

Second Quarter 2022 Groundwater Monitoring, Operations and Maintenance Report

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

Phillips 66

July 28, 2022

→ **The Power of Commitment**

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Facility Site I.D. No. 2070



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

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Printed date	4/21/2022
Last saved date	July 28, 2022
File name	\\ghdnet\ghd\US\Lynnwood\Projects\561\11226464\Tech\Reports\12572873-RPT2-2Q22 GWM,O&M\12572873-RPT2-2Q22 REPORT.docx
Author	Rose Bier
Project manager	Fabio Minervini
Client name	Phillips 66
Project name	P66 Renton Terminal
Document title	Second Quarter 2022 Groundwater Monitoring, Operations and Maintenance Report Phillips 66 Renton Terminal
Revision version	Rev [00]
Project number	12572873

Document status

Status Code	Revision	Author	Reviewer		Approved for issue		
			Name	Signature	Name	Signature	Date
S3		Rose Bier	Fabio Minervini	<i>Fabio M. Minervini</i>			
S4					Fabio Minervini	<i>Fabio M. Minervini</i>	7/28/22
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1. Introduction

GHD has prepared this *Second Quarter 2022 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-annually basis. Groundwater was monitored on a quarterly basis prior to February 2019.

The purpose of this quarterly report is to present the remediation system monitoring results and evaluate the performance of the remedial action during the reporting period from April 1, 2022 to June 30, 2022. Additionally, this report includes groundwater monitoring results for the same reporting period. The monitoring locations are presented on Figure 2A. Groundwater monitoring and remediation activities are being conducted in accordance with GHD's *Compliance Monitoring Plan (CMP)* dated October 19, 2016, *Final Cleanup Action Report* dated September 28, 2015, and the *Operations and Maintenance Manual* dated October 2015 (revised January 2017). 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 minimizing 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 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 1,664 hours between April 1, 2022 and June 30, 2022, with an up-time of approximately 93%. The following are the notable system shutdowns accounting for approximately 525 hours of down-time (385 hours were planned and 140 hours were unplanned) that occurred during the reporting period:

- April 1, 2022 to April 11, 2022: planned shutdown due to excessive backpressure in the effluent line.
- May 9, 2022: planned shutdown for alarm testing.
- May 14, 2022 to May 16, 2022: unplanned shutdown due to an oxidizer alarm that was triggered when the oxidizer did not maintain system operating temperature.
- May 16, 2022 to May 17, 2022: planned shutdown due to an oxidizer alarm that was triggered when the oxidizer did not maintain system operating temperature.
- May 20, 2022 to May 23, 2022: unplanned shutdown due to a vapor liquid separator high level alarm.
- June 23, 2022: unplanned shutdown due to failure of a pressure switch on the main compressor.
- June 23, 2022 to June 27, 2022: planned shutdown due to failure of a pressure switch on the main compressor. A replacement switch was ordered and replaced on June 27, 2022.

During the second quarter 2022, the system processed groundwater, soil vapor, and LNAPL extracted from a minimum of one to a maximum of four remediation wells (DPE-40, DPE-41 DPE-54, and DPE-57). Wells were brought on and offline as needed to optimize system operations. The active remediation wells are presented on Figure 2B. Groundwater extraction (GWE) system sampling analytical data are provided in Table 1 and GWE system operational data are provided in Table 2. Soil vapor extraction (SVE) system sampling analytical data are provided in Table 3 and SVE system operational data are provided in Table 4.

3. Second Quarter 2022 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

4. Summary of Compliance Sampling

The King County Wastewater Treatment Division (King County) discharge permit for the DPE system requires monthly compliance sampling and reporting. Monthly effluent compliance samples were collected during this operational period on April 12, 2022, May 10, 2022, and June 1, 2022. Each effluent compliance sample was analyzed for total petroleum hydrocarbons as gasoline (TPHg) by Ecology Method NWTPH-Gx, total petroleum hydrocarbons as diesel (TPHd) and

total petroleum hydrocarbons as motor oil (TPHo) by Ecology Method NWTPH-Dx; and benzene, toluene, ethylbenzene, and xylenes (collectively, BTEX) by United States Environmental Protection Agency (EPA) Method 8260B, and fats, oils, and grease (FOG) by EPA Method 1664A. The point of compliance for the discharge permit is located at the treated water effluent after all GWE treatment unit processes. Results of analyses of effluent compliance samples during the reporting period demonstrated compliance with the permit requirements. Laboratory analytical reports are presented in Appendix A. Treated groundwater compliance data for this and previous reporting periods are summarized on Table 1. Sampling results were submitted to King County on a monthly basis under King County Permit 7910-02. Copies of the April, May, and June 2022 King County Industrial Waste Monthly Self-Monitoring Reports are presented in Appendix B.

The PSCAA air discharge permit for the DPE system requires monthly compliance sampling and analyses of oxidizer influent and effluent for TPHg and BTEX by EPA Method TO-15. Compliance samples were collected on April 12, 2022, May 10, 2022, and June 1, 2022. Laboratory analytical reports are presented in Appendix A. Results of analyses of oxidizer effluent samples collected during the reporting period demonstrate compliance with PSCAA permit requirements. PSCAA permit air compliance sampling and analytical data are summarized on Table 3. The SVE system operational data summarized in Table 4 confirm that oxidizer compliance monitoring results were within the permit limits for operating at a flow rate less than 1,500 standard cubic feet per minute (SCFM), maintaining a minimum operating temperature of 1,400 degrees F, and achieving a destruction efficiency of greater than 97% when laboratory analyzed inlet concentrations are greater than 200 parts per million by volume (ppm_v).

5. Summary of System Performance

Total combined LNAPL, groundwater dissolved phases, and vapor phase petroleum hydrocarbons mass removal by the DPE system during this reporting period was approximately 573 pounds. Second quarter 2022 mass removal was higher than the first quarter 2022 mass removal. Extraction was switched to wells with measurable LNAPL with the goal of increasing removal rates during the spring months. Approximately 3 inches of LNAPL was measured in well DPE-45 during first quarter 2022 gauging activities, and extraction at DPE-45 began on May 10, 2022. GHD recommends extracting from one to two additional wells with measurable LNAPL during the summer months when groundwater elevation is typically lower and more of the smear zone is exposed. The total LNAPL removed during the reporting period was approximately 43 gallons. Estimated total mass removal rates, mass removed per month, and the cumulative mass removed since remediation using DPE began on May 8, 2015, are summarized on Table 2 and Table 4 and are shown graphically on Figure 3 and Figure 4. Cumulative LNAPL cumulative mass removal and/or removal rates from April 2015 to June 30, 2022 are shown graphically on Figure 5. LNAPL removal rates were not calculated prior to implementing the focused LNAPL recovery strategy implemented in July 2019.

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

Period	Gallons of Water extracted (From Totalizer)	Pounds of LNAPL Removed (OWS)	Pounds of TPH Removed (Dissolved Liquid Phase)	Pounds of TPH Removed (Vapor Phase)	Total Pounds of TPH Removed
Second Quarter 2022 Operation (Using lab data from March 9, 2022 to June 1, 2022)	752,070 ¹	263 ²	114	196	573
Cumulative Operation (May 8, 2015 to June 1, 2022 *)	14,177,318 ³	51,504 ⁴	6,308	111,645	169,457
¹ Totalizer readings are from April 1, 2022 through June 30, 2022 ² Pounds of LNAPL Removed from March 9, 2022 through June 1, 2022 ³ Totalizer readings are from May 8, 2015 through June 30, 2022 ⁴ Pounds of LNAPL Removed from May 8, 2015 through June 1, 2022 *Previous DPE and GWE system data prior to May 2015 submitted in previous reports Note: density of free product assumed to be density of vehicle gasoline (6.14 lbs/gallon " https://www.epa.gov/sites/production/files/2014-01/gallonspoundsconversion.xls ")					

The primary purpose of the DPE remediation system is to remove hydrocarbon mass from the subsurface while maintaining hydraulic control of the hydrocarbon-impacted groundwater plume to prevent migration of dissolved-phase petroleum hydrocarbons off-Site. Hydraulic control monitoring was performed during the groundwater gauging activities and is discussed in Section 7. Procedures for monitoring and evaluating the effectiveness of hydraulic control are included in the CMP.

6. System Operation Conclusions and Planned Activities

The DPE system operated at nearly continuous (approximately 93%) up-time during the second quarter 2022, except for the shutdowns noted in Section 2.0. Three unplanned shutdown and four planned shutdowns occurred during the reporting period as described in Section 2.0.

The following activities are planned for the third quarter 2022:

- 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 decreases during the dry season, optimize the SVE mass removal by focusing on wells with the highest concentrations or LNAPL present (e.g., DPE-43);
- Change out spent granular activated carbon from the 5,000-pound carbon vessels; and
- Upgrade the current autodialer.

7. Second Quarter 2022 Groundwater Monitoring Field Activities

7.1 Hydraulic Monitoring

Second quarter 2022 hydraulic monitoring activities were conducted on June 9, 2022. 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 seventeen groundwater monitoring wells. Hydraulic monitoring activities were conducted in accordance with the procedures outlined in Section 4.1 of the CMP and the modifications approved by Ecology in an email correspondence dated February 28, 2019. Wells used in hydraulic monitoring are presented on Table 5. A copy of the field data sheet documenting the hydraulic monitoring data is presented in Appendix C.

7.2 Groundwater Sampling

Groundwater sampling was not required during the second quarter 2022. In accordance with the modifications approved by Ecology in the email correspondence dated February 28, 2019, groundwater sampling has been reduced to a semi-annual frequency during the first and third quarters, with hydraulic monitoring continuing to be conducted on a quarterly frequency.

7.3 Investigation Derived Waste

No investigation derived waste was generated during the second quarter 2022 event, with the exception of personal protective equipment (PPE). All PPE was properly decontaminated and/or disposed in an appropriate trash receptacle onsite.

8. Groundwater Monitoring Results

8.1 Groundwater Elevation and LNAPL Thickness Data

The purpose of the hydraulic monitoring is to evaluate the effects of the DPE system on groundwater flow direction(s) and gradient(s) and to monitor the presence and changing thicknesses of LNAPL on the water table. Current groundwater elevation data and LNAPL thicknesses are presented on Table 5.

Groundwater flow direction(s) are presented on Figure 6.

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

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

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

8.1.1 Intermediate Well Elevation Data, Flow Direction, and Gradient

Data collected during the second quarter 2022 indicate that there is a ridge of higher groundwater elevation in the central portion of the Site, extending in a north-south orientation beneath the central and norther portions of the Site, where groundwater flows outward toward the west and the east. Groundwater flows toward the southwest in the southern portion of the Site. Groundwater elevation contours interpreted from the monitoring data are illustrated on Figure 6.

8.1.2 LNAPL Thicknesses

During the second quarter 2022 gauging event, LNAPL was not observed or recorded in any of the monitoring wells gauged; however, the DPE wells related to the remedial system were not required to be gauged this quarter. During the first quarter 2022, a LNAPL thickness of 0.49 feet was measured in well DPE-43, 0.49 feet in well DPE-45, and 0.18 feet in well DPE-57. 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. Extraction at well DPE-43 is still recommended for the third quarter 2022. The presence (or absence) of LNAPL will continue to be monitored to evaluate trends in LNAPL occurrence and mobility.

9. Groundwater Monitoring Conclusions and Planned Activities

Groundwater elevation contours indicate that groundwater appears to be at a higher elevation beneath the central and central-norther portions of the Site, flowing outward to the east and west, and flowing toward the southwest beneath the Southern portion of the site (Figure 6).

The monitoring well network will continue to be monitored and sampled in accordance with the CMP to assess the effectiveness of the DPE system. GHD will continue to gauge wells on a quarterly basis to determine groundwater elevation and monitor LNAPL thickness beneath the Site, and will continue to sample select wells on a semi-annual frequency. The next scheduled monitoring event is scheduled to be conducted during the third quarter 2022.

10. Other Agreed Order Items

No other Agreed Order items occurred during the second quarter 2022.

Tables

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

Notes and Abbreviations:

mm/dd/yy = month/day/year
Conc. = concentration
TPHg = total petroleum hydrocarbons quantified as gasoline
TPHd = total petroleum hydrocarbons quantified as diesel
TPHmo = total petroleum hydrocarbons quantified as motor oil
FOG = fats, oil, and grease
µg/L = micrograms per liter
<X.X = not detected at or below the detection limit indicated
NM = no measured
TBD = Sample taken during this time and are awaiting results
TPHg analyzed by Method NWTPHd-X.
TPHd analyzed by Method NWTPHg-X.
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.
FOG analyzed by Method 1664 HEM.
a = pH measured in the field.
b = The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits. (D6)
c = The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low. (CL)
d = Analyte concentration exceeded the calibration range. The reported results is estimated. (E)
e = Laboratory adjusted pH to 2. (1M)
f = Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. (M1)
g = Analyte recovery in the matrix spike was outside QC limits for one or more of the constituents analytes used in the calculated result. (MS)
h = Post-analysis pH measurements indicates insufficient VOA sample preservation. (pH)
i = Result confirmed by second analysis. (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)								
1/18/21 9:45		30,847	96%	3,658,367	7,195,948	5,571	3.87	7754	185,000			7,800	0.32	350
1/28/21 9:28		31,087	100%	3,696,277	7,233,858	3,791	2.63	7817	NM			NM		
2/5/21 9:25		31,252	97%	3,738,667	7,276,248	6,166	4.28	7857	NM			NM		
2/12/21 9:15		31,420	100%	3,824,597	7,362,178	12,276	8.52	7888	NM			NM		
2/18/21 9:00		31,564	100%	3,923,887	7,461,468	16,548	11.49	7919	113,000	11.05	4,657	4,470	0.45	363
3/1/21 9:00		31,821	97%	4,100,297	7,637,878	16,474	11.44	7993	NM			NM		
3/10/21 8:30		32,038	100%	4,271,577	7,809,158	18,943	13.16	8068	79,500	14.14	4,936	3,660	0.60	375
4/5/21 10:00		32,517	90%	4,622,150	8,159,731	17,565	12.20	8222	NM			NM		
4/21/21 8:45		32,824	98%	4,802,087	8,339,668	14,067	9.77	8248	60,100	9.43	5,245	3,080	0.46	390
4/29/21 7:35		33,014	100%	4,917,337	8,454,918	14,558	10.11	8256	NM			NM		
5/13/21 9:45		33,353	100%	5,142,887	8,680,468	15,968	11.09	8275	38,300	6.35	5,385	2,950	0.39	399
5/25/21 8:30		33,639	100%	5,383,727	8,921,308	20,210	14.03	8301	NM			NM		
6/30/21 10:30		33,835	63%	5,540,487	9,078,068	19,195	13.33	8301	54,200	7.64	5,539	2,590	0.46	408
7/8/21 10:00		34,027	100%	5,671,737	9,209,318	16,406	11.39	8301	NM			NM		
7/20/21 9:15		34,314	100%	5,887,817	9,425,398	18,069	12.55	8301	36,400	6.58	5,670	2,620	0.38	415
7/28/21 10:35		34,492	92%	6,053,197	9,590,778	22,298	15.49	8312	NM			NM		
8/5/21 9:10		34,682	100%	6,205,917	9,743,498	19,291	13.40	8312	21,000	4.97	5,746	750	0.29	420
8/12/21 14:25		34,799	68%	6,300,171	9,837,752	19,334	13.43	8312	NM			NM		
8/30/21 8:30		34,986	67%	6,529,987	10,067,568	29,495	20.48	8312	NM			NM		
9/9/21 8:00		34,986	100%	6,686,677	10,224,258	16,279	11.31	8312	NM			NM		
9/14/21 10:00		34,986	100%	6,770,627	10,308,208	16,118	11.19	8312	9,400	2.25	5,818	2,500	0.24	427
9/28/21 7:45		34,986	99%	6,990,423	10,528,004	15,794	10.97	8315	NM			NM		
10/6/21 11:56		34,986	95%	7,126,697	10,664,278	17,872	12.41	8318	NM			NM		
10/13/21 8:40		35,030	100%	7,257,047	10,794,628	18,621	12.93	8322	11,000	1.45	5,859	2,000	0.32	437
10/22/21 8:44		35,127	100%	7,428,787	10,966,368	18,821	13.07	8322	NM			NM		
10/27/21 11:42		35,248	100%	7,551,307	11,088,888	23,524	16.34	8322	NM			NM		
11/3/21 10:10		35,415	100%	7,711,957	11,249,538	22,680	15.75	8322	18,000	2.57	5,914	1,300	0.29	443
11/16/21 10:15		35,659	80%	7,934,607	11,472,188	21,460	14.90	8322	NM			NM		
11/24/21 9:44		35,851	100%	8,084,617	11,622,198	18,463	12.82	8322	NM			NM		
12/1/21 9:16		36,017	100%	8,208,973	11,746,554	17,660	12.26	8322	NM			NM		
12/8/21 9:55		36,185	100%	8,331,807	11,869,388	17,240	11.97	8322	11,000	2.30	5,989	1,600	0.23	450
12/21/21 10:30		36,466	92%	8,522,807	12,060,388	16,028	11.13	8328	NM			NM		
1/5/22 9:52		36,825	100%	8,743,717	12,281,298	14,486	10.06	8331	NM			NM		
1/17/22 10:10		37,100	97%	8,913,497	12,451,078	14,605	10.14	8333	25,000	2.25	6,076	1,900	0.22	459
1/28/22 9:45		37,364	100%	9,089,377	12,626,958	15,750	10.94	8333	NM			NM		
2/3/22 8:40		37,506	100%	9,183,537	12,721,118	15,585	10.82	8333	NM			NM		
2/10/22 9:25		37,674	100%	9,315,847	12,853,428	18,462	12.82	8333	16,000	2.82	6,145	930	0.19	464
2/16/22 9:00		37,817	100%	9,423,887	12,961,468	17,882	12.42	8333	NM			NM		
3/4/22 11:45		38,056	63%	9,586,837	13,124,418	16,094	11.18	8345	NM			NM		
3/9/22 9:35		38,174	100%	9,672,507	13,210,088	17,134	11.90	8345	17,000	2.32	6,194	1,300	0.16	467
3/22/22 12:17		38,482	100%	9,842,517	13,380,098	12,791	8.88	8345	NM			NM		
3/28/22 8:39		38,593	NM	9,868,997	13,406,578	4,572	3.18	8345	NM			NM		
4/12/22 9:21		38,614	27%	9,894,427	13,432,008	4,391	3.05	8345	12,000	1.41	6,221	1,000	0.11	469
4/21/22 8:59		38,829	100%	10,000,437	13,538,018	11,618	8.07	8345	NM			NM		
4/27/22 12:09		38,976	100%	10,102,287	13,639,868	16,405	11.39	8345	NM			NM		
5/2/22 8:55		39,092	100%	10,170,597	13,708,178	13,777	9.57	8345	NM			NM		
5/10/22 9:37		39,278	99%	10,255,167	13,792,748	10,627	7.38	8345	21,000	1.76	6,271	1,000	0.11	472
5/17/22 10:57		39,373	58%	10,301,477	13,839,058	11,341	7.88	8345	NM			NM		
5/23/22 9:49		39,434	43%	10,332,177	13,869,758	12,079	8.39	8377	NM			NM		
6/1/22 9:39		39,651	100%	10,433,567	13,971,148	11,266	7.82	8388	30,000	2.43	6,309	3,800	0.23	476
6/6/22 11:16		39,768	100%	10,480,007	14,017,588	8,988	6.24	8388	NM			NM		
6/14/22 12:42		39,962	100%	10,532,847	14,070,428	6,437	4.47	8388	NM			NM		

Regulatory Limits: <50,400 <35 **Total recovery (pounds):** 6,309 **Total recovery (pounds):** 476

Abbreviations and Notes:

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

conc = Concentration

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

Benzene analyzed by EPA method 8260

Average Flow Rate (gpm) = (Cumulative Flow - Previous Cumulative Flow)/[(Date Sampled - Previous Date Sampled)*1440 (minutes/day)]

Removal Rate (pounds/day) = [Influent Concentration (µg/Liter)]*[Average Flow Rate (gallons/minute)]*[3.785 (liters/gallon)]/[1440 (minutes/day)] / (1000000 (ug)/453.6 (g/lb))

Cumulative Recovery (pounds) = [Previous Cumulative Recovery (pounds)] + [(Removal Rate (pounds/day))

NA = Not applicable

NM = not measured

NS = Not sampled

L = liter

gpm = gallon per minute

µg/L = micrograms per liter

g = grams

cc = cubic centimeter

lb = pound

*Total Uptime is not = 0.73 g/cc TPHg

All readings and data = 0.88 g/cc Benzene

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

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

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

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

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

Notes and Abbreviations:

mm/dd/yy = month/day/year

Conc. = concentration

N/A = not applicable

TPHg = total petroleum hydrocarbons quantified as gasoline

µg/L = micrograms per liter

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

ppmv = parts per million by volume

TBD = Sample taken during this time and are awaiting results

TPHg analyzed by Method TO-14M.

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

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

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

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

Soil Vapor Extraction System Operational Data
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Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	Soil Vapor Extraction											TPHg				Benzene		
			SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 Pressure (in. WC)	Influent-2 Temperature (°F)	Influent-2 Concentration (Field) (ppmv)	TPHg Influent Concentration (Lab) (ppmv)	Oxidizer Temperature (°F)	Stack Temperature (°F)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)	Destruction efficiency (%)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)
12/13/17	8,158	100%	2.0	27.2	NM	0.45	582	130	146	NM	1,426	844	40	23,471	0.11	100%	2.65831	380	0.0019	
12/18/17	8,253	100%	2.0	27.2	2.0	0.45	579	135	88	NM	1,429	850	40	23,628	0.11	100%	2.64711	391	0.0019	
12/20/17	SYSTEM DOWN FOR WINTERIZATION																			
02/09/18	8,374	100%	2.0	27.2	2.0	0.45	577	140	123	NM	1,433	848	9	23,673	0.43	95%	1.17531	397	0.0008	
02/16/18	8,389	21%	2.0	27.2	2.0	0.50	611	135	113	42	1,456	857	9	23,679	0.46	95%	1.24408	398	0.0009	
03/01/18	8,607	99%	2.0	27.2	2.0	0.50	613	130	60.9	NM	1,428	850	14	23,807	0.20	99%	0.37480	401	0.0003	
03/05/18	8,699	100%	2.0	27.2	2.0	0.35	511	135	49.4	NM	1,424	844	12	23,857	0.17	99%	0.31226	402	0.0003	
03/15/18	8,906	90%	2.5	34.0	2.5	0.35	511	135	94.3	61.7	1,416	830	12	23,958	0.17	99%	0.31226	405	0.0003	
03/19/18	8,996	100%	3.0	40.8	3.0	0.35	511	135	403	476.1*	1,425	837	91	24,150	0.17	100%	0.31226	406	0.0003	
04/02/18	9,318	98%	2.0	27.2	2.0	0.30	497	80	195	205.8*	1,422	833	141	25,704	0.11	100%	1.87859	431	0.0016	
04/06/18	9,343	100%	3.5	47.6	3.5	0.30	471	140	615	NM	1,410	827	134	25,847	0.11	100%	1.78219	433	0.0015	
04/12/18	9,435	64%	4.0	54.4	4.0	0.30	471	140	747	NM	1,410	832	134	26,359	0.11	100%	1.78219	440	0.0015	
04/17/18	9,549	95%	3.5	47.6	4.0	0.30	471	140	1,072	760	1,414	842	134	26,993	0.11	100%	1.78219	448	0.0015	
04/23/18	9,675	88%	3.5	47.6	3.5	0.50	611	135	402	NM	1,432	865	173	27,798	0.14	100%	2.31044	461	0.002	
04/30/18	9,841	99%	4.0	54.4	4.0	0.30	473	135	442	NM	1,411	836	134	28,861	0.11	100%	1.78966	473	0.002	
05/07/18	10,009	100%	3.0	40.8	3.0	0.35	509	140	207	NM	1,422	843	80	29,612	0.10	100%	0.96249	480	0.001	
05/16/18	10,185	81%	2.0	27.2	2.0	0.50	611	135	280	423	1,450	862	96	30,260	0.12	100%	1.15522	488	0.001	
05/23/18	10,359	100%	2.0	27.2	2.0	0.50	611	135	214	NM	1,448	868	96	30,958	0.12	100%	1.15522	496	0.001	
05/30/18	10,524	98%	4.0	54.4	4.0	0.40	546	135	203	NM	1,425	844	86	31,586	0.11	100%	1.03326	504	0.001	
06/06/18	10,685	96%	3.0	40.8	3.0	0.30	473	135	135	NM	1,406	839	164	32,425	0.15	100%	3.75828	529	0.001	
06/08/18	10,734	100%	7.0	95.2	7.0	0.35	509	140	145	NM	1,409	842	176	32,773	0.16	100%	4.04246	537	0.001	
06/13/18	10,758	100%	7.0	95.2	7.0	0.30	471	140	151	929	1,421	848	163	32,942	0.15	100%	3.74259	541	0.001	
06/18/18	10,881	100%	7.0	95.2	7.0	0.25	428	145	315	NM	1,411	842	148	33,741	0.13	100%	3.40236	558	0.001	
06/25/18	11,052	100%	6.0	81.6	6.0	0.35	509	140	112	NM	1,421	848	176	34,898	0.16	100%	4.04246	587	0.001	
07/03/18	11,242	100%	6.0	81.6	6.0	0.35	507	145	191	NM	1,122	846	31	35,719	0.14	100%	0.31262	590	0.0004	
07/17/18	11,577	100%	3.0	40.8	3.0	0.45	577	140	103	164	1,431	856	35	36,182	0.16	100%	0.35595	594	0.0005	
07/31/18	11,913	100%	5.0	68.0	5.0	0.40	540	150	810	NM	1,415	835	33	36,660	0.15	100%	0.33283	599	0.0005	
08/06/18	12,063	100%	4.5	61.2	4.5	0.45	575	145	198	NM	1,430	845	42	36,896	0.03	100%	0.07240	600	0.0033	
08/13/18	12,225	96%	5.0	68.0	5.0	0.35	509	140	260	<6.64	1,443	860	49	37,206	0.02	100%	0.06412	600	0.0029	
08/20/18	12,398	100%	4.5	61.2	4.5	0.35	507	145	425	NM	1,434	857	80	37,673	0.02	100%	0.06385	600	0.0029	
08/23/18	12,472	100%	4.5	61.2	4.5	0.40	540	150	398	NM	1,431	866	80	37,921	0.02	100%	0.06798	601	0.0031	
08/30/18	12,641	100%	5.0	68.0	5.0	0.45	575	145	295	NM	1,443	856	63	38,425	0.03	100%	0.07240	601	0.0033	
09/05/18	12,782	98%	6.0	81.6	6.0	0.40	540	150	455	NM	1,413	838	378	39,723	0.24	100%	2.66894	617	0.0020	
09/12/18	12,946	98%	6.0	81.6	6.0	0.30	467	150	405	1880	1,413	832	328	42,135	0.21	100%	2.31137	633	0.0017	
09/24/18	13,214	93%	5.0	68.0	5.0	0.30	469	145	139	NM	1,479	893	329	45,802	0.21	100%	2.32090	659	0.0017	
10/08/18	13,546	99%	5.5	74.8	5.5	0.35	507	145	120.6	371	1,409	830	213	49,550	0.24	100%	1.99812	686	0.002	
10/16/18	13,664	65%	4.5	61.2	3.0	0.45	572	150	NM	NM	1,414	834								
10/25/18	13,866	94%	4.0	54.4	4.0	0.40	542	145	245	NM	1,415	829								
10/30/18	13,976	92%	2.0	27.2	2.5	0.50	603	150	NM	NM	1,430	878								
11/01/18	14,020	92%	3.0	40.8	2.5	0.45	575	145	65	NM	1,407	833								
11/05/18	14,119	100%	3.5	47.6	3.5	0.45	577	140	40.6	NM	1,415	830								
11/08/18	14,193	100%	3.5	47.6	3.0	0.40	546	135	67.2	70	1,418	830	45	53,024	0.17	100%	1.18	729	0.0012	
11/12/18	14,291	100%	3.5	47.6	3.5	0.40	546	135	52	NM	1,416	830								
11/21/18	14,504	99%	2.5	34.0	2.0	0.50	608	140	33.7	NM	1,407	831								
11/29/18	14,625	63%	2.0	27.2	2.0	0.35	505	150	NM	NM	1,414	831								
12/04/18	14,745	100%	3.0	40.8	3.0	0.30	471	140	30.8	NM	1,418	825								
12/12/18	14,937	100%	2.5	34.0	2.5	0.40	544	140	11.3	67	1,419	831	14	53,937	0.09	99%	0.53	756	0.0003	
12/21/18	15,051	98%	2.5	34.0	2.0	0.45	579	135	48.7	NM	1,407	830								

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Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	Soil Vapor Extraction											TPHg				Benzene		
			SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 Pressure (in. WC)	Influent-2 Temperature (°F)	Influent-2 Concentration (Field) (ppmv)	TPHg Influent Concentration (Lab) (ppmv)	Oxidizer Temperature (°F)	Stack Temperature (°F)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)	Destruction efficiency (%)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)
01/02/19	15,343	100%	2.75	37.4	2.25	0.25	432	135	14.7	NM	1,421	824								
01/09/19	15,476	79%	2.5	34.0	2.25	0.45	584	125	14.7	19	1,415	842	9	54,190	0.12	99%	0.19	764	0.0003	
01/14/19	15,598	100%	2.15	29.2	2.25	0.35	520	115	15.2	NM	1,416	841								
01/21/19	15,767	100%	2.5	34.0	2.0	0.50	619	120	32	NM	1,411	850								
01/28/19	15,937	100%	2.5	34.0	2.0	0.50	619	120	8.6	NM	1,414	848								
02/08/19	16,204	100%	2.0	27.2	2.0	0.45	589	115	14.8	NM	1,408	845								
02/13/19	16,348	100%	2.5	34.0	2.0	0.40	553	120	112	613	1,414	843	68	55,591	0.15	100%	0.96	784	0.0004	
02/18/19	16,448	100%	2.5	34.0	2.0	0.45	587	120	1.9	NM	1,410	845								
02/25/19	16,616	100%	2.5	34.0	2.0	0.35	515	125	1.8	NM	1,414	840								
03/22/19	17,124	100%	2.5	34.0	2.0	0.40	551	125	378	1190	1,413	841	186	59,698	0.14	100%	2.87	846	0.0003	
03/29/19	17,296	100%	3.0	40.8	3.0	0.40	551	125	57	NM	1,413	843								
04/02/19	17,389	97%	2.5	34.0	2.0	0.50	616	125	86.2	NM	1,407	840								
05/09/19	17,432	24%	2.5	34.0	3.5	0.40	551	125	NM	NM	1,410	827								
05/13/19	17,526	100%	3.0	40.8	3.5	0.45	572	150	NM	NM	1,408	827								
05/22/19	17,743	100%	2.5	34.0	2.0	0.50	616	125	112.9	115	1,410	844	140	63,899	0.14	100%	2.27	913	0.0006	
05/28/19	17,889	100%	2.5	34.0	2.0	0.50	619	120	76.8	NM	1,414	843								
06/12/19	18,232	95%	2.0	27.2	2.0	0.40	551	125	128	NM	1,408	835								
06/13/19	18,257	100%	2.0	27.2	2.0	0.50	616	125	117	136	1,407	832	28	65,702	0.38	99%	0.27	940	0.0042	
06/20/19	18,426	100%	2.0	27.2	2.0	0.40	551	125	102.1	NM	1,416	830								
07/15/19	18,570	100%	2.0	27.2	1.0	0.60	661	150	37.3	NM	1,408	849								
07/23/19	18,764	100%	2.0	27.2	1.0	0.50	619	120	56.8	104	1,413	843	27	66,288	0.41	99%	0.17	945	0.0041	
08/02/19	18,965	86%	2.0	27.2	2.0	0.50	621	115	40.1	NM	1,408	846								
08/08/19	19,112	100%	2.5	34.0	2.0	0.50	619	120	215.7	NM	1,407	847								
08/16/19	19,295	95%	2.5	34.0	2.0	0.50	619	120	27.3	42	1,413	842	17	66,778	0.34	98%	0.17	948	0.0005	
08/23/19	19,423	76%	2.5	34.0	2.0	0.50	619	120	27.2	NM	1,414	838								
08/30/19	19,594	100%	3.5	47.6	2.5	0.50	621	115	28.6	NM	1,407	836								
09/16/19	19,970	92%	2.8	37.4	2.0	0.50	621	115	19.7	97	1,410	837	16	67,242	0.31	98%	0.17	953	0.0006	
09/30/19	20,192	100%	3.0	40.8	2.5	0.50	619	120	15.4	NM	1,408	845								
10/07/19	20,360	100%	2.5	34.0	2.0	0.45	589	115	13.3	NM	1,409	843								
10/11/19	20,457	100%	2.5	34.0	2.0	0.50	621	115	0.0	13	1,412	843	13	67,533	0.20	98%	0.12	956	0.0004	
10/16/19	20,529	100%	2.0	27.2	2.0	0.50	621	115	33	NM	1,407	844								
10/23/19	20,698	100%	2.5	34.0	2.0	0.20	390	125	22.5	NM	1,412	824								
10/28/19	20,819	100%	2.8	37.4	2.3	0.20	391	120	20.2	NM	1,415	822								
11/04/19	20,992	100%	2.5	34.0	2.0	0.25	437	120	8.4	NM	1,417	828								
11/08/19	21,090	100%	2.5	34.0	2.0	0.20	391	120	42.8	113	1,409	819	11	67,847	0.10	99%	0.12	959	0.0003	
11/18/19	21,334	100%	3.0	40.8	2.5	0.20	390	125	9.5	NM	1,410	819								
11/25/19	21,503	100%	2.5	34.0	2.5	0.20	390	125	9.0	NM	1,419	809								
12/04/19	21,658	72%	2.5	34.0	2.0	0.20	391	120	0.8	NM	1,415	809								
12/09/19	21,777	99%	1.5	20.4	1.0	0.20	390	125	6.5	NM	1,415	810								
12/16/19	21,949	100%	1.75	23.8	1.25	0.20	391	120	0.7	3	1,418	809	8	68,199	0.02	100%	0.10	963	0.0003	
12/30/19	22,285	100%	1.5	20.4	1.0	0.20	391	120	2.9	NM	1,417	810								
01/06/20	22,458	100%	1.5	20.4	1.0	0.20	390	125	1.3	NM	1,413	808								
01/16/20	22,693	98%	1.5	20.4	1.0	0.20	393	115	1.1	6	1,425	811	1	68,340	0.02	97%	0.01	965	0.0001	
01/27/20	22,888	100%	1.5	20.4	1.0	0.20	391	120	1.8	NM	1,420	810								
02/06/20	23,134	100%	1.5	20.4	1.5	0.25	436	125	1.6	7	1,415	810	1	68,355	0.02	98%	0.02	965	0.00003	
02/10/20	23,230	100%	1.5	20.4	1.0	0.25	437	120	NM	NM	1,410	813								
02/18/20	23,425	100%	1.5	20.4	1.0	0.30	479	120	1.8	NM	1,410	815								
03/02/20	23,647	100%	1.5	20.4	1.0	0.25	437	120	0.8	NM	1,410	811								

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Date (mm/dd/yy)	Oxidizer Hour Meter Reading	Total Uptime	Soil Vapor Extraction											TPHg				Benzene		
			SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 Pressure (in. WC)	Influent-2 Temperature (°F)	Influent-2 Concentration (Field) (ppmv)	TPHg Influent Concentration (Lab) (ppmv)	Oxidizer Temperature (°F)	Stack Temperature (°F)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)	Destruction efficiency (%)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)
03/09/20	23,817	100%	1.5	20.4	1.0	0.25	441	110	NM	NM	1,416	811								
03/16/20	23,972	92%	2.0	27.2	3.5	0.20	388	130	10.0	32	1,408	811	3	68,427	0.03	99%	0.05	966	0.00019	
03/23/20	24,081	65%	2.0	27.2	2.0	0.20	388	130	11.6	NM	1,419	817								
03/30/20	24,249	100%	3.0	40.8	3.0	0.35	509	140	14.8	NM	1,406	824								
04/09/20	24,495	100%	3.0	40.8	2.5	0.35	507	145	106.3	26	1,407	824	5	68,531	0.03	99%	0.09	968	0.00066	
04/13/20	24,592	100%	0.0	0.0	0.0	0.30	473	135	NM	NM	1,503	873								
04/20/20	24,758	99%	3.0	40.8	2.5	0.25	430	140	156	NM	1,407	827								
05/04/20	24,809	100%	3.0	40.8	2.5	0.20	385	140	350	NM	1,415	827								
05/11/20	24,920	66%	3.0	40.8	3.0	0.25	430	140	261	NM	1,416	826								
05/19/20	25,113	100%	3.3	44.2	3.0	0.20	383	145	14.2	35	1,412	823	5	68,657	0.05	99%	0.09	970	0.00081	
05/22/20	25,136	100%	3.0	40.8	3.0	0.25	437	120	54.0	NM	1,410	830								
05/26/20	25,231	99%	3.0	40.8	3.0	0.25	437	120	NM	NM	1,406	815								
06/02/20	25,402	100%	3.0	40.8	3.0	0.25	437	120	NM	NM	1,405	817								
06/08/20	25,481	55%	4.0	54.4	4.0	0.25	437	120	35.5	102	1,405	825	11	68,824	0.03	100%	0.21	973	0.00051	
06/15/20	25,576	100%	3.0	40.8	3.0	0.25	437	120	6.8	NM	1,411	838								
06/22/20	25,745	100%	4.0	54.4	4.0	0.25	437	120	6.4	NM	1,408	837								
07/01/20	25,964	100%	4.0	54.4	4.0	0.23	420	120	10.3	NM	1,410	838								
07/10/20	26,185	100%	4.0	54.4	4.0	0.23	416	130	15.0	NM	1,412	833								
07/15/20	26,308	100%	5.5	74.8	5.5	0.23	418	125	37.5	81	1,412	830	15	69,326	0.28	98%	0.37	982	0.00080	
07/21/20	26,456	100%	11.5	156.4	12.5	0.32	483	150	80.0	NM	1,406	821								
07/27/20	26,595	100%	12.0	163.2	12.0	0.33	492	145	143	NM	1,406	822								
08/07/20	26,864	100%	15.0	204	15.0	0.30	471	140	307	NM	1,407	816								
08/10/20	26,939	100%	15.0	204	15.0	0.30	469	145	308	1300	1,406	813	120	71,097	1.22	99%	2.98	1,026	0.00924	
08/17/20	27,108	100%	15.0	204	15.0	0.35	501	160	387	2080	1,410	820	306	72,597			7.03	1,062		
08/26/20	27,327	100%	13.0	177	13.0	0.45	570	155	304	NM	1,405	830								
09/04/20	27,547	100%	13.5	184	13.0	0.45	570	155	640	342	1,404	830	247	77,652			5.45	1,176		
09/09/20	27,668	100%	13.0	177	12.5	0.43	557	155	326	NM	1,407	829								
09/15/20	27,816	100%	13.0	177	13.0	0.43	557	155	267	1280	1,422	833	170	79,988	1.30	99%	3.87	1,228	0.01220	
09/21/20	27,961	100%	13.0	177	13.0	0.43	557	155	352	NM	1,408	828								
09/30/20	28,180	100%	12.0	163	12.0	0.43	555	160	NM	NM	1,405	829								
10/05/20	28,305	100%	15.0	204	14.5	0.60	650	170	280	NM	1,404	858								
10/12/20	28,471	100%	16.5	224	16.0	0.50	594	170	431	NM	1,404	853								
10/13/20	28,495	100%	17.0	231	17.0	0.40	531	170	346	1430	1,409	850	290	88,197	0.28	100%	8.65	1,473	0.00448	
10/21/20	28,688	99%	17.0	231	16.5	0.43	550	170	183	980	1,457	878	243	90,151			7.74	1,535		
10/26/20	28,799	93%	17.0	231	17.0	0.45	563	170	278	NM	1,411	857								
11/11/20	29,167	96%	17.0	231	16.5	0.45	563	170	160.8	1310	1,410	840	239	94,916	0.23	100%	3.52	1,605	0.00336	
11/18/20	29,341	100%	16.5	224	16.0	0.45	563	170	44.9	NM	1,405	840								
11/23/20	29,458	98%	16.0	218	16.0	0.50	594	170	17.7	NM	1,409	840								
12/03/20	29,464	100%	2.5	34	2.5	0.55	646	125	2.5	NM	1,408	843								
12/09/20	29,611	100%	10.0	136	9.5	0.45	575	145	3.6	23	1,408	834	146	97,621	0.33	100%	0.92	1,622	0.05059	
12/22/20	29,927	100%	9.5	129	9.0	0.48	588	150	3.9	NM	1,405	836								
01/04/21	30,243	100%	10.0	136	9.0	0.45	572	150	3.8	NM	1,404	834								
01/18/21	30,570	98%	8.0	109	7.5	0.50	601	155	3.2	11	1,411	837	4	97,769	0.17	95%	0.03	1,623	0.04873	
01/28/21	30,814	100%	8.0	109	7.5	0.45	572	150	1.6	NM	1,408	836								
02/05/21	30,983	99%	5.5	75	5.0	0.55	635	145	4.3	NM	1,407	860								
02/12/21	31,153	100%	10.0	136	9.5	0.45	572	150	NM	NM	1,410	853								
02/18/21	31,300	100%	14.0	190	13.5	0.35	501	160	18.3	38	1,407	855	5	97,930	0.09	98%	0.08	1,626	0.00024	
03/01/21	31,561	100%	NM	NM	NM	NM	NM	NM	NM	NM	1,405	834								

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

Date (mm/dd/yy)	Oxidizer	Total Uptime	Soil Vapor Extraction											TPHg				Benzene		
			SVE Influent Vacuum (in. Hg)	SVE Influent Vacuum (in. WC)	Knock Out Vacuum (in. Hg)	Influent-2 Differential Pressure (in. WC)	Influent-2 Flow (scfm)	Influent-2 Pressure (in. WC)	Influent-2 Temperature (°F)	Influent-2 Concentration (Field) (ppmv)	TPHg Influent Concentration (Lab) (ppmv)	Oxidizer Temperature (°F)	Stack Temperature (°F)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)	Destruction efficiency (%)	Removal rate (ppd)	Cumulative Recovery (pounds)	Emission rate (ppd)
03/10/21		100%	11.5	156	11.0	0.50	606	145	14.1	74	1,401	840	12	98,162	0.07	99%	0.17	1,630	0.00030	
04/05/21		92%	8.0	109	8.0	0.30	467	150	38.5	NM	1,408	832								
04/21/21		99%	11.0	150	10.5	0.50	596	165	20.9	71	1,405	839	15	98,662	0.12	99%	0.21	1,637	0.00066	
04/29/21		100%	11.0	150	10.5	0.50	596	165	NM	NM	1,407	845								
05/13/21		100%	12.0	163	11.5	0.45	559	180	15.2	114	1,405	843	20	99,113	0.36	98%	0.28	1,643	0.00107	
05/25/21		100%	14.0	190	13.5	0.40	525	185	10.8	NM	1,408	842								
06/30/21		64%	6.0	82	5.5	0.65	688	150	3.5	21	1,406	853	15	99,417	0.32	98%	0.20	1,647	0.03650	
07/08/21		100%	10.5	143	10.0	0.45	572	150	9.3	NM	1,407	842								
07/20/21		100%	13.0	177	12.0	0.40	540	150	69.2	245	1,410	839	30	100,023	0.20	99%	0.47	1,657	0.03712	
07/28/21		94%	12.0	163	12.0	0.40	540	150	80.2	NM	1,416	842								
08/05/21		100%	13.0	177	12.5	0.40	529	175	187.0	612	1,406	845	86	101,358	0.36	100%	1.14	1,674	0.00285	
08/12/21		70%	13.0	177	13.0	0.30	453	190	196.3	NM	1,413	833								
08/30/21		67%	11.0	150	11.0	0.45	570	155	191.0	NM	1,410	845								
09/09/21		100%	16.0	218	15.5	0.40	531	170	272.0	NM	1,437	854								
09/14/21		100%	15.0	204	14.0	0.45	570	155	415.0	800	1,418	850	140	105,799	0.52	100%	1.82	1,732	0.00534	
09/28/21		99%	14.5	197	15.0	0.35	495	175	352.6	NM	1,432	841								
10/06/21		95%	15.0	204	15.0	0.40	519	200	NM	NM	NM	NM								
10/13/21		100%	15.0	204	15.0	0.40	531	170	284.0	490	1,406	841	127	109,429	0.53	100%	1.55	1,777	0.00431	
10/22/21		100%	15.0	204	15.0	0.40	531	170	181.4	NM	1,406	841								
10/27/21		100%	14.5	197	14.0	0.40	531	170	178.0	NM	1,415	846								
11/03/21		100%	12.6	171	12.0	0.40	535	160	79.6	140	1,402	847	63	110,768	0.42	99%	0.54	1,788	0.00175	
11/16/21		80%	7.5	102	7.5	0.50	608	140	NM	NM	1,406	863								
11/24/21		100%	8.0	109	8.0	0.45	575	145	4.9	NM	1,403	843								
12/01/21		100%	8.3	112	8.0	0.45	575	145	6.5	NM	1,410	842								
12/08/21		100%	8.0	109	7.5	0.45	575	145	3.6	9	1,409	850	16	111,289	0.21	99%	0.07	1,790	0.00052	
12/21/21		92%	7.5	102	7.0	0.50	608	140	8.1	NM	1,407	838								
01/05/22		100%	8.0	109	7.5	0.45	577	140	6.5	NM	1,407	836								
01/17/22		97%	6.0	82	5.8	0.50	608	140	2.4	9	1,407	854	2	111,367	0.29	86%	0.01	1,791	0.00010	
01/28/22		100%	4.0	54	4.0	0.50	608	140	2.3	NM	1,413	848								
02/03/22		100%	4.0	54	4.0	0.40	544	140	17.3	NM	1,407	848								
02/10/22		100%	5.0	68	5.0	0.38	529	135	2.8	11	1,410	850	2	111,419	0.28	87%	0.01	1,791	0.00010	
02/16/22		100%	5.0	68	5.0	0.40	544	140	4.9	NM	1,410	851								
03/04/22		63%	5.0	68	4.5	0.35	511	135	4.3	NM	1,412	849								
03/09/22		100%	5.5	75	5.0	0.38	527	140	3.8	4	1,407	849	1	111,449	0.20	86%	0.01	1,791	0.00010	
03/22/22		100%	6.0	82	5.0	0.35	505	150	6.2	NM	1,404	847								
03/28/22	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM								
04/12/22		27%	6.0	82	5.5	0.35	507	145	14.3	28	1,405	843	3	111,507	0.19	94%	0.02	1,792	0.00014	
04/21/22		100%	6.0	82	5.5	0.38	525	145	3.3	NM	1,413	842								
4/27/2022		100%	5.5	75	2.5	0.45	572	150	5.0	NM	1,408	845								
5/2/2022		100%	6.0	82	6.0	0.35	505	150	2.1	NM	1,406	841								
5/10/2022		99%	5.0	68	5.0	0.45	572	150	4.9	10	1,400	845	4	111,615	0.20	95%	0.02	1,792	0.00013	
5/17/2022		58%	5.0	68	5.0	0.35	NM	NM	NM	NM	1,407	853								
5/23/2022		43%	5.0	68	5.0	0.35	505	150	NM	NM	1,409	851								
6/1/2022		100%	7.0	95	6.0	0.35	501	160	5.3	10	1,421	848	2	111,645	0.20	90%	0.01	1,792	0.00009	
6/6/2022		100%	6.0	82	6.0	0.35	505	150	9.5	NM	1,406	840								
6/14/2022		100%	3.0	41	2.5	0.35	505	150	NM	NM	1,408	847								

Table 4

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

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

**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	--

**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-2	4/2/1997	17.52	--	--	0.11	7.72	9.88	--
R-2	7/8/1997	17.52	--	--	--	6.47	11.05	--
R-2	8/19/1997	17.52	--	--	0.02	7.76	9.78	--
R-2	9/17/1997	17.52	--	--	--	7.67	9.85	--
R-2	4/30/1998	17.52	--	--	0.03	6.43	11.11	--
R-2	5/24/2001	17.52	--	--	0.35	8.25	9.53	--
R-2	11/24/2002	20.28	--	--	--	6.69	13.59	13.59
R-2	6/29/2007	20.28	--	--	--	6.72	13.56	13.56
R-2	10/22/2007	20.28	--	--	Not Monitored			NM
R-2	11/28/2007	20.28	--	--	Not Monitored			NM
R-2	12/13/2007	20.28	--	--	--	7.76	12.52	12.52
R-2	1/21/2008	20.28	--	--	--	5.83	14.45	14.45
R-2	2/24/2008	20.28	--	--	Not Monitored			--
R-2	3/24/2008	20.28	--	--	--	6.19	14.09	14.09
R-2	8/25/2008	20.28	--	--	Not Monitored			--
R-2	2/18/2009	20.28	--	--	Not Monitored			NM
R-2	8/25/2009	20.28	--	--	Not Monitored			NM
R-2	3/22/2010	17.52	--	--	--	5.68	11.84	11.84
R-2	8/23/2010	17.52	--	--	--	6.85	10.67	10.67
R-2	2/7/2011	17.52	--	--	--	7.87	9.65	--
W-1	1/27/1993	18.86	--	--	0.19	5.71	13.29	--
W-1	3/12/1993	18.86	--	--	0.06	8.24	10.67	--
W-1	4/14/1993	18.86	--	--	--	8.22	10.64	--
W-1	6/30/1993	18.86	--	--	0.08	8.25	10.67	--
W-1	12/15/1993	18.86	--	--	--	8.60	10.26	--
W-1	2/8/1994	18.86	--	--	0.13	6.51	12.45	--
W-1	7/8/1994	18.86	--	--	--	8.64	10.22	--
W-1	8/12/1994	18.86	--	--	--	8.63	10.23	--
W-1	12/23/1994	18.86	--	--	--	5.48	13.38	--
W-1	2/3/1995	18.86	--	--	--	5.24	13.62	--
W-1	2/22/1995	18.86	--	--	0.03	7.13	11.75	--
W-1	3/24/1995	18.86	--	--	0.14	7.04	11.93	--
W-1	4/27/1995	18.86	--	--	--	6.75	12.11	--
W-1	5/15/1995	18.86	--	--	0.39	6.88	12.27	--
W-1	6/16/1995	18.86	--	--	0.45	7.34	11.86	--
W-1	8/25/1995	18.86	--	--	0.18	7.89	11.11	--
W-1	10/20/1995	18.86	--	--	0.12	8.60	10.35	--
W-1	4/4/1996	18.86	--	--	0.07	5.81	13.10	--
W-1	4/16/1996	18.86	--	--	0.12	5.07	13.88	--
W-1	5/10/1996	18.86	--	--	0.09	4.75	14.18	--
W-1	5/15/1996	18.86	--	--	0.11	4.74	14.20	--
W-1	5/22/1996	18.86	--	--	0.07	8.08	10.83	--
W-1	6/5/1996	18.86	--	--	0.02	8.12	10.76	--
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	--

