug/L		118	76 - 128

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# QC Sample Results

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

**Lab Sample ID: LCS 570-307423/4**  
**Matrix: Water**  
**Analysis Batch: 307423**

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

	<i>LCS</i>	<i>LCS</i>	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	93		50 - 150

**Lab Sample ID: LCSD 570-307423/5**  
**Matrix: Water**  
**Analysis Batch: 307423**

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

	<i>LCS</i>	<i>LCS</i>		<i>LCS</i>	<i>LCS</i>		<i>%Rec</i>		<i>RPD</i>		<i>RPD</i>
<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>	<i>RPD</i>	<i>Limit</i>			
TPH as Gasoline (C4-C13)	1920		ug/L		120	76 - 128	1	10			

	<i>LCSD</i>	<i>LCSD</i>	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	77		50 - 150

**Lab Sample ID: 570-128919-2 MS**  
**Matrix: Water**  
**Analysis Batch: 307423**

**Client Sample ID: WA-12605516-022223-LP-MW10**  
**Prep Type: Total/NA**

	<i>Sample</i>	<i>Sample</i>		<i>MS</i>	<i>MS</i>		<i>%Rec</i>		<i>RPD</i>		
<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>Spike</i>	<i>Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>	<i>RPD</i>	<i>Limit</i>
TPH as Gasoline (C4-C13)	ND		1920	2246		ug/L		114	69 - 132		

	<i>MS</i>	<i>MS</i>	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	95		50 - 150

**Lab Sample ID: 570-128919-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 307423**

**Client Sample ID: WA-12605516-022223-LP-MW10**  
**Prep Type: Total/NA**

	<i>Sample</i>	<i>Sample</i>		<i>MSD</i>	<i>MSD</i>		<i>%Rec</i>		<i>RPD</i>		
<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>Spike</i>	<i>Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>	<i>RPD</i>	<i>Limit</i>
TPH as Gasoline (C4-C13)	ND		1920	2211		ug/L		112	69 - 132	2	15

	<i>MSD</i>	<i>MSD</i>	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	92		50 - 150

# QC Association Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

## GC/MS VOA

### Analysis Batch: 307213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128919-1	WA-12605516-022223-LP-MW7	Total/NA	Water	8260C	
570-128919-2	WA-12605516-022223-LP-MW10	Total/NA	Water	8260C	
570-128919-3	WA-12605516-022223-LP-MW15	Total/NA	Water	8260C	
570-128919-4	WA-12605516-022223-LP-D1R	Total/NA	Water	8260C	
570-128919-5	WA-12605516-022223-LP-LA114	Total/NA	Water	8260C	
570-128919-6	WA-12605516-022223-LP-MW12	Total/NA	Water	8260C	
570-128919-7	WA-12605516-022223-LP-MW11	Total/NA	Water	8260C	
570-128919-8	WA-12605516-022223-LP-MW8	Total/NA	Water	8260C	
570-128919-9	WA-12605516-022223-LP-DW2	Total/NA	Water	8260C	
570-128919-10	WA-12605516-022223-LP-B6	Total/NA	Water	8260C	
MB 570-307213/8	Method Blank	Total/NA	Water	8260C	
LCS 570-307213/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-307213/5	Lab Control Sample Dup	Total/NA	Water	8260C	

### Analysis Batch: 307591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128919-11	WA-12605516-022223-LP-B4	Total/NA	Water	8260C	
MB 570-307591/9	Method Blank	Total/NA	Water	8260C	
LCS 570-307591/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-307591/5	Lab Control Sample Dup	Total/NA	Water	8260C	
570-128919-11 MS	WA-12605516-022223-LP-B4	Total/NA	Water	8260C	
570-128919-11 MSD	WA-12605516-022223-LP-B4	Total/NA	Water	8260C	