**Groundwater Elevation Data
Phillips 66 Company
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
W-1	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	--

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
W-2	9/18/1997	18.28	--	--	0.07	7.40	10.93	--
W-2	4/30/1998	18.28	--	--	0.07	6.11	12.22	--
W-2	7/29/1999	18.28	--	--	--	6.50	11.78	--
W-2	5/23/2000	18.28	--	--	--	6.33	11.95	--
W-2	5/24/2001	18.28	--	--	--	8.10	10.18	--
W-2	6/5/2002	18.28	--	--	0.02	5.87	12.43	--
W-2	5/28/2003	18.28	--	--	sheen	7.32	10.96	--
W-2	6/15/2004	18.28	--	--	--	8.55	9.73	--
W-2	6/22/2005	18.28	--	--	--	5.71	12.57	--
W-2	6/5/2006	18.28	--	--	--	5.38	12.90	--
W-2	10/23/2006	18.28	--	--	--	7.63	10.65	--
W-2	3/14/2007	21.30	--	--	--	4.82	16.48	--
W-2	9/10/2007	21.30	--	--	--	8.97	12.33	--
W-2	11/28/2007	21.30	--	--	--	8.15	13.15	13.15
W-2	12/13/2007	21.30	--	--	--	7.65	13.65	13.65
W-2	1/21/2008	21.30	--	--	--	7.58	13.72	13.72
W-2	2/24/2008	21.30	--	--	--	6.04	15.26	15.26
W-2	3/24/2008	21.30	--	--	--	6.78	14.52	14.52
W-2	6/2/2008	21.30	--	--	--	8.25	13.05	--
W-2	8/25/2008	21.30	--	--	--	8.51	12.79	12.79
W-2	2/18/2009	21.30	--	--	Not Monitored			NM
W-2	8/25/2009	21.30	--	--	Not Monitored			NM
W-2	3/22/2010	21.30	--	--	--	4.78	16.52	16.52
W-2	8/23/2010	21.30	--	--	--	6.79	14.51	14.51
W-2	2/7/2011	21.30	--	--	--	5.99	15.31	--
W-2	5/27/2011	21.30	--	--	--	7.61	13.69	--
W-2	8/8/2011	21.30	--	--	--	8.38	12.92	--
W-2	11/14/2011	21.30	--	--	--	8.46	12.84	--
W-2	2/20/2012	21.30	--	--	--	7.60	13.70	--
W-2	8/22/2012	21.30	--	--	--	7.20	14.10	--
W-2	11/5/2012	21.30	--	--	--	8.39	12.91	--
W-2	5/9/2013	21.30	--	--	--	7.56	13.74	--
W-2	8/19/2013	21.30	--	--	--	8.71	12.59	--
W-2	11/25/2013	21.30	--	--	--	7.72	13.58	--
W-2	2/14/2014	21.30	--	--	--	7.60	13.70	--
W-2	5/5/2014	21.30	--	--	--	7.58	13.72	--
W-2	8/19/2014	21.30	--	--	--	8.91	12.39	--
W-2	11/21/2014	21.30	--	--	--	6.37	14.93	--
W-3	1/27/1993	17.10	--	--	--	5.42	11.68	--
W-3	3/12/1993	17.10	--	--	--	6.11	10.99	--
W-3	4/14/1993	17.10	--	--	--	5.88	11.22	--
W-3	12/15/1993	17.10	--	--	--	5.59	11.51	--
W-3	11/4/1994	17.10	--	--	--	7.72	9.38	--
W-3	2/22/1995	17.10	--	--	--	5.82	11.28	--
W-3	6/16/1995	17.10	--	--	--	6.37	10.73	--
W-3	10/20/1995	17.10	--	--	--	6.17	10.93	--
W-3	4/4/1996	17.10	--	--	--	5.19	11.91	--
W-3	4/16/1996	17.10	--	--	--	4.86	12.24	--
W-3	5/10/1996	17.10	--	--	--	4.83	12.27	--
W-3	5/15/1996	17.10	--	--	--	4.71	12.39	--
W-3	5/22/1996	17.10	--	--	--	5.78	11.32	--
W-3	6/5/1996	17.10	--	--	--	6.07	11.03	--
W-3	6/24/1996	17.10	--	--	--	6.30	10.80	--
W-3	7/15/1996	17.10	--	--	--	6.65	10.45	--
W-3	9/18/1996	17.10	--	--	--	6.37	10.73	--
W-3	1/3/1997	17.10	--	--	--	3.72	13.38	--
W-3	4/2/1997	17.10	--	--	0.04	5.83	11.30	--
W-3	5/1/1997	17.10	--	--	--	5.80	11.30	--
W-3	4/29/1998	17.10	--	--	--	5.81	11.29	--
W-3	7/30/1999	17.10	--	--	--	6.11	10.99	--
W-3	5/23/2000	17.10	--	--	--	5.55	11.55	--
W-3	5/22/2001	17.10	--	--	--	6.10	11.00	--
W-3	6/4/2002	17.10	--	--	--	5.78	11.32	--
W-3	5/28/2003	17.10	--	--	--	6.26	10.84	--

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
W-3	6/16/2004	17.10	--	--	0.02	6.23	10.89	--
W-3	6/21/2005	17.10	--	--	--	5.75	11.35	--
W-3	6/5/2006	17.10	--	--	--	5.43	11.67	--
W-3	10/23/2006	17.10	--	--	--	6.22	10.88	--
W-3	3/14/2007	19.95	--	--	--	4.74	15.21	--
W-3	9/10/2007	19.95	--	--	--	6.55	13.40	--
W-3	11/28/2007	19.95	--	--	--	8.84	11.11	11.11
W-3	12/13/2007	19.95	--	--	--	5.79	14.16	14.16
W-3	1/21/2008	19.95	--	--	--	5.44	14.51	14.51
W-3	2/24/2008	19.95	--	--	--	5.77	14.18	14.18
W-3	3/24/2008	19.95	--	--	--	5.75	14.20	14.20
W-3	6/2/2008	19.95	--	--	--	6.20	13.75	--
W-3	8/25/2008	19.95	--	--	--	5.79	14.16	14.16
W-3	2/18/2009	19.95	--	--	Not Monitored			NM
W-3	8/25/2009	19.95	--	--	Not Monitored			NM
W-3	3/22/2010	19.95	--	--	--	4.61	15.34	15.34
W-3	8/23/2010	19.95	--	--	--	5.84	14.11	14.11
W-3	2/7/2011	19.95	--	--	--	4.69	15.26	--
W-3	5/27/2011	19.95	--	--	Not Monitored			
W-3	8/8/2011	19.95	--	--	Dry			
W-3	11/14/2011	19.95	--	--	Dry			
W-3	2/20/2012	19.95	--	--	Dry			
W-3	8/22/2012	19.95	--	--	Dry			
W-3	11/5/2012	19.95	--	--	--	4.98	14.97	--
W-3	1/28/2013	19.95	--	--	--	4.01	15.94	--
W-3	5/9/2013	19.95	DRY					
W-3	8/19/2013	19.95	DRY					
W-3	5/5/2014	19.95	--	--	--	3.61	16.34	--
W-3	8/19/2014	19.95	--	--	DRY			
W-3	11/21/2014	19.95	--	--	--	4.59	15.36	--
W-4	1/27/1993	18.03	--	--	--	4.43	13.60	--
W-4	3/12/1993	18.03	--	--	--	7.43	10.60	--
W-4	4/14/1993	18.03	--	--	--	7.32	10.71	--
W-4	12/15/1993	18.03	--	--	--	6.59	11.44	--
W-4	11/4/1994	18.03	--	--	--	8.20	9.83	--
W-4	2/22/1995	18.03	--	--	--	7.17	10.86	--
W-4	6/16/1995	18.03	--	--	--	7.55	10.48	--
W-4	10/20/1995	18.03	--	--	--	7.67	10.36	--
W-4	4/4/1996	18.03	--	--	--	6.12	11.91	--
W-4	4/16/1996	18.03	--	--	--	5.74	12.29	--
W-4	5/10/1996	18.03	--	--	--	5.99	12.04	--
W-4	5/15/1996	18.03	--	--	--	5.67	12.36	--
W-4	5/22/1996	18.03	--	--	--	7.20	10.83	--
W-4	6/5/1996	18.03	--	--	--	7.41	10.62	--
W-4	6/24/1996	18.03	--	--	--	7.49	10.54	--
W-4	7/15/1996	18.03	--	--	--	7.73	10.30	--
W-4	1/3/1997	18.03	--	--	--	4.80	13.23	--
W-4	4/2/1997	18.03	--	--	--	7.37	10.66	--
W-4	5/1/1997	18.03	--	--	--	7.34	10.69	--
W-4	4/29/1998	18.03	--	--	--	6.84	11.19	--
W-4	7/30/1999	18.03	--	--	--	7.30	10.73	--
W-4	5/23/2001	18.03	--	--	0.03	7.71	10.34	--
W-4	6/4/2002	18.03	--	--	--	6.84	11.19	--
W-4	5/28/2003	18.03	--	--	sheen	7.68	10.35	--
W-4	6/15/2004	18.03	--	--	0.02	7.65	10.40	--
W-4	6/21/2005	18.03	--	--	--	6.78	11.25	--
W-4	6/5/2006	18.03	--	--	--	6.23	11.80	--
W-4	10/23/2006	18.03	--	--	--	7.67	10.36	--
W-4	3/14/2007	20.91	--	--	--	5.70	15.21	--
W-4	9/10/2007	20.91	--	--	--	8.20	12.71	--
W-4	11/28/2007	20.91	--	--	--	7.68	13.23	13.23
W-4	12/13/2007	20.91	--	--	--	7.40	13.51	13.51
W-4	1/21/2008	20.91	--	--	--	6.30	14.61	14.61
W-4	2/24/2008	20.91	--	--	--	6.81	14.10	14.10

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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	--

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
B-1	2/20/2012	21.61	--	--	--	4.82	16.79	--
B-1	8/22/2012	21.61	--	--	--	7.50	14.11	--
B-1	11/5/2012	21.61	--	--	--	7.21	14.40	--
B-1	1/28/2013	21.61	--	--	--	4.93	16.68	--
B-1	5/9/2013	21.61	--	--	--	5.64	15.97	--
B-1	8/19/2013	21.61	--	--	--	7.96	13.65	--
B-1	11/25/2013	21.61	--	--	--	6.03	15.58	--
B-1	2/14/2014	21.61	--	--	--	5.45	16.16	--
B-1	5/5/2014	21.61	--	--	--	4.23	17.38	--
B-1	8/19/2014	21.61	--	--	--	7.75	13.86	--
B-1	11/21/2014	21.61	--	--	--	5.71	15.90	--
B-2	1/27/1993	18.60	--	--	1.08	6.20	13.21	--
B-2	3/12/1993	18.60	--	--	0.24	8.15	10.63	--
B-2	4/14/1993	18.60	--	--	1.25	8.82	10.72	--
B-2	6/30/1993	18.60	--	--	0.75	8.47	10.69	--
B-2	12/15/1993	18.60	--	--	0.21	8.62	10.14	--
B-2	2/8/1994	18.60	--	--	0.50	6.63	12.35	--
B-2	7/8/1994	18.60	--	--	--	8.95	9.65	--
B-2	8/12/1994	18.60	--	--	--	9.34	9.26	--
B-2	9/21/1994	18.60	--	--	0.10	9.70	8.98	--
B-2	11/4/1994	18.60	--	--	0.12	9.68	9.01	--
B-2	12/23/1994	18.60	--	--	--	5.18	13.42	--
B-2	2/3/1995	18.60	--	--	Not Monitored			--
B-2	2/22/1995	18.60	--	--	0.03	6.03	12.59	--
B-2	5/15/1995	18.60	--	--	0.04	6.46	12.17	--
B-2	6/16/1995	18.60	--	--	--	6.92	11.68	--
B-2	10/20/1995	18.60	--	--	--	8.10	10.50	--
B-2	4/4/1996	18.60	--	--	0.83	5.40	13.82	--
B-2	4/16/1996	18.60	--	--	--	4.80	13.80	--
B-2	5/10/1996	18.60	--	--	0.43	4.88	14.04	--
B-2	5/15/1996	18.60	--	--	0.42	4.85	14.07	--
B-2	5/22/1996	18.60	--	--	0.05	7.14	11.50	--
B-2	6/5/1996	18.60	--	--	--	5.62	12.98	--
B-2	6/24/1996	18.60	--	--	--	8.17	10.43	--
B-2	7/15/1996	18.60	--	--	--	8.65	9.95	--
B-2	8/23/1996	18.60	--	--	--	9.08	9.52	--
B-2	9/18/1996	18.60	--	--	--	9.33	9.27	--
B-2	1/3/1997	18.60	--	--	--	3.91	14.69	--
B-2	3/12/1997	18.60	--	--	--	7.05	11.55	--
B-2	4/2/1997	18.60	--	--	--	7.15	11.45	--
B-2	5/1/1997	18.60	--	--	--	7.49	11.11	--
B-2	7/8/1997	18.60	--	--	0.02	6.03	12.59	--
B-2	8/19/1997	18.60	--	--	--	8.43	10.17	--
B-2	8/26/1997	18.60	--	--	--	8.52	10.08	--
B-2	9/18/1997	18.60	--	--	--	7.70	10.90	--
B-2	4/29/1998	18.60	--	--	--	6.47	12.13	--
B-2	7/30/1999	18.60	--	--	--	7.00	11.60	--
B-2	5/23/2000	18.60	--	--	--	6.67	11.93	--
B-2	5/24/2001	18.60	--	--	0.14	8.24	10.47	--
B-2	6/5/2002	18.60	--	--	0.31	6.56	12.27	--
B-2	5/29/2003	18.60	--	--	--	7.75	10.85	--
B-2	6/15/2004	18.60	--	--	--	8.76	9.84	--
B-2	6/20/2005	18.60	--	--	0.29	6.34	12.48	--
B-2	6/5/2006	18.60	--	--	0.02	8.87	9.75	--
B-2	10/23/2006	18.60	--	--	--	8.15	10.45	--
B-2	3/14/2007	21.82	--	--	--	5.23	16.59	--
B-2	9/10/2007	21.82	--	--	--	9.31	12.51	--
B-2	11/28/2007	21.82	3.85	17.97	1.50	5.35	17.60	18.72
B-2	12/13/2007	21.82	4.16	17.66	3.37	7.53	16.82	19.35
B-2	1/21/2008	21.82	--	--	--	7.08	14.74	14.74
B-2	2/24/2008	21.82	--	--	--	6.48	15.34	15.34
B-2	3/24/2008	21.82	--	--	--	7.19	14.63	14.63
B-2	6/2/2008	21.82	--	--	--	8.47	13.35	--
B-2	8/25/2008	21.82	--	--	--	8.85	12.97	12.97

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

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B-3	10/23/2006	18.73	--	--	0.91	9.05	10.36	--
B-3	3/14/2007	21.77	--	--	0.08	5.56	16.27	--
B-3	9/10/2007	21.77	--	--	0.08	10.21	11.62	--
B-3A	11/28/2007	21.77	--	--	--	8.60	13.17	13.17
B-3A	12/13/2007	21.77	--	--	--	7.96	13.81	13.81
B-3A	1/21/2008	21.77	--	--	--	7.09	14.68	14.68
B-3A	2/24/2008	21.77	--	--	--	6.69	15.08	15.08
B-3A	3/24/2008	21.77	--	--	--	7.38	14.39	14.39
B-3A	6/2/2008	21.85	--	--	--	8.62	13.23	--
B-3A	8/25/2008	21.85	--	--	--	8.93	12.92	12.92
B-3A	2/18/2009	21.85	--	--	Not Monitored			NM
B-3A	8/25/2009	21.85	--	--	Not Monitored			NM
B-3A	3/22/2010	21.85	--	--	--	5.31	16.54	16.54
B-3A	8/23/2010	21.85	7.31	14.54	0.23	7.54	14.48	14.66
B-3A	2/7/2011	21.85	--	--	--	6.56	15.29	--
B-3A	5/27/2011	21.85	--	--	--	7.75	14.10	--
B-3A	8/8/2011	21.85	--	--	--	8.61	13.24	--
B-3A	11/14/2011	21.85	--	--	--	8.87	12.98	--
B-3A	2/20/2012	21.85	--	--	--	7.69	14.16	--
B-3A	8/22/2012	21.85	--	--	--	7.79	14.06	--
B-3A	11/5/2012	21.85	--	--	--	9.07	12.78	--
B-3A	1/28/2013	21.85	--	--	--	5.31	16.54	--
B-3A	5/9/2013	21.85	--	--	--	7.54	14.31	--
B-3A	8/19/2013	21.85	9.08	12.77	0.03	9.11	12.76	--
B-3A	11/25/2013	21.85	--	--	--	8.04	13.81	--
B-3A	2/14/2014	21.85	--	--	--	7.67	14.18	--
B-3A	5/5/2014	21.85	--	--	--	7.41	14.44	--
B-3A	8/19/2014	21.85	--	--	--	9.51	12.34	--
B-3A	11/21/2014	21.85	--	--	--	6.79	15.06	--
B-3A	11/14/2016	21.85	--	--	--	5.55	16.30	--
B-3A	11/18/2016	--	--	--	--	--	--	--
B-3A	2/16/2017	21.85	--	--	--	4.43	17.42	--
B-3A	5/25/2017	21.85	--	--	--	5.23	16.62	--
B-3A	9/26/2017	21.85	--	--	--	8.69	13.16	--
B-3A	12/14/2017	21.85	--	--	--	4.97	16.88	--
B-3A	2/26/2018	21.85	--	--	--	5.05	16.80	--
B-3A	6/11/2018	21.85	--	--	--	7.05	14.80	--
B-3A	8/29/2018	21.85	--	--	--	8.58	13.27	--
B-3A	12/17/2018	21.85	--	--	--	5.50	16.35	--
B-4	1/27/1993	18.09	--	--	0.59	5.16	13.37	--
B-4	3/12/1993	18.09	--	--	0.03	7.48	10.63	--
B-4	4/14/1993	18.09	--	--	0.07	7.23	10.91	--
B-4	6/30/1993	18.09	--	--	--	7.20	10.89	--
B-4	12/15/1993	18.09	--	--	0.30	8.01	10.31	--
B-4	2/8/1994	18.09	--	--	0.78	6.29	12.39	--
B-4	7/8/1994	18.09	--	--	--	8.42	9.67	--
B-4	8/12/1994	18.09	--	--	--	8.79	9.30	--
B-4	9/21/1994	18.09	--	--	--	9.07	9.02	--
B-4	11/4/1994	18.09	--	--	--	8.94	9.15	--
B-4	12/23/1994	18.09	--	--	0.34	4.69	13.66	--
B-4	2/3/1995	18.09	--	--	0.90	5.00	13.77	--
B-4	2/22/1995	18.09	--	--	0.64	5.77	12.80	--
B-4	3/24/1995	18.09	--	--	0.90	6.09	12.68	--
B-4	4/27/1995	18.09	--	--	0.50	6.00	12.47	--
B-4	5/15/1995	18.09	--	--	0.44	6.24	12.18	--
B-4	6/16/1995	18.09	--	--	0.03	6.42	11.69	--
B-4	8/25/1995	18.09	--	--	--	7.14	10.95	--
B-4	10/20/1995	18.09	--	--	--	7.12	10.97	--
B-4	4/4/1996	18.09	--	--	--	5.03	13.06	--
B-4	4/16/1996	18.09	--	--	0.49	4.75	13.71	--
B-4	5/10/1996	18.09	--	--	0.92	4.71	14.07	--
B-4	5/15/1996	18.09	--	--	0.87	4.61	14.13	--
B-4	5/22/1996	18.09	--	--	0.68	7.10	11.50	--

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B-4	6/5/1996	18.09	--	--	0.10	7.17	11.00	--
B-4	6/24/1996	18.09	--	--	--	7.67	10.42	--
B-4	7/15/1996	18.09	--	--	--	8.13	9.96	--
B-4	8/23/1996	18.09	--	--	--	8.59	9.50	--
B-4	9/18/1996	18.09	--	--	--	8.78	9.31	--
B-4	1/3/1997	18.09	--	--	1.61	4.46	14.84	--
B-4	3/12/1997	18.09	--	--	0.10	6.45	11.72	--
B-4	4/2/1997	18.09	--	--	0.01	6.54	11.56	--
B-4	5/1/1997	18.09	--	--	--	6.87	11.22	--
B-4	8/19/1997	18.09	--	--	--	7.87	10.22	--
B-4	8/26/1997	18.09	--	--	--	8.08	10.01	--
B-4	9/18/1997	18.09	--	--	--	7.40	10.69	--
B-4	4/30/1998	18.09	--	--	0.02	5.93	12.18	--
B-4	7/29/1999	18.09	--	--	--	6.42	11.67	--
B-4	5/23/2000	18.09	--	--	--	6.10	11.99	--
B-4	5/23/2001	18.09	--	--	--	7.46	10.63	--
B-4	6/5/2002	18.09	--	--	0.48	6.18	12.27	--
B-4	5/29/2003	18.09	--	--	sheen	7.10	10.99	--
B-4	6/15/2004	18.09	--	--	0.05	8.20	9.93	--
B-4	6/20/2005	18.09	--	--	0.48	5.95	12.50	--
B-4	6/5/2006	18.09	--	--	0.55	5.67	12.83	--
B-4	10/23/2006	18.09	--	--	0.04	7.60	10.52	--
B-4	3/14/2007	21.28	--	--	0.21	4.66	16.78	--
B-4	9/10/2007	21.28	--	--	--	8.78	12.50	--
B-4	11/28/2007	21.28	--	--	--	7.62	13.66	13.66
B-4	12/13/2007	21.28	--	--	--	6.82	14.46	14.46
B-4	1/21/2008	21.28	--	--	Not Monitored	--	--	--
B-4	2/24/2008	21.28	--	--	--	5.88	15.40	15.40
B-4	3/24/2008	21.28	--	--	--	6.52	14.76	14.76
B-4	6/2/2008	21.28	--	--	--	7.96	13.32	--
B-4	8/25/2008	21.28	--	--	--	8.35	12.93	12.93
B-4	2/18/2009	21.28	--	--	Not Monitored	--	--	NM
B-4	8/25/2009	21.28	--	--	Not Monitored	--	--	NM
B-4	3/22/2010	21.28	4.64	16.64	0.46	5.10	16.53	16.55
B-4	8/23/2010	21.28	6.79	14.49	0.46	7.25	14.38	14.72
B-4	2/7/2011	21.28	5.46	15.82	0.19	5.65	15.77	--
B-4	5/27/2011	21.28	6.72	14.56	0.09	6.81	14.47	--
B-4	2/20/2012	21.28	--	--	--	6.49	14.79	--
B-4	8/22/2012	21.28	--	--	--	7.14	14.14	--
B-4	11/5/2012	21.28	--	--	--	7.91	13.37	--
B-4	1/28/2013	21.28	--	--	--	4.71	16.57	--
B-4	5/9/2013	21.28	6.46	14.82	0.13	6.59	14.79	--
B-4	8/19/2013	21.28	--	--	--	8.51	12.77	--
B-4	11/25/2013	21.28	--	--	--	7.09	14.19	--
B-4	2/14/2014	21.28	--	--	--	6.53	14.75	--
B-4	5/5/2014	21.28	--	--	--	6.78	14.50	--
B-4	8/19/2014	21.28	--	--	--	8.66	12.62	--
B-4	11/21/2014	21.28	--	--	--	6.08	15.20	--
B-4	11/14/2016	21.28	--	--	--	4.52	16.76	--
B-4	11/17/2016	21.28	--	--	--	--	--	--
B-4	2/16/2017	21.28	3.28	18.00	0.80	4.08	17.84	--
B-4	5/24/2017	21.28	4.08	17.20	0.41	4.49	17.12	--
B-4	9/26/2017	21.28	--	--	--	8.22	13.06	--
B-4	12/14/2017	21.28	--	--	--	3.90	17.38	--
B-4	2/26/2018	21.28	--	--	--	4.34	16.94	--
B-4	6/11/2018	21.28	--	--	--	6.70	14.58	--
B-4	8/29/2018	21.28	--	--	--	8.27	13.01	--
B-4	12/17/2018	21.28	--	--	--	4.50	16.78	--
B-4	3/11/2019	21.28	--	--	--	4.59	16.69	--
B-4	6/12/2019	21.28	--	--	--	6.28	15.00	--
B-4	12/4/2019	21.28	--	--	--	5.24	16.04	--
B-4	2/24/2020	21.28	--	--	--	3.71	17.57	--
B-4	6/12/2020	21.28	--	--	--	5.35	15.93	--
B-4	12/2/2020	21.28	--	--	--	4.67	16.61	--
B-4	3/16/2021	21.28	--	--	--	4.30	16.98	--

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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-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	--

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B-5	5/27/2011	20.95	--	--	--	7.39	13.56	--
B-5	11/14/2011	20.95	--	--	--	8.15	12.80	--
B-5	2/20/2012	20.95	--	--	--	7.13	13.82	--
B-5	8/22/2012	20.95	--	--	--	6.80	14.15	--
B-5	11/5/2012	20.95	--	--	--	7.71	13.24	--
B-5	1/28/2013	20.95	--	--	--	4.03	16.92	--
B-5	5/9/2013	20.95	--	--	--	6.92	14.03	--
B-5	8/19/2013	20.95	8.57	12.38	0.01	8.58	12.38	--
B-5	11/25/2013	20.95	--	--	--	7.69	13.26	--
B-5	2/14/2014	20.95	--	--	--	6.97	13.98	--
B-5	5/5/2014	20.95	--	--	--	6.65	14.30	--
B-5	8/19/2014	20.95	--	--	--	8.67	12.28	--
B-5	11/21/2014	20.95	--	--	--	5.78	15.17	--
B-5	2/16/2017	20.95	2.93	18.02	0.03	2.96	18.01	--
								--
B-6	1/27/1993	17.94	--	--	--	6.15	11.79	--
B-6	3/12/1993	17.94	--	--	--	7.86	10.08	--
B-6	4/14/1993	17.94	--	--	--	7.89	10.05	--
B-6	6/30/1993	17.94	--	--	--	7.26	10.68	--
B-6	12/15/1993	17.94	--	--	--	7.69	10.25	--
B-6	2/8/1994	17.94	--	--	--	5.61	12.33	--
B-6	7/8/1994	17.94	--	--	--	8.52	9.42	--
B-6	8/12/1994	17.94	--	--	0.76	9.38	9.13	--
B-6	9/21/1994	17.94	--	--	1.37	10.08	8.89	--
B-6	11/4/1994	17.94	--	--	1.76	10.48	8.78	--
B-6	12/23/1994	17.94	--	--	--	4.77	13.17	--
B-6	2/3/1995	17.94	--	--	0.05	4.79	13.19	--
B-6	2/22/1995	17.94	--	--	0.01	5.07	12.88	--
B-6	3/24/1995	17.94	--	--	0.77	6.97	11.55	--
B-6	4/27/1995	17.94	--	--	0.10	3.65	14.37	--
B-6	5/15/1995	17.94	--	--	0.46	6.10	12.19	--
B-6	6/16/1995	17.94	--	--	0.69	6.71	11.75	--
B-6	8/25/1995	17.94	--	--	0.37	7.20	11.02	--
B-6	10/20/1995	17.94	--	--	0.18	7.54	10.54	--
B-6	4/4/1996	17.94	--	--	1.46	5.79	13.25	--
B-6	4/16/1996	17.94	--	--	2.24	5.92	13.70	--
B-6	5/10/1996	17.94	--	--	2.20	5.64	13.95	--
B-6	5/15/1996	17.94	--	--	2.33	5.72	13.97	--
B-6	5/17/1996	17.94	--	--	Not Monitored			--
B-6	5/22/1996	17.94	--	--	--	7.34	10.60	--
B-6	6/5/1996	17.94	--	--	0.41	8.00	10.25	--
B-6	6/24/1996	17.94	--	--	0.25	8.20	9.93	--
B-6	7/15/1996	17.94	--	--	0.59	8.77	9.61	--
B-6	8/23/1996	17.94	--	--	0.92	9.34	9.29	--
B-6	9/18/1996	17.94	--	--	0.91	9.51	9.11	--
B-6	1/3/1997	17.94	--	--	--	3.71	14.23	--
B-6	3/12/1997	17.94	--	--	--	7.01	10.93	--
B-6	4/2/1997	17.94	--	--	--	7.56	10.38	--
B-6	5/1/1997	17.94	--	--	--	7.65	10.29	--
B-6	8/19/1997	17.94	--	--	--	7.81	10.13	--
B-6	9/17/1997	17.94	--	--	--	7.00	10.94	--
B-6	4/29/1998	17.94	--	--	--	5.89	12.05	--
B-6	7/29/1999	17.94	--	--	--	6.15	11.79	--
B-6	5/24/2001	17.94	--	--	--	8.05	9.89	--
B-6	6/5/2002	17.94	--	--	0.10	5.65	12.37	--
B-6	5/29/2003	17.94	--	--	--	7.08	10.86	--
B-6	6/15/2004	17.94	--	--	--	8.42	9.52	--
B-6	6/22/2005	17.94	--	--	--	5.44	12.50	--
B-6	6/5/2006	17.94	--	--	--	5.10	12.84	--
B-6	10/23/2006	17.94	--	--	--	7.34	10.60	--
B-6	3/14/2007	21.00	--	--	--	4.46	16.54	--
B-6	9/10/2007	21.00	--	--	--	8.76	12.24	--
B-6	11/28/2007	21.00	--	--	--	9.50	11.50	11.50
B-6	12/13/2007	21.00	--	--	--	1.79	19.21	19.21

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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	--
D-1	1/27/1993	18.03	--	--	--	5.53	12.50	--
D-1	3/12/1993	18.03	--	--	--	6.65	11.38	--
D-1	4/14/1993	18.03	--	--	--	5.84	12.19	--
D-1	12/15/1993	18.03	--	--	--	6.59	11.44	--
D-1	11/4/1994	18.03	--	--	--	7.55	10.48	--
D-1	2/22/1995	18.03	--	--	--	5.90	12.13	--
D-1	6/16/1995	18.03	--	--	--	6.86	11.17	--
D-1	10/20/1995	18.03	--	--	--	6.60	11.43	--
D-1	4/4/1996	18.03	--	--	--	6.44	11.59	--
D-1	4/16/1996	18.03	--	--	--	6.36	11.67	--
D-1	5/1/1997	18.03	--	--	--	6.06	11.97	--
D-1R	11/14/2011	20.13	--	--	--	8.66	11.47	--
D-1R	2/20/2012	20.13	--	--	--	7.31	12.82	--
D-1R	8/22/2012	20.13	--	--	--	9.49	10.64	--
D-1R	11/5/2012	20.13	--	--	--	7.77	12.36	--
D-1R	1/28/2013	20.13	--	--	--	7.78	12.35	--
D-1R	5/9/2013	20.13	--	--	--	8.33	11.80	--
D-1R	8/19/2013	20.13	--	--	--	10.28	9.85	--

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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-4	11/4/1994	17.82	--	--	--	6.44	11.38	--
D-4	2/22/1995	17.82	--	--	--	3.95	13.87	--
D-4	6/16/1995	17.82	--	--	--	6.37	11.45	--
D-4	10/20/1995	17.82	--	--	--	6.10	11.72	--
D-4	4/4/1996	17.82	--	--	--	5.17	12.65	--
D-4	4/16/1996	17.82	--	--	--	5.40	12.42	--
D-4	4/30/1998	17.82	--	--	--	5.68	12.14	--
D-4	6/5/2002	17.82	--	--	Dry	--	--	--
D-4	5/27/2003	17.82	--	--	Dry	--	--	--
D-4	6/15/2004	17.82	--	--	Dry	--	--	--
D-4	6/21/2005	17.82	--	--	--	5.90	11.92	--
D-4	6/5/2006	17.82	--	--	--	4.77	13.05	--
D-4	10/23/2006	17.82	--	--	--	5.82	DRY	--
D-4	3/14/2007	21.09	--	--	--	5.30	15.79	--
D-4	9/10/2007	21.09	--	--	--	5.57	15.52	--
D-4	11/28/2007	21.09	--	--	--	4.10	16.99	16.99
D-4	12/13/2007	21.09	--	--	--	5.00	16.09	16.09
D-4	1/21/2008	21.09	--	--	--	6.00	15.09	15.09
D-4	2/24/2008	21.09	--	--	--	4.15	16.94	16.94
D-4	3/24/2008	21.09	--	--	--	3.47	17.62	17.62
D-4	6/2/2008	21.09	--	--	Dry	--	--	--
D-4	8/25/2008	21.09	--	--	--	2.89	18.20	18.20
D-4	2/18/2009	21.09	--	--	Not Monitored	--	--	NM
D-4	8/25/2009	21.09	--	--	Not Monitored	--	--	NM
D-4	3/22/2010	21.09	--	--	--	5.41	15.68	15.68
D-4	8/23/2010	21.09	--	--	--	5.75	15.34	15.34
D-4	2/7/2011	21.09	--	--	--	2.93	18.16	--
D-4	5/27/2011	21.09	--	--	--	4.87	16.22	--
D-4	8/8/2011	21.09	--	--	Dry	--	--	--
D-4	10/13/2011				Decommissioned Well and Replaced With D-4R			
D-4R	11/14/2011	21.27	--	--	--	9.06	12.21	--
D-4R	2/20/2012	21.27	--	--	--	7.85	13.42	--

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
D-4R	8/22/2012	21.27	--	--	--	10.22	11.05	--
D-4R	11/5/2012	21.27	--	--	--	8.37	12.90	--
D-4R	1/28/2013	21.27	--	--	--	8.11	13.16	--
D-4R	5/9/2013	21.27	--	--	--	8.71	12.56	--
D-4R	8/19/2013	21.27	--	--	--	10.97	10.30	--
D-4R	11/25/2013	21.27	--	--	--	8.38	12.89	--
D-4R	2/14/2014	21.27	--	--	--	7.71	13.56	--
D-4R	5/5/2014	21.27	--	--	--	7.11	14.16	--
D-4R	8/19/2014	21.27	--	--	--	9.56	11.71	--
D-4R	11/21/2014	21.27	--	--	--	7.90	13.37	--
D-4R	11/14/2016	21.27	--	--	--	6.69	14.58	--
D-4R	11/16/2016	--	--	--	--	--	--	--
D-4R	2/16/2017	21.27	--	--	--	5.23	16.04	--
D-4R	5/24/2017	21.27	--	--	--	7.10	14.17	--
D-4R	9/26/2017	21.27	--	--	--	10.23	11.04	--
D-4R	9/27/2017	--	--	--	--	--	--	--
D-4R	12/13/2017	21.27	--	--	--	6.36	14.91	--
D-4R	2/26/2018	21.27	--	--	--	6.99	14.28	--
D-4R	6/11/2018	21.27	--	--	--	8.73	12.54	--
D-4R	6/27/2018	21.27	--	--	--	9.78	11.49	--
D-4R	8/29/2018	21.27	--	--	--	10.84	10.43	--
D-4R	12/17/2018	21.27	--	--	--	6.90	14.37	--
D-5	1/27/1993	18.12	--	--	--	5.51	12.61	--
D-5	4/14/1993	18.12	--	--	--	5.58	12.54	--
D-5	12/15/1993	18.12	--	--	--	6.55	11.57	--
D-5	11/4/1994	18.12	--	--	--	6.56	11.56	--
D-5	2/22/1995	18.12	--	--	--	4.10	14.02	--
D-5	6/16/1995	18.12	--	--	--	6.77	11.35	--
D-5	10/20/1995	18.12	--	--	--	6.55	11.57	--
D-5	4/4/1996	18.12	--	--	--	4.51	13.61	--
D-5	4/16/1996	18.12	--	--	--	4.94	13.18	--
D-5	5/1/1997	18.12	--	--	--	6.50	11.62	--
D-5	4/30/1998	18.12	--	--	--	6.61	11.51	--
D-5	5/27/2003	18.12	--	--	Dry	--	--	--
D-5	6/15/2004	18.12	--	--	Dry	--	--	--
D-5	6/21/2005	18.12	--	--	Dry	--	--	--
D-5	6/5/2006	18.12	--	--	--	6.51	11.61	--
D-5	10/23/2006	18.12	--	--	Dry	--	--	--
D-5	3/14/2007	21.33	--	--	Dry	--	--	--
D-5	9/10/2007	21.33	--	--	Dry	--	--	--
D-5	11/28/2007	21.33	--	--	--	6.74	14.59	14.59
D-5	12/13/2007	21.33	--	--	--	2.30	19.03	19.03
D-5	1/21/2008	21.33	--	--	Not Monitored	--	--	--
D-5	2/24/2008	21.33	--	--	--	6.23	15.10	15.10
D-5	3/24/2008	21.33	--	--	Dry	--	--	--
D-5	6/2/2008	21.33	--	--	Dry	--	--	--
D-5	8/25/2008	21.33	--	--	--	6.91	14.42	14.42
D-5	2/18/2009	21.33	--	--	Not Monitored	--	--	NM
D-5	8/25/2009	21.33	--	--	Not Monitored	--	--	NM
D-5	3/22/2010	21.33	--	--	Dry	--	--	--
D-5	8/23/2010	21.33	--	--	--	6.82	14.51	14.51
D-5	2/7/2011	21.33	--	--	--	6.90	14.43	--
D-5	5/27/2011	21.33	--	--	Not Monitored	--	--	--
D-5	8/8/2011	21.33	--	--	Dry	--	--	--
D-5	10/6/2011				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	--

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
D-5R	2/14/2014	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

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
D-6	3/24/2008	20.61	--	--	--	5.76	14.85	14.85
D-6	6/2/2008	20.61	--	--	--	6.75	13.86	--
D-6	8/25/2008	20.61	--	--	--	7.51	13.10	13.10
D-6	2/18/2009	20.61	--	--	Not Monitored			NM
D-6	8/25/2009	20.61	--	--	Not Monitored			NM
D-6	3/22/2010	20.61	--	--	--	3.85	16.76	16.76
D-6	8/23/2010	20.61	--	--	--	5.99	14.62	14.62
D-6	2/7/2011	20.61	--	--	--	3.50	17.11	--
D-6	5/27/2011	20.61	--	--	--	5.40	15.21	--
D-6	8/8/2011	20.61	--	--	--	7.05	13.56	--
D-6	11/14/2011	20.61	--	--	--	5.95	14.66	--
D-6	2/20/2012	20.61	--	--	--	5.60	15.01	--
D-6	8/22/2012	20.61	--	--	--	6.52	14.09	--
D-6	11/5/2012	20.61	--	--	--	7.26	13.35	--
D-6	5/9/2013	20.61	--	--	--	5.48	15.13	--
D-6	8/19/2013	20.61	--	--	--	7.64	12.97	--
D-6	11/25/2013	20.61	--	--	--	6.26	14.35	--
D-6	2/14/2014	20.61	--	--	--	6.22	14.39	--
D-6	5/5/2014	20.61	--	--	--	4.36	16.25	--
D-6	8/19/2014	20.61	--	--	--	7.69	12.92	--
D-6	11/21/2014	20.61	--	--	--	6.79	13.82	--
D-7	1/27/1993	17.69	--	--	--	5.07	12.62	--
D-7	3/12/1993	17.69	--	--	--	6.38	11.31	--
D-7	4/14/1993	17.69	--	--	--	6.38	11.31	--
D-7	12/15/1993	17.69	--	--	--	7.37	10.32	--
D-7	7/8/1994	17.69	--	--	--	7.14	10.55	--
D-7	8/12/1994	17.69	--	--	--	7.14	10.55	--
D-7	11/4/1994	17.69	--	--	--	7.94	9.75	--
D-7	12/23/1994	17.69	--	--	--	7.14	10.55	--
D-7	2/3/1995	17.69	--	--	--	4.59	13.10	--
D-7	2/22/1995	17.69	--	--	--	5.31	12.38	--
D-7	3/24/1995	17.69	--	--	--	5.35	12.34	--
D-7	4/27/1995	17.69	--	--	--	5.18	12.51	--
D-7	5/15/1995	17.69	--	--	--	5.50	12.19	--
D-7	6/16/1995	17.69	--	--	--	5.95	11.74	--
D-7	8/25/1995	17.69	--	--	--	6.59	11.10	--
D-7	10/20/1995	17.69	--	--	--	6.00	11.69	--
D-7	3/24/1996	17.69	--	--	--	5.35	12.34	--
D-7	4/4/1996	17.69	--	--	--	4.30	13.39	--
D-7	4/16/1996	17.69	--	--	--	4.01	13.68	--
D-7	4/2/1997	17.69	--	--	--	6.04	11.65	--
D-7	5/1/1997	17.69	--	--	--	6.30	11.39	--
D-7	4/30/1998	17.69	--	--	--	5.85	11.84	--
D-7	5/23/2000	17.69	--	--	--	6.11	11.58	--
D-7	5/23/2001	17.69	--	--	--	6.85	10.84	--
D-7	6/4/2002	17.69	--	--	--	5.51	12.18	--
D-7	5/27/2003	17.69	--	--	--	6.36	11.33	--
D-7	6/15/2004	17.69	--	--	--	7.24	10.45	--
D-7	6/22/2005	17.69	--	--	--	5.11	12.58	--
D-7	6/5/2006	17.69	--	--	--	4.74	12.95	--
D-7	10/23/2006	17.69	--	--	--	7.04	10.65	--
D-7	3/14/2007	20.49	--	--	--	3.83	16.66	--
D-7	9/10/2007	20.49	--	--	--	7.67	12.82	--
D-7	11/28/2007	20.49	--	--	--	6.92	13.57	13.57
D-7	12/13/2007	20.49	--	--	--	2.36	18.13	18.13
D-7	1/21/2008	20.49	--	--	--	9.97	10.52	10.52
D-7	2/24/2008	20.49	--	--	--	6.03	14.46	14.46
D-7	3/24/2008	20.49	--	--	Not Monitored			--
D-7	6/2/2008	20.49	--	--	--	6.25	14.24	--
D-7	8/25/2008	20.49	--	--	--	7.42	13.07	13.07
D-7	2/18/2009	20.49	--	--	Not Monitored			NM
D-7	8/25/2009	20.49	--	--	Not Monitored			NM
D-7	3/22/2010	20.49	--	--	--	4.41	16.08	16.08
D-7	8/23/2010	20.49	--	--	--	5.96	14.53	14.53

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D-7	2/7/2011	20.49	--	--	--	5.36	15.13	--
D-7	5/27/2011	20.49	--	--	--	5.92	14.57	--
D-7	8/8/2011	20.49	--	--	--	6.85	13.64	--
D-7	11/14/2011	20.49	--	--	--	4.81	15.68	--
D-7	2/20/2012	20.49	--	--	--	5.04	15.45	--
D-7	8/22/2012	20.49	--	--	--	6.73	13.76	--
D-7	11/5/2012	20.49	--	--	--	7.06	13.43	--
D-7	1/28/2013	20.49	--	--	--	3.53	16.96	--
D-7	5/9/2013	20.49	--	--	--	5.85	14.64	--
D-7	8/19/2013	20.49	--	--	--	7.41	13.08	--
D-7	11/25/2013	20.49	--	--	--	6.18	14.31	--
D-7	2/14/2014	20.49	--	--	--	5.29	15.20	--
D-7	5/5/2014	20.49	--	--	--	4.56	15.93	--
D-7	8/19/2014	20.49	--	--	--	7.42	13.07	--
D-7	11/21/2014	20.49	--	--	--	5.30	15.19	--
DPE-1	11/15/2016	--	--	--	--	8.90	--	--
DPE-1	2/16/2017	--	--	--	--	7.73	--	--
DPE-1	5/24/2017	15.46	--	--	--	8.97	6.49	--
DPE-1	7/11/2017	--	--	--	--	11.01	--	--
DPE-1	9/26/2017	25.66	12.4	13.26	0.02	12.42	13.26	--
DPE-1	12/11/2017	25.66	--	--	--	6.88	18.78	--
DPE-1	2/26/2018	25.66	--	--	--	8.86	16.80	--
DPE-1	6/11/2018	25.66	--	--	--	10.67	14.99	--
DPE-1	12/17/2018	25.66	--	--	--	8.73	16.93	--
DPE-1	9/23/2019	25.66	--	--	--	10.96	14.70	--
DPE-1	9/16/2020	25.66	--	--	--	12.10	13.56	--
DPE-2	11/15/2016	--	--	--	--	8.81	--	--
DPE-2	2/16/2017	--	--	--	--	8.14	--	--
DPE-2	5/24/2017	16.28	--	--	--	9.38	6.90	--
DPE-2	7/11/2017	--	--	--	--	11.39	--	--
DPE-2	9/26/2017	25.15	--	--	--	12.37	12.78	--
DPE-2	12/11/2017	25.15	--	--	--	6.21	18.94	--
DPE-2	2/26/2018	25.15	--	--	--	8.79	16.36	--
DPE-2	6/11/2018	25.15	--	--	--	10.77	14.38	--
DPE-2	12/17/2018	25.15	--	--	--	8.98	16.17	--
DPE-2	9/23/2019	25.15	--	--	--	10.73	14.42	--
DPE-3	11/15/2016	--	--	--	--	8.44	--	--
DPE-3	2/16/2017	--	7.95	--	6.26	14.21	--	--
DPE-3	5/15/2017	--	9.24	--	6.09	15.33	--	--
DPE-3	5/24/2017	28.42	8.84	19.58	0.34	9.18	19.51	--
DPE-3	7/11/2017	--	11.42	--	0.01	11.43	--	--
DPE-3	9/26/2017	25.16	13.25	11.91	0.22	13.47	11.87	--
DPE-3	12/11/2017	25.16	--	--	--	9.28	15.88	--
DPE-3	2/26/2018	25.16	11.29	13.87	0.05	11.34	13.86	--
DPE-3	6/11/2018	25.16	14.25	10.91	0.02	14.27	10.91	--
DPE-3	12/17/2018	25.16	--	--	--	9.66	15.50	--
DPE-3	9/23/2019	25.16	--	--	--	10.63	14.53	--
DPE-3	2/24/2020	25.16	--	--	--	8.89	16.27	--
DPE-4	11/15/2016	--	--	--	--	9.94	--	--
DPE-4	2/16/2017	--	--	--	--	8.91	--	--
DPE-4	5/24/2017	17.82	--	--	--	9.48	8.34	--
DPE-4	7/11/2017	--	--	--	--	11.22	--	--
DPE-4	9/26/2017	25.25	--	--	--	12.19	13.06	--
DPE-4	12/11/2017	25.25	--	--	--	7.57	17.68	--
DPE-4	2/26/2018	25.25	--	--	--	9.67	15.58	--
DPE-4	6/11/2018	25.25	--	--	--	10.96	14.29	--
DPE-4	12/17/2018	25.25	--	--	--	9.35	15.90	--
DPE-4	9/23/2019	25.25	--	--	--	10.53	14.72	--
DPE-5	11/15/2016	--	--	--	--	7.01	--	--
DPE-5	2/16/2017	--	--	--	--	8.64	--	--
DPE-5	5/24/2017	17.28	--	--	--	9.83	7.45	--

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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-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-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	--

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DPE-14	11/15/2016	--	--	--	--	2.50	--	--
DPE-14	2/16/2017	--	--	--	--	2.56	--	--
DPE-14	5/24/2017	5.12	--	--	--	4.97	0.15	--
DPE-14	7/11/2017	--	--	--	--	7.60	--	--
DPE-14	9/26/2017	20.67	9.45	11.22	0.03	9.48	11.21	--
DPE-14	12/11/2017	20.67	--	--	--	4.77	15.90	--
DPE-14	2/26/2018	20.67	--	--	--	4.45	16.22	--
DPE-14	6/11/2018	20.67	--	--	--	7.06	13.61	--
DPE-14	12/17/2018	20.67	--	--	--	2.31	18.36	--
DPE-14	9/23/2019	20.67	--	--	--	8.93	11.74	--
DPE-15	11/15/2016	--	--	--	--	6.81	--	--
DPE-15	2/16/2017	--	7.04	--	0.04	7.08	--	--
DPE-15	5/24/2017	14.16	7.9	6.26	0.21	8.11	6.22	--
DPE-15	9/26/2017	20.62	9.92	10.7	0.24	10.16	10.65	--
DPE-15	12/11/2017	20.62	7.55	13.07	0.02	7.57	13.07	--
DPE-15	2/26/2018	20.62	7.17	13.45	0.07	7.24	13.38	--
DPE-15	6/11/2018	20.62	8.72	11.9	0.08	8.80	11.88	--
DPE-15	12/17/2018	20.62	--	--	--	7.13	13.49	--
DPE-15	9/23/2019	20.62	8.15	12.47	0.06	8.21	12.46	--
DPE-16	11/15/2016	--	--	--	--	6.84	--	--
DPE-16	2/16/2017	--	--	--	--	5.77	--	--
DPE-16	5/24/2017	11.54	--	--	--	6.81	4.73	--
DPE-16	7/11/2017	--	--	--	--	8.26	--	--
DPE-16	9/26/2017	20.44	--	--	--	8.57	11.87	--
DPE-16	12/11/2017	20.44	--	--	--	4.87	15.57	--
DPE-16	2/26/2018	20.44	--	--	--	4.77	15.67	--
DPE-16	6/11/2018	20.44	--	--	--	6.65	13.79	--
DPE-16	12/17/2018	20.44	--	--	--	5.08	15.36	--
DPE-16	9/23/2019	20.44	--	--	--	6.29	14.15	--
DPE-17	11/15/2016	--	--	--	--	6.71	--	--
DPE-17	2/16/2017	--	--	--	--	6.93	--	--
DPE-17	5/24/2017	13.86	--	--	--	7.86	6.00	--
DPE-17	7/11/2017	--	--	--	--	9.26	--	--
DPE-17	9/26/2017	20.43	--	--	--	9.79	10.64	--
DPE-17	12/11/2017	20.43	--	--	--	7.62	12.81	--
DPE-17	2/26/2018	20.43	--	--	--	7.70	12.73	--
DPE-17	6/11/2018	20.43	--	--	--	8.90	11.53	--
DPE-17	12/17/2018	20.43	--	--	--	7.56	12.87	--
DPE-17	9/23/2019	20.43	--	--	--	8.27	12.16	--
DPE-18	11/15/2016	--	--	--	--	6.30	--	--
DPE-18	2/16/2017	--	6.06	--	0.01	6.07	--	--
DPE-18	5/24/2017	12.14	--	--	--	7.53	4.61	--
DPE-18	9/26/2017	20.18	--	--	--	9.42	10.76	--
DPE-18	12/11/2017	20.18	--	--	--	6.69	13.49	--
DPE-18	2/26/2018	20.18	--	--	--	7.26	12.92	--
DPE-18	6/11/2018	20.18	--	--	--	9.38	10.80	--
DPE-18	12/17/2018	20.18	--	--	--	6.98	13.20	--
DPE-18	9/23/2019	20.18	--	--	--	7.85	12.33	--
DPE-19	11/15/2016	--	--	--	--	7.40	--	--
DPE-19	2/16/2017	--	--	--	--	6.74	--	--
DPE-19	5/24/2017	13.48	--	--	--	8.17	5.31	--
DPE-19	7/11/2017	--	--	--	--	9.62	--	--
DPE-19	9/26/2017	21.98	--	--	--	11.11	10.87	--
DPE-19	12/11/2017	21.98	--	--	--	7.60	14.38	--
DPE-19	2/26/2018	21.98	--	--	--	7.73	14.25	--
DPE-19	6/11/2018	21.98	--	--	--	9.36	12.62	--
DPE-19	12/17/2018	21.98	--	--	--	6.92	15.06	--
DPE-19	9/23/2019	21.98	--	--	--	8.60	13.38	--
DPE-20	11/15/2016	--	--	--	--	7.38	--	--

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DPE-20	2/16/2017	--	--	--	--	7.12	--	--
DPE-20	5/24/2017	14.24	--	--	--	8.02	6.22	--
DPE-20	7/11/2017	--	--	--	--	9.40	--	--
DPE-20	9/26/2017	20.49	--	--	--	10.02	10.47	--
DPE-20	12/11/2017	20.49	--	--	--	7.68	12.81	--
DPE-20	2/26/2018	20.49	--	--	--	7.88	12.61	--
DPE-20	6/11/2018	20.49	--	--	--	9.06	11.43	--
DPE-20	12/17/2018	20.49	--	--	--	7.69	12.80	--
DPE-20	9/23/2019	20.49	--	--	--	8.43	12.06	--
DPE-21	7/11/2017	--	--	--	--	8.37	--	--
DPE-21	9/23/2019	--	--	--	--	5.07	--	--
DPE-22	7/11/2017	--	--	--	--	9.39	--	--
DPE-22	6/11/2018	--	--	--	--	9.12	--	--
DPE-22	9/23/2019	--	--	--	--	8.24	--	--
DPE-23	7/11/2017	--	9.93	--	0.01	9.94	--	--
DPE-23	6/11/2018	--	--	--	--	9.52	--	--
DPE-23	9/23/2019	--	--	--	--	8.88	--	--
DPE-24	7/11/2017	--	--	--	--	10.25	--	--
DPE-24	6/11/2018	--	--	--	--	9.80	--	--
DPE-24	9/23/2019	--	--	--	--	8.50	--	--
DPE-25	7/8/2016	--	8.71	--	3.31	12.02	--	--
DPE-25	5/30/2017	--	7.45	--	4.51	11.96	--	--
DPE-25	7/11/2017	--	7.9	--	3.49	11.39	--	--
DPE-25	12/11/2017	--	7.42	--	0.29	7.71	--	--
DPE-25	6/11/2018	--	8.58	--	2.32	10.90	--	--
DPE-25	3/11/2019	--	7.44	--	0.06	7.50	--	--
DPE-25	6/12/2019	--	6.48	--	0.15	6.63	--	--
DPE-25	9/23/2019	--	8.60	--	0.07	8.67	--	--
DPE-25	12/4/2019	--	7.14	--	0.07	7.21	--	--
DPE-25	2/24/2020	--	--	--	--	5.32	--	--
DPE-25	6/12/2020	--	7.12	--	0.39	7.51	--	--
DPE-25	9/16/2020	--	10.46	--	0.5	10.96	--	--
DPE-25	5/24/2021	--	--	--	--	9.50	--	--
DPE-25	12/20/2021	--	--	--	--	4.55	--	--
DPE-26	7/8/2016	--	8.7	--	2.49	11.19	--	--
DPE-26	5/30/2017	--	7.42	--	4.44	11.86	--	--
DPE-26	7/11/2017	--	8.1	--	4.66	12.76	--	--
DPE-26	12/11/2017	--	5.08	--	8.03	13.11	--	--
DPE-26	6/11/2018	--	8.35	--	3.44	11.79	--	--
DPE-26	3/11/2019	--	7.46	--	1.2	8.66	--	--
DPE-26	6/12/2019	--	7.88	--	2.62	10.50	--	--
DPE-26	9/23/2019	--	8.07	--	1.85	9.92	--	--
DPE-26	12/4/2019	--	7.75	--	1.11	8.86	--	--
DPE-26	2/24/2020	--	6.27	--	1.45	7.72	--	--
DPE-26	6/12/2020	--	7.66	--	0.54	8.20	--	--
DPE-26	9/16/2020	--	10.32	--	0.23	10.55	--	--
DPE-26	12/2/2020	--	--	--	--	7.53	--	--
DPE-26	3/16/2021	--	9.17	--	0.04	9.21	--	--
DPE-26	5/24/2021	--	--	--	--	10.03	--	--
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-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	--	--

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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-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-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-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-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	--	--

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DPE-31	12/20/2021	--	--	--	--	8.58	--	--
DPE-32	7/8/2016	--	9.32	--	2.29	11.61	--	--
DPE-32	5/30/2017	--	7.32	--	4.86	12.18	--	--
DPE-32	7/11/2017	--	8.21	--	4.7	12.91	--	--
DPE-32	12/11/2017	--	5.18	--	7.77	12.95	--	--
DPE-32	6/11/2018	--	9.18	--	2.02	11.20	--	--
DPE-32	3/11/2019	--	--	--	--	7.88	--	--
DPE-32	6/12/2019	--	8.66	--	2.58	11.24	--	--
DPE-32	9/23/2019	--	8.60	--	0.01	8.61	--	--
DPE-32	12/4/2019	--	8.12	--	2.86	10.98	--	--
DPE-32	2/24/2020	--	7.42	--	1.31	8.73	--	--
DPE-32	6/12/2020	--	8.17	--	0.78	8.95	--	--
DPE-32	12/2/2020	--	--	--	--	8.19	--	--
DPE-32	12/20/2021	--	--	--	--	6.48	--	--
DPE-33	11/15/2016	--	6.96	--	0.63	7.59	--	--
DPE-33	2/16/2017	--	6.64	--	0.45	7.09	--	--
DPE-33	5/24/2017	14.18	7.85	6.33	0.45	8.30	6.24	--
DPE-33	7/11/2017	--	9.25	--	0.43	9.68	--	--
DPE-33	9/26/2017	21.05	10.09	10.96	0.33	10.42	10.89	--
DPE-33	12/11/2017	21.05	5.55	15.5	0.05	5.60	15.49	--
DPE-33	2/26/2018	21.05	7.86	13.19	0.03	7.89	13.18	--
DPE-33	6/11/2018	21.05	9.16	11.89	0.04	9.20	11.88	--
DPE-33	12/17/2018	21.05	--	--	--	6.49	14.56	--
DPE-33	12/4/2019	21.05	--	--	--	8.35	12.70	--
DPE-33	2/24/2020	21.05	--	--	--	7.18	13.87	--
DPE-33	6/12/2020	21.05	--	--	--	8.41	12.64	--
DPE-33	12/2/2020	21.05	--	--	--	7.67	13.38	--
DPE-33	3/16/2021	21.05	--	--	--	9.43	11.62	--
DPE-33	5/24/2021	21.05	--	--	--	10.36	10.69	--
DPE-33	12/20/2021	21.05	--	--	--	5.93	15.12	--
DPE-33	3/1/2022	21.05	--	--	--	3.48	17.57	--
DPE-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-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	--	--

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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-38	11/15/2016	--	4.65	--	1.7	6.35	--	--
DPE-38	2/16/2017	--	3.43	--	4.17	7.60	--	--
DPE-38	5/16/2017	--	3.69	--	5.66	9.35	--	--
DPE-38	5/24/2017	15.20	4.79	10.41	0.01	4.80	10.41	--
DPE-38	7/11/2017	--	--	--	--	5.32	--	--
DPE-38	9/26/2017	20.28	--	--	--	7.09	13.19	--
DPE-38	12/11/2017	20.28	--	--	--	2.87	17.41	--
DPE-38	2/26/2018	20.28	--	--	--	5.41	14.87	--
DPE-38	6/11/2018	20.28	--	--	--	6.57	13.71	--
DPE-38	12/17/2018	20.28	--	--	--	4.73	15.55	--
DPE-38	12/4/2019	20.28	--	--	--	5.62	14.66	--
DPE-38	2/24/2020	20.28	--	--	--	5.05	15.23	--
DPE-38	6/12/2020	20.28	--	--	--	--	--	--
DPE-38	12/2/2020	20.28	--	--	--	--	--	--
DPE-38	3/16/2021	20.28	--	--	--	5.46	14.82	--
DPE-38	5/24/2021	20.28	--	--	--	--	--	--
DPE-38	12/20/2021	20.28	--	--	--	3.60	16.68	--
DPE-38	3/1/2022	20.28	--	--	--	3.63	16.65	--
DPE-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	--

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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-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-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-44	7/11/2017	--	--	--	--	6.60	--	--
DPE-44	12/11/2017	--	--	--	--	5.55	--	--
DPE-44	6/11/2018	--	--	--	--	6.12	--	--
DPE-44	3/16/2021	--	--	--	--	4.58	--	--
DPE-45	11/15/2016	--	6.65	--	0.37	7.02	--	--
DPE-45	2/16/2017	--	6.54	--	0.54	7.08	--	--
DPE-45	5/24/2017	14.16	7.41	6.75	0.79	8.20	6.59	--
DPE-45	7/11/2017	--	8.89	--	0.82	9.71	--	--

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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-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-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	--	--

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DPE-49	5/24/2021	--	--	--	--	10.22	--	
DPE-49	12/20/2021	--	--	--	--	9.07	--	
DPE-50	7/8/2016	--	10.38	--	0.92	11.30	--	--
DPE-50	7/11/2017	--	--	--	--	9.87	--	--
DPE-50	12/11/2017	--	7.31	--	0.02	7.33	--	--
DPE-50	6/11/2018	--	--	--	--	10.26	--	--
DPE-50	12/4/2019	--	--	--	--	9.19	--	--
DPE-50	2/24/2020	--	--	--	--	7.98	--	--
DPE-50	6/12/2020	--	--	--	--	8.98	--	--
DPE-50	12/2/2020	--	--	--	--	8.80	--	--
DPE-50	3/16/2021	--	--	--	--	10.26	--	--
DPE-50	5/24/2021	--	--	--	--	11.28	--	--
DPE-50	9/14/2021	--	--	--	--	12.68	--	--
DPE-50	12/20/2021	--	--	--	--	8.72	--	--
DPE-51	7/8/2016	--	10.4	--	0.18	10.58	--	--
DPE-51	7/11/2017	--	9.46	--	0.24	9.70	--	--
DPE-51	6/11/2018	--	10.76	--	0.04	10.80	--	--
DPE-51	12/4/2019	--	--	--	--	9.80	--	--
DPE-51	2/24/2020	--	--	--	--	6.92	--	--
DPE-51	6/12/2020	--	--	--	--	9.25	--	--
DPE-51	12/2/2020	--	--	--	--	8.93	--	--
DPE-51	3/16/2021	--	--	--	--	9.65	--	--
DPE-51	12/20/2021	--	--	--	--	8.43	--	--
DPE-52	7/8/2016	--	9.65	--	2.8	12.45	--	--
DPE-52	5/15/2017	--	7.96	--	3.62	11.58	--	--
DPE-52	7/11/2017	--	9.13	--	0.07	9.20	--	--
DPE-52	12/11/2017	--	6.98	--	0.02	7.00	--	--
DPE-52	6/11/2018	--	10.19	--	0.14	10.33	--	--
DPE-52	12/4/2019	--	8.92	--	0.26	9.18	--	--
DPE-52	2/24/2020	--	8.21	--	0.23	8.44	--	--
DPE-52	6/12/2020	--	8.90	--	0.6	9.50	--	--
DPE-52	12/2/2020	--	8.38	--	0.55	8.93	--	--
DPE-52	3/16/2021	--	9.96	--	0.31	10.27	--	--
DPE-52	5/24/2021	--	10.97	--	0.44	11.41	--	--
DPE-52	12/20/2021	--	--	--	--	9.55	--	--
DPE-53	11/15/2016	--	--	--	--	7.19	--	--
DPE-53	2/16/2017	--	--	--	--	6.76	--	--
DPE-53	5/24/2017	13.52	--	--	--	7.97	5.55	--
DPE-53	7/11/2017	--	--	--	--	8.37	--	--
DPE-53	9/26/2017	21.15	--	--	--	10.14	11.01	--
DPE-53	12/11/2017	21.15	--	--	--	6.07	15.08	--
DPE-53	2/26/2018	21.15	--	--	--	7.75	13.40	--
DPE-53	6/11/2018	21.15	--	--	--	8.95	12.20	--
DPE-53	12/17/2018	21.15	--	--	--	7.68	13.47	--
DPE-54	7/11/2016	--	9.86	--	2.33	12.19	--	--
DPE-54	5/30/2017	--	8	--	6.03	14.03	--	--
DPE-54	7/11/2017	--	8.86	--	2.87	11.73	--	--
DPE-54	12/11/2017	--	6.94	--	1.88	8.82	--	--
DPE-54	6/11/2018	--	9.92	--	0.09	10.01	--	--
DPE-54	3/11/2019	--	8.89	--	0.13	9.02	--	--
DPE-54	12/4/2019	--	9.11	--	0.15	9.26	--	--
DPE-54	2/24/2020	--	8.11	--	1.06	9.17	--	--
DPE-54	6/12/2020	--	--	--	--	9.16	--	--
DPE-54	12/2/2020	--	8.25	--	1.6	9.85	--	--
DPE-54	3/16/2021	--	8.47	--	0.01	8.48	--	--
DPE-54	5/24/2021	--	9.82	--	0.76	10.58	--	--
DPE-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	--	--

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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-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-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	--
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	5/11/1997	19.50	--	--	--	5.59	13.91	--
HA-1	9/17/1997	19.50	--	--	--	5.50	14.00	--
HA-1	4/29/1998	19.50	--	--	--	5.83	13.67	--
HA-1	5/24/2000	19.50	--	--	--	6.20	13.30	--
HA-1	5/23/2001	19.50	--	--	--	6.30	13.20	--
HA-1	6/4/2002	19.50	--	--	--	6.40	13.10	--
HA-1	5/28/2003	19.50	--	--	--	6.45	13.05	--
HA-1	6/15/2004	19.50	--	--	--	5.80	13.70	--
HA-1	6/22/2005	19.50	--	--	--	5.77	13.73	--
HA-1	6/5/2006	19.50	--	--	--	5.00	14.50	--
HA-1	10/23/2006	19.50	--	--	--	5.97	13.53	--
HA-1	3/14/2007	20.76	--	--	--	3.42	17.34	--
HA-1	9/10/2007	20.76	--	--	--	4.46	16.30	--
HA-1	11/28/2007	20.76	--	--	--	7.32	13.44	13.44
HA-1	12/13/2007	20.76	--	--	--	3.83	16.93	16.93

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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	--

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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	--
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	--

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-4	4/16/1996	20.24	--	--	--	7.11	13.13	--
HA-4	4/2/1997	20.24	--	--	--	8.00	12.24	--
HA-4	5/1/1997	20.24	--	--	--	5.49	14.75	--
HA-4	9/18/1997	20.24	--	--	--	7.70	12.54	--
HA-4	4/30/1998	20.24	--	--	--	8.67	11.57	--
HA-4	5/23/2000	20.24	--	--	--	7.35	12.89	--
HA-4	5/23/2001	20.24	--	--	--	8.95	11.29	--
HA-4	6/4/2002	20.24	--	--	--	6.45	13.79	--
HA-4	5/27/2003	20.24	--	--	--	8.64	11.60	--
HA-4	6/16/2004	20.24	--	--	--	8.67	11.57	--
HA-4	6/22/2005	20.24	--	--	--	8.58	11.66	--
HA-4	6/5/2006	20.24	--	--	--	8.04	12.20	--
HA-4	10/23/2006	20.24	--	--	--	9.00	11.24	--
HA-4	3/14/2007	21.05	--	--	--	5.06	15.99	--
HA-4	9/10/2007	21.05	--	--	--	6.77	14.28	--
HA-4	11/28/2007	21.05	--	--	--	5.42	15.63	15.63
HA-4	12/13/2007	21.05	--	--	--	6.20	14.85	14.85
HA-4	1/21/2008	21.05	--	--	--	5.08	15.97	15.97
HA-4	2/24/2008	21.05	--	--	--	5.78	15.27	15.27
HA-4	3/24/2008	21.05	--	--	--	5.15	15.90	15.90
HA-4	6/2/2008	21.05	--	--	--	6.37	14.68	--
HA-4	8/25/2008	21.05	--	--	--	4.15	16.90	16.90
HA-4	2/18/2009	21.05	--	--	Not Monitored			NM
HA-4	8/25/2009	21.05	--	--	Not Monitored			NM
HA-4	3/22/2010	21.05	--	--	--	5.69	15.36	15.36
HA-4	8/23/2010	21.05	--	--	--	6.75	14.30	14.30
HA-4	2/7/2011	21.05	--	--	--	5.17	15.88	--
HA-4	5/27/2011	21.05	--	--	--	5.61	15.44	--
HA-4	8/8/2011	21.05	--	--	--	6.63	14.42	--
HA-4	11/14/2011	21.05	--	--	--	4.71	16.34	--
HA-4	2/20/2012	21.05	--	--	--	4.90	16.15	--
HA-4	8/22/2012	21.05	--	--	--	10.72	10.33	--
HA-4	11/5/2012	21.05	--	--	--	3.98	17.07	--
HA-4	1/28/2013	21.05	--	--	--	3.54	17.51	--
HA-4	5/9/2013	21.05	--	--	--	6.08	14.97	--
HA-4	8/19/2013	21.05	--	--	--	6.88	14.17	--
HA-4	11/25/2013	21.05	--	--	--	5.83	15.22	--
HA-4	2/14/2014	21.05	--	--	--	3.65	17.40	--
HA-4	5/5/2014	21.05	--	--	--	4.84	16.21	--
HA-4	8/19/2014				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	--
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

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-5	2/24/2003	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

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HA-5	8/16/2006	21.13	--	--	--	7.35	13.78	13.78
HA-5	9/19/2006	21.13	--	--	--	7.80	13.33	13.33
HA-5	10/13/2006	21.13	--	--	--	7.52	13.61	13.61
HA-5	10/23/2006	21.13	--	--	--	7.54	13.59	--
HA-5	11/20/2006	21.13	--	--	--	3.70	17.43	17.43
HA-5	12/8/2006	21.13	--	--	--	4.69	16.44	16.44
HA-5	1/19/2007	21.13	--	--	--	3.22	17.91	17.91
HA-5	2/19/2007	21.13	--	--	--	5.25	15.88	15.88
HA-5	3/14/2007	21.13	--	--	--	4.38	16.75	--
HA-5	3/15/2007	21.13	--	--	--	4.31	16.82	16.82
HA-5	4/16/2007	21.13	--	--	--	4.76	16.37	16.37
HA-5	5/14/2007	21.13	--	--	--	6.05	15.08	15.08
HA-5	6/29/2007	21.13	--	--	--	7.17	13.96	13.96
HA-5	7/20/2007	21.13	--	--	--	7.57	13.56	13.56
HA-5	8/21/2007	21.13	--	--	--	8.15	12.98	12.98
HA-5	9/10/2007	21.13	--	--	--	8.24	12.89	12.89
HA-5	10/22/2007	21.13	--	--	--	6.92	14.21	14.21
HA-5	11/28/2007	21.13	--	--	--	6.33	14.80	14.80
HA-5	12/13/2007	21.13	--	--	--	5.08	16.05	16.05
HA-5	1/21/2008	21.13	--	--	--	4.96	16.17	16.17
HA-5	2/24/2008	21.13	--	--	--	5.73	15.40	15.40
HA-5	3/24/2008	21.13	--	--	--	8.99	12.14	12.14
HA-5	6/2/2008	21.13	--	--	--	7.04	14.09	--
HA-5	8/25/2008	21.13	--	--	--	7.65	13.48	13.48
HA-5	2/18/2009	21.13	--	--	Not Monitored			NM
HA-5	8/25/2009	21.13	--	--	Not Monitored			NM
HA-5	3/22/2010	21.13	--	--	--	5.56	15.57	15.57
HA-5	8/23/2010	21.13	--	--	--	7.47	13.66	13.66
HA-5	2/7/2011	21.13	--	--	--	6.63	14.50	--
HA-5	5/27/2011	21.13	--	--	Not Monitored			
HA-5	8/8/2011	21.13	--	--	--	7.35	13.78	--
HA-5	11/14/2011	21.13	--	--	--	7.03	14.1	--
HA-5	2/20/2012	21.13	--	--	--	4.63	16.5	--
HA-5	8/22/2012	21.13	--	--	--	7.10	14.03	--
HA-5	11/5/2012	21.13	--	--	--	5.78	15.35	--
HA-5	1/28/2013	21.13	--	--	--	4.33	16.80	--
HA-5	5/9/2013	21.13	--	--	--	5.26	15.87	--
HA-5	8/19/2013	21.13	--	--	--	7.81	13.32	--
HA-5	11/25/2013	21.13	--	--	--	5.50	15.63	--
HA-5	2/14/2014	21.13	--	--	--	4.85	16.28	--
HA-5	5/5/2014	21.13	--	--	--	3.78	17.35	--
HA-5	8/19/2014	21.13	--	--	--	7.59	13.54	--
HA-5	11/21/2014	21.13	--	--	--	5.25	15.88	--
HA-6	1/27/1993	18.16	--	--	--	4.58	13.58	--
HA-6	3/12/1993	18.16	--	--	--	6.46	11.70	--
HA-6	4/14/1993	18.16	--	--	--	5.55	12.61	--
HA-6	12/15/1993	18.16	--	--	--	7.15	11.01	--
HA-6	11/4/1994	18.16	--	--	--	8.42	9.74	--
HA-6	2/22/1995	18.16	--	--	--	4.98	13.18	--
HA-6	5/15/1995	18.16	--	--	--	5.86	12.30	--
HA-6	6/16/1995	18.16	--	--	--	6.62	11.54	--
HA-6	10/20/1995	18.16	--	--	--	6.86	11.30	--
HA-6	4/4/1996	18.16	--	--	--	4.68	13.48	--
HA-6	4/16/1996	18.16	--	--	--	4.60	13.56	--
HA-6	5/10/1996	18.16	--	--	--	4.20	13.96	--
HA-6	5/15/1996	18.16	--	--	--	4.02	14.14	--
HA-6	5/22/1996	18.16	--	--	--	4.97	13.19	--
HA-6	6/5/1996	18.16	--	--	--	5.79	12.37	--
HA-6	6/24/1996	18.16	--	--	--	6.78	11.38	--
HA-6	7/15/1996	18.16	--	--	--	7.51	10.65	--
HA-6	8/23/1996	18.16	--	--	--	8.09	10.07	--
HA-6	9/18/1996	18.16	--	--	--	8.37	9.79	--
HA-6	1/3/1997	18.16	--	--	--	2.84	15.32	--
HA-6	3/12/1997	18.16	--	--	--	4.54	13.62	--
HA-6	4/2/1997	18.16	--	--	--	4.85	13.31	--

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-6	5/1/1997	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	--
HA-6	8/22/2012	21.43	--	--	--	7.24	14.19	--
HA-6	11/5/2012	21.43	--	--	--	7.00	14.43	--

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-6	5/9/2013	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

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HA-7	5/12/2006	21.60			Not Monitored			NM
HA-7	6/5/2006	21.60	--	--	--	5.28	16.32	--
HA-7	6/9/2006	21.60			Not Monitored			NM
HA-7	7/13/2006	21.60			Not Monitored			NM
HA-7	8/16/2006	21.60			Not Monitored			NM
HA-7	9/19/2006	21.60			Not Monitored			NM
HA-7	10/13/2006	21.60			Not Monitored			NM
HA-7	10/23/2006	21.60	--	--	--	7.86	13.74	--
HA-7	11/20/2006	21.60			Not Monitored			NM
HA-7	12/8/2006	21.60			Not Monitored			NM
HA-7	1/19/2007	21.60			Not Monitored			NM
HA-7	1/19/2007	21.60			Not Monitored			NM
HA-7	1/19/2007	21.60			Not Monitored			NM
HA-7	3/14/2007	21.60	--	--	--	4.47	17.13	--
HA-7	4/16/2007	21.60			Not Monitored			NM
HA-7	5/14/2007	21.60			Not Monitored			NM
HA-7	6/29/2007	21.60	--	--	--	7.35	14.25	14.25
HA-7	7/20/2007	21.60			Not Monitored			NM
HA-7	8/21/2007	21.60			Not Monitored			NM
HA-7	9/10/2007	21.60	--	--	--	8.78	12.82	NM
HA-7	10/22/2007	21.60			Not Monitored			NM
HA-7	11/28/2007	21.60	--	--	--	7.02	14.58	14.58
HA-7	12/13/2007	21.60			Not Monitored			NM
HA-7	1/21/2008	21.60	--	--	--	5.27	16.33	16.33
HA-7	2/24/2008	21.60	--	--	--	5.97	15.63	15.63
HA-7	3/24/2008	21.60	--	--	--	6.34	15.26	15.26
HA-7	6/2/2008	21.60	--	--	--	7.62	13.98	--
HA-7	8/25/2008	21.60	--	--	--	8.27	13.33	13.33
HA-7	2/18/2009	21.60			Not Monitored			NM
HA-7	8/25/2009	21.60			Not Monitored			NM
HA-7	3/22/2010	21.60	--	--	--	5.19	16.41	16.41
HA-7	8/23/2010	21.60	--	--	--	7.38	14.22	14.22
HA-7	2/7/2011	21.60	--	--	--	4.97	16.63	--
HA-7	5/27/2011	21.60	--	--	--	5.97	15.63	--
HA-7	8/8/2011	21.60	--	--	--	7.91	13.69	--
HA-7	11/14/2011	21.60	--	--	--	7.68	13.92	--
HA-7	2/20/2012	21.60	--	--	--	5.31	16.29	--
HA-7	8/22/2012	21.60	--	--	--	7.36	14.24	--
HA-7	11/5/2012	21.60	--	--	--	7.19	14.41	--
HA-7	1/28/2013	21.60	--	--	--	4.54	17.06	--
HA-7	5/9/2013	21.60	--	--	--	6.02	15.58	--
HA-7	8/19/2013	21.60	--	--	--	8.41	13.19	--
HA-7	11/25/2013	21.60	--	--	--	6.39	15.21	--
HA-7	2/14/2014	21.60	--	--	--	5.23	16.37	--
HA-7	5/5/2014	21.60	--	--	--	4.74	16.86	--
HA-7	8/19/2014				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

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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

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-8	4/18/2006	21.97	--	--	--	5.12	16.85	16.85
HA-8	5/12/2006	21.97	--	--	--	5.89	16.08	16.08
HA-8	6/5/2006	21.97	--	--	0.06	5.38	16.64	--
HA-8	6/9/2006	21.97	--	--	--	5.40	16.57	16.57
HA-8	7/13/2006	21.97	--	--	--	6.80	15.17	15.17
HA-8	8/16/2006	21.97	--	--	--	7.80	14.17	14.17
HA-8	9/19/2006	21.97	--	--	--	8.54	13.43	13.43
HA-8	10/13/2006	21.97	--	--	--	8.20	13.77	13.77
HA-8	10/23/2006	21.97	--	--	0.02	8.26	13.73	--
HA-8	11/20/2006	21.97	3.85	18.12	0.03	3.88	18.11	18.14
HA-8	12/8/2006	21.97	3.65	18.32	0.02	3.67	18.32	18.33
HA-8	1/19/2007	21.97	3.22	18.75	0.04	3.24	18.76	18.79
HA-8	2/19/2007	21.97	5.28	16.69	0.03	5.31	16.68	16.71
HA-8	3/15/2007	21.97	4.18	17.79	0.02	4.20	17.79	17.80
HA-8	4/16/2007	21.97	4.88	17.09	0.03	4.91	17.08	17.11
HA-8	5/14/2007	21.97	6.60	15.37	0.05	6.65	15.36	15.40
HA-8	6/29/2007	21.97	--	--	--	7.72	14.25	14.25
HA-8	7/20/2007	21.97	--	--	--	8.13	13.84	13.84
HA-8	8/21/2007	21.97	--	--	--	8.88	13.09	13.09
HA-8	9/10/2007	21.97	--	--	--	8.98	12.99	12.99
HA-8	10/22/2007	21.97	--	--	--	7.83	14.14	14.14
HA-8	11/28/2007	21.97	--	--	--	6.72	15.25	15.25
HA-8	12/13/2007	21.97	--	--	--	5.80	16.17	16.17
HA-8	1/21/2008	21.97	--	--	--	5.76	16.21	16.21
HA-8	2/24/2008	21.97	--	--	--	6.29	15.68	15.68
HA-8	3/24/2008	21.97	--	--	--	6.41	15.56	15.56
HA-8	6/2/2008	21.97	--	--	--	7.64	14.33	--
HA-8	8/25/2008	21.97	--	--	--	8.34	13.63	13.63
HA-8	2/18/2009	21.97	--	--	Not Monitored			NM
HA-8	8/25/2009	21.97	--	--	Not Monitored			NM
HA-8	3/22/2010	21.97	--	--	--	5.80	16.17	16.17
HA-8	8/23/2010	21.97	--	--	--	8.13	13.84	13.84
HA-8	2/7/2011	21.97	--	--	--	4.94	17.03	--
HA-8	5/27/2011	21.97	--	--	Not Monitored			
HA-8	8/8/2011	21.97	--	--	--	8.00	13.97	--
HA-8	11/14/2011	21.97	--	--	--	7.72	14.25	--
HA-8	2/20/2012	21.97	--	--	--	5.13	16.84	--
HA-8	8/22/2012	21.97	--	--	--	7.73	14.24	--
HA-8	11/5/2012	21.97	--	--	--	6.80	15.17	--
HA-8	1/28/2013	21.97	--	--	--	4.90	17.07	--
HA-8	5/9/2013	21.97	--	--	--	6.08	15.89	--
HA-8	8/19/2013	21.97	--	--	--	8.50	13.47	--
HA-8	11/25/2013	21.97	--	--	--	6.29	15.68	--
HA-8	2/14/2014	21.97	--	--	--	5.35	16.62	--
HA-8	5/5/2014	21.97	--	--	--	4.43	17.54	--
HA-8	8/19/2014				Decommissioned Well			
HA-9	1/27/1993	19.40	--	--	--	7.00	12.40	--
HA-9	3/12/1993	19.40	--	--	--	7.95	11.45	--
HA-9	4/14/1993	19.40	--	--	--	7.74	11.66	--
HA-9	12/15/1993	19.40	--	--	--	7.82	11.58	--
HA-9	11/4/1994	19.40	--	--	--	9.75	9.65	--
HA-9	2/22/1995	19.40	--	--	--	7.61	11.79	--
HA-9	6/16/1995	19.40	--	--	--	8.17	11.23	--
HA-9	10/20/1995	19.40	--	--	--	8.08	11.32	--
HA-9	4/4/1996	19.40	--	--	--	7.30	12.10	--
HA-9	4/16/1996	19.40	--	--	--	7.28	12.12	--
HA-9	4/2/1997	19.40	--	--	--	7.76	11.64	--
HA-9	5/1/1997	19.40	--	--	--	7.78	11.62	--
HA-9	9/18/1997	19.40	--	--	--	7.95	11.45	--
HA-9	4/29/1998	19.40	--	--	--	7.99	11.41	--
HA-9	7/28/1999	19.40	--	--	--	8.23	11.17	--
HA-9	5/24/2000	19.40	--	--	--	9.25	10.15	--
HA-9	5/23/2001	19.40	--	--	--	7.92	11.48	--
HA-9	6/4/2002	19.40	--	--	--	8.01	11.39	--
HA-9	11/24/2002	21.32	--	--	--	8.20	13.12	13.12

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-9	5/28/2003	21.32	--	--	sheen	8.05	13.27	--
HA-9	6/17/2004	21.32	--	--	--	8.18	13.14	--
HA-9	6/20/2005	21.32	--	--	--	7.98	13.34	--
HA-9	6/5/2006	21.32	--	--	--	7.62	13.70	--
HA-9	10/23/2006	21.32	--	--	--	8.32	13.00	--
HA-9	3/14/2007	21.32	--	--	--	6.08	15.24	--
HA-9	6/29/2007	21.32	--	--	--	7.04	14.28	14.28
HA-9	7/20/2007	21.32	--	--	Not Monitored			NM
HA-9	8/21/2007	21.32	--	--	Not Monitored			NM
HA-9	9/10/2007	21.32	--	--	--	7.13	14.19	--
HA-9	10/22/2007	21.32	--	--	Not Monitored			NM
HA-9	11/28/2007	21.32	--	--	Not Monitored			NM
HA-9	12/13/2007	21.32	--	--	--	6.66	14.66	14.66
HA-9	1/21/2008	21.32	--	--	--	6.35	14.97	14.97
HA-9	2/24/2008	21.32	--	--	--	6.67	14.65	14.65
HA-9	3/24/2008	21.32	--	--	--	6.62	14.70	14.70
HA-9	6/2/2008	21.32	--	--	--	6.90	14.42	--
HA-9	8/25/2008	21.32	--	--	--	7.08	14.24	14.24
HA-9	2/18/2009	21.32	--	--	Not Monitored			NM
HA-9	8/25/2009	21.32	--	--	Not Monitored			NM
HA-9	3/22/2010	21.32	--	--	--	6.14	15.18	15.18
HA-9	8/23/2010	21.32	--	--	--	7.17	14.15	14.15
HA-9	2/7/2011	21.32	--	--	--	6.03	15.29	--
HA-9	5/27/2011	21.32	--	--	--	7.01	14.31	--
HA-9	8/8/2011	21.32	--	--	--	7.16	14.16	--
HA-9	11/14/2011	21.32	--	--	--	6.96	14.36	--
HA-9	2/20/2012	21.32	--	--	--	6.15	15.17	--
HA-9	8/22/2012	21.32	--	--	--	7.15	14.17	--
HA-9	11/5/2012	21.32	--	--	--	6.50	14.82	--
HA-9	1/28/2013	21.32	--	--	--	4.77	16.55	--
HA-9	5/9/2013	21.32	--	--	--	6.67	14.65	--
HA-9	8/19/2013	21.32	--	--	--	7.24	14.08	--
HA-9	11/25/2013	21.32	--	--	--	6.59	14.73	--
HA-9	2/14/2014	21.32	DRY	--	--		21.32	--
HA-9	5/5/2014	21.32	--	--	--	5.34	15.98	--
HA-9	8/19/2014	21.32	--	--	--	7.09	14.23	--
HA-9	11/21/2014	21.32	--	--	--	6.26	15.06	--
HA-10	1/27/1993	19.40	--	--	--	6.88	12.52	--
HA-10	3/12/1993	19.40	--	--	--	8.94	10.46	--
HA-10	4/14/1993	19.40	--	--	--	8.73	10.67	--
HA-10	12/15/1993	19.40	--	--	--	8.05	11.35	--
HA-10	2/22/1995	19.40	--	--	--	8.14	11.26	--
HA-10	6/16/1995	19.40	--	--	--	9.18	10.22	--
HA-10	10/20/1995	19.40	--	--	--	7.83	11.57	--
HA-10	4/4/1996	19.40	--	--	--	7.67	11.73	--
HA-10	4/16/1996	19.40	--	--	--	7.29	12.11	--
HA-10	7/15/1996	19.40	--	--	--	9.40	10.00	--
HA-10	4/2/1997	19.40	--	--	--	8.74	10.66	--
HA-10	5/1/1997	19.40	--	--	--	8.26	11.14	--
HA-10	5/23/2001	19.40	--	--	--	8.86	10.54	--
HA-10	6/6/2002	19.40	--	--	--	9.80	9.60	--
HA-10	11/24/2002	21.15	--	--	--	8.49	12.66	12.66
HA-10	5/27/2003	21.15	--	--	--	9.31	11.84	--
HA-10	6/17/2004	21.15	--	--	--	9.17	11.98	--
HA-10	6/21/2005	21.15	--	--	--	8.58	12.57	--
HA-10	6/5/2006	21.15	--	--	--	7.84	13.31	--
HA-10	10/23/2006	21.15	--	--	--	9.09	12.06	--
HA-10	3/14/2007	21.15	--	--	--	6.21	14.94	--
HA-10	6/29/2007	21.15	--	--	--	7.79	13.36	13.36
HA-10	7/20/2007	21.15	--	--	Not Monitored			NM
HA-10	8/21/2007	21.15	--	--	Not Monitored			NM
HA-10	9/10/2007	21.15	--	--	--	8.20	12.95	NM
HA-10	10/22/2007	21.15	--	--	Not Monitored			NM
HA-10	11/28/2007	21.15	--	--	--	7.50	13.65	13.65
HA-10	12/13/2007	21.15	--	--	--	7.35	13.80	13.80

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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	--

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HA-11	2/20/2012	20.69	--	--	--	6.75	13.94	--
HA-11	8/22/2012	20.69	--	--	--	7.80	12.89	--
HA-11	11/5/2012	20.69	--	--	--	7.03	13.66	--
HA-11	1/28/2013	20.69	--	--	--	6.38	14.31	--
HA-11	5/9/2013	20.69	--	--	--	7.62	13.07	--
HA-11	8/19/2013	20.69	--	--	--	8.06	12.63	--
HA-11	11/25/2013	20.69	--	--	--	7.05	13.64	--
HA-11	2/14/2014	20.69	--	--	--	6.45	14.24	--
HA-11	5/5/2014	20.69	--	--	--	6.17	14.52	--
HA-11	8/19/2014	20.69	--	--	--	7.83	12.86	--
HA-11	11/21/2014	20.69	--	--	DRY			
HA-12	1/27/1993	19.91	--	--	--	4.01	15.90	--
HA-12	3/12/1993	19.91	--	--	--	7.36	12.55	--
HA-12	4/14/1993	19.91	--	--	--	5.92	13.99	--
HA-12	12/15/1993	19.91	--	--	--	7.02	12.89	--
HA-12	11/4/1994	19.91	--	--	--	9.06	10.85	--
HA-12	2/22/1995	19.91	--	--	--	3.80	16.11	--
HA-12	6/16/1995	19.91	--	--	--	7.40	12.51	--
HA-12	10/20/1995	19.91	--	--	--	7.40	12.51	--
HA-12	4/4/1996	19.91	--	--	--	5.65	14.26	--
HA-12	4/16/1996	19.91	--	--	--	5.26	14.65	--
HA-12	5/1/1997	19.91	--	--	--	6.13	13.78	--
HA-12	8/26/1997	19.91	--	--	--	8.58	11.33	--
HA-12	9/18/1997	19.91	--	--	--	8.70	11.21	--
HA-12	5/1/1998	19.91	--	--	--	6.65	13.26	--
HA-12	7/29/1999	19.91	--	--	--	7.46	12.45	--
HA-12	5/22/2000	19.91	--	--	--	7.63	12.28	--
HA-12	5/22/2001	19.91	--	--	--	7.29	12.62	--
HA-12	6/5/2002	19.91	--	--	--	7.06	12.85	--
HA-12	11/24/2002	22.47	--	--	--	7.43	15.04	15.04
HA-12	5/28/2003	22.47	--	--	--	7.84	14.63	--
HA-12	6/16/2004	22.47	--	--	--	8.43	14.04	--
HA-12	6/21/2005	22.47	--	--	--	6.67	15.80	--
HA-12	6/5/2006	22.47	--	--	--	5.91	16.56	--
HA-12	10/23/2006	22.47	--	--	--	8.71	13.76	--
HA-12	3/14/2007	22.47	--	--	--	5.11	17.36	--
HA-12	6/29/2007	22.47	--	--	--	8.07	14.40	14.40
HA-12	7/20/2007	22.47	--	--	Not Monitored			NM
HA-12	8/21/2007	22.47	--	--	Not Monitored			NM
HA-12	9/10/2007	22.47	--	--	--	9.38	13.09	NM
HA-12	10/22/2007	22.47	--	--	Not Monitored			NM
HA-12	11/28/2007	22.47	--	--	--	7.50	14.97	14.97
HA-12	12/13/2007	22.47	--	--	Not Monitored			NM
HA-12	1/21/2008	22.47	--	--	--	4.09	18.38	18.38
HA-12	2/24/2008	22.47	--	--	--	6.81	15.66	15.66
HA-12	3/24/2008	22.47	--	--	--	6.87	15.60	15.60
HA-12	6/2/2008	22.47	--	--	--	8.14	14.33	--
HA-12	8/25/2008	22.47	--	--	--	8.67	13.80	13.80
HA-12	2/18/2009	22.47	--	--	Not Monitored			NM
HA-12	8/25/2009	22.47	--	--	--	8.67	13.80	NM
HA-12	3/22/2010	22.47	--	--	--	6.00	16.47	16.47
HA-12	8/23/2010	22.47	--	--	Dry			0.00
HA-12	2/7/2011	22.47	--	--	--	5.46	17.01	--
HA-12	5/27/2011	22.47	--	--	--	6.34	16.13	--
HA-12	8/8/2011	22.47	--	--	--	8.39	14.08	--
HA-12	11/14/2011	22.47	--	--	--	8.05	14.42	--
HA-12	2/20/2012	22.47	--	--	--	5.20	17.27	--
HA-12	8/22/2012	22.47	--	--	--	Dry	--	--
HA-12	11/5/2012	22.47	--	--	--	6.02	16.45	--
HA-12	1/28/2013	22.47	--	--	--	5.32	17.15	--
HA-12	5/9/2013	22.47	--	--	--	6.68	15.79	--
HA-12	8/19/2013	22.47	--	--	--	8.02	14.45	--
HA-12	11/25/2013	22.47	--	--	--	6.83	15.64	--
HA-12	2/14/2014	22.47	--	--	--	5.63	16.84	--
HA-12	5/5/2014	22.47	--	--	--	5.32	17.15	--

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

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-13	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	--

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HA-13	2/14/2014	22.73	--	--	--	5.07	17.66	--
HA-13	5/5/2014	22.73	--	--	--	4.48	18.25	--
HA-13	8/19/2014	22.73	--	--	--	9.33	13.40	--
HA-13	11/21/2014	22.73	--	--	--	7.26	15.47	--
HA-14	1/27/1993	20.02	--	--	--	6.10	13.92	--
HA-14	3/12/1993	20.02	--	--	--	8.80	11.22	--
HA-14	4/14/1993	20.02	--	--	--	7.04	12.98	--
HA-14	12/15/1993	20.02	--	--	--	8.56	11.46	--
HA-14	11/4/1994	20.02	--	--	--	8.35	11.67	--
HA-14	2/22/1995	20.02	--	--	--	5.10	14.92	--
HA-14	6/16/1995	20.02	--	--	--	9.51	10.51	--
HA-14	10/20/1995	20.02	--	--	--	8.77	11.25	--
HA-14	4/4/1996	20.02	--	--	--	7.52	12.50	--
HA-14	4/16/1996	20.02	--	--	--	6.01	14.01	--
HA-14	5/1/1997	20.02	--	--	--	6.92	13.10	--
HA-14	9/18/1997	20.02	--	--	--	8.17	11.85	--
HA-14	4/30/1998	20.02	--	--	--	9.05	10.97	--
HA-14	7/29/1999	20.02	--	--	--	9.49	10.53	--
HA-14	5/22/2000	20.02	--	--	--	9.22	10.80	--
HA-14	5/22/2001	20.02	--	--	--	9.03	10.99	--
HA-14	6/4/2002	20.02	--	--	--	8.41	11.61	--
HA-14	11/24/2002	23.47	--	--	--	9.67	13.80	13.80
HA-14	5/27/2003	23.47	--	--	--	9.48	13.99	--
HA-14	6/16/2004	23.47	--	--	--	9.69	13.78	--
HA-14	9/21/2004	23.47	--	--	--	9.24	14.23	14.23
HA-14	6/1/2005	23.47	--	--	--	8.68	14.79	14.79
HA-14	6/21/2005	23.47	--	--	--	9.15	14.32	--
HA-14	6/29/2005	23.47	--	--	--	9.32	14.15	14.15
HA-14	7/20/2005	23.47	--	--	--	9.63	13.84	10.39
HA-14	8/22/2005	23.47	--	--	--	10.50	12.97	13.21
HA-14	9/12/2005	23.47	--	--	Not Monitored			NM
HA-14	10/12/2005	23.47	--	--	Not Monitored			NM
HA-14	11/21/2005	23.47	--	--	Not Monitored			NM
HA-14	12/27/2005	23.47	--	--	Not Monitored			NM
HA-14	1/30/2006	23.47	--	--	Not Monitored			NM
HA-14	2/16/2006	23.47	--	--	Not Monitored			NM
HA-14	3/13/2006	23.47	--	--	Not Monitored			NM
HA-14	4/18/2006	23.47	--	--	Not Monitored			NM
HA-14	5/12/2006	23.47	--	--	Not Monitored			NM
HA-14	6/5/2006	23.47	--	--	--	7.96	15.51	--
HA-14	6/9/2006	23.47	--	--	Not Monitored			NM
HA-14	7/13/2006	23.47	--	--	Not Monitored			NM
HA-14	8/16/2006	23.47	--	--	Not Monitored			NM
HA-14	9/19/2006	23.47	--	--	Not Monitored			NM
HA-14	10/13/2006	23.47	--	--	--	10.26	13.21	13.21
HA-14	10/23/2006	23.47	--	--	--	10.18	13.29	--
HA-14	11/20/2006	23.47	--	--	--	9.27	14.20	14.20
HA-14	12/8/2006	23.47	--	--	--	5.12	18.35	18.35
HA-14	1/19/2007	23.47	--	--	--	5.01	18.46	18.46
HA-14	2/19/2007	23.47	--	--	--	8.00	15.47	15.47
HA-14	3/14/2007	23.47	--	--	--	7.13	16.34	--
HA-14	3/15/2007	23.47	--	--	--	6.85	16.62	16.62
HA-14	4/16/2007	23.47	--	--	--	7.87	15.60	15.60
HA-14	5/14/2007	23.47	--	--	--	9.10	14.37	14.37
HA-14	6/29/2007	23.47	--	--	--	8.70	14.77	14.77
HA-14	7/20/2007	23.47	--	--	--	10.08	13.39	13.39
HA-14	8/21/2007	23.47	--	--	--	10.12	13.35	13.35
HA-14	9/10/2007	23.47	--	--	--	10.41	13.06	13.06
HA-14	10/22/2007	23.47	--	--	--	8.76	14.71	14.71
HA-14	11/28/2007	23.47	--	--	--	6.79	16.68	16.68
HA-14	12/13/2007	23.47	7.72	15.75	0.07	7.79	15.73	15.79
HA-14	1/21/2008	23.47	--	--	--	6.54	16.93	16.93
HA-14	2/24/2008	23.47	--	--	--	8.21	15.26	15.26
HA-14	3/24/2008	23.47	--	--	--	8.61	14.86	14.86
HA-14	6/2/2008	23.47	--	--	--	9.68	13.79	--

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HA-14	8/25/2008	23.47	--	--	--	8.67	14.80	14.80
HA-14	2/18/2009	23.47			Not Monitored			NM
HA-14	8/25/2009	23.47	--	--	--	10.41	13.06	NM
HA-14	3/22/2010	23.47	--	--	--	8.15	15.32	15.32
HA-14	8/23/2010	23.47	--	--	--	9.94	13.53	13.53
HA-14	2/7/2011	23.47	--	--	--	7.35	16.12	--
HA-14	5/27/2011	23.47	--	--	--	8.28	15.19	--
HA-14	8/8/2011	23.47	--	--	--	9.89	13.58	--
HA-14	11/14/2011	23.47	--	--	--	10.31	13.16	--
HA-14	2/20/2012	23.47	--	--	--	6.90	16.57	--
HA-14	8/22/2012	23.47	--	--	--	9.83	13.64	--
HA-14	11/5/2012	23.47			DRY			
HA-14	1/28/2013	23.47	--	--	--	7.34	16.13	--
HA-14	5/9/2013	23.47	--	--	--	8.22	15.25	--
HA-14	8/19/2013	23.47	--	--	--	10.15	13.32	--
HA-14	11/25/2013	23.47	--	--	--	8.16	15.31	--
HA-14	2/14/2014	23.47	--	--	--	7.90	15.57	--
HA-14	5/5/2014	23.47	--	--	--	6.91	16.56	--
HA-14	8/19/2014	23.47	--	--	--	9.17	14.30	--
HA-14	11/21/2014	23.47	--	--	--	8.11	15.36	--
HA-15	1/31/2003	22.87	--	--	--	5.56	17.31	--
HA-15	2/7/2003	22.87	--	--	--	5.31	17.56	17.31
HA-15	2/12/2003	22.87	--	--	--	5.64	17.23	17.56
HA-15	2/18/2003	22.87	--	--	--	6.09	16.78	17.23
HA-15	2/21/2003	22.87	--	--	--	7.92	14.95	14.95
HA-15	2/24/2003	22.87	--	--	--	6.04	16.83	16.83
HA-15	3/4/2003	22.87	--	--	--	6.62	16.25	16.25
HA-15	3/12/2003	22.87	--	--	--	6.02	16.85	16.85
HA-15	3/26/2003	22.87	--	--	--	5.46	17.41	17.41
HA-15	3/28/2003	22.87	--	--	--	5.96	16.91	16.91
HA-15	4/2/2003	22.87	--	--	--	5.91	16.96	16.96
HA-15	4/4/2003	22.87	--	--	--	6.22	16.65	16.65
HA-15	4/8/2003	22.87	--	--	--	6.42	16.45	16.45
HA-15	4/11/2003	22.87	--	--	--	6.63	16.24	16.24
HA-15	4/15/2003	22.87	--	--	--	6.28	16.59	16.59
HA-15	4/17/2003	22.87	--	--	--	6.49	16.38	16.38
HA-15	4/22/2003	22.87	--	--	--	6.66	16.21	16.21
HA-15	4/25/2003	22.87	--	--	--	7.07	15.80	15.80
HA-15	5/2/2003	22.87	--	--	--	7.06	15.81	15.81
HA-15	5/6/2003	22.87	--	--	--	7.32	15.55	15.55
HA-15	5/9/2003	22.87	--	--	--	7.52	15.35	15.35
HA-15	5/23/2003	22.87	--	--	--	7.83	15.04	15.04
HA-15	5/28/2003	22.87			DRY			Dry
HA-15	6/13/2003	22.87			DRY			Dry
HA-15	6/18/2003	22.87			DRY			Dry
HA-15	6/27/2003	22.87			DRY			Dry
HA-15	7/7/2003	22.87			DRY			Dry
HA-15	7/16/2003	22.87			DRY			Dry
HA-15	7/31/2003	22.87			DRY			Dry
HA-15	8/5/2003	22.87			DRY			Dry
HA-15	8/11/2003	22.87			DRY			Dry
HA-15	8/22/2003	22.87			DRY			Dry
HA-15	8/26/2003	22.87			DRY			Dry
HA-15	9/2/2003	22.87			DRY			Dry
HA-15	9/9/2003	22.87			DRY			Dry
HA-15	9/19/2003	22.87			DRY			Dry
HA-15	10/14/2003	22.87			DRY			Dry
HA-15	11/20/2003	22.87			DRY			Dry
HA-15	12/3/2003	22.87	--	--	--	6.08	16.79	16.79
HA-15	1/19/2004	22.87	--	--	--	5.49	17.38	17.38
HA-15	2/24/2004	22.87	--	--	--	6.32	16.55	16.55
HA-15	3/15/2004	22.87	--	--	--	7.32	15.55	15.55
HA-15	4/19/2004	22.87	--	--	--	7.80	15.07	15.07
HA-15	5/17/2004	22.87			DRY			0.00
HA-15	6/22/2004	22.87			DRY			0.00