## GC VOA

### Analysis Batch: 307423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128919-1	WA-12605516-022223-LP-MW7	Total/NA	Water	NWTPH-Gx	
570-128919-2	WA-12605516-022223-LP-MW10	Total/NA	Water	NWTPH-Gx	
570-128919-3	WA-12605516-022223-LP-MW15	Total/NA	Water	NWTPH-Gx	
570-128919-4	WA-12605516-022223-LP-D1R	Total/NA	Water	NWTPH-Gx	
570-128919-5	WA-12605516-022223-LP-LA114	Total/NA	Water	NWTPH-Gx	
570-128919-6	WA-12605516-022223-LP-MW12	Total/NA	Water	NWTPH-Gx	
570-128919-7	WA-12605516-022223-LP-MW11	Total/NA	Water	NWTPH-Gx	
570-128919-8	WA-12605516-022223-LP-MW8	Total/NA	Water	NWTPH-Gx	
570-128919-9	WA-12605516-022223-LP-DW2	Total/NA	Water	NWTPH-Gx	
570-128919-10	WA-12605516-022223-LP-B6	Total/NA	Water	NWTPH-Gx	
570-128919-11	WA-12605516-022223-LP-B4	Total/NA	Water	NWTPH-Gx	
MB 570-307423/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-307423/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-307423/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-128919-2 MS	WA-12605516-022223-LP-MW10	Total/NA	Water	NWTPH-Gx	
570-128919-2 MSD	WA-12605516-022223-LP-MW10	Total/NA	Water	NWTPH-Gx	

## GC Semi VOA

### Prep Batch: 308135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128919-1	WA-12605516-022223-LP-MW7	Silica Gel Cleanup	Water	3510C SGC	
570-128919-2	WA-12605516-022223-LP-MW10	Silica Gel Cleanup	Water	3510C SGC	
570-128919-3	WA-12605516-022223-LP-MW15	Silica Gel Cleanup	Water	3510C SGC	
570-128919-4	WA-12605516-022223-LP-D1R	Silica Gel Cleanup	Water	3510C SGC	

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# QC Association Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

## GC Semi VOA (Continued)

### Prep Batch: 308135 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128919-5	WA-12605516-022223-LP-LA114	Silica Gel Cleanup	Water	3510C SGC	
570-128919-6	WA-12605516-022223-LP-MW12	Silica Gel Cleanup	Water	3510C SGC	
570-128919-7	WA-12605516-022223-LP-MW11	Silica Gel Cleanup	Water	3510C SGC	
570-128919-8	WA-12605516-022223-LP-MW8	Silica Gel Cleanup	Water	3510C SGC	
570-128919-9	WA-12605516-022223-LP-DW2	Silica Gel Cleanup	Water	3510C SGC	
570-128919-10	WA-12605516-022223-LP-B6	Silica Gel Cleanup	Water	3510C SGC	
570-128919-11	WA-12605516-022223-LP-B4	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 308577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128919-1	WA-12605516-022223-LP-MW7	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128919-2	WA-12605516-022223-LP-MW10	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128919-3	WA-12605516-022223-LP-MW15	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128919-4	WA-12605516-022223-LP-D1R	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128919-5	WA-12605516-022223-LP-LA114	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128919-6	WA-12605516-022223-LP-MW12	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128919-7	WA-12605516-022223-LP-MW11	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128919-8	WA-12605516-022223-LP-MW8	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128919-9	WA-12605516-022223-LP-DW2	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128919-10	WA-12605516-022223-LP-B6	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-128919-11	WA-12605516-022223-LP-B4	Silica Gel Cleanup	Water	NWTPH-Dx	308135

# Lab Chronicle

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

**Client Sample ID: WA-12605516-022223-LP-MW7**

**Lab Sample ID: 570-128919-1**

**Date Collected: 02/22/23 15:00**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	5 mL	5 mL	307213	02/27/23 12:21	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 18:48	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			250.8 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 07:47	SP9M	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: WA-12605516-022223-LP-MW10**

**Lab Sample ID: 570-128919-2**

**Date Collected: 02/22/23 09:00**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	307213	02/27/23 12:43	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 15:15	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			248.7 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 08:08	SP9M	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: WA-12605516-022223-LP-MW15**

**Lab Sample ID: 570-128919-3**

**Date Collected: 02/22/23 13:15**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	307213	02/27/23 13:06	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 15:39	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			246 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 08:30	SP9M	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: WA-12605516-022223-LP-D1R**

**Lab Sample ID: 570-128919-4**

**Date Collected: 02/22/23 10:05**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	307213	02/27/23 13:28	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 16:02	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			245.6 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 08:51	SP9M	EET CAL 4
Instrument ID: GC48										

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# Lab Chronicle

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

**Client Sample ID: WA-12605516-022223-LP-LA114**

**Lab Sample ID: 570-128919-5**

**Date Collected: 02/22/23 11:45**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	307213	02/27/23 13:50	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 16:26	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			249.3 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 09:12	SP9M	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: WA-12605516-022223-LP-MW12**