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-15	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	15.01

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-16	1/2/2003	22.07	5.60	16.47	0.22	5.82	16.42	16.58
HA-16	1/6/2003	22.07	5.08	16.99	0.02	5.10	16.99	17.00
HA-16	1/7/2003	22.07	5.05	17.02	0.02	5.07	17.02	17.03
HA-16	1/8/2003	22.07	4.95	17.12	0.03	4.98	17.11	17.14
HA-16	1/9/2003	22.07	4.92	17.15	0.02	4.94	17.15	17.16
HA-16	1/10/2003	22.07	4.94	17.13	0.02	4.96	17.13	17.14
HA-16	1/14/2003	22.07	3.09	18.98	2.03	5.12	18.47	20.00
HA-16	1/15/2003	22.07	5.00	17.07	0.05	5.05	17.06	17.10
HA-16	1/16/2003	22.07	4.92	17.15	0.04	4.96	17.14	17.17
HA-16	1/17/2003	22.07	4.95	17.12	0.02	4.97	17.12	17.13
HA-16	1/20/2003	22.07	4.98	17.09	0.04	5.02	17.08	17.11
HA-16	5/28/2003	22.07	7.35	14.72	0.77	8.12	14.53	15.11
HA-16	12/21/2004	22.07	--	--	--	5.23	16.84	16.84
HA-16	1/13/2005	22.07	--	--	--	6.10	15.97	15.97
HA-16	4/28/2005	22.07	--	--	--	5.40	16.67	16.67
HA-16	6/1/2005	22.07	--	--	--	5.66	16.41	16.41
HA-16	6/29/2005	22.07	--	--	--	7.14	14.93	14.93
HA-16	7/20/2005	22.07	7.77	14.30	0.01	7.78	14.30	14.31
HA-16	8/22/2005	22.07	--	--	--	8.00	14.07	14.07
HA-16	9/12/2005	22.07	--	--	--	8.58	13.49	13.49
HA-16	10/12/2005	22.07	--	--	--	9.29	12.78	12.78
HA-16	11/21/2005	22.07	--	--	--	6.99	15.08	15.08
HA-16	12/27/2005	22.07	--	--	--	6.14	15.93	15.93
HA-16	1/31/2006	22.07	2.75	19.32	0.01	2.76	19.32	19.33
HA-16	2/16/2006	22.07	--	--	--	4.26	17.81	17.81
HA-16	3/13/2006	22.07	--	--	--	5.25	16.82	16.82
HA-16	4/18/2006	22.07	--	--	--	5.71	16.36	16.36
HA-16	5/12/2006	22.07	--	--	--	6.10	15.97	15.97
HA-16	6/9/2006	22.07	--	--	--	5.75	16.32	16.32
HA-16	7/13/2006	22.07	--	--	--	7.00	15.07	15.07
HA-16	8/16/2006	22.07	--	--	--	8.00	14.07	14.07
HA-16	9/19/2006	22.07	--	--	--	8.60	13.47	13.47
HA-16	10/13/2006	22.07	--	--	--	8.36	13.71	13.71
HA-16	11/20/2006	22.07	--	--	--	4.42	17.65	17.65
HA-16	12/8/2006	22.07	--	--	--	3.96	18.11	18.11
HA-16	1/19/2007	22.07	--	--	--	3.66	18.41	18.41
HA-16	2/19/2007	22.07	--	--	--	5.84	16.23	16.23
HA-16	3/15/2007	22.07	--	--	--	4.60	17.47	17.47
HA-16	4/16/2007	22.07	--	--	--	5.13	16.94	16.94
HA-16	5/14/2007	22.07	--	--	--	6.70	15.37	15.37
HA-16	6/29/2007	22.07	--	--	--	7.91	14.16	14.16
HA-16	7/20/2007	22.07	--	--	--	8.37	13.70	13.70
HA-16	8/21/2007	22.07	--	--	--	9.05	13.02	13.02
HA-16	9/10/2007	22.07	--	--	--	9.11	12.96	12.96
HA-16	10/22/2007	22.07	--	--	--	7.95	14.12	14.12
HA-16	11/28/2007	22.07	--	--	--	7.20	14.87	14.87
HA-16	12/13/2007	22.07	5.77	16.30	0.01	5.78	16.30	16.31
HA-16	1/21/2008	22.07	--	--	--	5.75	16.32	16.32
HA-16	2/24/2008	22.07	--	--	--	6.32	15.75	15.75
HA-16	3/24/2008	22.07	--	--	--	6.65	15.42	15.42
HA-16	8/25/2008	22.07	--	--	--	8.60	13.47	13.47
HA-16	2/18/2009	22.07	--	--	--	6.64	15.43	15.43
HA-16	8/25/2009	22.07	--	--	--	9.87	12.20	12.20
HA-16	3/22/2010	22.07	--	--	--	5.53	16.54	16.54
HA-16	8/23/2010	22.07	--	--	--	8.08	13.99	13.99
HA-16	2/7/2011	22.07	--	--	--	5.18	16.89	--
HA-16	5/27/2011	22.07	--	--	--	6.08	15.99	--
HA-16	8/8/2011	22.07	--	--	--	8.15	13.92	--
HA-16	11/14/2011	22.07	--	--	--	7.85	14.22	--
HA-16	2/20/2012	22.07	--	--	--	4.61	17.46	--
HA-16	8/22/2012	22.07	--	--	--	7.85	14.22	--
HA-16	11/5/2012	22.07	--	--	--	7.17	14.90	--
HA-16	1/28/2013	22.07	--	--	--	4.73	17.34	--
HA-16	5/9/2013	22.07	--	--	--	5.89	16.18	--
HA-16	8/19/2013	22.07	--	--	--	8.64	13.43	--
HA-16	11/25/2013	22.07	--	--	--	6.10	15.97	--

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HA-16	2/14/2014	22.07	--	--	--	5.54	16.53	--
HA-16	5/5/2014	22.07	--	--	--	3.94	18.13	--
HA-16	8/19/2014				Decommissioned Well			
HA-17	8/11/2003	21.92			DRY			
HA-17	3/15/2004	21.92	--	--	--	6.66	15.26	Dry
HA-17	9/21/2004	21.92	--	--	--	7.75	14.17	15.26
HA-17	12/21/2004	21.92	--	--	--	5.07	16.85	14.17
HA-17	1/13/2005	21.92	--	--	--	5.85	16.07	16.07
HA-17	4/28/2005	21.92	--	--	--	4.85	17.07	17.07
HA-17	6/1/2005	21.92	--	--	--	5.09	16.83	16.83
HA-17	6/29/2005	21.92	--	--	--	6.97	14.95	14.95
HA-17	7/20/2005	21.92	--	--	--	7.63	14.29	14.29
HA-17	8/22/2005	21.92	--	--	--	7.82	14.10	14.10
HA-17	9/12/2005	21.92			DRY			Dry
HA-17	10/12/2005	21.92			DRY			Dry
HA-17	11/21/2005	21.92	--	--	--	6.43	15.49	15.49
HA-17	12/27/2005	21.92	--	--	--	5.10	16.82	16.82
HA-17	1/30/2006	21.92	--	--	--	2.81	19.11	19.11
HA-17	2/16/2006	21.92	--	3.68	0.01	3.69	18.24	18.25
HA-17	3/13/2006	21.92	--	--	--	4.63	17.29	17.29
HA-17	4/18/2006	21.92	--	--	--	5.00	16.92	16.92
HA-17	5/12/2006	21.92	--	--	--	5.54	16.38	16.38
HA-17	6/9/2006	21.92	--	--	--	4.97	16.95	16.95
HA-17	7/13/2006	21.92	--	--	--	9.50	12.42	12.42
HA-17	8/16/2006	21.92	--	--	--	7.50	14.42	14.42
HA-17	9/19/2006	21.92			DRY			Dry
HA-17	10/13/2006	21.92			DRY			Dry
HA-17	11/20/2006	21.92	--	--	--	4.12	17.80	17.80
HA-17	12/8/2006	21.92	--	--	--	3.48	18.44	18.44
HA-17	1/19/2007	21.92	--	--	--	3.02	18.90	18.90
HA-17	2/19/2007	21.92	--	--	--	5.85	16.07	16.07
HA-17	3/15/2007	21.92	--	--	--	3.97	17.95	17.95
HA-17	4/16/2007	21.92	--	--	--	4.51	17.41	17.41
HA-17	5/14/2007	21.92	--	--	--	6.71	15.21	15.21
HA-17	6/29/2007	21.92	--	--	--	7.58	14.34	14.34
HA-17	7/20/2007	21.92			DRY			Dry
HA-17	8/21/2007	21.92			DRY			Dry
HA-17	9/10/2007	21.92			DRY			Dry
HA-17	10/22/2007	21.82	--	--	--	7.36	14.46	14.46
HA-17	11/28/2007	21.82	--	--	--	6.95	14.87	14.87
HA-17	12/13/2007	21.82	--	--	--	5.89	15.93	15.93
HA-17	1/21/2008	21.82	--	--	--	5.45	16.37	16.37
HA-17	2/24/2008	21.82	--	--	--	6.09	15.73	15.73
HA-17	3/24/2008	21.82	--	--	--	6.41	15.41	15.41
HA-17	8/25/2008	21.82			DRY			Dry
HA-17	2/18/2009	21.82	--	--	--	6.68	15.14	15.14
HA-17	8/25/2009	21.82	--	--	--	8.10	13.72	13.72
HA-17	3/22/2010	21.82	--	--	--	4.92	16.90	16.90
HA-17	8/23/2010	21.82			DRY			Dry
HA-17	2/7/2011	21.82	--	--	--	4.89	16.93	--
HA-17	5/27/2011	21.82			Not Monitored			
HA-17	8/8/2011	21.82			Dry			
HA-17	11/14/2011	21.82	--	--	--	7.69	14.13	--
HA-17	2/20/2012	21.82	--	--	--	4.91	16.91	--
HA-17	8/22/2012	21.82	--	--	--	7.61	14.21	--
HA-17	11/5/2012	21.82	--	--	--	7.31	14.51	--
HA-17	1/28/2013	21.82	--	--	--	4.33	17.49	--
HA-17	5/9/2013	21.82	--	--	--	6.00	15.82	--
HA-17	8/19/2013	21.82			DRY			
HA-17	11/25/2013	21.82	--	--	--	6.46	15.36	--
HA-17	2/14/2014	21.82	--	--	--	5.27	16.55	--
HA-17	5/5/2014	21.82	--	--	--	4.68	17.14	--
HA-17	8/19/2014				Decommissioned Well			
HA-18	8/11/2003	21.51			DRY			

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

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-19	5/6/2003	22.92	--	--	--	7.80	15.12	15.12
HA-19	5/9/2003	22.92	--	--	--	8.00	14.92	14.92
HA-19	5/23/2003	22.92			DRY			Dry
HA-19	5/28/2003	22.92			DRY			Dry
HA-19	6/13/2003	22.92			DRY			Dry
HA-19	6/18/2003	22.92			DRY			Dry
HA-19	6/27/2003	22.92			DRY			Dry
HA-19	7/7/2003	22.92			DRY			Dry
HA-19	7/16/2003	22.92			DRY			Dry
HA-19	7/31/2003	22.92			DRY			Dry
HA-19	8/5/2003	22.92			DRY			Dry
HA-19	8/11/2003	22.92			DRY			Dry
HA-19	8/22/2003	22.92			DRY			Dry
HA-19	8/26/2003	22.92			DRY			Dry
HA-19	9/2/2003	22.92			DRY			Dry
HA-19	9/9/2003	22.92			DRY			Dry
HA-19	9/19/2003	22.92			DRY			Dry
HA-19	10/14/2003	22.92			DRY			Dry
HA-19	11/20/2003	22.92	--	--	--	4.74	18.18	18.18
HA-19	12/3/2003	22.92	--	--	--	5.35	17.57	17.57
HA-19	1/19/2004	22.92	5.51	17.41	0.005	5.52	17.41	17.41
HA-19	2/24/2004	22.92	7.18	15.74	0.005	7.19	15.74	15.74
HA-19	3/15/2004	22.92	--	--	--	7.94	14.98	14.98
HA-19	4/19/2004	22.92	--	--	--	8.01	14.91	14.91
HA-19	5/17/2004	22.92			DRY			0.00
HA-19	6/22/2004	22.92			DRY			0.00
HA-19	8/18/2004	22.92			DRY			0.00
HA-19	9/21/2004	22.92	--	--	--	6.85	16.07	16.07
HA-19	10/19/2004	22.92	--	--	--	4.21	18.71	18.71
HA-19	11/23/2004	22.92			DRY			0.00
HA-19	12/21/2004	22.92	--	--	--	5.13	17.79	17.79
HA-19	1/13/2005	22.92	--	--	--	7.35	15.57	15.57
HA-19	4/28/2005	22.92	--	--	--	6.97	15.95	15.95
HA-19	6/1/2005	22.92	--	--	--	7.39	15.53	15.53
HA-19	6/29/2005	22.92			DRY			Dry
HA-19	7/20/2005	22.92			DRY			Dry
HA-19	8/22/2005	22.92			DRY			Dry
HA-19	9/12/2005	22.92			DRY			Dry
HA-19	10/12/2005	22.92			DRY			Dry
HA-19	11/21/2005	22.92	--	--	--	8.81	14.11	14.11
HA-19	12/27/2005	22.92	--	--	--	4.17	18.75	18.75
HA-19	1/30/2006	22.92	--	--	--	4.14	18.78	18.78
HA-19	2/16/2006	22.92	--	--	--	6.13	16.79	16.79
HA-19	3/13/2006	22.92	--	--	--	7.16	15.76	15.76
HA-19	4/18/2006	22.92	--	--	--	6.68	16.24	16.24
HA-19	5/12/2006	22.92	--	--	--	7.79	15.13	15.13
HA-19	6/9/2006	22.92	--	--	--	7.33	15.59	15.59
HA-19	7/13/2006	22.92	--	--	--	8.00	14.92	14.92
HA-19	8/16/2006	22.92			DRY			Dry
HA-19	9/19/2006	22.92			DRY			Dry
HA-19	10/16/2006	22.92			DRY			Dry
HA-19	11/20/2006	22.92	--	--	--	4.40	18.52	18.52
HA-19	12/8/2006	22.92	--	--	--	5.54	17.38	17.38
HA-19	1/19/2007	22.92	--	--	--	5.20	17.72	17.72
HA-19	2/19/2007	22.92	--	--	--	7.20	15.72	15.72
HA-19	3/15/2007	22.92	--	--	--	6.09	16.83	16.83
HA-19	4/16/2007	22.92	--	--	--	6.99	15.93	15.93
HA-19	5/14/2007	22.92			DRY			Dry
HA-19	6/29/2007	22.92			DRY			Dry
HA-19	7/20/2007	22.92			DRY			Dry
HA-19	8/21/2007	22.92			DRY			Dry
HA-19	9/10/2007	22.92			DRY			Dry
HA-19	10/22/2007	22.92	--	--	--	3.99	18.93	18.93
HA-19	11/28/2007	22.92	--	--	--	5.71	17.21	17.21
HA-19	12/13/2007	22.92	--	--	--	4.60	18.32	18.32
HA-19	1/21/2008	22.92	--	--	--	6.37	16.55	16.55

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-19	2/24/2008	22.92	--	--	--	7.41	15.51	15.51
HA-19	3/24/2008	22.92	--	--	--	4.37	18.55	18.55
HA-19	8/25/2008	22.92	--	--	--	6.02	16.90	16.90
HA-19	2/18/2009	22.92	--	--	--	7.75	15.17	15.17
HA-19	8/25/2009	22.92	--	--	DRY			Dry
HA-19	3/22/2010	22.92	--	--	--	7.48	15.44	15.44
HA-19	8/23/2010	22.92	--	--	DRY			Dry
HA-19	2/7/2011	22.92	--	--	--	6.55	16.37	--
HA-19	2/7/2011	22.92	--	--	--	7.10	15.82	--
HA-19	8/8/2011	22.92	--	--	Dry			
HA-19	11/14/2011	22.92	--	--	--	7.23	15.69	--
HA-19	2/20/2012	22.92	--	--	--	5.58	17.34	--
HA-19	8/22/2012	22.92	--	--	--	Dry	--	--
HA-19	11/5/2012	22.92	--	--	--	4.92	18.00	--
HA-19	1/28/2013	22.92	--	--	--	6.46	16.46	--
HA-19	5/9/2013	22.92	--	--	--	7.34	15.58	--
HA-19	8/19/2013	22.92	--	--	DRY			
HA-19	11/25/2013	22.92	--	--	--	6.12	16.80	--
HA-19	2/14/2014	22.92	--	--	--	3.67	19.25	--
HA-19	5/5/2014	22.92	--	--	--	4.51	18.41	--
HA-19	8/19/2014	22.92	--	--	DRY			
HA-19	11/21/2014	22.92	--	--	--	7.03	15.89	--
HA-20	11/24/2002	23.10	--	--	--	7.49	15.61	15.61
HA-20	11/27/2002	23.10	6.46	16.64	3.51	9.97	15.76	18.40
HA-20	12/5/2002	23.10	6.25	16.85	3.57	9.82	15.96	18.64
HA-20	12/11/2002	23.10	6.25	16.85	3.48	9.73	15.98	18.59
HA-20	12/13/2002	23.10	6.12	16.98	3.55	9.67	16.09	18.76
HA-20	12/17/2002	23.10	5.29	17.81	4.20	9.49	16.76	19.91
HA-20	1/3/2003	23.10	3.26	19.84	4.39	7.65	18.74	22.04
HA-20	1/6/2003	23.10	3.83	19.27	3.10	6.93	18.50	20.82
HA-20	1/7/2003	23.10	4.45	18.65	1.16	5.61	18.36	19.23
HA-20	1/8/2003	23.10	4.22	18.88	1.57	5.79	18.49	19.67
HA-20	1/9/2003	23.10	3.97	19.13	3.11	7.08	18.35	20.69
HA-20	1/10/2003	23.10	4.04	19.06	3.24	7.28	18.25	20.68
HA-20	1/13/2003	23.10	4.75	18.35	0.92	5.67	18.12	18.81
HA-20	1/14/2003	23.10	4.15	18.95	3.47	7.62	18.08	20.69
HA-20	1/15/2003	23.10	4.05	19.05	3.10	7.15	18.28	20.60
HA-20	1/16/2003	23.10	4.15	18.95	2.90	7.05	18.23	20.40
HA-20	1/17/2003	23.10	4.18	18.92	2.82	7.00	18.22	20.33
HA-20	1/20/2003	23.10	4.15	18.95	3.09	7.24	18.18	20.50
HA-20	1/22/2003	23.10	3.30	19.80	6.50	9.80	18.18	23.05
HA-20	1/23/2003	23.10	4.80	18.30	3.78	8.58	17.36	20.19
HA-20	1/24/2003	23.10	4.55	18.55	3.66	8.21	17.64	20.38
HA-20	1/27/2003	23.10	3.68	19.42	2.96	6.64	18.68	20.90
HA-20	1/28/2003	23.10	3.82	19.28	3.68	7.50	18.36	21.12
HA-20	1/29/2003	23.10	4.05	19.05	4.44	8.49	17.94	21.27
HA-20	1/30/2003	23.10	4.26	18.84	4.06	8.32	17.83	20.87
HA-20	2/3/2003	23.10	4.33	18.77	3.17	7.50	17.98	20.36
HA-20	2/6/2003	23.10	4.59	18.51	1.80	6.39	18.06	19.41
HA-20	2/11/2003	23.10	6.18	16.92	2.39	8.57	16.32	18.12
HA-20	2/18/2003	23.10	7.40	15.70	0.88	8.28	15.48	16.14
HA-20	2/21/2003	23.10	7.34	15.76	0.73	8.07	15.58	16.13
HA-20	2/26/2003	23.10	6.09	17.01	0.11	6.20	16.98	17.07
HA-20	3/4/2003	23.10	7.47	15.63	1.87	9.34	15.16	16.57
HA-20	3/12/2003	23.10	7.05	16.05	2.63	9.68	15.39	17.37
HA-20	3/14/2003	23.10	7.14	15.96	2.27	9.41	15.39	17.10
HA-20	3/26/2003	23.10	5.64	17.46	3.93	9.57	16.48	19.43
HA-20	3/28/2003	23.10	6.91	16.19	2.50	9.41	15.57	17.44
HA-20	4/2/2003	23.10	6.47	16.63	2.65	9.12	15.97	17.96
HA-20	4/4/2003	23.10	7.01	16.09	2.13	9.14	15.56	17.16
HA-20	4/8/2003	23.10	7.16	15.94	1.49	8.65	15.57	16.69
HA-20	4/11/2003	23.10	7.21	15.89	1.66	8.87	15.48	16.72
HA-20	4/15/2003	23.10	6.91	16.19	0.40	7.31	16.09	16.39
HA-20	4/17/2003	23.10	7.71	15.39	1.00	8.71	15.14	15.89
HA-20	4/22/2003	23.10	7.28	15.82	1.39	8.67	15.47	16.52

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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

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
HA-20	12/13/2007	23.10	--	--	--	7.10	16.00	16.00
HA-20	1/21/2008	23.10	--	--	--	7.31	15.79	15.79
HA-20	2/24/2008	23.10	--	--	--	7.83	15.27	15.27
HA-20	3/24/2008	23.10	--	--	--	8.08	15.02	15.02
HA-20	8/25/2008	23.10	--	--	--	8.34	14.76	14.76
HA-20	2/18/2009	23.10	--	--	--	7.90	15.20	15.20
HA-20	8/25/2009	23.10	--	--	--	10.30	12.80	12.80
HA-20	3/22/2010	23.10	--	--	--	8.07	15.03	15.03
HA-20	8/23/2010	23.10	--	--	--	9.67	13.43	13.43
HA-20	2/7/2011	23.10	--	--	--	0.07	23.03	--
HA-20	5/27/2011	23.10	--	--	--	7.96	15.14	--
HA-20	8/8/2011	23.10	--	--	--	9.32	13.78	--
HA-20	11/14/2011	23.10	--	--	--	9.06	14.04	--
HA-20	2/20/2012	23.10	--	--	--	7.15	15.95	--
HA-20	8/22/2012	23.10	--	--	--	9.08	14.02	--
HA-20	11/5/2012	23.10	--	--	--	8.09	15.01	--
HA-20	1/28/2013	23.10	--	--	--	6.49	16.61	--
HA-20	5/9/2013	23.10	--	--	--	7.48	15.62	--
HA-20	8/19/2013	23.10	--	--	--	9.72	13.38	--
HA-20	11/25/2013	23.10	--	--	--	8.03	15.07	--
HA-20	2/14/2014	23.10	--	--	--	7.49	15.61	--
HA-20	5/5/2014	23.10	--	--	--	6.49	16.61	--
HA-20	8/19/2014				Decommissioned Well			
LAI-1	1/17/2003	20.94	--	--	--	4.17	16.77	--
LAI-1	1/20/2003	20.94	--	--	--	4.18	16.76	--
LAI-1	1/31/2003	20.94	--	--	--	4.28	16.66	16.77
LAI-1	2/7/2003	20.94	4.06	16.88	0.48	4.54	16.76	16.76
LAI-1	2/12/2003	20.94	4.38	16.56	1.08	5.46	16.29	17.10
LAI-1	2/18/2003	20.94	--	--	--	5.40	15.54	15.54
LAI-1	2/21/2003	20.94	--	--	--	5.52	15.42	15.42
LAI-1	2/24/2003	20.94	--	--	--	5.96	14.98	14.98
LAI-1	3/3/2003	20.94	--	--	--	5.76	15.18	15.18
LAI-1	3/12/2003	20.94	--	--	--	5.48	15.46	15.46
LAI-1	3/14/2003	20.94	--	--	--	5.09	15.85	15.85
LAI-1	3/26/2003	20.94	--	--	--	4.76	16.18	16.18
LAI-1	3/28/2003	20.94	--	--	--	4.86	16.08	16.08
LAI-1	4/2/2003	20.94	5.21	15.73	0.01	5.22	15.73	15.74
LAI-1	4/4/2003	20.94	5.19	15.75	0.01	5.20	15.75	15.76
LAI-1	4/8/2003	20.94	5.67	15.27	0.01	5.68	15.27	15.28
LAI-1	4/11/2003	20.94	5.07	15.87	0.01	5.08	15.87	15.88
LAI-1	4/15/2003	20.94	4.62	16.32	0.01	4.63	16.32	16.33
LAI-1	4/17/2003	20.94	6.14	14.80	0.01	6.15	14.80	14.81
LAI-1	4/22/2003	20.94	--	--	--	5.21	15.73	15.73
LAI-1	4/25/2003	20.94	--	--	--	5.43	15.51	15.51
LAI-1	5/2/2003	20.94	--	--	--	5.53	15.41	15.41
LAI-1	5/6/2003	20.94	--	--	--	5.66	15.28	15.28
LAI-1	5/9/2003	20.94	--	--	--	6.15	14.79	14.79
LAI-1	5/16/2003	20.94	--	--	--	6.40	14.54	14.54
LAI-1	5/23/2003	20.94	6.50	14.44	0.01	6.51	14.44	14.45
LAI-1	5/28/2003	20.94	6.45	14.49	0.01	6.46	14.49	14.50
LAI-1	6/13/2003	20.94	6.79	14.15	0.01	6.80	14.15	14.16
LAI-1	6/18/2003	20.94	--	--	--	6.78	14.16	14.16
LAI-1	6/27/2003	20.94	--	--	--	6.81	14.13	14.13
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

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

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LAI-1	5/5/2014	20.94	--	--	--	4.68	16.26	--
LAI-1	8/19/2014	20.94	--	--	--	7.33	13.61	--
LAI-1	11/21/2014	20.94	--	--	--	4.87	16.07	--
LAI-2	1/17/2003	20.89	--	--	--	4.14	16.75	--
LAI-2	1/20/2003	20.89	--	--	--	4.25	16.64	16.75
LAI-2	1/31/2003	20.89	--	--	--	4.55	16.34	16.64
LAI-2	2/7/2003	20.89	--	--	--	4.41	16.48	16.34
LAI-2	2/12/2003	20.89	--	--	--	4.71	16.18	16.18
LAI-2	2/18/2003	20.89	--	--	--	5.44	15.45	15.45
LAI-2	2/21/2003	20.89	--	--	--	5.61	15.28	15.28
LAI-2	2/24/2003	20.89	--	--	--	5.89	15.00	15.00
LAI-2	3/3/2003	20.89	--	--	--	5.17	15.72	15.72
LAI-2	3/12/2003	20.89	--	--	--	5.37	15.52	15.52
LAI-2	3/14/2003	20.89	--	--	--	5.24	15.65	15.65
LAI-2	3/26/2003	20.89	--	--	--	4.61	16.28	16.28
LAI-2	3/28/2003	20.89	--	--	--	4.72	16.17	16.17
LAI-2	4/2/2003	20.89	--	--	--	5.51	15.38	15.38
LAI-2	4/4/2003	20.89	--	--	--	5.48	15.41	15.41
LAI-2	4/8/2003	20.89	--	--	--	5.55	15.34	15.34
LAI-2	4/11/2003	20.89	--	--	--	5.19	15.70	15.70
LAI-2	4/15/2003	20.89	--	--	--	4.80	16.09	16.09
LAI-2	4/17/2003	20.89	--	--	--	5.96	14.93	14.93
LAI-2	4/22/2003	20.89	--	--	--	5.33	15.56	15.56
LAI-2	4/25/2003	20.89	--	--	--	5.49	15.40	15.40
LAI-2	5/2/2003	20.89	--	--	--	5.78	15.11	15.11
LAI-2	5/6/2003	20.89	--	--	--	5.42	15.47	15.47
LAI-2	5/9/2003	20.89	--	--	--	6.30	14.59	14.59
LAI-2	5/16/2003	20.89	--	--	--	6.54	14.35	14.35
LAI-2	5/23/2003	20.89	--	--	--	6.63	14.26	14.26
LAI-2	5/28/2003	20.89	--	--	--	6.51	14.38	14.38
LAI-2	6/13/2003	20.89	--	--	--	6.91	13.98	13.98
LAI-2	6/18/2003	20.89	--	--	--	6.86	14.03	14.03
LAI-2	6/27/2003	20.89	--	--	--	6.87	14.02	14.02
LAI-2	7/7/2003	20.89	--	--	--	7.40	13.49	13.49
LAI-2	7/16/2003	20.89	--	--	--	6.52	14.37	14.37
LAI-2	7/31/2003	20.89	--	--	--	7.48	13.41	13.41
LAI-2	8/5/2003	20.89	--	--	--	7.56	13.33	13.33
LAI-2	8/11/2003	20.89	--	--	--	8.81	12.08	12.08
LAI-2	8/22/2003	20.89	--	--	--	8.99	11.90	11.90
LAI-2	8/26/2003	20.89	--	--	--	7.86	13.03	13.03
LAI-2	9/2/2003	20.89	8.03	12.86	0.01	8.04	12.86	12.87
LAI-2	9/9/2003	20.89	--	--	--	8.46	12.43	12.43
LAI-2	9/19/2003	20.89	--	--	--	8.15	12.74	12.74
LAI-2	10/14/2003	20.89	--	--	--	8.25	12.64	12.64
LAI-2	11/20/2003	20.89	--	--	--	4.82	16.07	16.07
LAI-2	12/3/2003	20.89	--	--	--	4.13	16.76	16.76
LAI-2	1/19/2004	20.89	--	--	--	3.80	17.09	17.09
LAI-2	2/24/2004	20.89	--	--	--	5.26	15.63	15.63
LAI-2	3/15/2004	20.89	--	--	--	6.21	14.68	14.68
LAI-2	4/19/2004	20.89	--	--	--	6.31	14.58	14.58
LAI-2	5/17/2004	20.89	--	--	--	6.75	14.14	14.14
LAI-2	6/22/2004	20.89	--	--	--	6.61	14.28	14.28
LAI-2	8/18/2004	20.89	--	--	--	7.82	13.07	13.07
LAI-2	9/21/2004	20.89	--	--	--	6.81	14.08	14.08
LAI-2	10/19/2004	20.89	--	--	--	5.96	14.93	14.93
LAI-2	11/23/2004	20.89	--	--	--	6.34	14.55	14.55
LAI-2	12/21/2004	20.89	--	--	--	4.35	16.54	16.54
LAI-2	1/13/2005	20.89	--	--	--	5.15	15.74	15.74
LAI-2	4/28/2005	20.89	--	--	--	4.68	16.21	16.21
LAI-2	6/1/2005	20.89	--	--	--	4.95	15.94	15.94
LAI-2	6/29/2005	20.89	--	--	--	6.69	14.20	14.20
LAI-2	7/20/2005	20.89	--	--	--	6.80	14.09	14.09
LAI-2	8/22/2005	20.89	--	--	--	6.93	13.96	13.96
LAIx-2	9/12/2005	20.67	--	--	--	10.23	10.44	10.44

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LAIx-2	10/12/2005	20.67	--	--	--	9.91	10.76	10.76
LAIx-2	11/21/2005	20.67	--	--	--	8.23	12.44	12.44
LAIx-2	12/27/2005	20.67	--	--	--	6.92	13.75	13.75
LAIx-2	1/30/2006	20.67	--	--	--	5.34	15.33	15.33
LAIx-2	2/16/2006	20.67	7.39	13.28	0.01	7.40	13.28	13.29
LAIx-2	3/13/2006	20.67	--	--	--	7.71	12.96	12.96
LAIx-2	4/18/2006	20.67	--	--	--	7.89	12.78	12.78
LAIx-2	5/12/2006	20.67	--	--	--	8.83	11.84	11.84
LAIx-2	6/9/2006	20.67	--	--	--	8.16	12.51	12.51
LAIx-2	7/13/2006	20.67	--	--	--	9.43	11.24	11.24
LAIx-2	8/16/2006	20.67	--	--	--	10.17	10.50	10.50
LAIx-2	9/19/2006	20.67	--	--	--	9.65	11.02	11.02
LAIx-2	10/13/2006	20.67	--	--	--	9.62	11.05	11.05
LAIx-2	11/20/2006	20.67	--	--	--	5.33	15.34	15.34
LAIx-2	12/8/2006	20.67	--	--	--	6.14	14.53	14.53
LAIx-2	1/19/2007	20.67	--	--	--	5.75	14.92	14.92
LAIx-2	2/19/2007	20.67	--	--	--	7.51	13.16	13.16
LAIx-2	3/15/2007	20.67	--	--	--	6.50	14.17	14.17
LAIx-2	4/16/2007	20.67	--	--	--	7.14	13.53	13.53
LAIx-2	5/14/2007	20.67	--	--	--	8.17	12.50	12.50
LAIx-2	6/29/2007	20.67	--	--	--	8.86	11.81	11.81
LAIx-2	7/20/2007	20.67	--	--	--	9.13	11.54	11.54
LAIx-2	8/21/2007	20.67	--	--	--	9.30	11.37	11.37
LAIx-2	9/10/2007	20.67	--	--	--	9.18	11.49	11.49
LAIx-2	10/22/2007	20.67	--	--	--	7.30	13.37	13.37
LAIx-2	11/28/2007	20.67	--	--	--	6.72	13.95	13.95
LAIx-2	12/13/2007	20.67	--	--	--	4.96	15.71	15.71
LAIx-2	1/21/2008	20.67	--	--	--	5.24	15.43	15.43
LAIx-2	2/24/2008	20.67	--	--	--	5.94	14.73	14.73
LAIx-2	3/24/2008	20.67	--	--	--	6.37	14.30	14.30
LAIx-2	8/25/2008	20.67	--	--	--	7.96	12.71	12.71
LAIx-2	2/18/2009	20.67	--	--	--	6.04	14.63	14.63
LAIx-2	8/25/2009	20.67	--	--	--	8.78	11.89	11.89
LAIx-2	3/22/2010	20.67	--	--	--	6.42	14.25	14.25
LAIx-2	8/23/2010	20.67	--	--	--	8.20	12.47	12.47
LAIx-2	2/7/2011	20.67	--	--	--	4.80	15.87	--
LAIx-2	5/27/2011	20.67	--	--	--	6.65	14.02	--
LAIx-2	8/8/2011	20.67	--	--	--	7.41	13.26	--
LAIx-2	11/14/2011	20.67	--	--	--	6.94	13.73	--
LAIx-2	2/20/2012	20.67	--	--	--	5.54	15.13	--
LAIx-2	8/22/2012	20.67	--	--	--	6.94	13.73	--
LAIx-2	11/5/2012	20.67	--	--	--	5.65	15.02	--
LAIx-2	1/28/2013	20.67	--	--	--	4.64	16.03	--
LAIx-2	5/9/2013	20.67	--	--	--	8.38	12.29	--
LAIx-2	8/19/2013	20.67	--	--	--	10.60	10.07	--
LAIx-2	11/25/2013	20.67	--	--	--	7.92	12.75	--
LAIx-2	2/14/2014	20.67	--	--	--	7.42	13.25	--
LAIx-2	5/5/2014	20.67	--	--	--	6.19	14.48	--
LAIx-2	8/19/2014	20.67	--	--	--	9.12	11.55	--
LAIx-2	11/21/2014	20.67	--	--	--	6.89	13.78	--
LAI-3	1/17/2003	20.74	--	--	--	4.37	16.37	--
LAI-3	1/20/2003	20.74	--	--	--	4.28	16.46	16.37
LAI-3	1/31/2003	20.74	--	--	--	4.94	15.80	16.46
LAI-3	2/7/2003	20.74	--	--	--	4.41	16.33	15.80
LAI-3	2/12/2003	20.74	--	--	--	4.70	16.04	16.04
LAI-3	2/18/2003	20.74	--	--	--	5.21	15.53	15.53
LAI-3	2/21/2003	20.74	--	--	--	5.58	15.16	15.16
LAI-3	2/24/2003	20.74	--	--	--	5.66	15.08	15.08
LAI-3	3/3/2003	20.74	--	--	--	5.13	15.61	15.61
LAI-3	3/12/2003	20.74	--	--	--	5.32	15.42	15.42
LAI-3	3/14/2003	20.74	--	--	--	5.16	15.58	15.58
LAI-3	3/26/2003	20.74	--	--	--	4.65	16.09	16.09
LAI-3	3/28/2003	20.74	--	--	--	4.75	15.99	15.99
LAI-3	4/2/2003	20.74	--	--	--	5.57	15.17	15.17
LAI-3	4/4/2003	20.74	--	--	--	5.53	15.21	15.21

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

**Groundwater Elevation Data
Phillips 66 Company
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-3	4/16/2007	20.74	--	--	--	7.86	12.88	12.88
LAIx-3	5/14/2007	20.74	--	--	--	8.61	12.13	12.13
LAIx-3	6/29/2007	20.74	--	--	--	9.27	11.47	11.47
LAIx-3	7/20/2007	20.74	--	--	--	9.59	11.15	11.15
LAIx-3	8/21/2007	20.74	--	--	--	9.80	10.94	10.94
LAIx-3	9/10/2007	20.74	--	--	--	9.92	10.82	10.82
LAIx-3	10/22/2007	20.74	--	--	--	8.48	12.26	12.26
LAIx-3	11/28/2007	20.74	--	--	--	8.10	12.64	12.64
LAIx-3	12/13/2007	20.74	--	--	--	6.13	14.61	14.61
LAIx-3	1/21/2008	20.74	--	--	--	6.73	14.01	14.01
LAIx-3	2/24/2008	20.74	--	--	--	7.31	13.43	13.43
LAIx-3	3/24/2008	20.74	--	--	--	7.45	13.29	13.29
LAIx-3	8/25/2008	20.74	--	--	--	9.91	10.83	10.83
LAIx-3	2/18/2009	20.74	--	--	--	7.68	13.06	13.06
LAIx-3	8/25/2009	20.74	--	--	--	9.83	10.91	10.91
LAIx-3	3/22/2010	20.74	--	--	--	7.60	13.14	13.14
LAIx-3	8/23/2010	20.74	--	--	--	9.31	11.43	11.43
LAIx-3	2/7/2011	20.74	--	--	--	5.73	15.01	--
LAIx-3	5/27/2011	20.74	--	--	Not Monitored			
LAIx-3	8/8/2011	20.74	--	--	--	9.06	11.68	--
LAIx-3	11/14/2011	20.74	--	--	--	7.17	13.57	--
LAIx-3	2/20/2012	20.74	--	--	--	7.30	13.44	--
LAIx-3	8/22/2012	20.74	--	--	--	9.11	11.63	--
LAIx-3	11/5/2012	20.74	--	--	--	6.55	14.19	--
LAIx-3	1/28/2013	20.74	--	--	--	6.09	14.65	--
LAIx-3	5/9/2013	20.74	--	--	--	7.02	13.72	--
LAIx-3	8/19/2013	20.74	--	--	--	9.76	10.98	--
LAIx-3	11/25/2013	20.74	--	--	--	7.83	12.91	--
LAIx-3	2/14/2014	20.74	--	--	--	6.98	13.76	--
LAIx-3	5/5/2014	20.74	--	--	--	5.91	14.83	--
LAIx-3	8/19/2014	20.74	--	--	--	8.52	12.22	--
LAIx-3	11/21/2014	20.74	--	--	--	6.34	14.40	--
LAI-4	1/22/2003	22.43	6.87	15.56	0.43	7.30	15.45	--
LAI-4	1/23/2003	22.43	7.48	14.95	0.20	7.68	14.90	15.78
LAI-4	1/24/2003	22.43	6.72	15.71	0.67	7.39	15.54	15.05
LAI-4	1/27/2003	22.43	4.47	17.96	4.67	9.14	16.79	16.05
LAI-4	1/28/2003	22.43	4.97	17.46	4.43	9.40	16.35	19.68
LAI-4	1/29/2003	22.43	7.40	15.03	0.05	7.45	15.02	15.06
LAI-4	1/30/2003	22.43	7.88	14.55	0.06	7.94	14.54	14.58
LAI-4	2/3/2003	22.43	6.25	16.18	2.16	8.41	15.64	17.26
LAI-4	2/6/2003	23.88	6.28	17.60	1.04	7.32	17.34	18.12
LAI-4	2/11/2003	23.88	7.54	16.34	1.44	8.98	15.98	17.06
LAI-4	2/18/2003	23.88	9.28	14.60	0.17	9.45	14.56	14.69
LAI-4	2/21/2003	23.88	9.11	14.77	0.09	9.20	14.75	14.82
LAI-4	2/26/2003	23.88	8.37	15.51	1.35	9.72	15.17	16.19
LAI-4	3/3/2003	23.88	8.57	15.31	0.86	9.43	15.10	15.74
LAI-4	3/12/2003	23.88	8.80	15.08	0.14	8.94	15.05	15.15
LAI-4	3/14/2003	23.88	8.68	15.20	0.14	8.82	15.17	15.27
LAI-4	3/26/2003	23.88	--	--	--	9.06	14.82	14.82
LAI-4	3/28/2003	23.88	--	--	--	9.28	14.60	14.60
LAI-4	4/2/2003	23.88	8.21	15.67	0.08	8.29	15.65	15.71
LAI-4	4/4/2003	23.88	8.58	15.30	0.04	8.62	15.29	15.32
LAI-4	4/8/2003	23.88	8.51	15.37	0.13	8.64	15.34	15.44
LAI-4	4/11/2003	23.88	8.78	15.10	0.14	8.92	15.07	15.17
LAI-4	4/15/2003	23.88	7.86	16.02	0.95	8.81	15.78	16.50
LAI-4	4/17/2003	23.88	9.19	14.69	0.02	9.21	14.69	14.70
LAI-4	4/22/2003	23.88	6.61	17.27	0.19	6.80	17.22	17.37
LAI-4	4/25/2003	23.88	8.96	14.92	0.25	9.21	14.86	15.05
LAI-4	5/2/2003	23.88	9.06	14.82	0.10	9.16	14.80	14.87
LAI-4	5/6/2003	23.88	8.56	15.32	1.85	10.41	14.86	16.25
LAI-4	5/9/2003	23.88	10.96	12.92	0.02	10.98	12.92	12.93
LAI-4	5/23/2003	23.88	10.17	13.71	0.02	10.19	13.71	13.72
LAI-4	5/28/2003	23.88	9.81	14.07	0.03	9.84	14.06	14.09
LAI-4	6/13/2003	23.88	10.09	13.79	0.03	10.12	13.78	13.81
LAI-4	6/18/2003	23.88	10.05	13.83	0.08	10.13	13.81	13.87

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-4	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
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

**Groundwater Elevation Data
Phillips 66 Company
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-4	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

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-5	6/1/2005	25.52	--	--	--	9.61	15.91	15.91
LAI-5	6/29/2005	25.52	--	--	--	11.40	14.12	14.12
LAI-5	7/20/2005	25.52	--	--	--	11.47	14.05	14.05
LAI-5	8/22/2005	25.52	--	--	--	11.44	14.08	14.08
LAI-5	5/27/2011	25.52			Not Monitored			
LAIx-5	9/12/2005	25.63	--	--	--	14.18	11.45	11.45
LAIx-5	10/12/2005	25.63	--	--	--	14.58	11.05	11.05
LAIx-5	11/21/2005	25.63	--	--	--	12.08	13.55	13.55
LAIx-5	12/27/2005	25.63	11.10	14.53	0.05	11.15	14.52	14.56
LAIx-5	1/30/2006	25.63	7.33	18.30	2.73	10.06	17.62	19.67
LAIx-5	2/16/2006	25.63	12.10	13.53	0.00	12.10	13.53	13.53
LAIx-5	3/13/2006	25.63	--	--	--	12.71	12.92	12.92
LAIx-5	4/18/2006	25.63	10.60	15.03	2.69	13.29	14.36	16.38
LAIx-5	5/12/2006	25.63	11.10	14.53	3.33	14.43	13.70	16.20
LAIx-5	6/9/2006	25.63	12.54	13.09	0.01	12.55	13.09	13.10
LAIx-5	7/13/2006	25.63	13.10	12.53	0.15	13.25	12.49	12.61
LAIx-5	8/16/2006	25.63	--	--	--	13.80	11.83	11.83
LAIx-5	9/19/2006	25.63	--	--	--	14.35	11.28	11.28
LAIx-5	10/13/2006	25.63	--	--	--	13.80	11.83	11.83
LAIx-5	11/20/2006	25.63	9.82	15.81	0.27	10.09	15.74	15.95
LAIx-5	12/8/2006	25.63	9.92	15.71	0.80	10.72	15.51	16.11
LAIx-5	1/19/2007	25.63	8.94	16.69	1.31	10.25	16.36	17.35
LAIx-5	2/19/2007	25.63	10.04	15.59	0.25	10.29	15.53	15.72
LAIx-5	3/15/2007	25.63	9.29	16.34	0.25	9.54	16.28	16.47
LAIx-5	4/16/2007	25.63	10.46	15.17	0.16	10.62	15.13	15.25
LAIx-5	5/14/2007	25.63	11.63	14.00	0.02	11.65	14.00	14.01
LAIx-5	6/29/2007	25.63	--	--	--	11.88	13.75	13.75
LAIx-5	7/20/2007	25.63	--	--	--	12.59	13.04	13.04
LAIx-5	8/21/2007	25.63	--	--	--	13.18	12.45	12.45
LAIx-5	9/10/2007	25.63	--	--	--	15.47	10.16	10.16
LAIx-5	10/22/2007	25.63	--	--	--	11.95	13.68	13.68
LAIx-5	11/28/2007	25.63	--	--	--	11.37	14.26	14.26
LAIx-5	12/13/2007	25.63	10.82	14.81	0.13	10.95	14.78	14.88
LAIx-5	1/21/2008	25.63	--	--	--	11.68	13.95	13.95
LAIx-5	2/24/2008	25.63	--	--	--	10.13	15.50	15.50
LAIx-5	3/24/2008	25.63	--	--	--	11.11	14.52	14.52
LAIx-5	8/25/2008	25.63	--	--	--	12.30	13.33	13.33
LAIx-5	2/18/2009	25.63	--	--	--	10.65	14.98	14.98
LAIx-5	8/25/2009	25.63	--	--	--	12.92	12.71	12.71
LAIx-5	3/22/2010	25.63	10.79	14.84	0.01	10.80	14.84	14.86
LAIx-5	8/23/2010	25.63			DRY			--
LAIx-5	2/7/2011	25.63	9.80		0.05	9.85	15.82	--
LAIx-5	5/27/2011	25.63			Not Monitored			
LAIx-5	11/14/2016	25.63	--	--	--	8.83	16.80	--
LAIx-5	2/17/2017	25.63	--	--	--	7.82	17.81	18.08
LAIx-5	5/24/2017	25.63	--	--	--	8.83	16.80	18.34
LAIx-5	9/26/2017	25.63	--	--	--	11.46	14.17	18.54
LAIx-5	9/28/2017	--	--	--	--	--	--	--
LAIx-5	12/11/2017	25.63	--	--	--	7.02	18.61	--
LAIx-5	2/26/2018	25.63	--	--	--	7.87	17.76	--
LAIx-5	6/11/2018	25.63	--	--	--	10.99	14.64	--
LAIx-5	8/27/2018	25.63	--	--	--	11.78	13.85	--
LAIx-5	12/17/2018	25.63	--	--	--	7.18	18.45	--
LAI-6	1/22/2003	22.86	6.67	16.19	3.78	10.45	15.25	--
LAI-6	1/23/2003	22.86	6.45	16.41	3.85	10.30	15.45	--
LAI-6	1/24/2003	22.86	6.32	16.54	4.00	10.32	15.54	--
LAI-6	1/27/2003	22.86	5.68	17.18	3.37	9.05	16.34	18.87
LAI-6	1/28/2003	22.86	6.91	15.95	0.93	7.84	15.72	16.42
LAI-6	1/29/2003	22.86	6.51	16.35	2.53	9.04	15.72	17.62
LAI-6	1/30/2003	22.86	6.36	16.50	3.60	9.96	15.60	18.30
LAI-6	2/3/2003	22.86	6.27	16.59	3.69	9.96	15.67	18.44
LAI-6	2/6/2003	22.86	5.79	17.07	3.79	9.58	16.12	18.97
LAI-6	2/11/2003	22.86	6.03	16.83	3.61	9.64	15.93	18.64
LAI-6	2/18/2003	22.86	7.98	14.88	0.42	8.40	14.78	15.09

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-6	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
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

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-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

**Groundwater Elevation Data
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-7	5/6/2003	24.28	9.17	15.11	1.19	10.36	14.81	15.71
LAI-7	5/9/2003	24.28	10.04	14.24	0.06	10.10	14.23	14.27
LAI-7	5/23/2003	24.28	10.60	13.68	0.02	10.62	13.68	13.69
LAI-7	5/28/2003	24.28	10.21	14.07	0.01	10.22	14.07	14.08
LAI-7	6/13/2003	24.28	9.90	14.38	0.55	10.45	14.24	14.66
LAI-7	6/18/2003	24.28	10.57	13.71	0.02	10.59	13.71	13.72
LAI-7	6/27/2003	24.28	10.42	13.86	0.63	11.05	13.70	14.18
LAI-7	7/7/2003	24.28	10.85	13.43	0.52	11.37	13.30	13.69
LAI-7	7/16/2003	24.28	10.43	13.85	1.65	12.08	13.44	14.68
LAI-7	7/31/2003	24.28	11.06	13.22	0.31	11.37	13.14	13.38
LAI-7	8/5/2003	24.28	10.66	13.62	0.90	11.56	13.40	14.07
LAI-7	8/11/2003	24.28	12.45	11.83	0.01	12.46	11.83	11.84
LAI-7	8/22/2003	24.28	12.40	11.88	0.20	12.60	11.83	11.98
LAI-7	8/26/2003	24.28	11.32	12.96	1.43	12.75	12.60	13.68
LAI-7	9/2/2003	24.28	11.61	12.67	0.20	11.81	12.62	12.77
LAI-7	9/9/2003	24.28	11.66	12.62	1.64	13.30	12.21	13.44
LAI-7	9/19/2003	24.28	11.66	12.62	1.35	13.01	12.28	13.30
LAI-7	10/14/2003	24.28	11.59	12.69	1.46	13.05	12.33	13.42
LAI-7	11/20/2003	24.28	--	--	--	8.67	15.61	15.61
LAI-7	12/3/2003	24.28	7.98	16.30	0.23	8.21	16.24	16.42
LAI-7	1/19/2004	24.28	7.59	16.69	0.32	7.91	16.61	16.85
LAI-7	2/24/2004	24.28	--	--	--	8.72	15.56	15.56
LAI-7	3/15/2004	24.28	--	--	--	9.71	14.57	14.57
LAI-7	4/19/2004	24.28	--	--	--	9.65	14.63	14.63
LAI-7	5/17/2004	24.28	--	--	--	10.43	13.85	13.85
LAI-7	6/22/2004	24.28	10.33	13.95	0.01	10.34	13.95	13.96
LAI-7	8/18/2004	24.28	11.28	13.00	0.88	12.16	12.78	13.44
LAI-7	9/21/2004	24.28	10.57	13.71	0.23	10.80	13.65	13.83
LAI-7	10/19/2004	24.28	--	--	--	9.53	14.75	14.75
LAI-7	11/23/2004	24.28	9.85	14.43	0.19	10.04	14.38	14.53
LAI-7	12/21/2004	24.28	8.14	16.14	0.52	8.66	16.01	16.40
LAI-7	1/13/2005	24.28	8.83	15.45	0.19	9.02	15.40	15.55
LAI-7	4/28/2005	24.28	--	--	--	8.44	15.84	15.84
LAI-7	6/1/2005	24.28	--	--	--	8.72	15.56	15.56
LAI-7	6/29/2005	24.28	--	--	--	10.41	13.87	13.87
LAI-7	7/20/2005	24.28	--	--	--	10.93	13.35	13.35
LAI-7	8/22/2005	24.28	--	--	--	10.47	13.81	13.81
LAI-7	5/27/2011	24.28			Not Monitored			
LAIx-7	9/12/2005	25.24	--	--	--	13.81	11.43	11.43
LAIx-7	10/12/2005	25.24	14.46	10.78	0.12	14.58	10.75	10.84
LAIx-7	11/21/2005	25.24	12.00	13.24	2.96	14.96	12.50	14.72
LAIx-7	12/27/2005	25.24	11.08	14.16	2.82	13.90	13.46	15.57
LAIx-7	1/30/2006	25.24	9.69	15.55	3.34	13.03	14.72	17.22
LAIx-7	2/16/2006	25.24	11.52	13.72	3.81	15.33	12.77	15.63
LAIx-7	3/13/2006	25.24	11.09	14.15	4.51	15.60	13.02	16.41
LAIx-7	4/18/2006	25.24	11.98	13.26	1.62	13.60	12.86	14.07
LAIx-7	5/12/2006	25.24	13.22	12.02	0.30	13.52	11.95	12.17
LAIx-7	6/9/2006	25.24	12.94	12.30	0.40	13.34	12.20	12.50
LAIx-7	7/13/2006	25.24	14.14	11.10	0.94	15.08	10.87	11.57
LAIx-7	8/16/2006	25.24	14.95	10.29	0.80	15.75	10.09	10.69
LAIx-7	9/19/2006	25.24	14.55	10.69	0.95	15.50	10.45	11.17
LAIx-7	10/13/2006	25.24	14.60	10.64	1.55	16.15	10.25	11.42
LAIx-7	11/20/2006	25.24	11.89	13.35	0.71	12.60	13.17	13.71
LAIx-7	12/8/2006	25.24	12.13	13.11	0.31	12.44	13.03	13.27
LAIx-7	1/19/2007	25.24	11.75	13.49	1.20	12.95	13.19	14.09
LAIx-7	2/19/2007	25.24	12.52	12.72	0.62	13.14	12.57	13.03
LAIx-7	3/15/2007	25.24	12.14	13.10	0.51	12.65	12.97	13.36
LAIx-7	4/16/2007	25.24	12.58	12.66	0.92	13.50	12.43	13.12
LAIx-7	5/14/2007	25.24	13.25	11.99	0.07	13.32	11.97	12.03
LAIx-7	6/29/2007	25.24	13.68	11.56	0.82	14.50	11.36	11.97
LAIx-7	7/20/2007	25.24	14.20	11.04	0.10	14.30	11.02	11.09
LAIx-7	8/21/2007	25.24	--	--	--	14.20	11.04	11.04
LAIx-7	9/10/2007	25.24	--	--	--	14.47	10.77	10.77
LAIx-7	10/22/2007	25.24	12.72	--	--	15.64	9.60	9.60
LAIx-7	11/28/2007	25.24	12.95	--	--	13.50	11.74	11.74

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

**Groundwater Elevation Data
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-8	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

**Groundwater Elevation Data
Phillips 66 Company
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-9	3/12/2003	23.93	7.82	16.11	3.39	11.21	15.26	17.81
LAI-9	3/14/2003	23.93	8.09	15.84	2.21	10.30	15.29	16.95
LAI-9	3/26/2003	23.93	--	--	--	8.95	14.98	14.98
LAI-9	3/28/2003	23.93	--	--	--	9.04	14.89	14.89
LAI-9	4/2/2003	23.93	8.08	15.85	0.32	8.40	15.77	16.01
LAI-9	4/4/2003	23.93	8.34	15.59	0.48	8.82	15.47	15.83
LAI-9	4/8/2003	23.93	8.10	15.83	0.49	8.59	15.71	16.08
LAI-9	4/11/2003	23.93	8.36	15.57	0.49	8.85	15.45	15.82
LAI-9	4/15/2003	23.93	7.81	16.12	0.21	8.02	16.07	16.23
LAI-9	4/17/2003	23.93	9.11	14.82	0.13	9.24	14.79	14.89
LAI-9	4/22/2003	23.93	8.41	15.52	0.35	8.76	15.43	15.70
LAI-9	4/25/2003	23.93	8.32	15.61	0.80	9.12	15.41	16.01
LAI-9	5/2/2003	23.93	8.99	14.94	0.01	9.00	14.94	14.95
LAI-9	5/6/2003	23.93	8.66	15.27	0.85	9.51	15.06	15.70
LAI-9	5/9/2003	23.93	9.75	14.18	0.02	9.77	14.18	14.19
LAI-9	5/23/2003	23.93	--	--	--	10.10	13.83	13.83
LAI-9	5/28/2003	23.93	10.50	13.43	0.01	10.51	13.43	13.44
LAI-9	6/13/2003	23.93	9.91	14.02	0.37	10.28	13.93	14.21
LAI-9	6/18/2003	23.93	9.81	14.12	0.51	10.32	13.99	14.38
LAI-9	6/27/2003	23.93	9.91	14.02	0.33	10.24	13.94	14.19
LAI-9	7/7/2003	23.93	10.21	13.72	0.83	11.04	13.51	14.14
LAI-9	7/16/2003	23.93	10.03	13.90	0.84	10.87	13.69	14.32
LAI-9	7/31/2003	23.93	10.44	13.49	0.95	11.39	13.25	13.97
LAI-9	8/5/2003	23.93	10.25	13.68	1.19	11.44	13.38	14.28
LAI-9	8/11/2003	23.93	11.89	12.04	0.12	12.01	12.01	12.10
LAI-9	8/22/2003	23.93	11.92	12.01	0.08	12.00	11.99	12.05
LAI-9	8/26/2003	23.93	11.03	12.90	0.64	11.67	12.74	13.22
LAI-9	9/2/2003	23.93	10.96	12.97	1.03	11.99	12.71	13.49
LAI-9	9/9/2003	23.93	11.12	12.81	0.51	11.63	12.68	13.07
LAI-9	9/19/2003	23.93	10.89	13.04	1.58	12.47	12.65	13.83
LAI-9	10/14/2003	23.93	11.75	12.18	1.07	12.82	11.91	12.72
LAI-9	11/20/2003	23.93	--	--	--	8.05	15.88	15.88
LAI-9	12/3/2003	23.93	7.21	16.72	0.01	7.22	16.72	16.73
LAI-9	1/19/2004	23.93	6.83	17.10	0.01	6.84	17.10	17.11
LAI-9	2/24/2004	23.93	--	--	--	8.11	15.82	15.82
LAI-9	3/15/2004	23.93	--	--	--	9.08	14.85	14.85
LAI-9	4/19/2004	23.93	--	--	--	8.85	15.08	15.08
LAI-9	5/17/2004	23.93	--	--	--	9.91	14.02	14.02
LAI-9	8/18/2004	23.93	--	--	--	11.10	12.83	12.83
LAI-9	8/18/2004	23.93	--	--	--	11.10	12.83	12.83
LAI-9	9/21/2004	23.93	10.91	13.02	0.53	11.44	12.89	13.29
LAI-9	10/19/2004	23.93	8.92	9.35	0.43	9.35	14.90	15.23
LAI-9	11/23/2004	23.93	9.03	14.90	0.31	9.34	14.82	15.06
LAI-9	12/21/2004	23.93	7.44	16.49	0.02	7.46	16.49	16.50
LAI-9	1/13/2005	23.93	--	--	--	8.19	15.74	15.74
LAI-9	4/28/2005	23.93	--	--	--	7.73	16.20	16.20
LAI-9	6/1/2005	23.93	--	--	--	8.10	15.83	15.83
LAI-9	6/29/2005	23.93	--	--	--	9.77	14.16	14.16
LAI-9	7/20/2005	23.93	--	--	--	10.10	13.83	13.83
LAI-9	8/22/2005	23.93	--	--	--	9.96	13.97	13.97
LAI-9	5/27/2011	23.93			Not Monitored			
LAIx-9	9/12/2005	25.55	--	--	--	14.13	11.42	11.42
LAIx-9	10/12/2005	25.55	--	--	--	14.79	10.76	10.76
LAIx-9	11/21/2005	25.55	--	--	--	12.98	12.57	12.57
LAIx-9	12/27/2005	25.55	--	--	--	11.42	14.13	14.13
LAIx-9	1/30/2006	25.55	--	--	--	10.27	15.28	15.28
LAIx-9	2/16/2006	25.55	12.35	13.20	0.03	12.38	13.19	13.22
LAIx-9	3/13/2006	25.55	--	--	--	12.78	12.77	12.77
LAIx-9	4/18/2006	25.55	--	--	--	12.34	13.21	13.21
LAIx-9	5/12/2006	25.55	--	--	--	13.33	12.22	12.22
LAIx-9	6/9/2006	25.55	--	--	--	12.86	12.69	12.69
LAIx-9	7/13/2006	25.55	14.48	11.07	0.06	14.57	11.03	11.07
LAIx-9	8/16/2006	25.55	--	--	--	15.30	10.25	10.25
LAIx-9	9/19/2006	25.55	--	--	--	14.98	10.57	10.57
LAIx-9	10/13/2006	25.55	--	--	--	15.01	10.54	10.54

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAIx-9	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
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

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-10	8/22/2003	19.87	--	--	--	8.68	11.19	11.19
LAI-10	8/26/2003	19.87	--	--	--	7.03	12.84	12.84
LAI-10	9/2/2003	19.87	--	--	--	7.15	12.72	12.72
LAI-10	9/9/2003	19.87	7.33	12.54	0.01	7.34	12.54	12.55
LAI-10	9/19/2003	19.87	--	--	--	7.37	12.50	12.50
LAI-10	10/14/2003	19.87	--	--	--	7.75	12.12	12.12
LAI-10	11/20/2003	19.87	--	--	--	4.48	15.39	15.39
LAI-10	12/3/2003	19.87	--	--	--	3.58	16.29	16.29
LAI-10	1/19/2004	19.87	--	--	--	3.29	16.58	16.58
LAI-10	2/24/2004	19.87	--	--	--	4.16	15.71	15.71
LAI-10	3/15/2004	19.87	--	--	--	5.01	14.86	14.86
LAI-10	4/19/2004	19.87	--	--	--	5.30	14.57	14.57
LAI-10	5/17/2004	19.87	--	--	--	5.79	14.08	14.08
LAI-10	6/22/2004	19.87	--	--	--	5.71	14.16	14.16
LAI-10	8/18/2004	19.87	6.71	13.16	0.01	6.72	13.16	13.17
LAI-10	9/21/2004	19.87	--	--	--	6.10	13.77	13.77
LAI-10	10/19/2004	19.87	--	--	--	5.23	14.64	14.64
LAI-10	11/23/2004	19.87	--	--	--	5.45	14.42	14.42
LAI-10	12/21/2004	19.87	--	--	--	3.99	15.88	15.88
LAI-10	1/13/2005	19.87	--	--	--	4.64	15.23	15.23
LAI-10	4/28/2005	19.87	--	--	--	4.23	15.64	15.64
LAI-10	6/1/2005	19.87	4.40	13.52	0.03	4.43	15.46	14.30
LAI-10	6/29/2005	19.87	--	--	--	5.45	14.42	12.47
LAI-10	7/20/2005	19.87	--	--	--	5.75	14.12	12.17
LAI-10	8/22/2005	19.87	6.22	13.65	0.01	6.23	13.65	13.66
LAI-10	9/12/2005	19.87	6.62	13.25	0.01	6.61	13.27	13.28
LAI-10	10/12/2005	19.87	--	--	--	7.11	12.76	12.76
LAI-10	11/21/2005	19.87	5.08	14.79	0.01	5.09	14.79	14.80
LAI-10	12/27/2005	19.87	--	--	--	4.14	15.73	15.73
LAI-10	1/30/2006	19.87	--	--	--	2.45	17.42	17.42
LAI-10	2/16/2006	19.87	--	--	--	3.62	16.25	16.25
LAI-10	3/13/2006	19.87	--	--	--	4.37	15.50	15.50
LAI-10	4/18/2006	19.87	--	--	--	4.51	15.36	15.36
LAI-10	5/12/2006	19.87	--	--	--	4.82	15.05	15.05
LAI-10	6/9/2006	19.87	--	--	--	4.57	15.30	15.30
LAI-10	7/13/2006	19.87	--	--	--	5.41	14.46	14.46
LAI-10	8/16/2006	19.87	--	--	--	6.15	13.72	13.72
LAI-10	9/19/2006	19.87	--	--	--	5.80	14.07	14.07
LAI-10	10/13/2006	19.87	--	--	--	6.60	13.27	13.27
LAI-10	11/20/2006	19.87	--	--	--	3.16	16.71	16.71
LAI-10	12/8/2006	19.87	--	--	--	3.29	16.58	16.58
LAI-10	1/19/2007	19.87	--	--	--	3.39	16.48	16.48
LAI-10	2/19/2007	19.87	--	--	--	4.37	15.50	15.50
LAI-10	3/15/2007	19.87	--	--	--	3.90	15.97	15.97
LAI-10	4/16/2007	19.87	--	--	--	4.20	15.67	15.67
LAI-10	5/14/2007	19.87	--	--	--	5.07	14.80	14.80
LAI-10	6/29/2007	19.87	--	--	--	6.06	13.81	13.81
LAI-10	7/20/2007	19.87	--	--	--	6.32	13.55	13.55
LAI-10	8/21/2007	19.87	--	--	--	7.81	12.06	12.06
LAI-10	9/10/2007	19.87	--	--	--	6.92	12.95	12.95
LAI-10	10/22/2007	19.87	--	--	--	5.99	13.88	13.88
LAI-10	11/28/2007	19.87	--	--	--	4.95	14.92	14.92
LAI-10	12/13/2007	19.87	--	--	--	4.32	15.55	15.55
LAI-10	1/21/2008	19.87	--	--	--	4.49	15.38	15.38
LAI-10	2/24/2008	19.87	--	--	--	4.89	14.98	14.98
LAI-10	3/24/2008	19.87	--	--	--	4.96	14.91	14.91
LAI-10	8/25/2008	19.87	--	--	--	5.63	14.24	14.24
LAI-10	2/18/2009	19.87	--	--	--	5.10	14.77	14.77
LAI-10	8/25/2009	19.87	--	--	--	7.22	12.65	12.65
LAI-10	3/22/2010	19.87	--	--	--	4.90	14.97	14.97
LAI-10	8/23/2010	19.87	--	--	--	6.34	13.53	13.53
LAI-10	2/7/2011	19.87	--	--	--	4.21	15.66	--
LAI-10	5/27/2011	19.87	--	--	--	4.78	15.09	--
LAI-10	8/8/2011	19.87	--	--	--	8.15	11.72	--
LAI-10	11/14/2011	19.87	--	--	--	5.73	14.14	--
LAI-10	2/20/2012	19.87	--	--	--	4.25	15.62	--

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-10	8/22/2012	19.87	--	--	--	6.09	13.78	--
LAI-10	11/5/2012	19.87	--	--	--	5.43	14.44	--
LAI-10	1/28/2013	19.87	--	--	--	3.89	15.98	--
LAI-10	5/9/2013	19.87	--	--	--	4.54	15.33	--
LAI-10	8/19/2013	19.87	--	--	--	6.69	13.18	--
LAI-10	11/25/2013	19.87	--	--	--	4.91	14.96	--
LAI-10	2/14/2014	19.87	--	--	--	3.48	16.39	--
LAI-10	5/5/2014	19.87	--	--	--	3.37	16.50	--
LAI-10	8/19/2014	19.87	--	--	--	6.47	13.40	--
LAI-10	11/21/2014	19.87	--	--	--	3.75	16.12	--
LAI-11	1/31/2003	20.61	--	--	--	4.55	16.06	--
LAI-11	2/12/2003	20.61	--	--	--	4.92	15.69	16.06
LAI-11	2/18/2003	20.61	--	--	--	5.41	15.20	15.69
LAI-11	2/21/2003	20.61	--	--	--	5.51	15.10	15.20
LAI-11	2/24/2003	20.61	--	--	--	5.48	15.13	15.13
LAI-11	3/3/2003	20.61	--	--	--	5.38	15.23	15.23
LAI-11	3/12/2003	20.61	--	--	--	5.32	15.29	15.29
LAI-11	3/14/2003	20.61	--	--	--	5.19	15.42	15.42
LAI-11	3/26/2003	20.61	--	--	--	4.81	15.80	15.80
LAI-11	3/28/2003	20.61	--	--	--	4.89	15.72	15.72
LAI-11	4/2/2003	20.61	--	--	--	5.28	15.33	15.33
LAI-11	4/4/2003	20.61	--	--	--	5.33	15.28	15.28
LAI-11	4/8/2003	20.61	--	--	--	5.41	15.20	15.20
LAI-11	4/11/2003	20.61	--	--	--	5.42	15.19	15.19
LAI-11	4/15/2003	20.61	--	--	--	5.08	15.53	15.53
LAI-11	4/17/2003	20.61	--	--	--	5.46	15.15	15.15
LAI-11	4/22/2003	20.61	--	--	--	5.47	15.14	15.14
LAI-11	4/25/2003	20.61	--	--	--	5.67	14.94	14.94
LAI-11	5/2/2003	20.61	--	--	--	5.12	15.49	15.49
LAI-11	5/6/2003	20.61	--	--	--	5.81	14.80	14.80
LAI-11	5/9/2003	20.61	--	--	--	6.00	14.61	14.61
LAI-11	5/16/2003	20.61	--	--	--	6.30	14.31	14.31
LAI-11	5/23/2003	20.61	--	--	--	6.58	14.03	14.03
LAI-11	5/28/2003	20.61	--	--	--	6.44	14.17	14.17
LAI-11	6/13/2003	20.61	--	--	--	6.70	13.91	13.91
LAI-11	6/18/2003	20.61	--	--	--	6.80	13.81	13.81
LAI-11	6/27/2003	20.61	--	--	--	6.81	13.80	13.80
LAI-11	7/7/2003	20.61	--	--	--	7.51	13.10	13.10
LAI-11	7/16/2003	20.61	--	--	--	6.42	14.19	14.19
LAI-11	7/31/2003	20.61	--	--	--	8.91	11.70	11.70
LAI-11	8/5/2003	20.61	--	--	--	8.51	12.10	12.10
LAI-11	8/11/2003	20.61	--	--	--	8.79	11.82	11.82
LAI-11	8/22/2003	20.61	--	--	--	8.43	12.18	12.18
LAI-11	8/26/2003	20.61	--	--	--	8.92	11.69	11.69
LAI-11	9/2/2003	20.61	--	--	--	8.95	11.66	11.66
LAI-11	9/9/2003	20.61	--	--	--	9.24	11.37	11.37
LAI-11	9/19/2003	20.61	--	--	--	8.99	11.62	11.62
LAI-11	10/14/2003	20.61	--	--	--	9.15	11.46	11.46
LAI-11	11/20/2003	20.61	--	--	--	5.31	15.30	15.30
LAI-11	12/3/2003	20.61	--	--	--	4.50	16.11	16.11
LAI-11	1/19/2004	20.61	--	--	--	4.33	16.28	16.28
LAI-11	2/24/2004	20.61	--	--	--	5.19	15.42	15.42
LAI-11	3/15/2004	20.61	--	--	--	5.94	14.67	14.67
LAI-11	4/19/2004	20.61	--	--	--	6.23	14.38	14.38
LAI-11	5/17/2004	20.61	--	--	--	6.80	13.81	13.81
LAI-11	6/22/2004	20.61	--	--	--	6.70	13.91	13.91
LAI-11	8/18/2004	20.61	--	--	--	8.19	12.42	12.42
LAI-11	9/21/2004	20.61	--	--	--	7.03	13.58	13.58
LAI-11	10/19/2004	20.61	--	--	--	6.10	14.51	14.51
LAI-11	11/23/2004	20.61	--	--	--	6.35	14.26	14.26
LAI-11	12/21/2004	20.61	--	--	--	4.81	15.80	15.80
LAI-11	1/13/2005	20.61	--	--	--	5.40	15.21	15.21
LAI-11	4/28/2005	20.61	--	--	--	5.13	15.48	15.48
LAI-11	6/1/2005	20.61	--	--	--	5.32	15.29	15.29
LAI-11	6/29/2005	20.61	--	--	--	6.28	14.33	14.33

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-11	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

**Groundwater Elevation Data
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LAI-12	4/8/2003	19.34	--	--	--	4.58	14.76	14.76
LAI-12	4/11/2003	19.34	--	--	--	4.65	14.69	14.69
LAI-12	4/15/2003	19.34	--	--	--	4.25	15.09	15.09
LAI-12	4/17/2003	19.34	--	--	--	4.69	14.65	14.65
LAI-12	4/22/2003	19.34	--	--	--	4.69	14.65	14.65
LAI-12	4/25/2003	19.34	--	--	--	4.81	14.53	14.53
LAI-12	5/2/2003	19.34	--	--	--	4.98	14.36	14.36
LAI-12	5/6/2003	19.34	--	--	--	5.22	14.12	14.12
LAI-12	5/9/2003	19.34	--	--	--	5.46	13.88	13.88
LAI-12	5/16/2003	19.34	--	--	--	5.74	13.60	13.60
LAI-12	5/23/2003	19.34	--	--	--	5.27	14.07	14.07
LAI-12	5/28/2003	19.34	--	--	--	5.88	13.46	13.46
LAI-12	6/13/2003	19.34	--	--	--	5.45	13.89	13.89
LAI-12	6/18/2003	19.34	--	--	--	6.18	13.16	13.16
LAI-12	6/27/2003	19.34	--	--	--	6.22	13.12	13.12
LAI-12	7/7/2003	19.34	--	--	--	6.95	12.39	12.39
LAI-12	7/16/2003	19.34	--	--	--	5.84	13.50	13.50
LAI-12	7/31/2003	19.34	--	--	--	6.97	12.37	12.37
LAI-12	8/5/2003	19.34	--	--	--	7.05	12.29	12.29
LAI-12	8/11/2003	19.34	--	--	--	6.80	12.54	12.54
LAI-12	8/22/2003	19.34	--	--	--	8.19	11.15	11.15
LAI-12	8/26/2003	19.34	--	--	--	7.33	12.01	12.01
LAI-12	9/2/2003	19.34	--	--	--	7.45	11.89	11.89
LAI-12	9/9/2003	19.34	--	--	--	7.64	11.70	11.70
LAI-12	9/19/2003	19.34	--	--	--	7.93	11.41	11.41
LAI-12	10/14/2003	19.34	--	--	--	7.48	11.86	11.86
LAI-12	11/20/2003	19.34	--	--	--	4.06	15.28	15.28
LAI-12	12/3/2003	19.34	--	--	--	3.37	15.97	15.97
LAI-12	1/19/2004	19.34	--	--	--	3.81	15.53	15.53
LAI-12	2/24/2004	19.34	--	--	--	4.32	15.02	15.02
LAI-12	3/15/2004	19.34	--	--	--	5.13	14.21	14.21
LAI-12	4/19/2004	19.34	--	--	--	5.61	13.73	13.73
LAI-12	5/17/2004	19.34	--	--	--	6.23	13.11	13.11
LAI-12	6/22/2004	19.34	--	--	--	6.14	13.20	13.20
LAI-12	8/18/2004	19.34	--	--	--	7.15	12.19	12.19
LAI-12	9/21/2004	19.34	--	--	--	6.18	13.16	13.16
LAI-12	10/19/2004	19.34	--	--	--	5.39	13.95	13.95
LAI-12	11/23/2004	19.34	--	--	--	5.68	13.66	13.66
LAI-12	12/21/2004	19.34	--	--	--	3.86	15.48	15.48
LAI-12	1/13/2005	19.34	--	--	--	4.95	14.39	14.39
LAI-12	4/28/2005	19.34	--	--	--	4.41	14.93	14.93
LAI-12	6/1/2005	19.34	--	--	--	4.61	14.73	14.73
LAI-12	6/29/2005	19.34	--	--	--	5.77	13.57	13.57
LAI-12	7/20/2005	19.34	9.15	10.19	0.01	9.16	10.19	10.20
LAI-12	8/22/2005	19.34	6.48	12.86	0.01	6.49	12.86	12.87
LAI-12	9/12/2005	19.34	--	--	--	6.90	12.44	12.44
LAI-12	10/12/2005	19.34	7.40	11.94	0.01	7.41	11.94	11.95
LAI-12	11/21/2005	19.34	--	--	--	4.48	14.86	14.86
LAI-12	12/27/2005	19.34	--	--	--	3.95	15.39	15.39
LAI-12	1/30/2006	19.34	--	--	--	2.33	17.01	17.01
LAI-12	2/16/2006	19.34	--	--	--	3.33	16.01	16.01
LAI-12	3/13/2006	19.34	--	--	--	4.34	15.00	15.00
LAI-12	4/18/2006	19.34	--	--	--	4.69	14.65	14.65
LAI-12	5/12/2006	19.34	--	--	--	4.99	14.35	14.35
LAI-12	6/9/2006	19.34	--	--	--	4.61	14.73	14.73
LAI-12	7/13/2006	19.34	--	--	--	5.68	13.66	13.66
LAI-12	8/16/2006	19.34	--	--	--	6.41	12.93	12.93
LAI-12	9/19/2006	19.34	--	--	--	6.98	12.36	12.36
LAI-12	10/13/2006	19.34	--	--	--	6.78	12.56	12.56
LAI-12	11/20/2006	19.34	--	--	--	3.18	16.16	16.16
LAI-12	12/8/2006	19.34	--	--	--	2.89	16.45	16.45
LAI-12	1/19/2007	19.34	--	--	--	2.85	16.49	16.49
LAI-12	2/19/2007	19.34	--	--	--	4.55	14.79	14.79
LAI-12	3/15/2007	19.34	--	--	--	3.73	15.61	15.61
LAI-12	4/16/2007	19.34	--	--	--	4.19	15.15	15.15
LAI-12	5/14/2007	19.34	--	--	--	5.37	13.97	13.97

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-12	6/29/2007	19.34	--	--	--	6.30	13.04	13.04
LAI-12	7/20/2007	19.34	--	--	--	6.56	12.78	12.78
LAI-12	8/21/2007	19.34	--	--	--	7.19	12.15	12.15
LAI-12	9/10/2007	19.34	--	--	--	7.21	12.13	12.13
LAI-12	10/22/2007	19.34	--	--	--	6.09	13.25	13.25
LAI-12	11/28/2007	19.34	--	--	--	5.34	14.00	14.00
LAI-12	12/13/2007	19.34	--	--	--	3.97	15.37	15.37
LAI-12	1/21/2008	19.34	--	--	--	5.24	14.10	14.10
LAI-12	2/24/2008	19.34	--	--	--	5.08	14.26	14.26
LAI-12	3/24/2008	19.34	--	--	--	6.25	13.09	13.09
LAI-12	8/25/2008	19.34	--	--	--	6.82	12.52	12.52
LAI-12	2/18/2009	19.34	--	--	--	5.32	14.02	14.02
LAI-12	8/25/2009	19.34	--	--	--	7.44	11.90	11.90
LAI-12	3/22/2010	19.34	--	--	--	4.70	14.64	15.64
LAI-12	8/23/2010	19.34	--	--	--	6.62	12.72	12.72
LAI-12	2/7/2011	19.34	--	--	--	9.65	9.69	--
LAI-12	5/27/2011	19.34	--	--	--	4.63	14.71	--
LAI-12	8/8/2011	19.34	--	--	--	6.39	12.95	--
LAI-12	11/14/2011	19.34	--	--	--	6.19	13.15	--
LAI-12	2/20/2012	19.34	--	--	--	3.86	15.48	--
LAI-12	8/22/2012	19.34	--	--	--	6.29	13.05	--
LAI-12	11/5/2012	19.34	--	--	--	4.71	14.63	--
LAI-12	1/28/2013	19.34	--	--	--	3.73	15.61	--
LAI-12	5/9/2013	19.34	--	--	--	4.57	14.77	--
LAI-12	8/19/2013	19.34	--	--	--	6.82	12.52	--
LAI-12	11/25/2013	19.34	--	--	--	4.75	14.59	--
LAI-12	2/14/2014	19.34	--	--	--	4.04	15.30	--
LAI-12	5/5/2014	19.34	--	--	--	3.12	16.22	--
LAI-12	8/19/2014	19.34	--	--	--	6.71	12.63	--
LAI-12	11/21/2014	19.34	--	--	--	4.09	15.25	--
LAI-13	1/31/2003	21.53	--	--	--	5.25	16.28	--
LAI-13	2/12/2003	21.53	--	--	--	6.28	15.25	16.28
LAI-13	2/18/2003	21.53	--	--	--	6.15	15.38	15.25
LAI-13	2/21/2003	21.53	--	--	--	6.29	15.24	15.38
LAI-13	2/24/2003	21.53	--	--	--	6.65	14.88	14.88
LAI-13	3/3/2003	21.53	--	--	--	6.88	14.65	14.65
LAI-13	3/12/2003	21.53	--	--	--	6.87	14.66	14.66
LAI-13	3/14/2003	21.53	--	--	--	6.62	14.91	14.91
LAI-13	3/26/2003	21.53	6.16	15.37	0.00	6.16	15.37	15.37
LAI-13	3/28/2003	21.53	--	--	--	6.21	15.32	15.32
LAI-13	4/2/2003	21.53	--	--	--	6.25	15.28	15.28
LAI-13	4/4/2003	21.53	--	--	--	6.25	15.28	15.28
LAI-13	4/8/2003	21.53	--	--	--	6.69	14.84	14.84
LAI-13	4/11/2003	21.53	--	--	--	6.69	14.84	14.84
LAI-13	4/15/2003	21.53	--	--	--	6.61	14.92	14.92
LAI-13	4/17/2003	21.53	--	--	--	6.66	14.87	14.87
LAI-13	4/22/2003	21.53	--	--	--	6.87	14.66	14.66
LAI-13	4/25/2003	21.53	--	--	--	6.92	14.61	14.61
LAI-13	5/2/2003	21.53	--	--	--	6.71	14.82	14.82
LAI-13	5/6/2003	21.53	--	--	--	7.25	14.28	14.28
LAI-13	5/9/2003	21.53	--	--	--	7.36	14.17	14.17
LAI-13	5/16/2003	21.53	--	--	--	7.63	13.90	13.90
LAI-13	5/23/2003	21.53	--	--	--	7.78	13.75	13.75
LAI-13	5/28/2003	21.53	--	--	--	7.80	13.73	13.73
LAI-13	6/13/2003	21.53	--	--	--	8.01	13.52	13.52
LAI-13	6/18/2003	21.53	--	--	--	8.02	13.51	13.51
LAI-13	6/27/2003	21.53	--	--	--	8.06	13.47	13.47
LAI-13	7/7/2003	21.53	--	--	--	8.45	13.08	13.08
LAI-13	7/16/2003	21.53	--	--	--	7.71	13.82	13.82
LAI-13	7/31/2003	21.53	--	--	--	8.51	13.02	13.02
LAI-13	8/5/2003	21.53	--	--	--	8.54	12.99	12.99
LAI-13	8/11/2003	21.53	--	--	--	8.62	12.91	12.91
LAI-13	8/22/2003	21.53	--	--	--	9.81	11.72	11.72
LAI-13	8/26/2003	21.53	--	--	--	8.81	12.72	12.72
LAI-13	9/2/2003	21.53	--	--	--	8.88	12.65	12.65

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-13	9/9/2003	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	--

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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	--
LAI-13	9/16/2021	21.53	--	--	--	8.36	13.17	--
LAI-14	1/31/2003	21.69	--	--	--	6.12	15.57	--
LAI-14	2/12/2003	21.69	--	--	--	7.11	14.58	15.57
LAI-14	2/18/2003	21.69	--	--	--	7.17	14.52	14.58
LAI-14	2/21/2003	21.69	--	--	--	7.25	14.44	14.52
LAI-14	2/24/2003	21.69	--	--	--	7.25	14.44	14.44
LAI-14	3/3/2003	21.69	--	--	--	7.50	14.19	14.19
LAI-14	3/12/2003	21.69	--	--	--	7.40	14.29	14.29
LAI-14	3/14/2003	21.69	--	--	--	7.23	14.46	14.46
LAI-14	3/26/2003	21.69	--	--	--	7.04	14.65	14.65
LAI-14	3/28/2003	21.69	--	--	--	7.07	14.62	14.62
LAI-14	4/2/2003	21.69	--	--	--	7.00	14.69	14.69
LAI-14	4/4/2003	21.69	--	--	--	7.24	14.45	14.45
LAI-14	4/8/2003	21.69	--	--	--	7.41	14.28	14.28
LAI-14	4/11/2003	21.69	--	--	--	7.36	14.33	14.33
LAI-14	4/15/2003	21.69	--	--	--	7.34	14.35	14.35
LAI-14	4/17/2003	21.69	--	--	--	7.39	14.30	14.30
LAI-14	4/22/2003	21.69	--	--	--	7.53	14.16	14.16
LAI-14	4/25/2003	21.69	--	--	--	7.62	14.07	14.07
LAI-14	5/2/2003	21.69	--	--	--	7.20	14.49	14.49
LAI-14	5/6/2003	21.69	--	--	--	7.82	13.87	13.87
LAI-14	5/9/2003	21.69	--	--	--	7.86	13.83	13.83
LAI-14	5/16/2003	21.69	--	--	--	8.00	13.69	13.69
LAI-14	5/23/2003	21.69	--	--	--	8.03	13.66	13.66
LAI-14	5/28/2003	21.69	--	--	--	8.14	13.55	13.55
LAI-14	6/13/2003	21.69	--	--	--	8.30	13.39	13.39
LAI-14	6/18/2003	21.69	--	--	--	8.33	13.36	13.36
LAI-14	6/27/2003	21.69	--	--	--	8.35	13.34	13.34
LAI-14	7/7/2003	21.69	--	--	--	8.65	13.04	13.04
LAI-14	7/16/2003	21.69	--	--	--	7.83	13.86	13.86
LAI-14	7/31/2003	21.69	--	--	--	8.41	13.28	13.28
LAI-14	8/5/2003	21.69	--	--	--	8.73	12.96	12.96
LAI-14	8/11/2003	21.69	--	--	--	8.80	12.89	12.89
LAI-14	8/22/2003	21.69	--	--	--	9.89	11.80	11.80
LAI-14	8/26/2003	21.69	--	--	--	9.04	12.65	12.65
LAI-14	9/2/2003	21.69	--	--	--	9.07	12.62	12.62
LAI-14	9/9/2003	21.69	--	--	--	9.14	12.55	12.55
LAI-14	9/19/2003	21.69	--	--	--	9.14	12.55	12.55
LAI-14	10/14/2003	21.69	--	--	--	9.30	12.39	12.39
LAI-14	11/20/2003	21.69	--	--	--	6.59	15.10	15.10
LAI-14	12/3/2003	21.69	--	--	--	6.53	15.16	15.16
LAI-14	1/19/2004	21.69	--	--	--	6.45	15.24	15.24
LAI-14	2/24/2004	21.69	--	--	--	7.03	14.66	14.66
LAI-14	3/15/2004	21.69	--	--	--	7.52	14.17	14.17
LAI-14	4/19/2004	21.69	--	--	--	8.03	13.66	13.66
LAI-14	5/17/2004	21.69	--	--	--	8.32	13.37	13.37
LAI-14	6/22/2004	21.69	--	--	--	8.26	13.43	13.43
LAI-14	8/18/2004	21.69	--	--	--	8.86	12.83	12.83
LAI-14	9/21/2004	21.69	--	--	--	8.00	13.69	13.69
LAI-14	10/19/2004	21.69	--	--	--	8.00	13.69	13.69
LAI-14	11/23/2004	21.69	--	--	--	8.00	13.69	13.69
LAI-14	12/21/2004	21.69	--	--	--	7.11	14.58	14.58
LAI-14	1/13/2005	21.69	--	--	--	7.68	14.01	14.01
LAI-14	4/28/2005	21.69	--	--	--	7.47	14.22	14.22
LAI-14	6/1/2005	21.69	--	--	--	7.58	14.11	14.11

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LAI-14	6/29/2005	21.69	--	--	--	8.02	13.67	13.67
LAI-14	7/20/2005	21.69	8.23	13.46	0.01	8.24	13.46	13.47
LAI-14	8/22/2005	21.69	--	--	--	8.50	13.19	10.79
LAI-14	9/12/2005	21.69	--	--	--	8.63	13.06	10.66
LAI-14	10/12/2005	21.69	--	--	--	8.86	12.83	12.83
LAI-14	11/21/2005	21.69	--	--	--	7.41	14.28	14.28
LAI-14	12/27/2005	21.69	--	--	--	6.48	15.21	15.21
LAI-14	1/30/2006	21.69	--	--	--	4.68	17.01	17.01
LAI-14	2/16/2006	21.69	6.30	15.39	0.07	6.37	15.37	15.43
LAI-14	3/13/2006	21.69	--	--	--	7.43	14.26	14.26
LAI-14	4/18/2006	21.69	--	--	--	7.56	14.13	14.13
LAI-14	5/12/2006	21.69	--	--	--	7.75	13.94	13.94
LAI-14	6/9/2006	21.69	--	--	--	7.58	14.11	14.11
LAI-14	7/13/2006	21.69	--	--	--	8.10	13.59	13.59
LAI-14	8/16/2006	21.69	--	--	--	8.43	13.26	13.26
LAI-14	9/19/2006	21.69	--	--	--	8.70	12.99	12.99
LAI-14	10/13/2006	21.69	--	--	--	8.56	13.13	13.13
LAI-14	11/20/2006	21.69	--	--	--	5.64	16.05	16.05
LAI-14	12/8/2006	21.69	--	--	--	6.12	15.57	15.57
LAI-14	1/19/2007	21.69	--	--	--	6.12	15.57	15.57
LAI-14	2/19/2007	21.69	--	--	--	7.45	14.24	14.24
LAI-14	3/15/2007	21.69	--	--	--	6.95	14.74	14.74
LAI-14	4/16/2007	21.69	--	--	--	7.38	14.31	14.31
LAI-14	5/14/2007	21.69	--	--	--	7.84	13.85	13.85
LAI-14	6/29/2007	21.69	--	--	--	8.27	13.42	13.42
LAI-14	7/20/2007	21.69	--	--	--	8.31	13.38	13.38
LAI-14	8/21/2007	21.69	--	--	--	8.48	13.21	13.21
LAI-14	9/10/2007	21.69	--	--	--	8.59	13.10	13.10
LAI-14	10/22/2007	21.69	--	--	--	7.82	13.87	13.87
LAI-14	11/28/2007	21.69	--	--	--	5.50	16.19	16.19
LAI-14	12/13/2007	21.69	--	--	--	6.45	15.24	15.24
LAI-14	1/21/2008	21.69	--	--	--	6.77	14.92	14.92
LAI-14	2/24/2008	21.69	--	--	--	7.37	14.32	14.32
LAI-14	3/24/2008	21.69	--	--	--	7.59	14.10	14.10
LAI-14	8/25/2008	21.69	--	--	--	8.36	13.33	13.33
LAI-14	2/18/2009	21.69	--	--	--	7.60	14.09	14.09
LAI-14	8/25/2009	21.69	--	--	--	8.78	12.91	12.91
LAI-14	3/22/2010	21.69	--	--	--	7.17	14.52	14.52
LAI-14	8/23/2010	21.69	--	--	--	8.13	13.56	13.56
LAI-14	2/7/2011	21.69	--	--	--	6.71	14.98	--
LAI-14	5/27/2011	21.69	--	--	--	6.98	14.71	--
LAI-14	8/8/2011	21.69	--	--	--	8.06	13.63	--
LAI-14	11/14/2011	21.69	--	--	--	7.91	13.78	--
LAI-14	2/20/2012	21.69	--	--	--	6.39	15.30	--
LAI-14	8/22/2012	21.69	--	--	--	8.15	13.54	--
LAI-14	11/5/2012	21.69	--	--	--	6.60	15.09	--
LAI-14	1/28/2013	21.69	--	--	--	6.91	14.78	--
LAI-14	5/9/2013	21.69	--	--	--	7.02	14.67	--
LAI-14	8/19/2013	21.69	--	--	--	8.51	13.18	--
LAI-14	11/25/2013	21.69	--	--	--	7.07	14.62	--
LAI-14	2/14/2014	21.69	--	--	--	6.79	14.90	--
LAI-14	5/5/2014	21.69	--	--	--	5.94	15.75	--
LAI-14	11/21/2014	21.69	--	--	--	6.88	14.81	--
LAI-14	9/23/2019	21.69	--	--	--	7.21	14.48	--
LAI-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-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

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-15	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

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
LAI-15	2/19/2007	20.03	--	--	--	5.10	14.93	14.93
LAI-15	3/15/2007	20.03	--	--	--	4.32	15.71	15.71
LAI-15	4/16/2007	20.03	--	--	--	4.76	15.27	15.27
LAI-15	5/14/2007	20.03	--	--	--	5.88	14.15	14.15
LAI-15	6/29/2007	20.03	--	--	--	6.44	13.59	13.59
LAI-15	7/20/2007	20.03	--	--	--	6.55	13.48	13.48
LAI-15	8/21/2007	20.03	--	--	--	6.74	13.29	13.29
LAI-15	9/10/2007	20.03	--	--	--	6.84	13.19	13.19
LAI-15	10/22/2007	20.03	--	--	--	6.03	14.00	14.00
LAI-15	11/28/2007	20.03	--	--	--	5.34	14.69	14.69
LAI-15	12/13/2007	20.03	--	--	--	3.50	16.53	16.53
LAI-15	1/21/2008	20.03	--	--	--	4.12	15.91	15.91
LAI-15	2/24/2008	20.03	--	--	--	5.14	14.89	14.89
LAI-15	3/24/2008	20.03	--	--	--	5.52	14.51	14.51
LAI-15	8/25/2008	20.03	--	--	--	6.62	13.41	13.41
LAI-15	2/18/2009	20.03	--	--	--	5.50	14.53	14.53
LAI-15	8/25/2009	20.03	--	--	--	6.94	13.09	13.09
LAI-15	3/22/2010	20.03	--	--	--	4.71	15.32	15.32
LAI-15	8/23/2010	20.03	--	--	--	6.36	13.67	13.67
LAI-15	2/7/2011	20.03	--	--	--	4.20	15.83	--
LAI-15	5/27/2011	20.03	--	--	Not Monitored	--	--	--
LAI-15	8/8/2011	20.03	--	--	--	6.30	13.73	--
LAI-15	11/14/2011	20.03	--	--	--	6.05	13.98	--
LAI-15	2/20/2012	20.03	--	--	--	3.88	16.15	--
LAI-15	8/22/2012	20.03	--	--	--	6.40	13.63	--
LAI-15	11/5/2012	20.03	--	--	--	4.71	15.32	--
LAI-15	1/28/2013	20.03	--	--	--	4.41	15.62	--
LAI-15	5/9/2013	20.03	--	--	--	4.79	15.24	--
LAI-15	8/19/2013	20.03	--	--	--	6.69	13.34	--
LAI-15	11/25/2013	20.03	--	--	--	4.86	15.17	--
LAI-15	2/14/2014	20.03	--	--	--	4.59	15.44	--
LAI-15	5/5/2014	20.03	--	--	--	3.56	16.47	--
LAI-15	8/19/2014	20.03	--	--	--	6.50	13.53	--
LAI-15	11/21/2014	20.03	--	--	--	4.43	15.60	--
LAI-16	1/31/2003	20.59	--	--	--	6.28	14.31	--
LAI-16	2/12/2003	20.59	--	--	--	6.65	13.94	14.31
LAI-16	2/18/2003	20.59	--	--	--	6.70	13.89	13.94
LAI-16	2/21/2003	20.59	--	--	--	6.73	13.86	13.89
LAI-16	2/24/2003	20.59	--	--	--	6.74	13.85	13.85
LAI-16	3/3/2003	20.59	--	--	--	6.86	13.73	13.73
LAI-16	3/12/2003	20.59	--	--	--	6.52	14.07	14.07
LAI-16	3/14/2003	20.59	--	--	--	6.39	14.20	14.20
LAI-16	3/26/2003	20.59	--	--	--	6.48	14.11	14.11
LAI-16	3/28/2003	20.59	--	--	--	7.46	13.13	13.13
LAI-16	4/2/2003	20.59	--	--	--	6.63	13.96	13.96
LAI-16	4/4/2003	20.59	--	--	--	6.71	13.88	13.88
LAI-16	4/8/2003	20.59	--	--	--	6.90	13.69	13.69
LAI-16	4/11/2003	20.59	--	--	--	6.75	13.84	13.84
LAI-16	4/15/2003	20.59	--	--	--	6.68	13.91	13.91
LAI-16	4/17/2003	20.59	--	--	--	6.73	13.86	13.86
LAI-16	4/22/2003	20.59	--	--	--	6.87	13.72	13.72
LAI-16	4/25/2003	20.59	--	--	--	6.99	13.60	13.60
LAI-16	5/2/2003	20.59	--	--	--	6.78	13.81	13.81
LAI-16	5/6/2003	20.59	--	--	--	7.26	13.33	13.33
LAI-16	5/9/2003	20.59	--	--	--	7.35	13.24	13.24
LAI-16	5/16/2003	20.59	--	--	--	7.60	12.99	12.99
LAI-16	5/23/2003	20.59	--	--	--	8.08	12.51	12.51
LAI-16	5/28/2003	20.59	--	--	--	7.87	12.72	12.72
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

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LAI-16	8/11/2003	20.59			Dry			Dry
LAI-16	8/22/2003	20.59			Dry			Dry
LAI-16	8/26/2003	20.59			Dry			Dry
LAI-16	9/2/2003	20.59			Dry			Dry
LAI-16	9/9/2003	20.59			Dry			Dry
LAI-16	9/19/2003	20.59			Dry			Dry
LAI-16	10/14/2003	20.59			Dry			Dry
LAI-16	11/20/2003	20.59	--	--	--	6.95	13.64	13.64
LAI-16	12/3/2003	20.59	--	--	--	6.68	13.91	13.91
LAI-16	1/19/2004	20.59	--	--	--	6.49	14.10	14.10
LAI-16	2/24/2004	20.59	--	--	--	6.62	13.97	13.97
LAI-16	3/15/2004	20.59	--	--	--	7.02	13.57	13.57
LAI-16	4/19/2004	20.59	--	--	--	7.64	12.95	12.95
LAI-16	5/17/2004	20.59	--	--	--	8.35	12.24	12.24
LAI-16	6/22/2004	20.59	--	--	--	8.52	12.07	12.07
LAI-16	8/18/2004	20.59			Dry			Dry
LAI-16	9/21/2004	20.59			Dry			Dry
LAI-16	10/19/2004	20.59	--	--	--	9.30	11.29	11.29
LAI-16	11/23/2004	20.59	--	--	--	8.38	12.21	12.21
LAI-16	12/21/2004	20.59	--	--	--	6.87	13.72	13.72
LAI-16	1/13/2005	20.59	--	--	--	7.12	13.47	13.47
LAI-16	4/28/2005	20.59	--	--	--	6.95	13.64	13.64
LAI-16	6/1/2005	20.59	--	--	--	7.35	13.24	13.24
LAI-16	6/29/2005	20.59	--	--	--	7.95	12.64	12.64
LAI-16	7/20/2005	20.59	--	--	--	8.78	11.81	11.81
LAI-16	8/22/2005	20.59			Dry			Dry
LAI-16	9/12/2005	20.59			Dry			Dry
LAI-16	10/12/2005	20.59			Dry			Dry
LAI-16	11/21/2005	20.59	--	--	--	8.48	12.11	10.13
LAI-16	12/27/2005	20.59	--	--	--	6.71	13.88	11.13
LAI-16	1/30/2006	20.59			Dry			Dry
LAI-16	2/16/2006	20.59	--	--	--	6.45	14.14	11.13
LAI-16	3/13/2006	20.59	--	--	--	6.75	13.84	11.13
LAI-16	4/18/2006	20.59	--	--	--	7.18	13.41	13.41
LAI-16	5/12/2006	20.59	--	--	--	7.50	13.09	13.09
LAI-16	6/9/2006	20.59	--	--	--	7.62	12.97	12.97
LAI-16	7/13/2006	20.59	--	--	--	6.10	14.49	14.49
LAI-16	8/16/2006	20.59			Dry			Dry
LAI-16	9/19/2006	20.59			Dry			Dry
LAI-16	10/13/2006	20.59			Dry			Dry
LAI-16	11/20/2006	20.59	--	--	--	6.33	14.26	14.26
LAI-16	12/8/2006	20.59	--	--	--	6.45	14.14	14.14
LAI-16	1/19/2007	20.59	--	--	--	6.11	14.48	14.48
LAI-16	2/19/2007	20.59	--	--	--	6.67	13.92	13.92
LAI-16	3/15/2007	20.59	--	--	--	6.55	14.04	14.04
LAI-16	4/16/2007	20.59	--	--	--	6.89	13.70	13.70
LAI-16	5/14/2007	20.59	--	--	--	7.54	13.05	13.05
LAI-16	6/29/2007	20.59			Dry			Dry
LAI-16	7/20/2007	20.59			Dry			Dry
LAI-16	8/21/2007	20.59			Dry			Dry
LAI-16	9/10/2007	20.59			Dry			Dry
LAI-16	10/22/2007	20.59			Dry			Dry
LAI-16	11/28/2007	20.59	--	--	--	8.41	12.18	12.18
LAI-16	12/13/2007	20.59	--	--	--	6.65	13.94	13.94
LAI-16	1/21/2008	20.59	--	--	--	6.43	14.16	14.16
LAI-16	2/24/2008	20.59	--	--	--	6.87	13.72	13.72
LAI-16	3/24/2008	20.59	--	--	--	6.95	13.64	13.64
LAI-16	8/25/2008	20.59	--	--	--	7.12	13.47	13.47
LAI-16	2/18/2009	20.59	--	--	--	7.00	13.59	13.59
LAI-16	8/25/2009	20.59			Dry			Dry
LAI-16	3/22/2010	20.59	--	--	--	6.93	13.66	13.66
LAI-16	8/23/2010	20.59			Dry			0.00
LAI-16	2/7/2011	20.59	--	--	--	6.45	14.14	--
LAI-16	5/27/2011	20.59	--	--	--	6.99	13.60	--
LAI-16	11/14/2011	20.59	--	--	--	9.15	11.44	--
LAI-16	2/20/2012	20.59	--	--	--	6.49	14.10	--