**Lab Sample ID: 570-128919-6**

**Date Collected: 02/22/23 13:20**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	307213	02/27/23 14:13	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 16:49	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			268.7 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 09:33	SP9M	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: WA-12605516-022223-LP-MW11**

**Lab Sample ID: 570-128919-7**

**Date Collected: 02/22/23 14:00**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	5 mL	5 mL	307213	02/27/23 14:35	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 17:13	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			233.1 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 09:54	SP9M	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: WA-12605516-022223-LP-MW8**

**Lab Sample ID: 570-128919-8**

**Date Collected: 02/22/23 12:25**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	5 mL	5 mL	307213	02/27/23 14:57	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 17:36	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			268.6 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 10:16	SP9M	EET CAL 4
Instrument ID: GC48										

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# Lab Chronicle

Client: GHD Services Inc.  
 Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

**Client Sample ID: WA-12605516-022223-LP-DW2**

**Lab Sample ID: 570-128919-9**

**Date Collected: 02/22/23 11:50**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	5 mL	5 mL	307213	02/27/23 15:20	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 18:00	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			239.1 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 10:37	SP9M	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: WA-12605516-022223-LP-B6**

**Lab Sample ID: 570-128919-10**

**Date Collected: 02/22/23 11:05**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	5 mL	5 mL	307213	02/27/23 15:42	OH1	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 18:23	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			249.6 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 10:58	SP9M	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: WA-12605516-022223-LP-B4**

**Lab Sample ID: 570-128919-11**

**Date Collected: 02/22/23 10:15**

**Matrix: Water**

**Date Received: 02/23/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	307591	02/28/23 15:59	KHF2	EET CAL 4
Instrument ID: GCMSOO										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	307423	02/27/23 20:46	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			241.1 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 11:19	SP9M	EET CAL 4
Instrument ID: GC48										

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

## Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C916-18	10-11-23

- 1
- 2
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# Method Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

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

#### Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

#### Laboratory References:

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



# Sample Summary

Client: GHD Services Inc.  
Project/Site: P66 5228 (GWM) Renton Terminal / 12605516

Job ID: 570-128919-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-128919-1	WA-12605516-022223-LP-MW7	Water	02/22/23 15:00	02/23/23 09:45
570-128919-2	WA-12605516-022223-LP-MW10	Water	02/22/23 09:00	02/23/23 09:45
570-128919-3	WA-12605516-022223-LP-MW15	Water	02/22/23 13:15	02/23/23 09:45
570-128919-4	WA-12605516-022223-LP-D1R	Water	02/22/23 10:05	02/23/23 09:45
570-128919-5	WA-12605516-022223-LP-LA114	Water	02/22/23 11:45	02/23/23 09:45
570-128919-6	WA-12605516-022223-LP-MW12	Water	02/22/23 13:20	02/23/23 09:45
570-128919-7	WA-12605516-022223-LP-MW11	Water	02/22/23 14:00	02/23/23 09:45
570-128919-8	WA-12605516-022223-LP-MW8	Water	02/22/23 12:25	02/23/23 09:45
570-128919-9	WA-12605516-022223-LP-DW2	Water	02/22/23 11:50	02/23/23 09:45
570-128919-10	WA-12605516-022223-LP-B6	Water	02/22/23 11:05	02/23/23 09:45
570-128919-11	WA-12605516-022223-LP-B4	Water	02/22/23 10:15	02/23/23 09:45

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128919

**Chain of Custody Record**

<b>Client Information</b>		Sampler: Luca Piscitello		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		Address: 9725 3rd Ave NE, Ste 204		City: Seattle		Job #:							
State, Zip: WA, 98115		Phone: 206-802-1595		PO #: 12605516-2023-03		Preservation Codes:							
Email: rosemary.bier@ghd.com		Project Name: Renton		Project #: 12605516		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 Other:							
Site: 166 Renton		Due Date Requested: Standard		TAT Requested (days):		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)							
<b>Sample Identification</b>		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=soil, BT=tissue, A=air)		Special Instructions/Note:			
WA-12605516-02223-LP-MW7		8/2/23		1500		G		W		Total Number of containers			
- MW10				0900									
- MW15				1315									
- DIR				1005									
- LA114				1145									
- MW12				1320									
- MW11				1400									
- MW8				1225									
- DW2				1150									
- B6				1105									
- B4				1015									
<b>Possible Hazard Identification</b>		<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B		<input type="checkbox"/> Unknown		<input type="checkbox"/> Radiological	
Deliverable Requested I, II, III, IV, Other (specify)													
<b>Empty Kit Relinquished by:</b>		Date		Time		Method of Shipment		Return To Client		Disposal By Lab		Archive For	
Relinquished by: Luca Piscitello		Date: 8/2/23		Time: 1730		Company: GHD		Received by: [Signature]		Date/Time: 2/23/23		Company: [Signature]	
Relinquished by:		Date/Time:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 27/27 JCU									