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

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-1	8/11/2003	24.24	11.34	12.90	0.01	11.35	12.90	12.91
RW-1	8/22/2003	24.24	11.34	12.90	0.01	11.35	12.90	12.91
RW-1	8/26/2003	24.24	--	--	--	10.36	13.88	13.88
RW-1	9/2/2003	24.24	--	--	--	10.36	13.88	13.88
RW-1	9/9/2003	24.24	10.33	13.91	0.05	10.38	13.90	13.94
RW-1	9/19/2003	24.24	10.33	13.91	0.03	10.36	13.90	13.93
RW-1	10/14/2003	24.24	--	--	--	10.30	13.94	13.94
RW-1	11/20/2003	24.24	--	--	--	5.52	18.72	18.72
RW-1	12/3/2003	24.24	--	--	--	5.44	18.80	18.80
RW-1	1/19/2004	24.24	--	--	--	5.57	18.67	18.67
RW-1	2/24/2004	24.24	--	--	--	7.45	16.79	16.79
RW-1	3/15/2004	24.24	--	--	--	8.87	15.37	15.37
RW-1	4/19/2004	24.24	--	--	--	9.56	14.68	14.68
RW-1	5/17/2004	24.24	--	--	--	10.14	14.10	14.10
RW-1	6/22/2004	24.24	--	--	--	9.91	14.33	14.33
RW-1	8/18/2004	24.24	10.30	13.94	0.01	10.31	13.94	13.95
RW-1	9/21/2004	24.24	--	--	--	10.05	14.19	14.19
RW-1	10/19/2004	24.24	--	--	--	9.73	14.51	14.51
RW-1	11/23/2004	24.24	--	--	--	9.50	14.74	14.74
RW-1	12/21/2004	24.24	--	--	--	6.86	17.38	17.38
RW-1	1/13/2005	24.24	--	--	--	8.32	15.92	15.92
RW-1	4/28/2005	24.24	--	--	--	7.15	17.09	17.09
RW-1	6/1/2005	24.24	--	--	--	7.60	16.64	16.64
RW-1	6/29/2005	24.24			Not Monitored			NM
RW-1	7/20/2005	24.24			Not Monitored			NM
RW-1	8/22/2005	24.24	--	--	--	10.35	13.89	10.97
RW-1	9/12/2005	24.24	--	--	--	10.36	13.88	13.88
RW-1	10/12/2005	24.24	--	--	--	10.40	13.84	13.84
RW-1	11/21/2005	24.24	--	--	--	9.09	15.15	15.15
RW-1	12/27/2005	24.24	--	--	--	5.72	18.52	18.52
RW-1	1/30/2006	24.24	--	--	--	4.34	19.90	19.90
RW-1	2/16/2006	24.24	--	--	--	5.86	18.38	18.38
RW-1	3/13/2006	24.24	--	--	--	7.51	16.73	16.73
RW-1	4/18/2006	24.24	--	--	--	7.05	17.19	17.19
RW-1	5/12/2006	24.24	--	--	--	8.53	15.71	15.71
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	--

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-1	2/20/2012	24.24	--	--	--	5.53	18.71	--
RW-1	8/22/2012	24.24	--	--	--	10.23	14.01	--
RW-1	11/5/2012	24.24	--	--	--	5.52	18.72	--
RW-1	1/28/2013	24.24	--	--	--	6.16	18.08	--
RW-1	5/9/2013	24.24	--	--	--	8.41	15.83	--
RW-1	8/19/2013	24.24	--	--	--	10.37	13.87	--
RW-1	11/25/2013	24.24	--	--	--	7.47	16.77	--
RW-1	2/14/2014	24.24	--	--	--	4.36	19.88	--
RW-1	5/5/2014	24.24	--	--	--	3.96	20.28	--
RW-1	8/19/2014	24.24	--	--	--	10.43	13.81	--
RW-1	11/21/2014	24.24	--	--	--	5.41	18.83	--
RW-1	9/16/2020	24.60	--	--	--	7.93	16.67	--
RW-2	11/20/2002	24.58	8.05	16.53	1.35	9.40	16.19	--
RW-2	11/21/2002	24.58	8.00	16.58	1.40	9.40	16.23	17.21
RW-2	11/22/2002	24.58	8.00	16.58	1.41	9.41	16.23	17.28
RW-2	11/24/2002	24.58	8.21	16.37	1.49	9.70	16.00	17.29
RW-2	1/2/2003	24.58	6.11	18.47	2.27	8.38	17.90	19.61
RW-2	1/6/2003	24.58	5.40	19.18	2.78	8.18	18.49	20.57
RW-2	1/7/2003	24.58	6.41	18.17	0.54	6.95	18.04	18.44
RW-2	1/8/2003	24.58	7.67	16.91	0.01	7.68	16.91	16.92
RW-2	1/9/2003	24.58	8.72	15.86	0.01	8.73	15.86	15.87
RW-2	1/10/2003	24.58	6.38	18.20	0.54	6.92	18.07	18.47
RW-2	1/13/2003	24.58	8.42	16.16	0.10	8.52	16.14	16.21
RW-2	1/14/2003	24.58	6.17	18.41	1.32	7.49	18.08	19.07
RW-2	1/15/2003	24.58	5.95	18.63	0.85	6.80	18.42	19.06
RW-2	1/16/2003	24.58	6.51	18.07	1.00	7.51	17.82	18.57
RW-2	1/17/2003	24.58	6.40	18.18	1.12	7.52	17.90	18.74
RW-2	1/20/2003	24.58	6.35	18.23	1.59	7.94	17.83	19.03
RW-2	1/22/2003	24.58	5.86	18.72	2.74	8.60	18.04	20.09
RW-2	1/23/2003	24.58	5.92	18.66	3.23	9.15	17.85	20.28
RW-2	1/24/2003	24.58	5.37	19.21	0.62	5.99	19.06	19.52
RW-2	1/27/2003	24.58	4.69	19.89	0.53	5.22	19.76	20.16
RW-2	1/28/2003	24.58	4.83	19.75	3.71	8.54	18.82	21.61
RW-2	1/29/2003	24.58	4.82	19.76	3.66	8.48	18.85	21.59
RW-2	1/30/2003	24.58	4.95	19.63	0.94	5.89	19.40	20.10
RW-2	2/3/2003	24.58	5.29	19.29	3.82	9.11	18.34	21.20
RW-2	2/6/2003	24.19	6.16	18.03	3.48	9.64	17.16	19.77
RW-2	2/11/2003	24.19	6.61	17.58	3.17	9.78	16.79	19.17
RW-2	2/18/2003	24.19	7.46	16.73	2.72	10.18	16.05	18.09
RW-2	2/21/2003	24.19	7.40	16.79	2.76	10.16	16.10	18.17
RW-2	2/26/2003	24.19	7.66	16.53	0.69	8.35	16.36	16.88
RW-2	3/4/2003	24.19	7.15	17.04	1.42	8.57	16.69	17.75
RW-2	3/12/2003	24.19	7.60	16.59	0.02	7.62	16.59	16.60
RW-2	3/14/2003	24.19	7.38	16.81	1.61	8.99	16.41	17.62
RW-2	3/26/2003	24.19	6.85	17.34	0.70	7.55	17.17	17.69
RW-2	3/28/2003	24.19	7.48	16.71	0.87	8.35	16.49	17.15
RW-2	4/2/2003	24.19	7.55	16.64	0.86	8.41	16.43	17.07
RW-2	4/4/2003	24.19	7.95	16.24	0.56	8.51	16.10	16.52
RW-2	4/8/2003	24.19	8.02	16.17	0.03	8.05	16.16	16.19
RW-2	4/11/2003	24.19	8.22	15.97	0.01	8.23	15.97	15.98
RW-2	4/15/2003	24.19	--	--	--	7.68	16.51	16.51
RW-2	4/17/2003	24.19	8.34	15.85	0.06	8.40	15.84	15.88
RW-2	4/22/2003	24.19	8.36	15.83	0.16	8.52	15.79	15.91
RW-2	4/25/2003	24.19	8.30	15.89	0.11	8.41	15.86	15.95
RW-2	5/2/2003	24.19	8.75	15.44	0.31	9.06	15.36	15.60
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

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-2	8/5/2003	24.19	10.28	13.91	0.22	10.50	13.86	14.02
RW-2	8/11/2003	24.19	--	--	--	11.38	12.81	12.81
RW-2	8/22/2003	24.19	--	--	--	11.38	12.81	12.81
RW-2	8/26/2003	24.19	--	--	--	11.26	12.93	12.93
RW-2	9/2/2003	24.19	--	--	--	10.40	13.79	13.79
RW-2	9/9/2003	24.19	10.34	13.85	0.06	10.40	13.84	13.88
RW-2	9/19/2003	24.19	--	--	--	10.70	13.49	13.49
RW-2	10/14/2003	24.19	--	--	--	10.38	13.81	13.81
RW-2	11/20/2003	24.19	--	--	--	7.66	16.53	16.53
RW-2	12/3/2003	24.19	--	--	--	6.65	17.54	17.54
RW-2	1/19/2004	24.19	--	--	--	7.13	17.06	17.06
RW-2	2/24/2004	24.19	--	--	--	7.92	16.27	16.27
RW-2	3/15/2004	24.19	--	--	Not Monitored	--	--	--
RW-2	4/19/2004	24.19	--	NA	--	10.01	14.18	--
RW-2	5/17/2004	24.19	--	--	Not Monitored	--	--	--
RW-2	6/22/2004	24.19	--	NA	--	10.08	14.11	14.11
RW-2	8/18/2004	24.19	--	NA	--	10.44	13.75	13.75
RW-2	9/21/2004	24.19	9.95	14.24	0.18	10.13	14.20	14.33
RW-2	10/19/2004	24.19	9.04	15.15	0.08	9.12	15.13	15.19
RW-2	11/23/2004	24.19	7.82	16.37	0.50	8.32	16.25	16.62
RW-2	12/21/2004	24.19	--	--	--	6.95	17.24	17.24
RW-2	1/13/2005	24.19	--	--	--	8.39	15.80	15.80
RW-2	4/28/2005	24.19	--	--	--	8.20	15.99	15.99
RW-2	6/1/2005	24.19	--	--	--	9.62	14.57	14.57
RW-2	6/29/2005	24.19	--	--	--	10.41	13.78	13.78
RW-2	7/20/2005	24.19	--	--	--	10.90	13.29	13.29
RW-2	8/22/2005	24.19	10.94	13.25	0.04	10.98	13.24	13.27
RW-2	5/27/2011	24.19	--	--	Not Monitored	--	--	--
RWx-2	9/12/2005	26.20	--	--	--	12.55	13.65	13.65
RWx-2	10/12/2005	26.20	13.81	12.39	0.61	14.42	12.24	12.70
RWx-2	11/21/2005	26.20	11.20	15.00	1.13	12.33	14.72	15.57
RWx-2	12/27/2005	26.20	--	--	--	9.50	16.70	16.70
RWx-2	1/30/2006	26.20	--	--	--	6.55	19.65	19.65
RWx-2	2/16/2006	26.20	--	--	--	9.00	17.20	17.20
RWx-2	3/13/2006	26.20	--	--	--	9.85	16.35	16.35
RWx-2	4/18/2006	26.20	--	--	--	10.16	16.04	16.04
RWx-2	5/12/2006	26.20	--	--	--	10.56	15.64	15.64
RWx-2	6/9/2006	26.20	--	--	--	10.13	16.07	16.07
RWx-2	7/13/2006	26.20	--	--	--	12.61	13.59	13.59
RWx-2	8/16/2006	26.20	12.28	13.92	0.62	12.90	13.77	14.23
RWx-2	9/19/2006	26.20	--	--	--	12.95	13.25	13.25
RWx-2	10/13/2006	26.20	12.66	13.54	0.97	13.63	13.30	14.03
RWx-2	11/20/2006	26.20	7.13	19.07	0.37	7.50	18.98	19.26
RWx-2	12/8/2006	26.20	7.83	18.37	0.34	8.17	18.29	18.54
RWx-2	1/19/2007	26.20	7.06	19.14	0.25	7.31	19.08	19.27
RWx-2	2/19/2007	26.20	9.95	16.25	0.30	10.25	16.18	16.40
RWx-2	3/15/2007	26.20	8.50	17.70	0.04	8.54	17.69	17.72
RWx-2	4/16/2007	26.20	--	--	--	9.57	16.63	16.63
RWx-2	5/14/2007	26.20	11.12	15.08	0.00	11.12	15.08	15.08
RWx-2	6/29/2007	26.20	--	--	--	12.04	14.16	14.16
RWx-2	7/20/2007	26.20	--	--	--	12.51	13.69	13.69
RWx-2	8/21/2007	26.20	--	--	--	13.80	12.40	12.40
RWx-2	9/10/2007	26.20	--	--	--	13.84	12.36	12.36
RWx-2	10/22/2007	26.20	--	--	--	12.33	13.87	13.87
RWx-2	11/28/2007	26.20	9.80	16.40	1.00	10.80	16.15	16.90
RWx-2	12/13/2007	26.20	--	--	--	10.56	15.64	15.64
RWx-2	1/21/2008	26.20	10.41	15.79	0.09	10.50	15.77	15.84
RWx-2	2/24/2008	26.20	--	--	--	11.17	15.03	15.03
RWx-2	3/24/2008	26.20	--	--	--	11.10	15.10	15.10
RWx-2	8/25/2008	26.20	12.48	13.72	0.02	12.50	13.72	13.73
RWx-2	2/18/2009	26.20	--	--	--	11.15	15.05	15.05
RWx-2	8/25/2009	26.20	--	--	--	13.81	12.39	12.39
RWx-2	3/22/2010	26.20	--	--	--	9.40	16.80	16.80
RWx-2	8/23/2010	26.20	--	--	--	10.60	15.60	15.60
RWx-2	2/7/2011	26.20	--	--	--	9.21	16.99	--

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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RWx-2	5/27/2011	26.20			Not Monitored			
RWX-2	11/14/2016	26.20	--	--	--	6.32	19.88	--
RWX-2	11/18/2016	26.20	--	--	--	--	--	13.98
RWX-2	2/17/2017	26.20	6.17	20.03	0.01	6.18	20.03	14.36
RWX-2	5/26/2017	26.20	--	--	--	8.29	17.91	14.49
RWX-2	9/26/2017	26.20	--	--	--	13.84	12.36	--
RWX-2	9/28/2017	--	--	--	--	--	--	--
RWX-2	12/14/2017	26.20	--	--	--	5.78	20.42	--
RWX-2	2/26/2018	26.20	--	--	--	6.82	19.38	--
RWX-2	6/11/2018	26.20	--	--	--	10.49	15.71	--
RWX-2	6/27/2018	26.20	--	--	--	11.09	15.11	--
RWX-2	8/29/2018	26.20	--	--	--	14.19	12.01	--
RWX-2	12/17/2018	26.20	--	--	--	5.39	20.81	--
RWX-2	9/16/2020	26.20	--	--	--	13.29	12.91	--
RW-3	11/20/2002	22.03	8.45	13.58	0.80	9.25	13.38	--
RW-3	11/21/2002	22.03	8.27	13.76	1.20	9.47	13.46	--
RW-3	11/22/2002	22.03	8.18	13.85	1.28	9.46	13.53	--
RW-3	11/24/2002	22.03	7.94	14.09	1.68	9.62	13.67	14.93
RW-3	1/2/2003	22.03	6.52	15.51	0.04	6.56	15.50	15.53
RW-3	1/3/2003	22.03	6.38	15.65	0.23	6.61	15.59	15.77
RW-3	1/6/2003	22.03	5.92	16.11	0.03	5.95	16.10	16.13
RW-3	1/7/2003	22.03	5.81	16.22	0.04	5.85	16.21	16.24
RW-3	1/8/2003	22.03	5.74	16.29	0.05	5.79	16.28	16.32
RW-3	1/9/2003	22.03	5.78	16.25	0.05	5.83	16.24	16.28
RW-3	1/10/2003	22.03	5.88	16.15	0.05	5.93	16.14	16.18
RW-3	1/13/2003	22.03	6.02	16.01	0.08	6.10	15.99	16.05
RW-3	1/14/2003	22.03	5.97	16.06	0.09	6.06	16.04	16.11
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

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RW-3	7/7/2003	22.85	10.05	12.80	0.06	10.11	12.79	12.83
RW-3	7/16/2003	22.85	10.02	12.83	0.01	10.03	12.83	12.84
RW-3	7/31/2003	22.85	10.18	12.67	0.11	10.29	12.64	12.73
RW-3	8/5/2003	22.85	--	--	--	Dry	NM	Dry
RW-3	8/11/2003	22.85	11.00	11.85	0.30	11.30	11.78	12.00
RW-3	8/22/2003	22.85	10.98	11.87	0.29	11.27	11.80	12.02
RW-3	8/26/2003	22.85	--	--	--	11.14	11.71	11.71
RW-3	9/2/2003	22.85	--	--	--	10.28	12.57	12.57
RW-3	9/9/2003	22.85	--	--	--	10.29	12.56	12.56
RW-3	9/19/2003	22.85	--	--	--	10.29	12.56	12.56
RW-3	10/14/2003	22.85	--	--	--	10.30	12.55	12.55
RW-3	11/20/2003	22.85	7.16	15.69	1.29	8.45	15.37	16.34
RW-3	12/3/2003	22.85	6.72	16.13	0.05	6.77	16.12	16.16
RW-3	1/19/2004	22.85	--	--	--	6.26	16.59	16.59
RW-3	2/24/2004	22.85	--	--	--	6.72	16.13	16.13
RW-3	3/15/2004	22.85	--	--	--	7.78	15.07	15.07
RW-3	4/19/2004	22.85	--	--	--	8.71	14.14	14.14
RW-3	5/17/2004	22.85	9.73	13.12	0.01	9.74	13.12	13.13
RW-3	6/22/2004	22.85	9.36	13.49	0.02	9.38	13.49	13.50
RW-3	8/18/2004	22.85	--	--	--	10.26	12.59	12.59
RW-3	9/21/2004	22.85	--	--	--	10.00	12.85	12.85
RW-3	10/19/2004	22.85	--	--	--	8.21	14.64	14.64
RW-3	11/23/2004	22.85	--	--	--	9.18	13.67	13.67
RW-3	12/21/2004	22.85	--	--	--	6.71	16.14	16.14
RW-3	1/13/2005	22.85	--	--	--	7.73	15.12	15.12
RW-3	4/28/2005	22.85	--	--	--	6.78	16.07	16.07
RW-3	6/1/2005	22.85	--	--	--	7.10	15.75	15.75
RW-3	6/29/2005	22.85	--	--	--	8.72	14.13	14.13
RW-3	7/20/2005	22.85	--	--	--	9.20	13.65	13.65
RW-3	8/22/2005	22.85	--	--	--	9.50	13.35	13.35
RW-3	9/12/2005	22.85	--	--	--	9.28	13.57	13.57
RW-3	10/12/2005	22.85	--	--	--	9.29	13.56	13.56
RW-3	11/21/2005	22.85	--	--	--	7.25	15.60	15.60
RW-3	12/27/2005	22.85	--	--	--	4.12	18.73	18.73
RW-3	1/30/2006	22.85	--	--	--	2.41	20.44	20.44
RW-3	2/16/2006	22.85	--	--	--	4.69	18.16	18.16
RW-3	3/13/2006	22.85	--	--	--	5.89	16.96	16.96
RW-3	4/18/2006	22.85	--	--	--	6.02	16.83	16.83
RW-3	5/12/2006	22.85	--	--	--	6.74	16.11	16.11
RW-3	6/9/2006	22.85	--	--	--	6.28	16.57	16.57
RW-3	7/13/2006	22.85	--	--	--	7.56	15.29	15.29
RW-3	8/16/2006	22.85	--	--	--	8.75	14.10	14.10
RW-3	9/19/2006	22.85	--	--	--	9.30	13.55	13.55
RW-3	10/13/2006	22.85	--	--	--	9.13	13.72	13.72
RW-3	11/20/2006	22.85	--	--	--	3.63	19.22	19.22
RW-3	12/8/2006	22.85	--	--	--	4.01	18.84	18.84
RW-3	1/19/2007	22.85	--	--	--	3.48	19.37	19.37
RW-3	2/19/2007	22.85	--	--	--	6.21	16.64	16.64
RW-3	3/15/2007	22.85	--	--	--	4.97	17.88	17.88
RW-3	4/16/2007	22.85	--	--	--	5.81	17.04	17.04
RW-3	5/14/2007	22.85	--	--	--	7.30	15.55	15.55
RW-3	6/29/2007	22.85	--	--	--	8.57	14.28	14.28
RW-3	7/20/2007	22.85	--	--	--	9.05	13.80	13.80
RW-3	8/21/2007	22.85	--	--	--	9.30	13.55	13.55
RW-3	9/10/2007	22.85	--	--	--	9.29	13.56	13.56
RW-3	10/22/2007	22.85	--	--	--	8.02	14.83	14.83
RW-3	11/28/2007	22.85	--	--	--	7.51	15.34	15.34
RW-3	12/13/2007	22.85	--	--	--	6.82	16.03	16.03
RW-3	1/21/2008	22.85	--	--	--	6.29	16.56	16.56
RW-3	2/24/2008	22.85	--	--	--	7.00	15.85	15.85
RW-3	3/24/2008	22.85	--	--	--	6.68	16.17	16.17
RW-3	8/25/2008	22.85	--	--	--	8.15	14.70	14.70
RW-3	2/18/2009	22.85	--	--	--	7.24	15.61	15.61
RW-3	8/25/2009	22.85	--	--	--	9.33	13.52	13.52
RW-3	3/22/2010	22.85	--	--	--	6.24	16.61	16.61
RW-3	8/23/2010	22.85	--	--	--	8.85	14.00	14.00

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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

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-4	6/27/2003	23.78	9.40	14.38	1.42	10.82	14.03	15.09
RW-4	7/7/2003	23.78	9.54	14.24	1.27	10.81	13.92	14.88
RW-4	7/16/2003	23.78	9.41	14.37	1.40	10.81	14.02	15.07
RW-4	7/31/2003	23.78	9.95	13.83	0.85	10.80	13.62	14.26
RW-4	8/5/2003	23.78	9.82	13.96	0.98	10.80	13.72	14.45
RW-4	8/11/2003	23.78	10.84	12.94	0.94	11.78	12.71	13.41
RW-4	8/22/2003	23.78	10.87	12.91	0.92	11.79	12.68	13.37
RW-4	8/26/2003	23.78	10.36	13.42	0.44	10.80	13.31	13.64
RW-4	9/2/2003	23.78	10.22	13.56	0.58	10.80	13.42	13.85
RW-4	9/9/2003	23.78	--	--	--	10.80	12.98	12.98
RW-4	9/19/2003	23.78	--	--	--	10.81	12.97	12.97
RW-4	10/14/2003	23.78	--	--	--	10.80	12.98	12.98
RW-4	11/20/2003	23.78	7.96	15.82	1.54	9.50	15.44	16.59
RW-4	12/3/2003	23.78	6.75	17.03	1.03	7.78	16.77	17.55
RW-4	1/19/2004	23.78	6.18	17.60	0.06	6.24	17.59	17.63
RW-4	2/24/2004	23.78	6.97	16.81	0.06	7.03	16.80	16.84
RW-4	3/15/2004	23.78	--	--	--	8.10	15.68	15.68
RW-4	4/19/2004	23.78	--	--	--	8.71	15.07	15.07
RW-4	5/17/2004	23.78	--	--	--	9.73	14.05	14.05
RW-4	6/22/2004	23.78	--	--	--	9.57	14.21	14.21
RW-4	8/18/2004	23.78	10.35	13.43	0.42	10.77	13.33	13.64
RW-4	9/21/2004	23.78	9.53	14.25	0.19	9.72	14.20	14.35
RW-4	10/19/2004	23.78	8.63	15.15	0.39	9.02	15.05	15.35
RW-4	11/23/2004	23.78	8.94	14.84	0.05	8.99	14.83	14.87
RW-4	12/21/2004	23.78	6.68	17.10	0.08	6.76	17.08	17.14
RW-4	1/13/2005	23.78	--	--	--	7.74	16.04	16.04
RW-4	4/28/2005	23.78	--	--	--	6.77	17.01	17.01
RW-4	6/1/2005	23.78	--	--	--	7.02	16.76	16.76
RW-4	6/29/2005	23.78			Not Monitored			NM
RW-4	7/20/2005	23.78			Not Monitored			NM
RW-4	8/22/2005	23.78	--	--	--	9.50	14.28	11.18
RW-4	9/12/2005	23.78	--	--	--	10.31	13.47	13.47
RW-4	10/12/2005	23.78	10.69	13.09	0.13	10.82	13.06	13.16
RW-4	11/21/2005	23.78	--	--	--	8.40	15.38	15.38
RW-4	12/27/2005	23.78	--	--	--	5.14	18.64	18.64
RW-4	1/30/2006	23.78	--	--	--	3.40	20.38	20.38
RW-4	2/16/2006	23.78	--	--	--	5.65	18.13	18.13
RW-4	3/13/2006	23.78	--	--	--	6.81	16.97	16.97
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

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-4	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

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-5	6/13/2003	24.44	9.85	14.59	0.06	9.91	14.58	14.62
RW-5	6/18/2003	24.44	9.81	14.63	0.08	9.89	14.61	14.67
RW-5	6/27/2003	24.44	9.26	15.18	0.22	9.48	15.13	15.29
RW-5	7/7/2003	24.44	10.51	13.93	0.19	10.70	13.88	14.03
RW-5	7/16/2003	24.44	10.29	14.15	0.16	10.45	14.11	14.23
RW-5	7/31/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	8/5/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	8/11/2003	24.44	--	--	--	11.68	12.76	12.76
RW-5	8/22/2003	24.44	11.57	12.87	0.08	11.65	12.85	12.91
RW-5	8/26/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	9/2/2003	24.44	--	--	--	10.67	13.77	13.77
RW-5	9/9/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	9/19/2003	24.44	--	--	--	10.68	13.76	13.76
RW-5	10/14/2003	24.44	--	--	--	10.65	13.79	13.79
RW-5	11/20/2003	24.44	--	--	--	8.20	16.24	16.24
RW-5	12/3/2003	24.44	--	--	--	7.15	17.29	17.29
RW-5	1/19/2004	24.44	--	--	--	6.71	17.73	17.73
RW-5	2/24/2004	24.44	--	--	--	7.68	16.76	16.76
RW-5	3/15/2004	24.44	--	--	--	8.58	15.86	15.86
RW-5	4/19/2004	24.44	--	--	--	9.47	14.97	14.97
RW-5	5/17/2004	24.44	--	--	--	10.28	14.16	14.16
RW-5	6/22/2004	24.44	--	--	--	9.76	14.68	14.68
RW-5	8/18/2004	24.44	10.69	13.75	0.01	10.70	13.75	13.76
RW-5	9/21/2004	24.44	--	--	--	9.35	15.09	15.09
RW-5	10/19/2004	24.44	--	--	--	8.55	15.89	15.89
RW-5	11/23/2004	24.44	--	--	--	8.94	15.50	15.50
RW-5	12/21/2004	24.44	--	--	--	7.48	16.96	16.96
RW-5	1/13/2005	24.44	--	--	--	8.38	16.06	16.06
RW-5	4/28/2005	24.44	--	--	--	7.78	16.66	16.66
RW-5	6/1/2005	24.44	--	--	--	8.08	16.36	16.36
RW-5	6/29/2005	24.44	--	--	--	9.28	15.16	15.16
RW-5	7/20/2005	24.44	--	--	Not Monitored	--	--	NM
RW-5	8/22/2005	24.44	--	--	--	10.45	13.99	13.99
RW-5	5/27/2011	24.44	--	--	Not Monitored	--	--	--
RWx-5	9/12/2005	24.97	--	--	--	13.43	11.54	11.54
RWx-5	10/12/2005	24.97	--	--	--	13.32	11.65	11.65
RWx-5	11/21/2005	24.97	10.88	14.09	0.03	10.91	14.08	14.11
RWx-5	12/27/2005	24.97	8.39	16.58	0.21	8.60	16.53	16.69
RWx-5	1/30/2006	24.97	7.85	17.12	0.01	7.86	17.12	17.13
RWx-5	2/16/2006	24.97	7.77	17.20	0.21	7.98	17.15	17.31
RWx-5	3/13/2006	24.97	7.74	17.23	0.07	7.81	17.21	17.27
RWx-5	4/18/2006	24.97	8.95	16.02	0.23	9.18	15.96	16.14
RWx-5	5/12/2006	24.97	9.33	15.64	0.13	9.46	15.61	15.71
RWx-5	6/9/2006	24.97	8.87	16.10	0.03	8.90	16.09	16.12
RWx-5	7/13/2006	24.97	10.05	14.92	0.25	10.30	14.86	15.05
RWx-5	8/16/2006	24.97	11.10	13.87	0.27	11.37	13.80	14.01
RWx-5	9/19/2006	24.97	--	--	--	11.67	13.30	13.30
RWx-5	10/13/2006	24.97	11.45	13.52	0.15	11.60	13.48	13.60
RWx-5	11/20/2006	24.97	--	--	--	6.86	18.11	18.11
RWx-5	12/8/2006	24.97	--	--	--	7.25	17.72	17.72
RWx-5	1/19/2007	24.97	--	--	--	6.60	18.37	18.37
RWx-5	2/19/2007	24.97	--	--	--	8.90	16.07	16.07
RWx-5	3/15/2007	24.97	--	--	--	7.77	17.20	17.20
RWx-5	4/16/2007	24.97	--	--	--	8.35	16.62	16.62
RWx-5	5/14/2007	24.97	--	--	--	9.77	15.20	15.20
RWx-5	6/29/2007	24.97	--	--	--	10.92	14.05	14.05
RWx-5	7/20/2007	24.97	--	--	--	11.37	13.60	13.60
RWx-5	8/21/2007	24.97	--	--	--	12.05	12.92	12.92
RWx-5	9/10/2007	24.97	12.10	--	--	12.11	12.86	12.86
RWx-5	10/22/2007	24.97	--	--	--	10.52	14.45	14.45
RWx-5	11/28/2007	24.97	--	--	--	9.95	15.02	15.02
RWx-5	12/13/2007	24.97	--	--	--	8.71	16.26	16.26
RWx-5	1/21/2008	24.97	--	--	--	8.75	16.22	16.22
RWx-5	2/24/2008	24.97	--	--	--	12.21	12.76	12.76
RWx-5	3/24/2008	24.97	--	--	--	9.36	15.61	15.61

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RWx-5	8/25/2008	24.97	--	--	--	11.17	13.80	13.80
RWx-5	2/18/2009	24.97	--	--	--	9.92	15.05	15.05
RWx-5	8/25/2009	24.97	--	--	--	12.58	12.39	12.39
RWx-5	3/22/2010	24.97	--	--	--	9.02	15.95	15.95
RWx-5	8/23/2010	24.97	--	--	--	11.57	13.40	13.40
RWx-5	2/7/2011	24.97	--	--	--	8.15	16.82	--
RWx-5	5/27/2011	24.97	--	--	--	9.16	15.81	--
RWx-5	8/8/2011	24.97	--	--	--	11.63	13.34	--
RWx-5	11/14/2011	24.97	--	--	--	10.56	14.41	--
RWx-5	2/20/2012	24.97	--	--	--	8.21	16.76	--
RWx-5	8/22/2012	24.97	--	--	--	11.25	13.72	--
RWx-5	11/5/2012	24.97	--	--	--	8.52	16.45	--
RWx-5	1/28/2013	24.97	--	--	--	8.07	16.90	--
RWx-5	5/9/2013	24.97	--	--	--	10.61	14.36	--
RWx-5	8/19/2013	24.97	--	--	--	12.71	12.26	--
RWx-5	11/25/2013	24.97	--	--	--	9.12	15.85	--
RWx-5	2/14/2014	24.97	--	--	--	6.71	18.26	--
RWx-5	5/5/2014	24.97	--	--	--	6.28	18.69	--
RWx-5	8/19/2014	24.97	--	--	--	11.97	13.00	--
RWx-5	11/21/2014	24.97	--	--	--	9.00	15.97	--
RW-6	11/20/2002	23.43	8.05	15.38	2.05	10.10	14.87	--
RW-6	11/21/2002	23.43	8.40	15.03	0.15	8.55	14.99	16.41
RW-6	11/22/2002	23.43	8.45	14.98	0.24	8.69	14.92	15.11
RW-6	11/24/2002	23.43	8.65	14.78	0.33	8.98	14.70	15.10
RW-6	1/2/2003	23.43	6.70	16.73	0.87	7.57	16.51	17.17
RW-6	1/7/2003	23.43	6.50	16.93	0.26	6.76	16.87	17.06
RW-6	1/8/2003	23.43	6.09	17.34	0.51	6.60	17.21	17.60
RW-6	1/9/2003	23.43	6.28	17.15	0.38	6.66	17.06	17.34
RW-6	1/10/2003	23.43	6.42	17.01	0.23	6.65	16.95	17.13
RW-6	1/13/2003	23.43	8.16	15.27	0.07	8.23	15.25	15.31
RW-6	1/14/2003	23.43	6.73	16.70	0.20	6.93	16.65	16.80
RW-6	1/15/2003	23.43	6.30	17.13	0.60	6.90	16.98	17.43
RW-6	1/16/2003	23.43	6.28	17.15	0.65	6.93	16.99	17.48
RW-6	1/17/2003	23.43	6.29	17.14	0.00	6.29	17.14	17.14
RW-6	1/20/2003	23.43	6.31	17.12	0.63	6.94	16.96	17.44
RW-6	1/22/2003	23.43	6.41	17.02	0.75	7.16	16.83	17.40
RW-6	1/23/2003	23.43	6.60	16.83	0.80	7.40	16.63	17.23
RW-6	1/24/2003	23.43	6.45	16.98	0.76	7.21	16.79	17.36
RW-6	1/27/2003	23.43	5.82	17.61	0.62	6.44	17.46	17.92
RW-6	1/28/2003	23.43	5.90	17.53	0.39	6.29	17.43	17.73
RW-6	1/29/2003	23.43	5.81	17.62	0.35	6.16	17.53	17.80
RW-6	1/30/2003	23.43	5.92	17.51	0.28	6.20	17.44	17.65
RW-6	2/3/2003	23.43	6.25	17.18	0.19	6.44	17.13	17.28
RW-6	2/6/2003	24.18	6.96	17.22	0.18	7.14	17.18	17.31
RW-6	2/11/2003	24.18	7.44	16.74	0.31	7.75	16.66	16.90
RW-6	2/18/2003	24.18	7.90	16.28	0.51	8.41	16.15	16.54
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

**Groundwater Elevation Data
Phillips 66 Company
Renton Terminal
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-6	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

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-6	2/18/2009	24.18	--	--	--	8.85	15.33	15.33
RW-6	8/25/2009	24.18	--	--	--	10.80	13.38	13.38
RW-6	3/22/2010	24.18	--	--	--	8.19	15.99	15.99
RW-6	8/23/2010	24.18	--	--	--	10.20	13.98	13.98
RW-6	2/7/2011	24.18	--	--	--	7.25	16.93	--
RW-6	5/27/2011	24.18	--	--	Not Monitored	--	--	--
RW-6	8/8/2011	24.18	--	--	--	10.31	13.87	--
RW-6	11/14/2011	24.18	--	--	--	9.56	14.62	--
RW-6	2/20/2012	24.18	--	--	--	7.19	16.99	--
RW-6	8/22/2012	24.18	--	--	--	10.07	14.11	--
RW-6	11/5/2012	24.18	--	--	--	7.63	16.55	--
RW-6	1/28/2013	24.18	--	--	--	7.16	17.02	--
RW-6	5/9/2013	24.18	--	--	--	8.22	15.96	--
RW-6	8/19/2013	24.18	--	--	--	10.80	13.38	--
RW-6	11/25/2013	24.18	--	--	--	8.32	15.86	--
RW-6	11/25/2013	24.18	--	--	--	8.32	15.86	--
RW-6	2/14/2014	24.18	--	--	--	6.76	17.42	--
RW-6	5/5/2014	24.18	--	--	--	5.99	18.19	--
RW-6	8/19/2014	24.18	--	--	--	10.57	13.61	--
RW-6	11/21/2014	24.18	--	--	--	5.54	18.64	--
RW-7	11/20/2002	23.01	7.65	15.36	2.46	10.11	14.75	--
RW-7	11/21/2002	23.01	7.60	15.41	2.51	10.11	14.78	16.59
RW-7	11/22/2002	23.01	8.03	14.98	1.75	9.78	14.54	16.67
RW-7	11/24/2002	23.01	8.23	14.78	1.26	9.49	14.47	15.86
RW-7	1/2/2003	23.01	6.44	16.57	0.40	6.84	16.47	16.77
RW-7	1/3/2003	23.01	6.28	16.73	0.40	6.68	16.63	16.93
RW-7	1/6/2003	23.01	5.93	17.08	0.12	6.05	17.05	17.14
RW-7	1/7/2003	23.01	5.84	17.17	0.20	6.04	17.12	17.27
RW-7	1/8/2003	23.01	5.66	17.35	0.20	5.86	17.30	17.45
RW-7	1/9/2003	23.01	5.72	17.29	0.33	6.05	17.21	17.46
RW-7	1/10/2003	23.01	5.90	17.11	0.25	6.15	17.05	17.24
RW-7	1/13/2003	23.01	5.98	17.03	0.37	6.35	16.94	17.22
RW-7	1/14/2003	23.01	5.97	17.04	0.27	6.24	16.97	17.18
RW-7	1/15/2003	23.01	5.95	17.06	0.30	6.25	16.99	17.21
RW-7	1/16/2003	23.01	5.84	17.17	0.41	6.25	17.07	17.38
RW-7	1/17/2003	23.01	5.85	17.16	0.35	6.20	17.07	17.34
RW-7	1/20/2003	23.01	6.02	16.99	0.53	6.55	16.86	17.26
RW-7	1/22/2003	23.01	6.11	16.90	0.80	6.91	16.70	17.30
RW-7	1/23/2003	23.01	6.25	16.76	1.05	7.30	16.50	17.29
RW-7	1/24/2003	23.01	6.16	16.85	1.03	7.19	16.59	17.37
RW-7	1/27/2003	23.01	5.60	17.41	0.58	6.18	17.27	17.70
RW-7	1/28/2003	23.01	5.65	17.36	0.63	6.28	17.20	17.68
RW-7	1/29/2003	23.01	5.55	17.46	0.65	6.20	17.30	17.79
RW-7	1/30/2003	23.01	5.65	17.36	0.67	6.32	17.19	17.70
RW-7	2/3/2003	23.01	5.91	17.10	0.76	6.67	16.91	17.48
RW-7	2/6/2003	23.78	6.55	17.23	0.79	7.34	17.03	17.63
RW-7	2/11/2003	23.78	6.99	16.79	1.08	8.07	16.52	17.33
RW-7	2/21/2003	23.78	7.42	16.36	0.99	8.41	16.11	16.86
RW-7	2/26/2003	23.78	7.24	16.54	0.04	7.28	16.53	16.56
RW-7	3/4/2003	23.78	--	--	--	6.96	16.82	16.82
RW-7	3/12/2003	23.01	Trace	--	--	7.71	15.30	15.30
RW-7	3/14/2003	23.01	--	--	--	7.51	15.50	15.50
RW-7	3/26/2003	23.01	--	--	--	6.68	16.33	16.33
RW-7	3/28/2003	23.01	--	--	--	7.25	15.76	15.76
RW-7	4/2/2003	23.01	--	--	--	7.42	15.59	15.59
RW-7	4/4/2003	23.01	--	--	--	7.64	15.37	15.37
RW-7	4/8/2003	23.01	--	--	--	7.22	15.79	15.79
RW-7	4/11/2003	23.01	--	--	--	7.16	15.85	15.85
RW-7	4/15/2003	23.01	--	--	--	6.81	16.20	16.20
RW-7	4/17/2003	23.01	--	--	--	7.38	15.63	15.63
RW-7	4/22/2003	23.01	--	--	--	7.34	15.67	15.67
RW-7	4/25/2003	23.01	--	--	--	7.21	15.80	15.80
RW-7	5/2/2003	23.01	8.30	14.71	0.03	8.33	14.70	14.73
RW-7	5/6/2003	23.01	8.52	14.49	0.08	8.60	14.47	14.53
RW-7	5/9/2003	23.01	8.54	14.47	0.03	8.57	14.46	14.49

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
RW-7	5/23/2003	23.01	8.55	14.46	1.03	9.58	14.20	14.98
RW-7	5/28/2003	23.01	8.57	14.44	1.55	10.12	14.05	15.22
RW-7	6/13/2003	23.01	8.92	14.09	1.64	10.56	13.68	14.91
RW-7	6/18/2003	23.01	8.88	14.13	1.87	10.75	13.66	15.07
RW-7	6/27/2003	23.01	9.26	13.75	1.55	10.81	13.36	14.53
RW-7	7/7/2003	23.01	9.54	13.47	1.21	10.75	13.17	14.08
RW-7	7/16/2003	23.01	9.42	13.59	1.30	10.72	13.27	14.24
RW-7	7/31/2003	23.01	9.98	13.03	0.76	10.74	12.84	13.41
RW-7	8/5/2003	23.01	10.88	12.13	0.74	11.62	11.95	12.50
RW-7	8/11/2003	23.01	11.00	12.01	0.69	11.69	11.84	12.36
RW-7	8/22/2003	23.01	10.70	12.31	1.01	11.71	12.06	12.82
RW-7	8/26/2003	23.01	11.28	11.73	0.37	11.65	11.64	11.92
RW-7	9/2/2003	23.01	10.36	12.65	0.36	10.72	12.56	12.83
RW-7	9/9/2003	23.01	10.75	12.26	0.01	10.76	12.26	12.27
RW-7	9/19/2003	23.01	--	--	--	10.76	12.25	12.25
RW-7	10/14/2003	23.01	--	--	--	10.77	12.24	12.24
RW-7	11/20/2003	23.01	--	--	--	8.24	14.77	14.77
RW-7	12/3/2003	23.01	--	--	--	6.79	16.22	16.22
RW-7	1/19/2004	23.01	--	--	--	6.31	16.70	16.70
RW-7	2/24/2004	23.01	--	--	--	7.11	15.90	15.90
RW-7	3/15/2004	23.01	--	--	--	8.20	14.81	14.81
RW-7	4/19/2004	23.01	--	--	--	8.85	14.16	14.16
RW-7	5/17/2004	23.01	--	--	--	9.79	13.22	13.22
RW-7	6/22/2004	23.01	--	--	--	9.57	13.44	13.44
RW-7	8/18/2004	23.01	10.71	12.30	0.01	10.72	12.30	12.31
RW-7	9/21/2004	23.01	--	--	--	10.45	12.56	12.56
RW-7	10/19/2004	23.01	--	--	--	8.73	14.28	14.28
RW-7	11/23/2004	23.01	--	--	--	9.60	13.41	13.41
RW-7	12/21/2004	23.01	--	--	--	7.06	15.95	15.95
RW-7	1/13/2005	23.01	--	--	--	7.93	15.08	15.08
RW-7	4/28/2005	23.01	--	--	--	7.37	15.64	15.64
RW-7	6/1/2005	23.01	--	--	--	7.67	15.34	15.34
RW-7	6/29/2005	23.01	--	--	--	9.05	13.96	13.96
RW-7	7/20/2005	23.01	--	--	--	9.61	13.40	13.40
RW-7	8/22/2005	23.01	--	--	--	9.88	13.13	13.13
RW-7	5/27/2011	23.01			Not Monitored			
RWx-7	9/12/2005	24.71	--	--	--	11.99	12.72	12.72
RWx-7	10/12/2005	24.71	12.54	12.17	0.23	12.77	12.11	12.29
RWx-7	11/21/2005	24.71	9.83	14.88	0.13	9.96	14.85	14.95
RWx-7	12/27/2005	24.71	8.15	16.56	0.02	8.17	16.56	16.57
RWx-7	1/30/2006	24.71	5.31	19.40	0.01	5.32	19.40	19.41
RWx-7	2/16/2006	24.71	7.41	17.30	0.02	7.43	17.30	17.31
RWx-7	3/13/2006	24.71	--	--	--	8.46	16.25	16.25
RWx-7	4/18/2006	24.71	--	--	--	8.71	16.00	16.00
RWx-7	5/12/2006	24.71	--	--	--	9.18	15.53	15.53
RWx-7	6/9/2006	24.71	--	--	--	8.76	15.95	15.95
RWx-7	7/13/2006	24.71	--	--	--	10.10	14.61	14.61
RWx-7	8/16/2006	24.71	11.03	13.68	0.08	11.11	13.66	13.72
RWx-7	9/19/2006	24.71	--	--	--	11.60	13.11	13.11
RWx-7	10/13/2006	24.71	--	--	--	11.31	13.40	13.40
RWx-7	11/20/2006	24.71	--	--	--	6.61	18.10	18.10
RWx-7	12/8/2006	24.71	--	--	--	6.91	17.80	17.80
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

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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

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HWx-1East	6/9/2006	20.44	--	--	--	4.96	15.48	15.48
HWx-1East	7/13/2006	20.44	--	--	--	5.45	14.99	14.99
HWx-1East	8/16/2006	20.44	--	--	--	6.75	13.69	13.69
HWx-1East	9/19/2006	20.44	--	--	--	9.20	11.24	11.24
HWx-1East	10/13/2006	20.44	8.65	11.79	2.85	11.50	11.08	13.22
HWx-1East	11/20/2006	20.44	--	--	--	3.25	17.19	17.19
HWx-1East	12/8/2006	20.44	--	--	--	3.40	17.04	17.04
HWx-1East	1/19/2007	20.44	--	--	--	3.07	17.37	17.37
HWx-1East	2/19/2007	20.44	--	--	--	4.74	15.70	15.70
HWx-1East	3/15/2007	20.44	--	--	--	3.91	16.53	16.53
HWx-1East	4/16/2007	20.44	--	--	--	4.42	16.02	16.02
HWx-1East	5/14/2007	20.44	--	--	--	5.45	14.99	14.99
HWx-1East	6/29/2007	20.44	--	--	--	6.58	13.86	13.86
HWx-1East	7/20/2007	20.44	--	--	--	8.38	12.06	12.06
HWx-1East	8/21/2007	20.44	--	--	--	8.79	11.65	11.65
HWx-1East	9/10/2007	20.44	--	--	--	8.95	11.49	11.49
HWx-1East	10/22/2007	20.44	--	--	--	6.45	13.99	13.99
HWx-1East	11/28/2007	20.44	--	--	--	5.72	14.72	14.72
HWx-1East	12/13/2007	20.44	--	--	--	4.68	15.76	15.76
HWx-1East	1/21/2008	20.44	--	--	--	4.88	15.56	15.56
HWx-1East	2/24/2008	20.44	--	--	--	5.17	15.27	15.27
HWx-1East	3/24/2008	20.44	--	--	--	5.54	14.90	14.90
HWx-1East	8/25/2008	20.44	--	--	--	8.95	11.49	11.49
HWx-1East	2/18/2009	20.44	--	--	--	5.15	15.29	15.29
HWx-1East	8/25/2009	20.44	--	--	--	10.05	10.39	10.39
HWx-1East	3/22/2010	20.44	--	--	--	10.45	9.99	9.99
HWx-1East	8/23/2010	20.44	--	--	--	10.20	10.24	10.24
HWx-1East	2/7/2011	20.44	--	--	--	4.60	15.84	--
HWx-1East	5/27/2011	20.44	--	--	Not Monitored			
HW-1West	11/20/2003	18.86	--	--	--	4.32	14.54	14.54
HW-1West	12/3/2003	18.86	--	--	--	3.56	15.30	15.30
HW-1West	1/19/2004	18.86	--	--	--	3.28	15.58	15.58
HW-1West	2/24/2004	18.86	--	--	--	4.96	13.90	13.90
HW-1West	3/15/2004	18.86	--	--	--	6.35	12.51	12.51
HW-1West	4/19/2004	18.86	--	--	--	5.90	12.96	12.96
HW-1West	5/17/2004	18.86	--	--	Not Monitored			0.00
HW-1West	6/22/2004	18.86	--	--	Not Monitored			0.00
HW-1West	8/18/2004	18.86	7.31	11.55	0.01	7.32	11.55	11.56
HW-1West	9/21/2004	18.86	--	--	--	6.43	12.43	12.43
HW-1West	10/19/2004	18.86	--	--	--	5.56	13.30	13.30
HW-1West	11/23/2004	18.86	--	--	--	5.82	13.04	13.04
HW-1West	12/21/2004	18.86	--	--	--	3.95	14.91	14.91
HW-1West	1/13/2005	18.86	--	--	--	4.66	14.20	14.20
HW-1West	4/28/2005	18.86	--	--	--	4.30	14.56	14.56
HW-1West	6/1/2005	18.86	--	--	--	5.60	13.26	13.26
HW-1West	6/29/2005	18.86	--	--	--	6.34	12.52	12.52
HW-1West	7/20/2005	18.86	--	--	--	6.40	12.46	12.46
HW-1West	8/22/2005	18.86	--	--	--	6.55	12.31	12.31
HW-1West	5/27/2011	18.86	--	--	Not Monitored			
HWx-1West	9/12/2005	19.96	--	--	--	10.16	9.80	9.80
HWx-1West	10/12/2005	19.96	9.22	10.74	0.01	9.23	10.74	10.75
HWx-1West	11/21/2005	19.96	5.42	14.54	0.01	5.43	14.54	14.55
HWx-1West	12/27/2005	19.96	--	--	--	4.01	15.95	15.95
HWx-1West	1/30/2006	19.96	--	--	--	1.72	18.24	18.24
HWx-1West	2/16/2006	19.96	3.79	16.17	0.01	3.80	16.17	16.18
HWx-1West	3/13/2006	19.96	--	--	--	4.52	15.44	15.44
HWx-1West	4/18/2006	19.96	--	--	--	4.48	15.48	15.48
HWx-1West	5/12/2006	19.96	--	--	--	4.80	15.16	15.16
HWx-1West	6/9/2006	19.96	--	--	--	4.52	15.44	15.44
HWx-1West	7/13/2006	19.96	--	--	--	9.89	10.07	10.07
HWx-1West	8/16/2006	19.96	--	--	--	6.20	13.76	13.76
HWx-1West	9/19/2006	19.96	--	--	--	6.87	13.09	13.09
HWx-1West	10/13/2006	19.96	--	--	--	6.57	13.39	13.39
HWx-1West	11/20/2006	19.96	--	--	--	2.76	17.20	17.20

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HWx-1West	12/8/2006	19.96	--	--	--	2.91	17.05	17.05
HWx-1West	1/19/2007	19.96	--	--	--	2.60	17.36	17.36
HWx-1West	2/19/2007	19.96	--	--	--	4.26	15.70	15.70
HWx-1West	3/15/2007	19.96	--	--	--	3.42	16.54	16.54
HWx-1West	4/16/2007	19.96	--	--	--	3.95	16.01	16.01
HWx-1West	5/14/2007	19.96	--	--	--	4.95	15.01	15.01
HWx-1West	6/29/2007	19.96	--	--	--	9.06	10.90	10.90
HWx-1West	7/20/2007	19.96	--	--	--	6.43	13.53	13.53
HWx-1West	8/21/2007	19.96	--	--	--	8.05	11.91	11.91
HWx-1West	9/10/2007	19.96	--	--	--	8.11	11.85	11.85
HWx-1West	10/22/2007	19.96	--	--	--	5.98	13.98	13.98
HWx-1West	11/28/2007	19.96	--	--	--	5.23	14.73	14.73
HWx-1West	12/13/2007	19.96	--	--	--	4.18	15.78	15.78
HWx-1West	1/21/2008	19.96	--	--	--	4.38	15.58	15.58
HWx-1West	2/24/2008	19.96	--	--	--	4.72	15.24	15.24
HWx-1West	3/24/2008	19.96	--	--	--	5.06	14.90	14.90
HWx-1West	8/25/2008	19.96	--	--	--	6.90	13.06	13.06
HWx-1West	2/18/2009	19.96	--	--	--	5.02	14.94	14.94
HWx-1West	8/25/2009	19.96	--	--	--	7.21	12.75	12.75
HWx-1West	3/22/2010	19.96	--	--	--	9.60	10.36	10.36
HWx-1West	8/23/2010	19.96	--	--	--	9.24	10.72	10.72
HWx-1West	2/7/2011	19.96	--	--	--	4.13	15.83	15.83
HWx-1West	5/27/2011	19.96	--	--	Not Monitored			
MW-1	11/14/2011	20.51	--	--	--	8.45	12.06	--
MW-1	2/20/2012	20.51	--	--	--	6.96	13.55	--
MW-1	8/22/2012	20.51	--	--	--	9.60	10.91	--
MW-1	11/5/2012	20.51	--	--	--	7.91	12.60	--
MW-1	1/28/2013	20.51	--	--	--	7.41	13.10	--
MW-1	5/9/2013	20.51	--	--	--	8.24	12.27	--
MW-1	8/19/2013	20.51	--	--	--	10.45	10.06	--
MW-1	11/25/2013	20.51	--	--	--	8.02	12.49	--
MW-1	2/14/2014	20.51	--	--	--	7.71	12.80	--
MW-1	5/5/2014	20.51	--	--	--	7.04	13.47	--
MW-1	8/19/2014	20.51	--	--	--	9.16	11.35	--
MW-1	11/21/2014	20.51	--	--	--	7.97	12.54	--
MW-1	11/14/2016	20.51	--	--	--	7.49	13.02	--
MW-1	11/16/2016	20.51	--	--	--	--	--	--
MW-1	2/16/2017	20.51	--	--	--	7.01	13.50	--
MW-1	5/24/2017	20.51	--	--	--	7.67	12.84	--
MW-1	9/26/2017	20.51	--	--	--	9.49	11.02	--
MW-1	9/27/2017	20.51	--	--	--	--	--	--
MW-1	12/13/2017	20.51	--	--	--	7.32	13.19	--
MW-1	2/26/2018	20.51	--	--	--	7.62	12.89	--
MW-1	6/11/2018	20.51	--	--	--	8.77	11.74	--
MW-1	6/26/2018	20.51	--	--	--	9.32	11.19	--
MW-1	8/28/2018	20.51	--	--	--	10.55	9.96	--
MW-1	12/17/2018	20.51	--	--	--	7.48	13.03	--
MW-1	3/14/2019	20.51	--	--	--	7.70	12.81	--
MW-1	6/12/2019	20.51	--	--	--	8.83	11.68	--
MW-1	9/23/2019	20.51	--	--	--	8.85	11.66	--
MW-1	12/4/2019	20.51	--	--	--	8.90	11.61	--
MW-1	2/25/2020	20.51	--	--	--	7.42	13.09	--
MW-1	6/12/2020	20.51	--	--	--	8.52	11.99	--
MW-1	9/17/2020	20.51	--	--	--	9.87	10.64	--
MW-1	12/2/2020	20.51	--	--	--	7.76	12.75	--
MW-1	3/16/2021	20.51	--	--	--	6.24	14.27	--
MW-1	5/24/2021	20.51	--	--	--	8.72	11.79	--
MW-1	9/14/2021	20.51	--	--	--	10.42	10.09	--
MW-1	12/20/2021	20.51	--	--	--	7.38	13.13	--
MW-1	3/1/2022	20.51	--	--	--	4.27	16.24	--
MW-1	6/9/2022	20.51	--	--	--	7.65	12.86	--
MW-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	--

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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-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	--

**Groundwater Elevation Data
Phillips 66 Company
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-3	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-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-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	--

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Phillips 66 Company
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-5	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-6	11/14/2011	22.30	--	--	--	10.30	12.00	--
MW-6	2/20/2012	22.30	--	--	--	9.36	12.94	--
MW-6	8/22/2012	22.30	--	--	--	11.30	11.00	--
MW-6	11/5/2012	22.30	--	--	--	9.68	12.62	--
MW-6	1/28/2013	22.30	--	--	--	9.63	12.67	--
MW-6	5/9/2013	22.30	--	--	--	10.09	12.21	--
MW-6	8/19/2013	22.30	--	--	--	11.95	10.35	--
MW-6	11/25/2013	22.30	--	--	--	9.71	12.59	--
MW-6	2/14/2014	22.30	--	--	--	9.13	13.17	--
MW-6	5/5/2014	22.30	--	--	--	8.64	13.66	--
MW-6	8/19/2014	22.30	--	--	--	10.54	11.76	--
MW-6	11/21/2014	22.30	--	--	--	9.28	13.02	--
MW-6	11/14/2016	22.30	--	--	--	9.06	13.24	--
MW-6	11/17/2016	22.30	--	--	--	--	--	--
MW-6	11/17/2016	22.30	--	--	--	--	--	--
MW-6	2/16/2017	22.30	--	--	--	8.23	14.07	--
MW-6	5/24/2017	22.30	--	--	--	9.38	12.92	--
MW-6	9/26/2017	22.30	--	--	--	10.87	11.43	--
MW-6	9/28/2017	22.30	--	--	--	--	--	--
MW-6	12/13/2017	22.30	--	--	--	9.01	13.29	--
MW-6	2/26/2018	22.30	--	--	--	9.21	13.09	--
MW-6	6/11/2018	22.30	--	--	--	10.18	12.12	--
MW-6	6/26/2018	22.30	--	--	--	10.67	11.63	--
MW-6	8/28/2018	22.30	--	--	--	11.82	10.48	--
MW-6	12/17/2018	22.30	--	--	--	9.07	13.23	--
MW-6	3/14/2019	22.30	--	--	--	9.40	12.90	--
MW-6	6/12/2019	22.30	--	--	--	10.50	11.80	--
MW-6	9/23/2019	22.30	--	--	--	9.94	12.36	--
MW-6	12/4/2019	22.30	--	--	--	9.44	12.86	--
MW-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-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	--

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Phillips 66 Company
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-7	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-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-9	11/14/2011	20.82	--	--	--	8.47	12.35	--
MW-9	2/20/2012	20.82	--	--	--	5.90	14.92	--
MW-9	8/22/2012	20.82	--	--	--	7.56	13.26	--
MW-9	11/5/2012	20.82	--	--	--	7.68	13.14	--
MW-9	1/28/2013	20.82	--	--	--	6.45	14.37	--

**Groundwater Elevation Data
Phillips 66 Company
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Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-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-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	--

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-11	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	--
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	--

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-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-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-14	11/14/2011	21.54	--	--	--	9.66	11.88	--
MW-14	2/20/2012	21.54	--	--	--	8.33	13.21	--
MW-14	8/22/2012	21.54	--	--	--	10.36	11.18	--
MW-14	11/5/2012	21.54	--	--	--	8.98	12.56	--
MW-14	1/28/2013	21.54	--	--	--	8.75	12.79	--
MW-14	5/9/2013	21.54	--	--	--	9.19	12.35	--
MW-14	8/19/2013	21.54	--	--	--	11.09	10.45	--
MW-14	11/25/2013	21.54	--	--	--	8.86	12.68	--
MW-14	2/14/2014	21.54	--	--	--	8.28	13.26	--
MW-14	5/5/2014	21.54	--	--	--	7.61	13.93	--
MW-14	8/19/2014	21.54	--	--	--	9.86	11.68	--
MW-14	11/21/2014	21.54	--	--	--	8.32	13.22	--
MW-14	11/14/2016	21.54	--	--	--	9.65	11.89	--
MW-14	11/17/2016	21.54	--	--	--	--	--	--
MW-14	2/16/2017	21.54	--	--	--	7.70	13.84	--
MW-14	5/25/2017	21.54	--	--	--	8.35	13.19	--
MW-14	9/26/2017	21.54	--	--	--	10.10	11.44	--
MW-14	12/14/2017	21.54	--	--	--	8.10	13.44	--
MW-14	2/26/2018	21.54	--	--	--	8.13	13.41	--
MW-14	6/11/2018	21.54	--	--	--	9.38	12.16	--
MW-14	8/28/2018	21.54	--	--	--	11.54	10.00	--
MW-14	12/17/2018	21.54	--	--	--	8.19	13.35	--
MW-15	11/14/2011	20.52	--	--	--	8.71	11.81	--

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

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

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
MW-16	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-17	8/22/2012	13.34	--	--	--	2.77	10.57	--
MW-17	11/5/2012	13.34	--	--	--	0.18	13.16	--
MW-17	1/28/2013	13.34	--	--	--	1.31	12.03	--
MW-17	5/9/2013	13.34	--	--	--	1.88	11.46	--
MW-17	8/19/2013	13.34	--	--	--	3.59	9.75	--
MW-17	11/25/2013	13.34	--	--	--	1.49	11.85	--
MW-17	2/14/2014	13.34	--	--	--	0.80	12.54	--
MW-17	5/5/2014	13.34	--	--	--	0.00	13.34	--
MW-17	8/19/2014	13.34	--	--	--	2.41	10.93	--
MW-17	11/21/2014	13.34	--	--	--	1.43	11.91	--
MW-17	11/14/2016	13.34	--	--	--	0.75	12.59	--
MW-17	11/18/2016	13.34	--	--	--	--	--	--
MW-17	2/16/2017	13.34	--	--	--	3.00	10.34	--
MW-17	5/25/2017	13.34	--	--	--	1.27	12.07	--
MW-17	9/26/2017	13.34	--	--	--	2.94	10.40	--
MW-17	9/27/2017	13.34	--	--	--	--	--	--
MW-17	12/12/2017	13.34	--	--	--	1.11	12.23	--
MW-17	2/26/2018	13.34	--	--	--	1.08	12.26	--
MW-17	6/11/2018	13.34	--	--	--	2.21	11.13	--
MW-17	6/26/2018	13.34	--	--	--	2.69	10.65	--
MW-17	8/28/2018	13.34	--	--	--	3.31	10.03	--
MW-17	9/23/2019	13.34	--	--	--	1.55	11.79	--
DW-1	11/14/2011	20.69	--	--	--	8.91	11.78	--
DW-1	2/20/2012	20.69	--	--	--	7.76	12.93	--
DW-1	8/22/2012	20.69	--	--	--	9.79	10.90	--
DW-1	11/5/2012	20.69	--	--	--	8.12	12.57	--
DW-1	1/28/2013	20.69	--	--	--	8.06	12.63	--
DW-1	5/9/2013	20.69	--	--	--	8.46	12.23	--
DW-1	8/19/2013	20.69	--	--	--	10.66	10.03	--
DW-1	11/25/2013	20.69	--	--	--	8.19	12.50	--
DW-1	2/14/2014	20.69	--	--	--	7.86	12.83	--
DW-1	5/5/2014	20.69	--	--	--	7.13	13.56	--
DW-1	8/19/2014	20.69	--	--	--	9.35	11.34	--
DW-1	11/21/2014	20.69	--	--	--	7.84	12.85	--
DW-2	11/14/2011	21.36	--	--	--	9.79	11.57	--
DW-2	2/20/2012	21.36	--	--	--	8.40	12.96	--
DW-2	8/22/2012	21.36	--	--	--	10.45	10.91	--
DW-2	11/5/2012	21.36	--	--	--	8.96	12.40	--
DW-2	1/28/2013	21.36	--	--	--	8.87	12.49	--
DW-2	5/9/2013	21.36	--	--	--	9.36	12.00	--
DW-2	8/19/2013	21.36	--	--	--	10.36	11.00	--
DW-2	11/25/2013	21.36	--	--	--	9.96	11.40	--
DW-2	2/14/2014	21.36	--	--	--	8.41	12.95	--
DW-2	5/5/2014	21.36	--	--	--	8.00	13.36	--
DW-2	8/19/2014	21.36	--	--	--	10.12	11.24	--
DW-2	11/21/2014	21.36	--	--	--	9.21	12.15	--
DW-3	11/14/2011	21.75	--	--	--	10.26	11.49	--
DW-3	2/20/2012	21.75	--	--	--	8.95	12.80	--
DW-3	8/22/2012	21.75	--	--	--	11.01	10.74	--
DW-3	11/5/2012	21.75	--	--	--	9.38	12.37	--
DW-3	1/28/2013	21.75	--	--	--	9.39	12.36	--
DW-3	5/9/2013	21.75	--	--	--	9.87	11.88	--
DW-3	8/19/2013	21.75	--	--	--	11.88	9.87	--

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
DW-3	11/25/2013	21.75	--	--	--	9.49	12.26	--
DW-3	2/14/2014	21.75	--	--	--	9.00	12.75	--
DW-3	5/5/2014	21.75	--	--	--	8.31	13.44	--
DW-3	11/21/2014	21.75	--	--	--	9.29	12.46	--
DW-3	9/23/2019	21.75	--	--	--	7.60	14.15	--
DW-4	8/22/2012	16.61	--	--	--	5.91	10.70	--
DW-4	11/5/2012	16.61	--	--	--	4.08	12.53	--
DW-4	1/28/2013	16.61	--	--	--	4.69	11.92	--
DW-4	5/9/2013	16.61	--	--	--	4.69	11.92	--
DW-4	8/19/2013	16.61	--	--	--	6.39	10.22	--
DW-4	11/25/2013	16.61	--	--	--	4.41	12.20	--
DW-4	2/14/2014	16.61	--	--	--	3.66	12.95	--
DW-4	5/5/2014	16.61	--	--	--	2.94	13.67	--
DW-4	8/19/2014	16.61	--	--	--	5.44	11.17	--
DW-4	11/21/2014	16.61	--	--	--	4.35	12.26	--
BR-1	11/5/2012	19.55	--	--	--	8.18	11.37	--
BR-1	1/28/2013	19.55	--	--	--	9.60	9.95	--
BR-1	5/9/2013	19.55	--	--	--	10.80	8.75	--
BR-1	8/19/2013	19.55	--	--	--	10.96	8.59	--
BR-1	11/25/2013	19.55	--	--	--	10.03	9.52	--
BR-1	2/14/2014	19.55	--	--	--	7.42	12.13	--
BR-1	5/5/2014	19.55	--	--	--	5.88	13.67	--
BR-1	8/19/2014	19.55	--	--	--	10.58	8.97	--
BR-1	11/21/2014	19.55	--	--	--	9.69	9.86	--
BR-2	11/5/2012	18.08	--	--	--	6.73	11.35	--
BR-2	1/28/2013	18.08	--	--	--	8.02	10.06	--
BR-2	5/9/2013	18.08	--	--	--	9.33	8.75	--
BR-2	8/19/2013	18.08	--	--	--	9.42	8.66	--
BR-2	11/25/2013	18.08	--	--	--	8.55	9.53	--
BR-2	2/14/2014	18.08	--	--	--	6.04	12.04	--
BR-2	5/5/2014	18.08	--	--	--	4.44	13.64	--
BR-2	8/19/2014	18.08	--	--	--	9.05	9.03	--
BR-2	11/21/2014	18.08	--	--	--	7.61	10.47	--
WS-1	1/28/2013	12.24			DRY			
WS-1	5/9/2013	12.24			DRY			
WS-1	8/19/2013	12.24			DRY			
WS-1	11/25/2013	12.24			DRY			
WS-1	2/14/2014	12.24	--	--	--	0.73	12.97	--
WS-1	5/5/2014	12.24	--	--	--	2.30	14.54	--
WS-1	8/19/2014	12.24			DRY			
WS-1	11/21/2014	12.24			DRY			
WS-2		12.03						
WS-2	1/28/2013	12.03			DRY			
WS-2	5/9/2013	12.03			DRY			
WS-2	8/19/2013	12.03			DRY			
WS-2	11/25/2013	12.03	--	--	--	0.075	12.11	--
WS-2	2/14/2014	12.03	--	--	--	1.275	13.31	--
WS-2	5/5/2014	12.03	--	--	--	2.55	14.58	--
WS-2	8/19/2014	12.03			DRY			
WS-2	11/21/2014	12.03			DRY			
WS-3		14.11						
WS-3	1/28/2013	14.11	--	--	--	2.13	16.24	--
WS-3	5/9/2013	14.11	--	--	--	1.05	15.16	--
WS-3	8/19/2013	14.11			DRY			
WS-3	11/25/2013	14.11	--	--	--	1.05	15.16	--
WS-3	2/14/2014	14.11	--	--	--	1.53	15.64	--
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	--

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

Well	Date	Top of Casing Elevation (feet)	Depth to Free Product (feet BTOC)	Elevation of Free Product (feet)	Product Thickness In Well (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)	Potentiometric Elevation
WS-4		14.92						
WS-4	5/9/2013	14.92	--	--	--	0.25	15.17	--
WS-4	8/19/2013	14.92			DRY			
WS-4	2/14/2014	14.92	--	--	--	0.68	15.60	--
WS-4	5/5/2014	14.92	--	--	--	1.38	16.30	--
WS-4	8/19/2014	14.92			DRY			
WS-4	11/21/2014	14.92	--	--	--	0.39	14.53	--
TW-1	5/9/2013	21.4	--	--	--	9.33	12.07	--
TW-1	8/19/2013	21.4	--	--	--	11.07	10.33	--
TW-1	11/25/2013	21.4	--	--	--	8.83	12.57	--
TW-1	2/14/2014	21.4	--	--	--	8.23	13.17	--
TW-1	5/5/2014	21.4	--	--	--	7.52	13.88	--
TW-1	8/19/2014	21.4	--	--	--	9.91	11.49	--
TW-2	5/9/2013	21.19	7.2		0.33	7.53	13.91	--
TW-2	8/19/2013	21.19	8.03		0.39	8.42	13.06	--
TW-2	11/25/2013	21.19	8.1		0.27	8.37	13.02	--
TW-2	2/14/2014	21.19	--	--	--	8.12	13.07	--
TW-2	5/5/2014	21.19	6.04	15.15	0.87	6.91	14.93	--
TW-2	8/19/2014	21.19	7.93	13.26	0.33	8.26	13.18	--
TW-3	5/9/2013	21.2	--	--	--	9.35	11.85	--
TW-3	8/19/2013	21.2	--	--	--	11.09	10.11	--
TW-3	11/25/2013	21.2	--	--	--	8.88	12.32	--
TW-3	2/14/2014	21.2	--	--	--	7.31	13.89	--
TW-3	5/5/2014	21.2	--	--	--	7.52	13.68	--
TW-3	8/19/2014	21.2	--	--	--	9.89	11.31	--
TW-4	5/9/2013	21.27	--	--	--	8.49	12.78	--
TW-4	8/19/2013	21.27	--	--	--	9.16	12.11	--
TW-4	11/25/2013	21.27	--	--	--	8.34	12.93	--
TW-4	2/14/2014	21.27	--	--	--	7.19	14.08	--
TW-4	5/5/2014	21.27	--	--	--	5.42	15.85	--
TW-4	8/19/2014	21.27	--	--	--	8.65	12.62	--
TW-5	5/9/2013	21.35	--	--	--	9.34	12.01	--
TW-5	8/19/2013	21.35	--	--	--	11.29	10.06	--
TW-5	11/25/2013	21.35	--	--	--	9.01	12.34	--
TW-5	2/14/2014	21.35	--	--	--	8.45	12.90	--
TW-5	5/5/2014	21.35	--	--	--	7.69	13.66	--
TW-5	8/19/2014	21.35	--	--	--	10.05	11.30	--
TW-6	5/9/2013	21.35	8.32		0.08	8.40	13.01	--
TW-6	8/19/2013	21.35	--	--	--	8.98	12.37	--
TW-6	11/25/2013	21.35	8.29		0.27	8.56	12.99	--
TW-6	2/14/2014	21.35	7.9		0.64	8.54	13.29	--
TW-6	5/5/2014	21.35	7.39	13.96	1.09	8.48	13.69	--
TW-6	8/19/2014	21.35	--	--	--	8.58	12.77	--
TW-7	5/9/2013	21.31	--	--	--	9.39	11.92	--
TW-7	8/19/2013	21.31	--	--	--	11.23	10.08	--
TW-7	11/25/2013	21.31	--	--	--	8.91	12.40	--
TW-7	2/14/2014	21.31	--	--	--	8.41	12.90	--
TW-7	5/5/2014	21.31	--	--	--	7.91	13.40	--
TW-7	8/19/2014	21.31	--	--	--	10.00	11.31	--
TW-8	5/9/2013	21.36	--	--	--	8.22	13.14	--
TW-8	8/19/2013	21.36	--	--	--	8.66	12.70	--
TW-8	11/25/2013	21.36	--	--	--	8.68	12.68	--
TW-8	2/14/2014	21.36	--	--	--	8.03	13.33	--
TW-8	5/5/2014	21.36	--	--	--	6.69	14.67	--
TW-8	8/19/2014	21.36	--	--	--	8.29	13.07	--
AS-1	5/9/2013	21.24	--	--	--	9.34	11.90	--
AS-1	8/19/2013	21.24	--	--	--	11.28	9.96	--

**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
AS-1	11/25/2013	21.24	--	--	--	8.98	12.26	--
AS-1	2/14/2014	21.24	--	--	--	8.46	12.78	--
AS-1	5/5/2014	21.24	--	--	--	7.63	13.61	--
AS-1	8/19/2014	21.24	--	--	--	10.01	11.23	--
EX-1	5/9/2013	21.54	8.57	--	1.46	10.03	12.61	--
EX-1	8/19/2013	21.54	10.41	--	0.71	11.12	10.95	--
EX-1	11/25/2013	21.54	8.39	--	1.57	9.96	12.76	--
EX-1	2/14/2014	21.54	7.76	--	2.22	9.98	13.23	--
EX-1	5/5/2014	21.54	7.3	14.24	2.78	10.08	13.55	--
EX-1	8/19/2014	21.54	9.86	11.68	0.41	10.27	11.58	--
EX-1	7/11/2016	--	9.05	--	0.55	9.60	--	--
EX-1	7/11/2017	--	7.8	--	1.91	9.71	--	--
EX-1	12/11/2017	21.54	4.92	16.62	4.72	9.64	15.68	--
EX-1	2/26/2018	21.54	--	--	--	--	--	--
EX-1	6/11/2018	21.54	8.75	12.79	0.63	9.38	12.66	--
EX-1	12/17/2018	21.54	7.38	14.16	1.94	9.32	13.77	--
EX-1	3/11/2019	21.54	7.38	14.16	1.89	9.27	13.78	--
EX-1	6/12/2019	21.54	7.05	14.49	2.21	9.26	14.05	--
EX-1	9/23/2019	21.54	8.30	13.24	0.95	9.25	13.05	--
EX-1	12/4/2019	21.54	7.80	13.74	1.31	9.11	13.48	--
EX-1	2/24/2020	21.54	7.20	14.34	1.27	8.47	14.09	--
EX-1	6/12/2020	21.46	7.92	13.54	0.2	8.12	13.50	--
EX-1	12/2/2020	21.54	--	--	--	7.54	14.00	--
EX-1	5/24/2021	21.54	--	--	--	10.91	10.63	--
EX-1	9/14/2021	21.54	--	--	--	12.81	8.73	--
EX-1	12/20/2021	21.54	--	--	--	7.67	13.87	--
EX-1	3/1/2022	21.54	--	--	--	7.00	14.54	--
P-1	5/9/2013	21.47	8.76	--	0.07	8.83	12.69	--
P-1	8/19/2013	21.47	10.38	--	0.41	10.79	10.99	--
P-1	11/25/2013	21.47	8.57	--	0.21	8.78	12.85	--
P-1	2/14/2014	21.47	7.89	--	1.36	9.25	13.24	--
P-1	5/5/2014	21.47	7.3	14.17	2.46	9.76	13.56	--
P-1	8/19/2014	21.47	9.79	11.68	0.42	10.21	11.58	--
P-1	11/14/2016	21.47	--	--	--	9.36	12.11	--
P-1	2/16/2017	21.47	6.19	15.28	3.31	9.50	14.62	--
P-1	5/24/2017	21.47	8.33	13.14	1.08	9.41	12.92	--
P-1	9/26/2017	21.47	10.15	11.32	0.87	11.02	11.15	--
P-1	12/11/2017	21.47	7.65	13.82	1.49	9.14	13.52	--
P-1	2/26/2018	21.47	8.8	12.67	0.62	9.42	12.55	--
P-1	6/11/2018	21.47	9.20	12.27	0.48	9.68	12.17	--
P-1	8/27/2018	21.47	--	--	--	11.09	10.38	--
P-1	12/17/2018	21.47	7.66	13.81	1.98	9.64	13.41	--
P-2	5/9/2013	21.6	8.65	--	1.32	9.97	12.62	--
P-2	8/19/2013	21.6	10.22	--	1.99	12.21	10.88	--
P-2	11/25/2013	21.6	8.46	--	1.4	9.86	12.79	--
P-2	2/14/2014	21.6	7.97	--	1.48	9.45	13.26	--
P-2	5/5/2014	21.6	7.55	14.05	1.87	9.42	13.58	--
P-2	8/19/2014	21.6	9.66	11.94	1.65	11.31	11.53	--
P-2	11/14/2016	21.60	7.71	13.89	1.89	9.60	13.51	--
P-2	2/16/2017	21.60	6.78	14.82	2.27	9.05	14.37	--
P-2	5/24/2017	21.60	7.73	13.87	1.75	9.48	13.52	--
P-2	9/26/2017	21.60	10.32	11.28	1.25	11.57	11.03	--
P-2	12/11/2017	21.60	8.5	13.1	0.61	9.11	12.98	--
P-2	2/26/2018	21.60	9.15	12.45	0.68	9.83	12.31	--
P-2	6/11/2018	21.60	9.60	12	0.97	10.57	11.81	--
P-2	8/27/2018	21.60	10.61	10.99	1.76	12.37	10.64	--
P-2	12/17/2018	21.60	8.35	13.25	1.01	9.36	13.05	--

Notes:

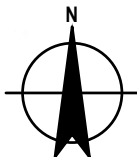
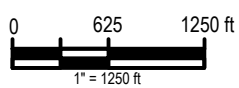
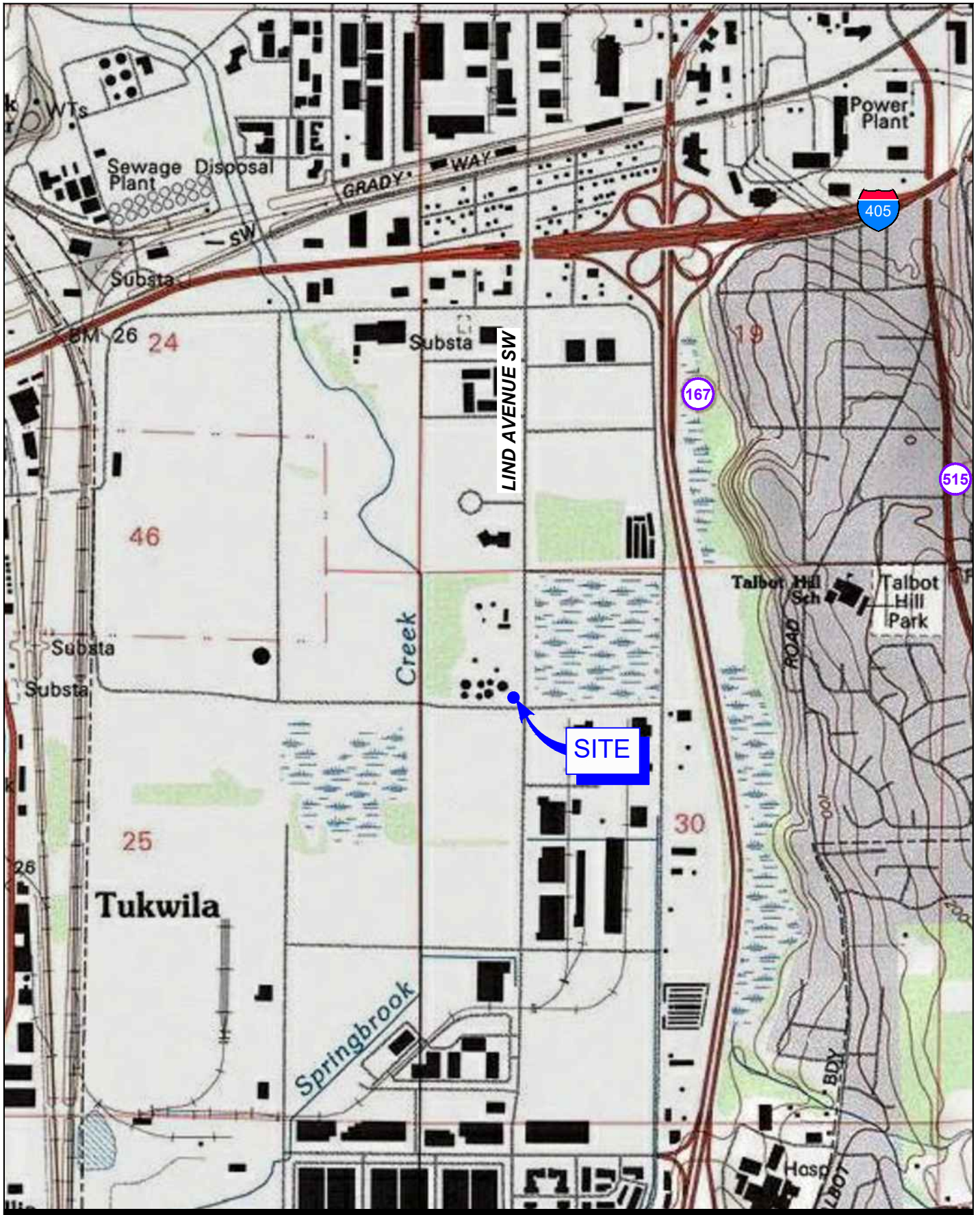
All measurement are recorded in feet.

-- = Not Applicable, no data

NM = Not Measured

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

Figures

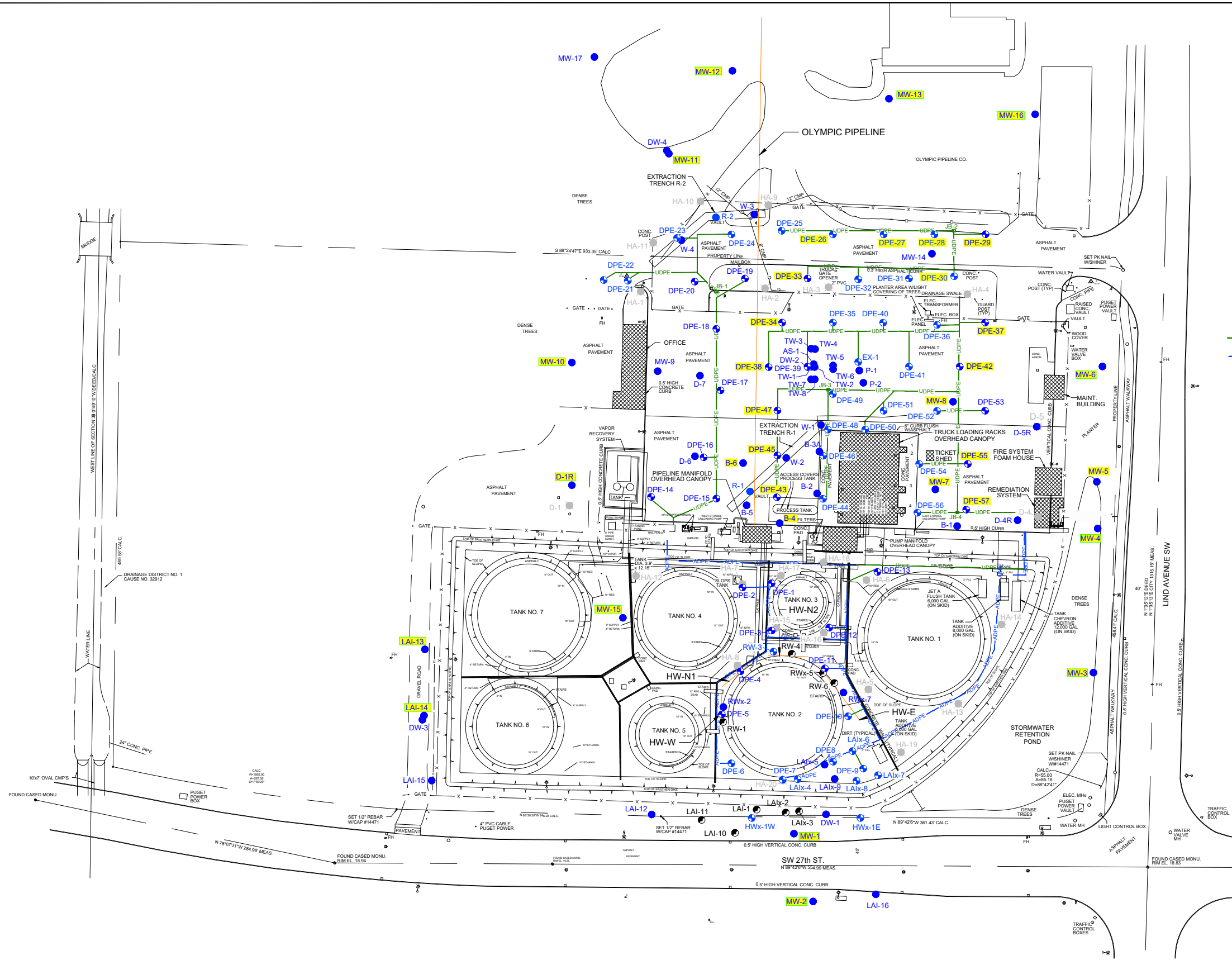


PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON

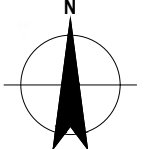
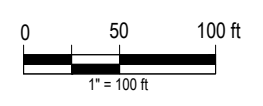
Project No. 12572873
 Date July 2022

VICINITY MAP

FIGURE 1



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

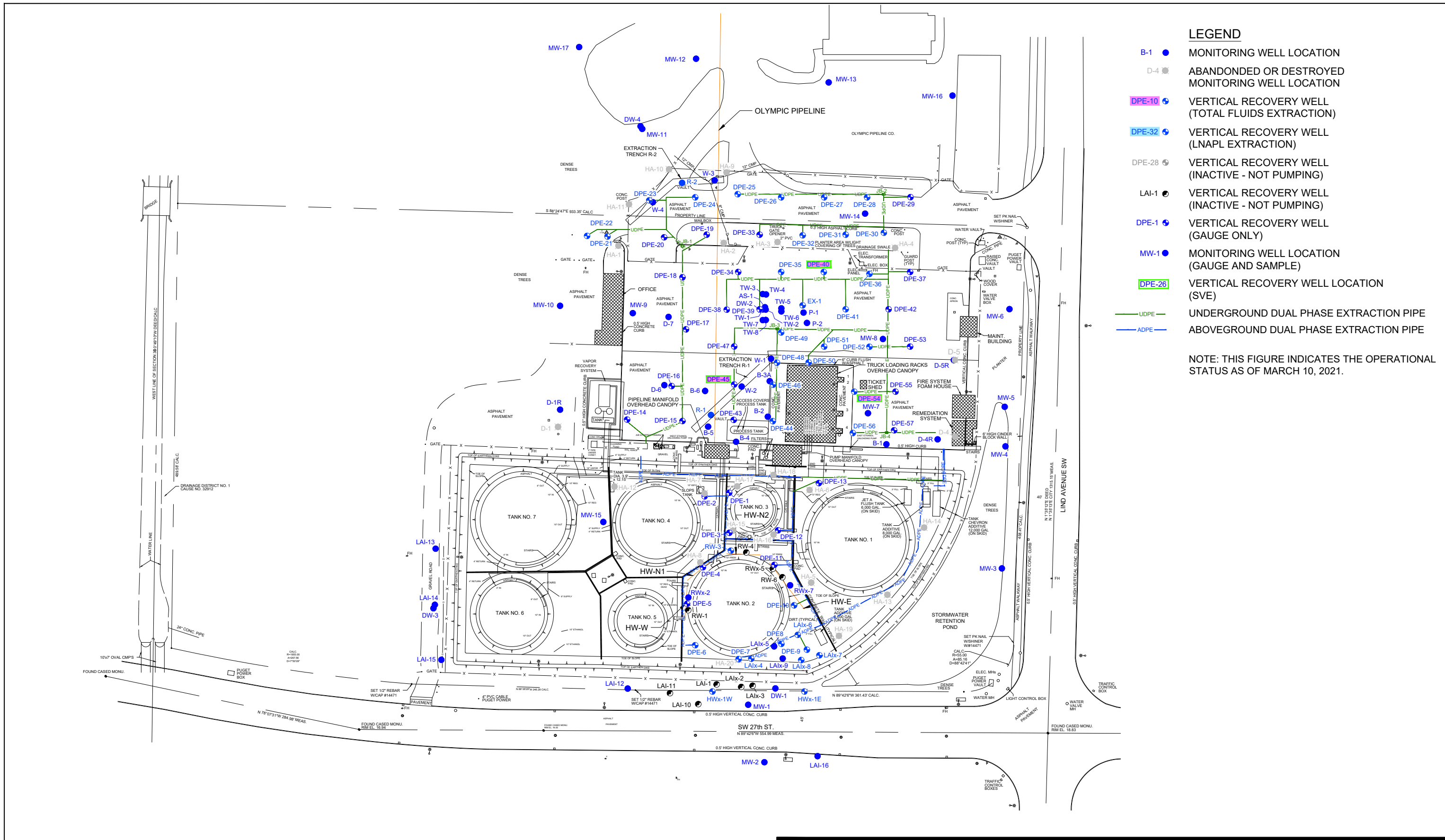


PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

Project No. 12572873
Date July 2022

**SITE PLAN WITH MONITORING
LOCATIONS**

FIGURE 2A



LEGEND

- B-1 ● MONITORING WELL LOCATION
- D-4 ■ ABANDONED OR DESTROYED MONITORING WELL LOCATION
- DPE-10 ● VERTICAL RECOVERY WELL (TOTAL FLUIDS EXTRACTION)
- DPE-32 ● VERTICAL RECOVERY WELL (LNAPL 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

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

0 50 100 ft
1" = 100 ft

WASHINGTON STATE PLANE
NORTH ZONE 4601 IN SURVEY FT.

PHILLIPS 66 RENTON TERMINAL
2423 LIND AVENUE SOUTHWEST
RENTON, WASHINGTON

Project No. 12572873
Date July 2022

SITE PLAN WITH ACTIVE REMEDIATION LOCATIONS

FIGURE 2B

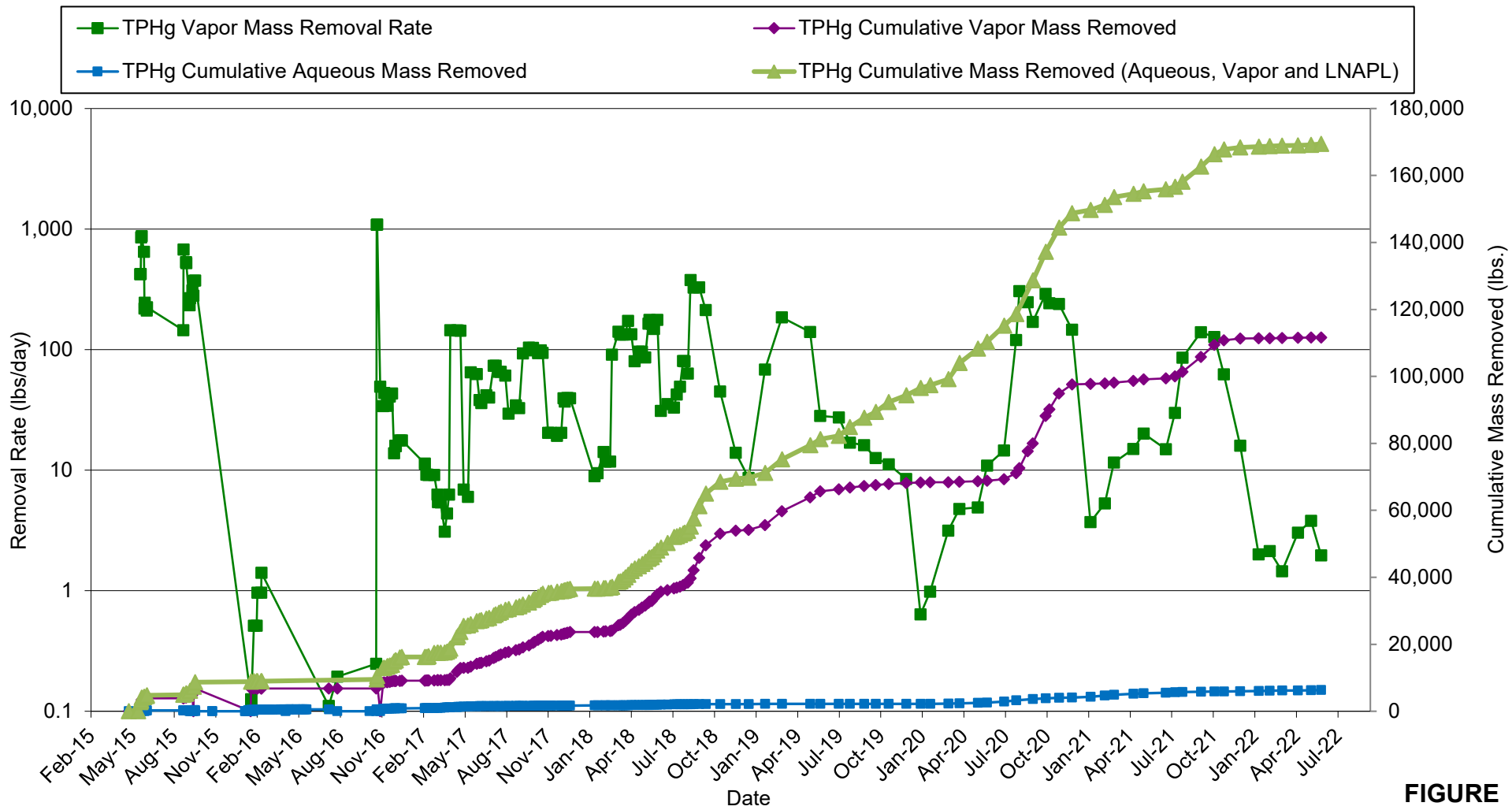


FIGURE 3

Phillips 66 Renton Terminal
 2423 Lind Avenue Southwest
 Renton, Washington



TPHg MASS REMOVAL VS. TIME

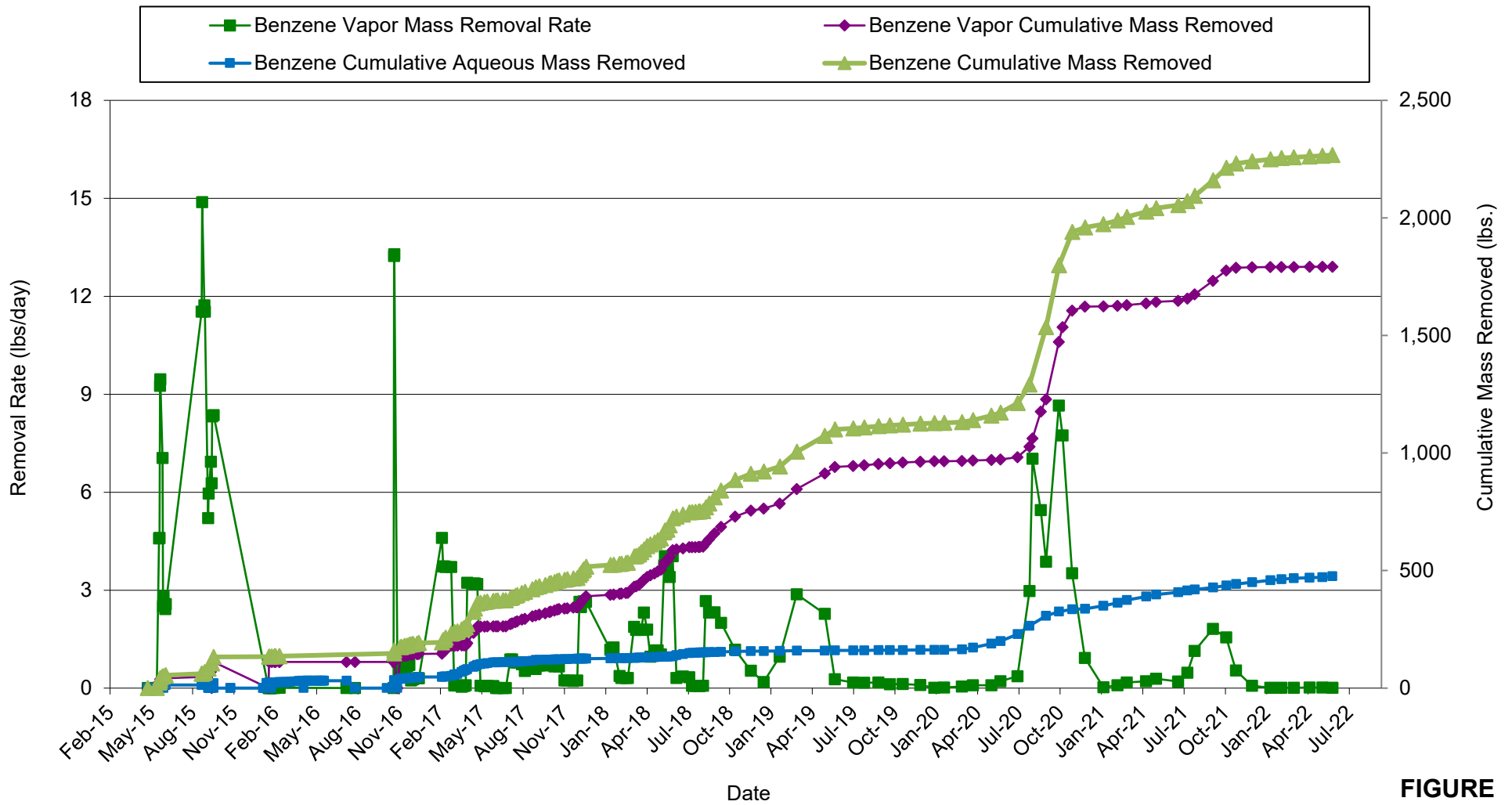


FIGURE 4

Phillips 66 Renton Terminal
 2423 Lind Avenue Southwest
 Renton, Washington



BENZENE MASS REMOVAL VS. TIME

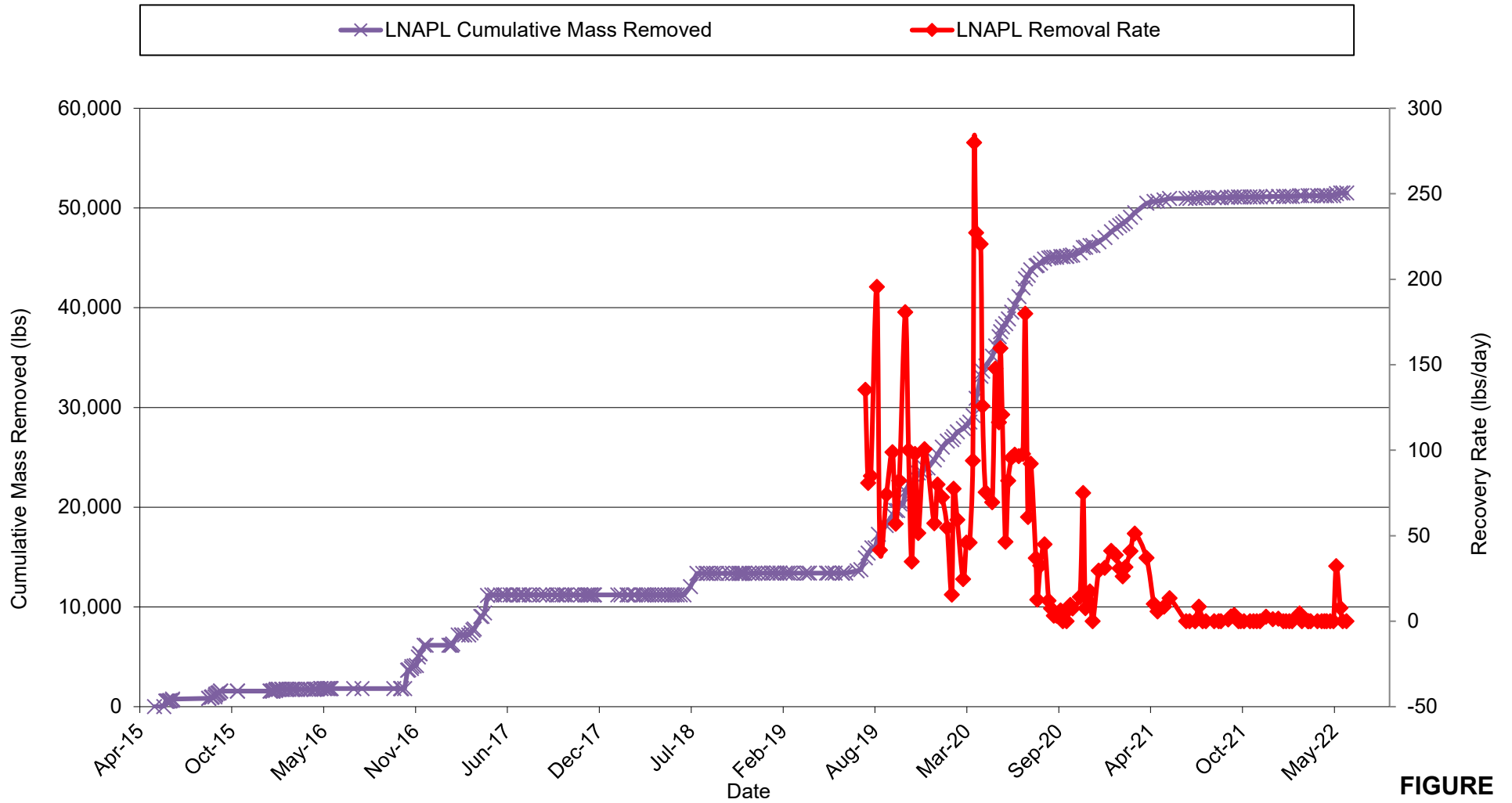
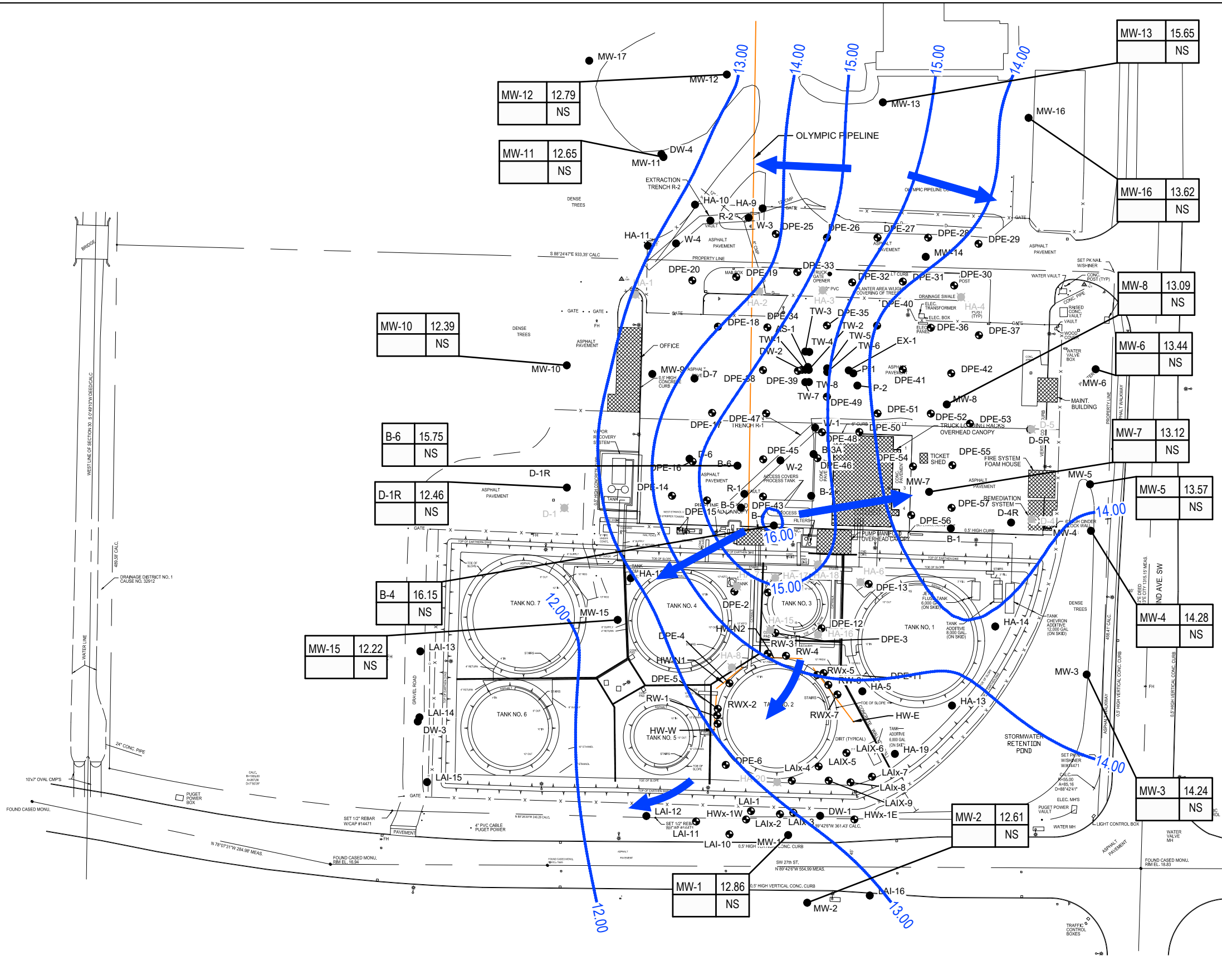


FIGURE 5

Phillips 66 Renton Terminal
 2423 Lind Avenue Southwest
 Renton, Washington



LNAPL MASS REMOVAL VS. TIME



LEGEND

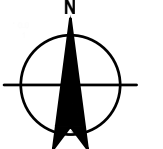
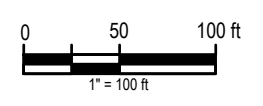
- ABANDONED OR DESTROYED MONITORING WELL LOCATION
- / ● FORMER REMEDIATION WELL LOCATION
- DPE-1 ● VERTICAL RECOVERY WELL (GAUGE ONLY)
- 13.00— GROUNDWATER ELEVATION CONTOUR, DASHED WHERE INFERRED
- ➔ GROUNDWATER FLOW DIRECTION

SAMPLE LOCATION

MW-11	12.65
	NS

GROUNDWATER ELEVATION RESULT (µg/L)

- NOTES:**
- GROUNDWATER ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
 - ALL RESULTS ARE IN MICROGRAMS PER LITER (µg/L) UNLESS OTHERWISE INDICATED.
 - NS = NOT SAMPLED.