128919



570-128919 Waybill

ORIGIN ID:DTSA (000) 000-0000  
CALSCIENCE ENVIRONMENTAL LAB  
STE 100  
2841 DOW AVE STE 100  
TUSTIN, CA 92780  
UNITED STATES US

SHIP DATE: 22FEB23  
ACTWT: 49.55 LB  
CAD: 6990555/SSF02401  
DIMS: 25x14x13 IN  
BILL THIRD PARTY

Part # 156297-4854 449292 1E4801/24

TO

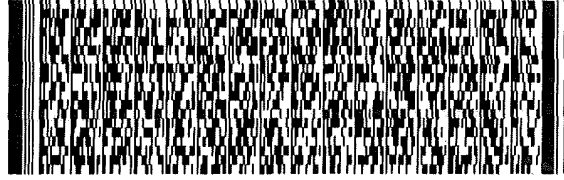
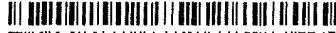
**EUROFINS CALSCIENCE**  
**2841 DOW AVE**

**TUSTIN CA 92780**

(714) 730-7850  
INV:  
PO:

REF:

DEPT:



**FedEx**  
Express



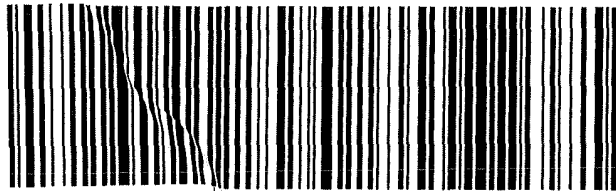
AN1011108201327

TRK# 3949 5099 5370  
0201

**THU - 23 FEB 10:30A**  
**PRIORITY OVERNIGHT**

**92 DTHA**

**AHS**  
**92780**  
**CA-US SNA**



- 1
- 2
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- 14
- 15

# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-128919-1

**Login Number: 128919**

**List Number: 1**

**Creator: Patel, Jayesh**

**List Source: Eurofins Calscience**

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







# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 3/6/2023 1:03:22 PM

## JOB DESCRIPTION

P66 Renton Terminal AOC 5228 / 12605516

## JOB NUMBER

570-129040-1


## Job Notes

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

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

## Authorization



Generated  
3/6/2023 1:03:22 PM

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



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# Definitions/Glossary

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

Job ID: 570-129040-1

## Glossary

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

# Case Narrative

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

Job ID: 570-129040-1

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## Job ID: 570-129040-1

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### Laboratory: Eurofins Calscience

#### Narrative

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#### Job Narrative 570-129040-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/24/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.6° C.

#### GC/MS VOA

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-307598. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

#### GC VOA

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

#### GC Semi VOA

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

#### Organic Prep

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-308135. 8015B\_DRO. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

#### VOA Prep

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

# Detection Summary

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

Job ID: 570-129040-1

**Client Sample ID: WA-1260-376-022323-LP-RW-5**

**Lab Sample ID: 570-129040-1**

No Detections.

**Client Sample ID: WA-1260-376-022323-LP-DPE-28**

**Lab Sample ID: 570-129040-2**

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		0.50	ug/L	1		8260C	Total/NA
TPH as Diesel Range	3.2		0.11	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

# Client Sample Results

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

Job ID: 570-129040-1

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

**Client Sample ID: WA-1260-376-022323-LP-RW-5**

**Date Collected: 02/23/23 10:10**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-129040-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/28/23 11:24	1
Toluene	ND		1.0	ug/L			02/28/23 11:24	1
o-Xylene	ND		1.0	ug/L			02/28/23 11:24	1
m,p-Xylene	ND		2.0	ug/L			02/28/23 11:24	1
Ethylbenzene	ND		1.0	ug/L			02/28/23 11:24	1
Xylenes, Total	ND		2.0	ug/L			02/28/23 11:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 123		02/28/23 11:24	1
4-Bromofluorobenzene (Surr)	95		80 - 120		02/28/23 11:24	1
Dibromofluoromethane (Surr)	100		78 - 120		02/28/23 11:24	1
Toluene-d8 (Surr)	99		80 - 120		02/28/23 11:24	1

**Client Sample ID: WA-1260-376-022323-LP-DPE-28**

**Date Collected: 02/23/23 11:35**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-129040-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>1.1</b>		0.50	ug/L			02/28/23 11:46	1
Toluene	ND		1.0	ug/L			02/28/23 11:46	1
o-Xylene	ND		1.0	ug/L			02/28/23 11:46	1
m,p-Xylene	ND		2.0	ug/L			02/28/23 11:46	1
Ethylbenzene	ND		1.0	ug/L			02/28/23 11:46	1
Xylenes, Total	ND		2.0	ug/L			02/28/23 11:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 123		02/28/23 11:46	1
4-Bromofluorobenzene (Surr)	95		80 - 120		02/28/23 11:46	1
Dibromofluoromethane (Surr)	100		78 - 120		02/28/23 11:46	1
Toluene-d8 (Surr)	99		80 - 120		02/28/23 11:46	1

# Client Sample Results

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

Job ID: 570-129040-1

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

**Client Sample ID: WA-1260-376-022323-LP-RW-5**

**Date Collected: 02/23/23 10:10**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-129040-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/28/23 00:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66		50 - 150				02/28/23 00:17	1

**Client Sample ID: WA-1260-376-022323-LP-DPE-28**

**Date Collected: 02/23/23 11:35**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-129040-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/28/23 00:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		50 - 150				02/28/23 00:40	1



# Client Sample Results

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

Job ID: 570-129040-1

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

**Client Sample ID: WA-1260-376-022323-LP-RW-5**

**Date Collected: 02/23/23 10:10**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-129040-1**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 11:40	1
TPH as Motor Oil Range	ND		0.10	mg/L		03/01/23 17:52	03/03/23 11:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	126		50 - 150			03/01/23 17:52	03/03/23 11:40	1

**Client Sample ID: WA-1260-376-022323-LP-DPE-28**

**Date Collected: 02/23/23 11:35**

**Date Received: 02/24/23 09:45**

**Lab Sample ID: 570-129040-2**

**Matrix: Water**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>TPH as Diesel Range</b>	<b>3.2</b>		0.11	mg/L		03/01/23 17:52	03/03/23 12:02	1
TPH as Motor Oil Range	ND		0.11	mg/L		03/01/23 17:52	03/03/23 12:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	119		50 - 150			03/01/23 17:52	03/03/23 12:02	1

# Surrogate Summary

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

Job ID: 570-129040-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-129040-1	WA-1260-376-022323-LP-RW-5	102	95	100	99
570-129040-2	WA-1260-376-022323-LP-DPE-28	100	95	100	99
LCS 570-307598/4	Lab Control Sample	101	99	100	99
LCSD 570-307598/5	Lab Control Sample Dup	99	97	99	99
MB 570-307598/8	Method Blank	101	95	99	98

#### Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (50-150)
570-129040-1	WA-1260-376-022323-LP-RW-5	66
570-129040-2	WA-1260-376-022323-LP-DPE-28	72
LCS 570-307423/4	Lab Control Sample	93
LCSD 570-307423/5	Lab Control Sample Dup	77
MB 570-307423/6	Method Blank	67

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Silica Gel Cleanup

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN (50-150)
570-129040-1	WA-1260-376-022323-LP-RW-5	126
570-129040-2	WA-1260-376-022323-LP-DPE-28	119

#### Surrogate Legend

OTCSN = n-Octacosane (Surr)

# QC Sample Results

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

Job ID: 570-129040-1

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

**Lab Sample ID: MB 570-307598/8**  
**Matrix: Water**  
**Analysis Batch: 307598**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			02/28/23 11:01	1
Toluene	ND		1.0	ug/L			02/28/23 11:01	1
o-Xylene	ND		1.0	ug/L			02/28/23 11:01	1
m,p-Xylene	ND		2.0	ug/L			02/28/23 11:01	1
Ethylbenzene	ND		1.0	ug/L			02/28/23 11:01	1
Xylenes, Total	ND		2.0	ug/L			02/28/23 11:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 123		02/28/23 11:01	1
4-Bromofluorobenzene (Surr)	95		80 - 120		02/28/23 11:01	1
Dibromofluoromethane (Surr)	99		78 - 120		02/28/23 11:01	1
Toluene-d8 (Surr)	98		80 - 120		02/28/23 11:01	1

**Lab Sample ID: LCS 570-307598/4**  
**Matrix: Water**  
**Analysis Batch: 307598**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	21.32		ug/L		107	80 - 121
Toluene	20.0	22.09		ug/L		110	80 - 120
o-Xylene	20.0	21.13		ug/L		106	80 - 122
m,p-Xylene	40.0	43.16		ug/L		108	80 - 123
Ethylbenzene	20.0	21.29		ug/L		106	80 - 121

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

**Lab Sample ID: LCSD 570-307598/5**  
**Matrix: Water**  
**Analysis Batch: 307598**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	21.27		ug/L		106	80 - 121	0	20
Toluene	20.0	22.35		ug/L		112	80 - 120	1	20
o-Xylene	20.0	21.80		ug/L		109	80 - 122	3	20
m,p-Xylene	40.0	44.37		ug/L		111	80 - 123	3	20
Ethylbenzene	20.0	22.37		ug/L		112	80 - 121	5	20

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

# QC Sample Results

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

Job ID: 570-129040-1

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

**Lab Sample ID: MB 570-307423/6**  
**Matrix: Water**  
**Analysis Batch: 307423**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			02/27/23 14:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		50 - 150				02/27/23 14:02	1

**Lab Sample ID: LCS 570-307423/4**  
**Matrix: Water**  
**Analysis Batch: 307423**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1920	2277		ug/L		118	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		50 - 150				

**Lab Sample ID: LCSD 570-307423/5**  
**Matrix: Water**  
**Analysis Batch: 307423**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1920	2299		ug/L		120	76 - 128	1	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	77		50 - 150						

# QC Association Summary

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

Job ID: 570-129040-1

## GC/MS VOA

### Analysis Batch: 307598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-129040-1	WA-1260-376-022323-LP-RW-5	Total/NA	Water	8260C	
570-129040-2	WA-1260-376-022323-LP-DPE-28	Total/NA	Water	8260C	
MB 570-307598/8	Method Blank	Total/NA	Water	8260C	
LCS 570-307598/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-307598/5	Lab Control Sample Dup	Total/NA	Water	8260C	

## GC VOA

### Analysis Batch: 307423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-129040-1	WA-1260-376-022323-LP-RW-5	Total/NA	Water	NWTPH-Gx	
570-129040-2	WA-1260-376-022323-LP-DPE-28	Total/NA	Water	NWTPH-Gx	
MB 570-307423/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-307423/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-307423/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

## GC Semi VOA

### Prep Batch: 308135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-129040-1	WA-1260-376-022323-LP-RW-5	Silica Gel Cleanup	Water	3510C SGC	
570-129040-2	WA-1260-376-022323-LP-DPE-28	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 308577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-129040-1	WA-1260-376-022323-LP-RW-5	Silica Gel Cleanup	Water	NWTPH-Dx	308135
570-129040-2	WA-1260-376-022323-LP-DPE-28	Silica Gel Cleanup	Water	NWTPH-Dx	308135

# Lab Chronicle

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

Job ID: 570-129040-1

**Client Sample ID: WA-1260-376-022323-LP-RW-5**

**Lab Sample ID: 570-129040-1**

**Date Collected: 02/23/23 10:10**

**Matrix: Water**

**Date Received: 02/24/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	307598	02/28/23 11:24	P3GT	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	307423	02/28/23 00:17	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			247 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 11:40	SP9M	EET CAL 4
Instrument ID: GC48										

**Client Sample ID: WA-1260-376-022323-LP-DPE-28**

**Lab Sample ID: 570-129040-2**

**Date Collected: 02/23/23 11:35**

**Matrix: Water**

**Date Received: 02/24/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	307598	02/28/23 11:46	P3GT	EET CAL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	307423	02/28/23 00:40	P1R	EET CAL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			237 mL	2.5 mL	308135	03/01/23 17:52	UFLU	EET CAL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1	10 mL	10 mL	308577	03/03/23 12:02	SP9M	EET CAL 4
Instrument ID: GC48										

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 570-129040-1

## Laboratory: Eurofins Calscience

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

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

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# Method Summary

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

Job ID: 570-129040-1

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

#### Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

#### Laboratory References:

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





# Sample Summary

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

Job ID: 570-129040-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-129040-1	WA-1260-376-022323-LP-RW-5	Water	02/23/23 10:10	02/24/23 09:45
570-129040-2	WA-1260-376-022323-LP-DPE-28	Water	02/23/23 11:35	02/24/23 09:45

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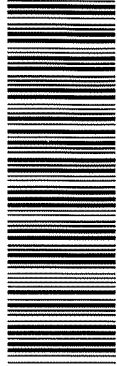
12

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15

**Chain of Custody Rec**



570-129040 Chain of Custody

COC No: \_\_\_\_\_

Page: 1 of 1

Job #: \_\_\_\_\_

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**Client Information**

Client Contact: Renemg Berr  
 Company: CMS

Address: 9725 3rd Ave, NE Ste 204  
 City: Seattle  
 State Zip: WA 98115  
 Phone: 206-802-1594  
 Email: renemg.berr@ghd.com  
 Project Name: Benton  
 Site: Plate Benton

Sampler: Wen Piro-kelvo  
 Lab PM: \_\_\_\_\_  
 Phone: 206-802-1595  
 E-Mail: renemg.berr@ghd.com

Due Date Requested: \_\_\_\_\_  
 TAT Requested (days): Standard  
 PO #: 12605516-2023-03  
 WO #: \_\_\_\_\_  
 Project #: 12605516  
 SSOW#: 12605516-2023-01

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Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, etc.)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested		Special Instructions/Note:
								Analysis Requested	Total Number of Containers	
<u>WA-12605516-2323-LP - RWK-5</u>	<u>02/20/23</u>	<u>1010</u>	<u>G</u>	<u>W</u>	<u>W</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>NUMPH-63</u>
<u>↓ BRE-28</u>	<u>↓</u>	<u>1135</u>	<u>G</u>	<u>W</u>	<u>W</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>82616 (MWD) Brix</u>

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**Possible Hazard Identification**

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological

Deliverable Requested I, II, III, IV, Other (specify): \_\_\_\_\_

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

---

**Empty Kit Relinquished by**

Relinquished by: Wen Piro kelvo  
 Date/Time: 02/23/2023 1500  
 Company: GHd

Relinquished by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

Custody Seals Intact: \_\_\_\_\_  
 Δ Yes Δ No (Custody Seal No)

---

Received by: J. Kelly  
 Date/Time: 2/24/23 0945  
 Company: \_\_\_\_\_

Received by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

Received by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_

---

Method of Shipment: \_\_\_\_\_

Ver: 01/16/2019

SU1 1-6/1-6

Part # 158227-435 ARDB2 EXP 01/24

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

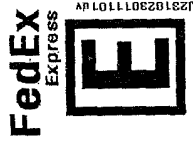
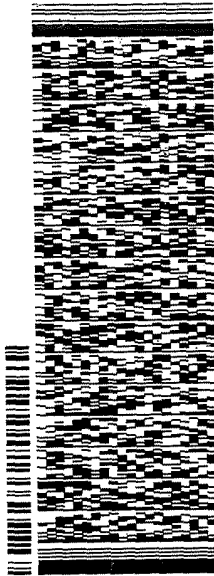
SHIP DATE: 23FEB23  
ACT WT: 9.95 LB  
CAD: 6990555/SSF02401  
DIMS: 12x8x11 IN  
BILL THIRD PARTY

10

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

(503) 956-5391 REF:  
UNIT  
PO:

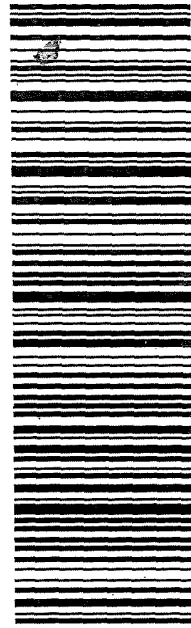
DEPT:



**FRI - 24 FEB 10:30A**  
**PRIORITY OVERNIGHT**  
**AHS**  
**92780**  
**CA-US SNA**

TRK# 3949 9370 3962  
0201

**92 DTHA**



570-129040 Waybill



# Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-129040-1

**Login Number: 129040**

**List Number: 1**

**Creator: Skinner, Alma D**

**List Source: Eurofins Calscience**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	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	