PHILLIPS 66 RENTON TERMINAL
 2423 LIND AVENUE SOUTHWEST
 RENTON, WASHINGTON

GROUNDWATER CONTOUR AND CHEMICAL
 CONCENTRATION MAP - INTERMEDIATE WELLS -
 JUNE 9, 2022

Project No. 12572873
 Date July 2022

FIGURE 6

Appendices

Appendix A

O&M Laboratory Analytical Reports

ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-92411-1
Client Project/Site: P66 Renton Terminal AOC 5228 / 12572873

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

Attn: Matt Davis

Vik Patel

Authorized for release by:
4/22/2022 9:38:41 AM

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

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

Job ID: 570-92411-1

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: 570-92411-1

Job ID: 570-92411-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-92411-1

Comments

No additional comments.

Receipt

The samples were received on 4/13/2022 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0° C.

Air Toxics

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

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Detection Summary

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

Job ID: 570-92411-1

Client Sample ID: A-041222-LP-INF

Lab Sample ID: 570-92411-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	170		3.1	ppb v/v	6.25		TO-15	Total/NA
Ethylbenzene	110		3.1	ppb v/v	6.25		TO-15	Total/NA
o-Xylene	150		3.1	ppb v/v	6.25		TO-15	Total/NA
m,p-Xylene	470		13	ppb v/v	6.25		TO-15	Total/NA
Toluene	460		3.1	ppb v/v	6.25		TO-15	Total/NA
Xylenes, Total	620		16	ppb v/v	6.25		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	28		1.0	ppm v/v	1		TO3	Total/NA

Client Sample ID: A-041222-LP-EFF

Lab Sample ID: 570-92411-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2		0.50	ppb v/v	1		TO-15	Total/NA
Toluene	0.95		0.50	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

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

Job ID: 570-92411-1

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

Client Sample ID: A-041222-LP-INF

Date Collected: 04/12/22 12:05

Date Received: 04/13/22 11:30

Sample Container: Summa Canister 1L

Lab Sample ID: 570-92411-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	170		3.1	ppb v/v			04/16/22 12:53	6.25
Ethylbenzene	110		3.1	ppb v/v			04/16/22 12:53	6.25
o-Xylene	150		3.1	ppb v/v			04/16/22 12:53	6.25
m,p-Xylene	470		13	ppb v/v			04/16/22 12:53	6.25
Toluene	460		3.1	ppb v/v			04/16/22 12:53	6.25
Xylenes, Total	620		16	ppb v/v			04/16/22 12:53	6.25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 132		04/16/22 12:53	6.25
4-Bromofluorobenzene (Surr)	114		70 - 130		04/16/22 12:53	6.25
Toluene-d8 (Surr)	89		70 - 130		04/16/22 12:53	6.25

Client Sample ID: A-041222-LP-EFF

Date Collected: 04/12/22 12:00

Date Received: 04/13/22 11:30

Sample Container: Summa Canister 1L

Lab Sample ID: 570-92411-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.2		0.50	ppb v/v			04/16/22 12:13	1
Ethylbenzene	ND		0.50	ppb v/v			04/16/22 12:13	1
o-Xylene	ND		0.50	ppb v/v			04/16/22 12:13	1
m,p-Xylene	ND		2.0	ppb v/v			04/16/22 12:13	1
Toluene	0.95		0.50	ppb v/v			04/16/22 12:13	1
Xylenes, Total	ND		2.5	ppb v/v			04/16/22 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 132		04/16/22 12:13	1
4-Bromofluorobenzene (Surr)	117		70 - 130		04/16/22 12:13	1
Toluene-d8 (Surr)	120		70 - 130		04/16/22 12:13	1

Client Sample Results

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

Job ID: 570-92411-1

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

Client Sample ID: A-041222-LP-INF

Date Collected: 04/12/22 12:05

Date Received: 04/13/22 11:30

Sample Container: Summa Canister 1L

Lab Sample ID: 570-92411-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	28		1.0	ppm v/v			04/14/22 11:39	1

Client Sample ID: A-041222-LP-EFF

Date Collected: 04/12/22 12:00

Date Received: 04/13/22 11:30

Sample Container: Summa Canister 1L

Lab Sample ID: 570-92411-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			04/14/22 10:43	1

Surrogate Summary

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

Job ID: 570-92411-1

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)
570-92411-1	A-041222-LP-INF	98	114	89
570-92411-2	A-041222-LP-EFF	98	117	120
LCS 570-227062/3	Lab Control Sample	97	109	100
LCSD 570-227062/4	Lab Control Sample Dup	97	112	101
MB 570-227062/6	Method Blank	97	121	100

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

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

Job ID: 570-92411-1

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

Lab Sample ID: MB 570-227062/6
Matrix: Air
Analysis Batch: 227062

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			04/16/22 01:27	1
Ethylbenzene	ND		0.50	ppb v/v			04/16/22 01:27	1
o-Xylene	ND		0.50	ppb v/v			04/16/22 01:27	1
m,p-Xylene	ND		2.0	ppb v/v			04/16/22 01:27	1
Toluene	ND		0.50	ppb v/v			04/16/22 01:27	1
Xylenes, Total	ND		2.5	ppb v/v			04/16/22 01:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 132		04/16/22 01:27	1
4-Bromofluorobenzene (Surr)	121		70 - 130		04/16/22 01:27	1
Toluene-d8 (Surr)	100		70 - 130		04/16/22 01:27	1

Lab Sample ID: LCS 570-227062/3
Matrix: Air
Analysis Batch: 227062

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	22.66		ppb v/v		91	68 - 134
Ethylbenzene	25.0	21.31		ppb v/v		85	70 - 130
o-Xylene	25.0	20.57		ppb v/v		82	68 - 130
m,p-Xylene	50.0	41.66		ppb v/v		83	70 - 130
Toluene	25.0	21.17		ppb v/v		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 132
4-Bromofluorobenzene (Surr)	109		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 570-227062/4
Matrix: Air
Analysis Batch: 227062

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	22.75		ppb v/v		91	68 - 134	0	25
Ethylbenzene	25.0	21.88		ppb v/v		88	70 - 130	3	25
o-Xylene	25.0	21.04		ppb v/v		84	68 - 130	2	25
m,p-Xylene	50.0	42.85		ppb v/v		86	70 - 130	3	25
Toluene	25.0	21.98		ppb v/v		88	70 - 130	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 132
4-Bromofluorobenzene (Surr)	112		70 - 130
Toluene-d8 (Surr)	101		70 - 130

QC Sample Results

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

Job ID: 570-92411-1

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

Lab Sample ID: MB 570-226498/3
Matrix: Air
Analysis Batch: 226498

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			04/13/22 18:42	1

Lab Sample ID: LCS 570-226498/2
Matrix: Air
Analysis Batch: 226498

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	108.1		ppm v/v		108	80 - 120

Lab Sample ID: 570-92411-1 DU
Matrix: Air
Analysis Batch: 226498

Client Sample ID: A-041222-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)	28		28.64		ppm v/v		4	20

QC Association Summary

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

Job ID: 570-92411-1

Air - GC/MS VOA

Analysis Batch: 227062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92411-1	A-041222-LP-INF	Total/NA	Air	TO-15	
570-92411-2	A-041222-LP-EFF	Total/NA	Air	TO-15	
MB 570-227062/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-227062/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-227062/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 226498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92411-1	A-041222-LP-INF	Total/NA	Air	TO3	
570-92411-2	A-041222-LP-EFF	Total/NA	Air	TO3	
MB 570-226498/3	Method Blank	Total/NA	Air	TO3	
LCS 570-226498/2	Lab Control Sample	Total/NA	Air	TO3	
570-92411-1 DU	A-041222-LP-INF	Total/NA	Air	TO3	

Lab Chronicle

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

Job ID: 570-92411-1

Client Sample ID: A-041222-LP-INF

Lab Sample ID: 570-92411-1

Date Collected: 04/12/22 12:05

Matrix: Air

Date Received: 04/13/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		6.25	250 mL	250 mL	227062	04/16/22 12:53	QD3U	ECL 4
Instrument ID: GCMSNN										
Total/NA	Analysis	TO3		1	10 mL	10 mL	226498	04/14/22 11:39	I9H5	ECL 4
Instrument ID: GC38										

Client Sample ID: A-041222-LP-EFF

Lab Sample ID: 570-92411-2

Date Collected: 04/12/22 12:00

Matrix: Air

Date Received: 04/13/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	250 mL	250 mL	227062	04/16/22 12:13	QD3U	ECL 4
Instrument ID: GCMSNN										
Total/NA	Analysis	TO3		1	10 mL	10 mL	226498	04/14/22 10:43	I9H5	ECL 4
Instrument ID: GC38										

Laboratory References:

ECL 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: 570-92411-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-31-23
Washington	State	C916-18	10-12-22

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: 570-92411-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ECL 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: 570-92411-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-92411-1	A-041222-LP-INF	Air	04/12/22 12:05	04/13/22 11:30	Air Canister (1-Liter) #LC125
570-92411-2	A-041222-LP-EFF	Air	04/12/22 12:00	04/13/22 11:30	Air Canister (1-Liter) #LC241

- 1
- 2
- 3
- 4
- 5
- 6
- 7
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- 9
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- 11
- 12
- 13
- 14
- 15
- 16

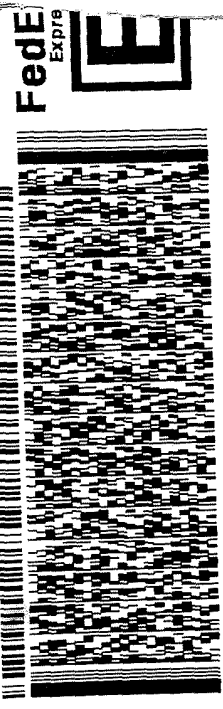
ORIGIN ID:SEAA (281) 389-7025
JOE FEMANDOWSKI
GHD
5725 3RD AVE NE
SEATTLE, WA 98115
UNITED STATES US

SHIP DATE: 12APR22
ACTWGT: 3.80 LB
CAD: 6994952/SSFE2300
DIM3: 12x10x8 IN
BILL THIRD PARTY

TO SAMPLES
EUROFINS CALSCIENCE
2841 DOW AVE STE# 100
STE 100
TUSTIN CA 92780

REF: (716) 896-5494
INVT: PBT

DEPT:



570-92411 Waybill

2 of 2
MPS# 2719 5127 8810
0681
Mstr# 8186 8708 8795

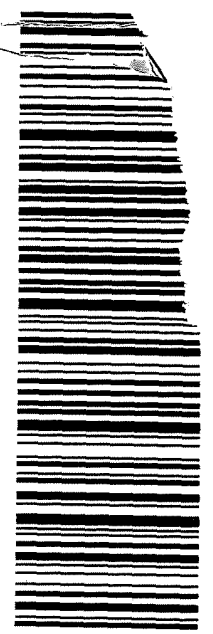
WED - 13 APR 10:30
PRIORITY OVERNIGHT

FedEx 2 of 2
MPS# 2719 5127 8810
0681

WED - 13 APR 10:30
PRIORITY OVERNIGHT

92 DTHA

DSR A
9278
SN
CA-US



- 1
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- 11
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- 14
- 15
- 16

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-92411-1

Login Number: 92411

List Source: Eurofins Calscience

List Number: 1

Creator: Cruise, Noel

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	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	

Summa Canister Dilution Worksheet

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

Job No.: 570-92411-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Final Pressure Gauge ID	Date	Time	Analyst Initials
570-92411-1	1	-29.5	-2	0.99	0.99	-0.09823 08	0.99	0.99		1.00	1.00	air mg6	04/14/22	13:35	I9H5
570-92411-2	1	-29.5	-4	0.87	0.87	-1.96462	0.87	0.87		1.00	1.00	air mg6	04/14/22	13:36	I9H5

Formulae:

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

Where:

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



ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-92298-1
Client Project/Site: P66 Renton Terminal AOC 5228 / 12572873

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

Attn: Matt Davis

Vik Patel

Authorized for release by:
4/26/2022 10:55:10 AM

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

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

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

Job ID: 570-92298-1

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: 570-92298-1

Job ID: 570-92298-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-92298-1

Comments

No additional comments.

Receipt

The samples were received on 4/13/2022 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9° 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 570-228965. 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 570-229117. 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 570-227484. 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: 570-92298-1

Client Sample ID: GW-041222-LP-INF 1

Lab Sample ID: 570-92298-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1000		10	ug/L	20		8260C	Total/NA
Toluene	2300		20	ug/L	20		8260C	Total/NA
o-Xylene	1000		20	ug/L	20		8260C	Total/NA
m,p-Xylene	2300		40	ug/L	20		8260C	Total/NA
Ethylbenzene	410		20	ug/L	20		8260C	Total/NA
Xylenes, Total	3300		40	ug/L	20		8260C	Total/NA
TPH as Gasoline (C4-C13)	12000		1000	ug/L	10		NWTPH-Gx	Total/NA
TPH as Diesel Range	0.73		0.096	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

Client Sample ID: GW-041222-LP-MID 1

Lab Sample ID: 570-92298-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	200		2.0	ug/L	4		8260C	Total/NA
Toluene	69		4.0	ug/L	4		8260C	Total/NA
o-Xylene	15		4.0	ug/L	4		8260C	Total/NA
m,p-Xylene	34		8.0	ug/L	4		8260C	Total/NA
Ethylbenzene	4.4		4.0	ug/L	4		8260C	Total/NA
Xylenes, Total	49		8.0	ug/L	4		8260C	Total/NA
TPH as Gasoline (C4-C13)	420		100	ug/L	1		NWTPH-Gx	Total/NA

Client Sample ID: GW-041222-LP-MID 2

Lab Sample ID: 570-92298-3

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: 570-92298-1

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

Client Sample ID: GW-041222-LP-INF 1

Date Collected: 04/12/22 11:45

Date Received: 04/13/22 11:30

Lab Sample ID: 570-92298-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1000		10	ug/L			04/24/22 21:43	20
Toluene	2300		20	ug/L			04/24/22 21:43	20
o-Xylene	1000		20	ug/L			04/24/22 21:43	20
m,p-Xylene	2300		40	ug/L			04/24/22 21:43	20
Ethylbenzene	410		20	ug/L			04/24/22 21:43	20
Xylenes, Total	3300		40	ug/L			04/24/22 21:43	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 123		04/24/22 21:43	20
4-Bromofluorobenzene (Surr)	101		80 - 120		04/24/22 21:43	20
Dibromofluoromethane (Surr)	98		78 - 120		04/24/22 21:43	20
Toluene-d8 (Surr)	104		80 - 120		04/24/22 21:43	20

Client Sample ID: GW-041222-LP-MID 1

Date Collected: 04/12/22 11:30

Date Received: 04/13/22 11:30

Lab Sample ID: 570-92298-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	200		2.0	ug/L			04/24/22 22:10	4
Toluene	69		4.0	ug/L			04/24/22 22:10	4
o-Xylene	15		4.0	ug/L			04/24/22 22:10	4
m,p-Xylene	34		8.0	ug/L			04/24/22 22:10	4
Ethylbenzene	4.4		4.0	ug/L			04/24/22 22:10	4
Xylenes, Total	49		8.0	ug/L			04/24/22 22:10	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 123		04/24/22 22:10	4
4-Bromofluorobenzene (Surr)	101		80 - 120		04/24/22 22:10	4
Dibromofluoromethane (Surr)	99		78 - 120		04/24/22 22:10	4
Toluene-d8 (Surr)	103		80 - 120		04/24/22 22:10	4

Client Sample ID: GW-041222-LP-MID 2

Date Collected: 04/12/22 11:15

Date Received: 04/13/22 11:30

Lab Sample ID: 570-92298-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			04/25/22 20:04	1
Toluene	ND		1.0	ug/L			04/25/22 20:04	1
o-Xylene	ND		1.0	ug/L			04/25/22 20:04	1
m,p-Xylene	ND		2.0	ug/L			04/25/22 20:04	1
Ethylbenzene	ND		1.0	ug/L			04/25/22 20:04	1
Xylenes, Total	ND		2.0	ug/L			04/25/22 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 123		04/25/22 20:04	1
4-Bromofluorobenzene (Surr)	95		80 - 120		04/25/22 20:04	1
Dibromofluoromethane (Surr)	103		78 - 120		04/25/22 20:04	1
Toluene-d8 (Surr)	95		80 - 120		04/25/22 20:04	1

Client Sample Results

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

Job ID: 570-92298-1

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

Client Sample ID: GW-041222-LP-INF 1

Date Collected: 04/12/22 11:45

Date Received: 04/13/22 11:30

Lab Sample ID: 570-92298-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	12000		1000	ug/L			04/19/22 00:13	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		50 - 150				04/19/22 00:13	10

Client Sample ID: GW-041222-LP-MID 1

Date Collected: 04/12/22 11:30

Date Received: 04/13/22 11:30

Lab Sample ID: 570-92298-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	420		100	ug/L			04/18/22 14:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		50 - 150				04/18/22 14:07	1

Client Sample ID: GW-041222-LP-MID 2

Date Collected: 04/12/22 11:15

Date Received: 04/13/22 11:30

Lab Sample ID: 570-92298-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			04/18/22 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		50 - 150				04/18/22 13:43	1

Client Sample Results

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

Job ID: 570-92298-1

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

Client Sample ID: GW-041222-LP-INF 1
Date Collected: 04/12/22 11:45
Date Received: 04/13/22 11:30

Lab Sample ID: 570-92298-1
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.73		0.096	mg/L	-	04/18/22 15:24	04/18/22 21:35	1
TPH as Motor Oil Range	ND		0.096	mg/L	-	04/18/22 15:24	04/18/22 21:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	101		50 - 150			04/18/22 15:24	04/18/22 21:35	1

Client Sample ID: GW-041222-LP-MID 1
Date Collected: 04/12/22 11:30
Date Received: 04/13/22 11:30

Lab Sample ID: 570-92298-2
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.093	mg/L	-	04/18/22 15:24	04/18/22 21:56	1
TPH as Motor Oil Range	ND		0.093	mg/L	-	04/18/22 15:24	04/18/22 21:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	82		50 - 150			04/18/22 15:24	04/18/22 21:56	1

Client Sample ID: GW-041222-LP-MID 2
Date Collected: 04/12/22 11:15
Date Received: 04/13/22 11:30

Lab Sample ID: 570-92298-3
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.094	mg/L	-	04/18/22 15:24	04/18/22 22:17	1
TPH as Motor Oil Range	ND		0.094	mg/L	-	04/18/22 15:24	04/18/22 22:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	95		50 - 150			04/18/22 15:24	04/18/22 22:17	1

Surrogate Summary

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

Job ID: 570-92298-1

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)
570-92298-1	GW-041222-LP-INF 1	90	101	98	104
570-92298-2	GW-041222-LP-MID 1	91	101	99	103
570-92298-3	GW-041222-LP-MID 2	98	95	103	95
LCS 570-228965/4	Lab Control Sample	97	102	99	100
LCS 570-229117/3	Lab Control Sample	101	97	101	97
LCSD 570-228965/5	Lab Control Sample Dup	97	101	101	100
LCSD 570-229117/4	Lab Control Sample Dup	101	94	101	95
MB 570-228965/8	Method Blank	93	104	99	103
MB 570-229117/7	Method Blank	96	93	102	95

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)
570-92298-1	GW-041222-LP-INF 1	82
570-92298-2	GW-041222-LP-MID 1	77
570-92298-3	GW-041222-LP-MID 2	68
LCS 570-227353/3	Lab Control Sample	84
LCSD 570-227353/4	Lab Control Sample Dup	82
MB 570-227353/5	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)
570-92298-1	GW-041222-LP-INF 1	101
570-92298-2	GW-041222-LP-MID 1	82
570-92298-3	GW-041222-LP-MID 2	95
LCS 570-227484/2-A	Lab Control Sample	99
LCSD 570-227484/3-A	Lab Control Sample Dup	102
MB 570-227484/1-A	Method Blank	95

Surrogate Legend
 OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 570-92298-1

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

Lab Sample ID: MB 570-228965/8
Matrix: Water
Analysis Batch: 228965

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			04/24/22 14:13	1
Toluene	ND		1.0	ug/L			04/24/22 14:13	1
o-Xylene	ND		1.0	ug/L			04/24/22 14:13	1
m,p-Xylene	ND		2.0	ug/L			04/24/22 14:13	1
Ethylbenzene	ND		1.0	ug/L			04/24/22 14:13	1
Xylenes, Total	ND		2.0	ug/L			04/24/22 14:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 123		04/24/22 14:13	1
4-Bromofluorobenzene (Surr)	104		80 - 120		04/24/22 14:13	1
Dibromofluoromethane (Surr)	99		78 - 120		04/24/22 14:13	1
Toluene-d8 (Surr)	103		80 - 120		04/24/22 14:13	1

Lab Sample ID: LCS 570-228965/4
Matrix: Water
Analysis Batch: 228965

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	20.76		ug/L		104	76 - 120
Toluene	20.0	20.82		ug/L		104	76 - 120
o-Xylene	20.0	21.23		ug/L		106	80 - 121
m,p-Xylene	40.0	40.88		ug/L		102	74 - 122
Ethylbenzene	20.0	21.11		ug/L		106	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 123
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	99		78 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-228965/5
Matrix: Water
Analysis Batch: 228965

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	20.17		ug/L		101	76 - 120	3	20
Toluene	20.0	20.14		ug/L		101	76 - 120	3	20
o-Xylene	20.0	20.78		ug/L		104	80 - 121	2	20
m,p-Xylene	40.0	39.96		ug/L		100	74 - 122	2	20
Ethylbenzene	20.0	20.28		ug/L		101	80 - 120	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 123
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		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: 570-92298-1

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

Lab Sample ID: MB 570-229117/7
Matrix: Water
Analysis Batch: 229117

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			04/25/22 14:49	1
Toluene	ND		1.0	ug/L			04/25/22 14:49	1
o-Xylene	ND		1.0	ug/L			04/25/22 14:49	1
m,p-Xylene	ND		2.0	ug/L			04/25/22 14:49	1
Ethylbenzene	ND		1.0	ug/L			04/25/22 14:49	1
Xylenes, Total	ND		2.0	ug/L			04/25/22 14:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 123		04/25/22 14:49	1
4-Bromofluorobenzene (Surr)	93		80 - 120		04/25/22 14:49	1
Dibromofluoromethane (Surr)	102		78 - 120		04/25/22 14:49	1
Toluene-d8 (Surr)	95		80 - 120		04/25/22 14:49	1

Lab Sample ID: LCS 570-229117/3
Matrix: Water
Analysis Batch: 229117

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	18.91		ug/L		95	76 - 120
Toluene	20.0	18.80		ug/L		94	76 - 120
o-Xylene	20.0	18.54		ug/L		93	80 - 121
m,p-Xylene	40.0	34.59		ug/L		86	74 - 122
Ethylbenzene	20.0	17.58		ug/L		88	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 123
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	101		78 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 570-229117/4
Matrix: Water
Analysis Batch: 229117

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	19.00		ug/L		95	76 - 120	0	20
Toluene	20.0	18.64		ug/L		93	76 - 120	1	20
o-Xylene	20.0	18.22		ug/L		91	80 - 121	2	20
m,p-Xylene	40.0	35.26		ug/L		88	74 - 122	2	20
Ethylbenzene	20.0	17.73		ug/L		89	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 123
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	101		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: 570-92298-1

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

Lab Sample ID: MB 570-227353/5
Matrix: Water
Analysis Batch: 227353

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			04/18/22 11:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		50 - 150				04/18/22 11:56	1

Lab Sample ID: LCS 570-227353/3
Matrix: Water
Analysis Batch: 227353

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)	1970	1551		ug/L		79	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	84		50 - 150				

Lab Sample ID: LCSD 570-227353/4
Matrix: Water
Analysis Batch: 227353

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)	1970	1675		ug/L		85	76 - 128	8	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	82		50 - 150						

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

Lab Sample ID: MB 570-227484/1-A
Matrix: Water
Analysis Batch: 227526

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 227484

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		04/18/22 15:24	04/18/22 19:26	1
TPH as Motor Oil Range	ND		0.10	mg/L		04/18/22 15:24	04/18/22 19:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	95		50 - 150			04/18/22 15:24	04/18/22 19:26	1

Lab Sample ID: LCS 570-227484/2-A
Matrix: Water
Analysis Batch: 227526

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 227484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	4.134		mg/L		103	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	99		50 - 150				

Eurofins Calscience

QC Sample Results

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

Job ID: 570-92298-1

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

Lab Sample ID: LCSD 570-227484/3-A
Matrix: Water
Analysis Batch: 227526

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 227484

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	4.212		mg/L		105	68 - 120	2	20
Surrogate									
	<i>LCSD</i>	<i>LCSD</i>					<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>							102		50 - 150

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QC Association Summary

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

Job ID: 570-92298-1

GC/MS VOA

Analysis Batch: 228965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92298-1	GW-041222-LP-INF 1	Total/NA	Water	8260C	
570-92298-2	GW-041222-LP-MID 1	Total/NA	Water	8260C	
MB 570-228965/8	Method Blank	Total/NA	Water	8260C	
LCS 570-228965/4	Lab Control Sample	Total/NA	Water	8260C	
LCS 570-228965/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 229117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92298-3	GW-041222-LP-MID 2	Total/NA	Water	8260C	
MB 570-229117/7	Method Blank	Total/NA	Water	8260C	
LCS 570-229117/3	Lab Control Sample	Total/NA	Water	8260C	
LCS 570-229117/4	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 227353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92298-1	GW-041222-LP-INF 1	Total/NA	Water	NWTPH-Gx	
570-92298-2	GW-041222-LP-MID 1	Total/NA	Water	NWTPH-Gx	
570-92298-3	GW-041222-LP-MID 2	Total/NA	Water	NWTPH-Gx	
MB 570-227353/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-227353/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCS 570-227353/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 227484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92298-1	GW-041222-LP-INF 1	Silica Gel Cleanup	Water	3510C SGC	
570-92298-2	GW-041222-LP-MID 1	Silica Gel Cleanup	Water	3510C SGC	
570-92298-3	GW-041222-LP-MID 2	Silica Gel Cleanup	Water	3510C SGC	
MB 570-227484/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-227484/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-227484/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 227526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92298-1	GW-041222-LP-INF 1	Silica Gel Cleanup	Water	NWTPH-Dx	227484
570-92298-2	GW-041222-LP-MID 1	Silica Gel Cleanup	Water	NWTPH-Dx	227484
570-92298-3	GW-041222-LP-MID 2	Silica Gel Cleanup	Water	NWTPH-Dx	227484
MB 570-227484/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	227484
LCS 570-227484/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	227484
LCS 570-227484/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	227484

Lab Chronicle

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

Job ID: 570-92298-1

Client Sample ID: GW-041222-LP-INF 1

Lab Sample ID: 570-92298-1

Date Collected: 04/12/22 11:45

Matrix: Water

Date Received: 04/13/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	5 mL	5 mL	228965	04/24/22 21:43	N1A	ECL 4
Instrument ID: GCMSW										
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	227353	04/19/22 00:13	P1R	ECL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			260.7 mL	2.5 mL	227484	04/18/22 15:24	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			227526	04/18/22 21:35	N5Y3	ECL 4
Instrument ID: GC48										

Client Sample ID: GW-041222-LP-MID 1

Lab Sample ID: 570-92298-2

Date Collected: 04/12/22 11:30

Matrix: Water

Date Received: 04/13/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	5 mL	5 mL	228965	04/24/22 22:10	N1A	ECL 4
Instrument ID: GCMSW										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	227353	04/18/22 14:07	P1R	ECL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			268.1 mL	2.5 mL	227484	04/18/22 15:24	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			227526	04/18/22 21:56	N5Y3	ECL 4
Instrument ID: GC48										

Client Sample ID: GW-041222-LP-MID 2

Lab Sample ID: 570-92298-3

Date Collected: 04/12/22 11:15

Matrix: Water

Date Received: 04/13/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	229117	04/25/22 20:04	DU6U	ECL 4
Instrument ID: GCMSJJ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	227353	04/18/22 13:43	P1R	ECL 4
Instrument ID: GC1										
Silica Gel Cleanup	Prep	3510C SGC			265 mL	2.5 mL	227484	04/18/22 15:24	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			227526	04/18/22 22:17	N5Y3	ECL 4
Instrument ID: GC48										

Laboratory References:

ECL 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: 570-92298-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-31-23
Washington	State	C916-18	10-12-22

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Method Summary

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

Job ID: 570-92298-1

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

ECL 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: 570-92298-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-92298-1	GW-041222-LP-INF 1	Water	04/12/22 11:45	04/13/22 11:30
570-92298-2	GW-041222-LP-MID 1	Water	04/12/22 11:30	04/13/22 11:30
570-92298-3	GW-041222-LP-MID 2	Water	04/12/22 11:15	04/13/22 11:30

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92298



Calscience

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494
 For courier service / sample drop off information, contact us@eurofins.com or call us
 LABORATORY CLIENT: GHD Services Inc



570-92298 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE 4-12-22
 PAGE 1 OF 1

CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464
 P.O. NO: 11226464-2021-04
 PROJECT CONTACT: Eric Wise 425-563-3200 / Matt Davis 253-507-6217
 SAMPLER(S) (PRINT): LUCA PISCITELLO
 Joe Lewandowski

ADDRESS: 9725 3rd Avenue NE Ste 204
 CITY: Seattle STATE: WA ZIP: 98115
 TEL: 253-507-6217 E-MAIL: matthew.davis@ghd

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

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

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO OF CONT	LOG CODE			Field Filled	BTEX (8260)	GRO (NWTPH-Gx)	DRO/RO (NWTPH-Dx)	Oil & Grease (1664)	Requested Analytes
		DATE	TIME			Unpreserved	Preserved	Please check box or fill in blank as needed						
1	GW-041222 -LP - INF 1	4/12/22	1145	GW	8		X		X	X	X			
2	GW-041222 -LP - MID 1	4/12/22	1130	GW	8		X		X	X	X			
3	GW-041222 -LP - MID 2	4/12/22	1115	GW	8		X		X	X	X			
	GW-041222 -EEE			GW			X		X	X	X			Lab composite
	GW-041222 -EFF 1			GW			X		X	X	X			Lab composite
	GW-041222 -EFF 2			GW			X		X	X	X			Lab composite
	GW-041222 -EFF 3			GW			X		X	X	X			Lab composite
	GW-041222 -EFF 4			GW			X		X	X	X			Lab composite
	GW-041222 -EFF 5			GW			X		X	X	X			Lab composite
	GW-041222 -EFF 6			GW			X		X	X	X			Lab composite
	GW-041222 -EFF 7			GW			X		X	X	X			Lab composite

Relinquished by: (Signature) [Signature] Date: 4/13/22 Time: 11:30
 Received by: (Signature/Affiliation) [Signature] Date: 4/13/22 Time: 11:30
 Relinquished by: (Signature) [Signature] Date: 4-12-22
 Received by: (Signature/Affiliation) [Signature] Date: 4-12-22
 Relinquished by: (Signature) [Signature] Date: 4-12-22
 Received by: (Signature/Affiliation) [Signature] Date: 4-12-22

1-2/2-9 IR 92



92298

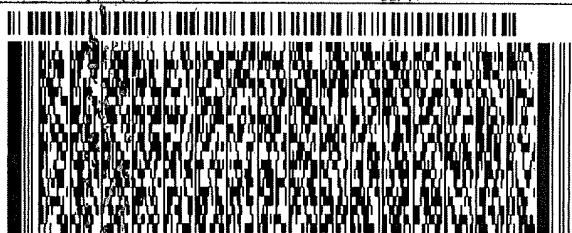


570-92298 Waybill

ORIGIN ID: SEAA (281) 389-7025 JOE E WANDOWSKI GHD 9725 3RD AVE NE SEATTLE, WA 98115 UNITED STATES US	SHIP DATE: 12APR22 ACTWGT: 45.80 LB CAD: 6994952/SSFE2300 DIMS: 23x13x18 IN BILL THIRD PARTY	Part #: 135297 10/22
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TO **SAMPLES**
EUROFINS CALSCIENCE
2841 DOW AVE STE# 100
STE 100
TUSTIN CA 92780

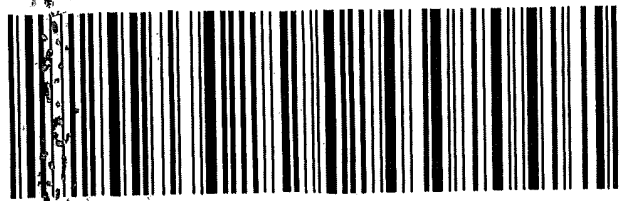
(718) 895-5494 REF:
 INVT DEPT:



FedEx 1 of 2
 TRK# 8166 8708 8795
 0200
 ## MASTER ##

WED - 13 APR 10:30A
 PRIORITY OVERNIGHT
 DSR AH
 92780
 CA-US SNA

92 DTHA



56DJ2/BDP/FE4A

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Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-92298-1

Login Number: 92298

List Source: Eurofins Calscience

List Number: 1

Creator: Patel, Jayesh

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



ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-92295-1

Client Project/Site: P66 Renton Terminal AOC 5228 / 12572873

For:

GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Attn: Matt Davis

Vik Patel

Authorized for release by:
4/26/2022 10:52:43 AM

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

LINKS

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results through
TotalAccess

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

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

Job ID: 570-92295-1

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: 570-92295-1

Job ID: 570-92295-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-92295-1

Comments

No additional comments.

Receipt

The samples were received on 4/13/2022 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9° 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 570-227728. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

GC VOA

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

GC Semi VOA

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

Metals

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

Organic Prep

Method 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-227129. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. (Method 1664.)

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-227484. 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: 570-92295-1

Client Sample ID: GW-041222-LP-EFF

Lab Sample ID: 570-92295-1

No Detections.

Client Sample ID: GW-041222-LP-EFF 1,2,3,4

Lab Sample ID: 570-92295-9

No Detections.

Client Sample ID: GW-041222-LP-EFF 5,6,7

Lab Sample ID: 570-92295-10

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: 570-92295-1

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

Client Sample ID: GW-041222-LP-EFF 1,2,3,4

Date Collected: 04/12/22 00:00

Date Received: 04/13/22 11:30

Lab Sample ID: 570-92295-9

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			04/20/22 01:02	1
Toluene	ND		1.0	ug/L			04/20/22 01:02	1
o-Xylene	ND		1.0	ug/L			04/20/22 01:02	1
m,p-Xylene	ND		2.0	ug/L			04/20/22 01:02	1
Ethylbenzene	ND		1.0	ug/L			04/20/22 01:02	1
Xylenes, Total	ND		2.0	ug/L			04/20/22 01:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 123		04/20/22 01:02	1
4-Bromofluorobenzene (Surr)	96		80 - 120		04/20/22 01:02	1
Dibromofluoromethane (Surr)	106		78 - 120		04/20/22 01:02	1
Toluene-d8 (Surr)	100		80 - 120		04/20/22 01:02	1

Client Sample Results

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

Job ID: 570-92295-1

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

Client Sample ID: GW-041222-LP-EFF 1,2,3,4

Date Collected: 04/12/22 00:00

Date Received: 04/13/22 11:30

Lab Sample ID: 570-92295-9

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			04/19/22 01:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		50 - 150				04/19/22 01:00	1

Client Sample Results

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

Job ID: 570-92295-1

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

Client Sample ID: GW-041222-LP-EFF

Lab Sample ID: 570-92295-1

Date Collected: 04/12/22 10:15

Matrix: Water

Date Received: 04/13/22 11:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.095	mg/L		04/18/22 15:24	04/18/22 21:13	1
TPH as Motor Oil Range	ND		0.095	mg/L		04/18/22 15:24	04/18/22 21:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	90		50 - 150			04/18/22 15:24	04/18/22 21:13	1

Client Sample Results

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

Job ID: 570-92295-1

General Chemistry

Client Sample ID: GW-041222-LP-EFF 5,6,7

Date Collected: 04/12/22 00:00

Date Received: 04/13/22 11:30

Lab Sample ID: 570-92295-10

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		0.947	mg/L		04/15/22 17:39	04/15/22 17:39	1

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Surrogate Summary

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

Job ID: 570-92295-1

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)
570-92295-9	GW-041222-LP-EFF 1,2,3,4	100	96	106	100
LCS 570-227728/4	Lab Control Sample	95	94	102	101
LCSD 570-227728/5	Lab Control Sample Dup	92	93	100	101
MB 570-227728/8	Method Blank	92	91	102	101

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-92295-9	GW-041222-LP-EFF 1,2,3,4	71
LCS 570-227353/3	Lab Control Sample	84
LCSD 570-227353/4	Lab Control Sample Dup	82
MB 570-227353/5	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)
570-92295-1	GW-041222-LP-EFF	90
LCS 570-227484/2-A	Lab Control Sample	99
LCSD 570-227484/3-A	Lab Control Sample Dup	102
MB 570-227484/1-A	Method Blank	95

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 570-92295-1

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

Lab Sample ID: MB 570-227728/8
Matrix: Water
Analysis Batch: 227728

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			04/19/22 16:43	1
Toluene	ND		1.0	ug/L			04/19/22 16:43	1
o-Xylene	ND		1.0	ug/L			04/19/22 16:43	1
m,p-Xylene	ND		2.0	ug/L			04/19/22 16:43	1
Ethylbenzene	ND		1.0	ug/L			04/19/22 16:43	1
Xylenes, Total	ND		2.0	ug/L			04/19/22 16:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 123		04/19/22 16:43	1
4-Bromofluorobenzene (Surr)	91		80 - 120		04/19/22 16:43	1
Dibromofluoromethane (Surr)	102		78 - 120		04/19/22 16:43	1
Toluene-d8 (Surr)	101		80 - 120		04/19/22 16:43	1

Lab Sample ID: LCS 570-227728/4
Matrix: Water
Analysis Batch: 227728

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	49.85		ug/L		100	76 - 120
Toluene	50.0	51.93		ug/L		104	76 - 120
o-Xylene	50.0	44.24		ug/L		88	80 - 121
m,p-Xylene	100	97.23		ug/L		97	74 - 122
Ethylbenzene	50.0	46.68		ug/L		93	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 123
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	102		78 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-227728/5
Matrix: Water
Analysis Batch: 227728

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	50.0	49.50		ug/L		99	76 - 120	1	20
Toluene	50.0	51.66		ug/L		103	76 - 120	1	20
o-Xylene	50.0	43.31		ug/L		87	80 - 121	2	20
m,p-Xylene	100	96.03		ug/L		96	74 - 122	1	20
Ethylbenzene	50.0	46.28		ug/L		93	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 123
4-Bromofluorobenzene (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	100		78 - 120
Toluene-d8 (Surr)	101		80 - 120

QC Sample Results

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

Job ID: 570-92295-1

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

Lab Sample ID: MB 570-227353/5
Matrix: Water
Analysis Batch: 227353

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			04/18/22 11:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		50 - 150				04/18/22 11:56	1

Lab Sample ID: LCS 570-227353/3
Matrix: Water
Analysis Batch: 227353

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)	1970	1551		ug/L		79	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	84		50 - 150				

Lab Sample ID: LCSD 570-227353/4
Matrix: Water
Analysis Batch: 227353

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)	1970	1675		ug/L		85	76 - 128	8	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	82		50 - 150						

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

Lab Sample ID: MB 570-227484/1-A
Matrix: Water
Analysis Batch: 227526

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 227484

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		04/18/22 15:24	04/18/22 19:26	1
TPH as Motor Oil Range	ND		0.10	mg/L		04/18/22 15:24	04/18/22 19:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	95		50 - 150			04/18/22 15:24	04/18/22 19:26	1

Lab Sample ID: LCS 570-227484/2-A
Matrix: Water
Analysis Batch: 227526

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 227484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	4.134		mg/L		103	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	99		50 - 150				

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QC Sample Results

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

Job ID: 570-92295-1

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

Lab Sample ID: LCSD 570-227484/3-A
Matrix: Water
Analysis Batch: 227526

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 227484

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	4.212		mg/L		105	68 - 120	2	20
Surrogate	%Recovery	LCSD Qualifier	LCSD	Limits					
<i>n-Octacosane (Surr)</i>	102			50 - 150					

Method: 1664A - Oil and Grease

Lab Sample ID: MB 570-227129/1-A
Matrix: Water
Analysis Batch: 227711

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 227129

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		1.00	mg/L		04/15/22 17:39	04/15/22 17:39	1

Lab Sample ID: LCS 570-227129/2-A
Matrix: Water
Analysis Batch: 227711

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	39.20		mg/L		98	78 - 114

Lab Sample ID: LCSD 570-227129/3-A
Matrix: Water
Analysis Batch: 227711

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 227129

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Oil & Grease	40.0	34.60		mg/L		87	78 - 114	12	18

QC Association Summary

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

Job ID: 570-92295-1

GC/MS VOA

Analysis Batch: 227728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92295-9	GW-041222-LP-EFF 1,2,3,4	Total/NA	Water	8260C	
MB 570-227728/8	Method Blank	Total/NA	Water	8260C	
LCS 570-227728/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-227728/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 227353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92295-9	GW-041222-LP-EFF 1,2,3,4	Total/NA	Water	NWTPH-Gx	
MB 570-227353/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-227353/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-227353/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 227484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92295-1	GW-041222-LP-EFF	Silica Gel Cleanup	Water	3510C SGC	
MB 570-227484/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-227484/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-227484/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 227526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92295-1	GW-041222-LP-EFF	Silica Gel Cleanup	Water	NWTPH-Dx	227484
MB 570-227484/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	227484
LCS 570-227484/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	227484
LCSD 570-227484/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	227484

General Chemistry

Prep Batch: 227129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92295-10	GW-041222-LP-EFF 5,6,7	Total/NA	Water	1664A	
MB 570-227129/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-227129/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-227129/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 227711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-92295-10	GW-041222-LP-EFF 5,6,7	Total/NA	Water	1664A	227129
MB 570-227129/1-A	Method Blank	Total/NA	Water	1664A	227129
LCS 570-227129/2-A	Lab Control Sample	Total/NA	Water	1664A	227129
LCSD 570-227129/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	227129

Lab Chronicle

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

Job ID: 570-92295-1

Client Sample ID: GW-041222-LP-EFF

Lab Sample ID: 570-92295-1

Date Collected: 04/12/22 10:15

Matrix: Water

Date Received: 04/13/22 11:30

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			262.3 mL	2.5 mL	227484	04/18/22 15:24	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			227526	04/18/22 21:13	N5Y3	ECL 4
Instrument ID: GC48										

Client Sample ID: GW-041222-LP-EFF 1,2,3,4

Lab Sample ID: 570-92295-9

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/13/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	227728	04/20/22 01:02	OH1	ECL 4
Instrument ID: GCMSJJ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	227353	04/19/22 01:00	P1R	ECL 4
Instrument ID: GC1										

Client Sample ID: GW-041222-LP-EFF 5,6,7

Lab Sample ID: 570-92295-10

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/13/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1056 mL	1000 mL	227129	04/15/22 17:39	UWEZ	ECL 4
Total/NA	Analysis	1664A		1			227711	04/15/22 17:39	USUL	ECL 4
Instrument ID: NOEQUIP										

Laboratory References:

ECL 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: 570-92295-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-31-23
Washington	State	C916-18	10-12-22

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Method Summary

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

Job ID: 570-92295-1

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

ECL 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: 570-92295-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-92295-1	GW-041222-LP-EFF	Water	04/12/22 10:15	04/13/22 11:30
570-92295-9	GW-041222-LP-EFF 1,2,3,4	Water	04/12/22 00:00	04/13/22 11:30
570-92295-10	GW-041222-LP-EFF 5,6,7	Water	04/12/22 00:00	04/13/22 11:30

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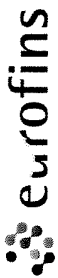
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Calscience

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 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 253-507-6217

E-MAIL

matthew.davis@ghd

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

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF

GLOBAL ID

LOG CODE

SPECIAL INSTRUCTIONS

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

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO OF CONT	LOG CODE		
		DATE	TIME			Unpreserved	Preserved	Field Filtered
	GW-041222-LP-EFF 1	4-12-22	1015	GW	2	X	X	X
	GW-041222-LP-EFF 2		1015	GW	2	X	X	X
	GW-041222-LP-EFF 3		1030	GW	2	X	X	X
	GW-041222-LP-EFF 4		1045	GW	2	X	X	X
	GW-041222-LP-EFF 5		1100	GW	2	X	X	X
	GW-041222-LP-EFF 6		1015	GW	1	X	X	X
	GW-041222-LP-EFF 7		1030	GW	1	X	X	X
	GW-041222-LP-EFF 8		1045	GW	1	X	X	X

Relinquished by (Signature)

Matthew Davis GHD 1234 04-12-22

Relinquished by (Signature)

Matthew Davis GHD 1234 04-12-22

Relinquished by (Signature)

Matthew Davis GHD 1234 04-12-22

CHAIN OF CUSTODY RECORD

DATE 4-12-22

PAGE 1 OF 1



570-92295 Chain of Custody

CLIENT PROJECT NAME/NUMBER

P66 Renton Terminal AOC 5228 / 11226464

P.O. NO.

11226464-2021-04

PROJECT CONTACT

Eric Manser 425-563-3200
 Matt Davis 253-507-6217

SAMPLER(S) (PRINT)

LUCA PISCITELLO
 Joe Lewandowski

REQUESTED ANALYSES

Please check box or fill in blank as needed

Oil & Grease (1664)	BTEX (8260)	GRO (NWTFH-GX)	DRO/ORO (NWTFH-DX)	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite

Received by (Signature/Affiliation)

Matthew Davis GHD 4/12/22 11:30

Received by (Signature/Affiliation)

Matthew Davis GHD 4/12/22 11:30

Received by (Signature/Affiliation)

Matthew Davis GHD 4/12/22 11:30

1-21-2019 8/25/21 Revision



92295



570-92295 Waybill

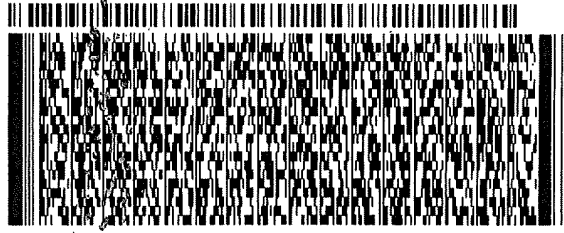
ORIGIN ID: SEAA (281) 389-7025
JOE E WANDOWSKI
GHD
9725 3RD AVE NE
SEATTLE, WA 98115
UNITED STATES US

SHIP DATE: 12APR22
ACTWGT: 45.80 LB
CAD: 6994952/SSFE2300
DIMS: 23x13x13 IN
BILL THIRD PARTY

Part #: 158297-883444495-EXP-10/22

TO **SAMPLES**
EUROFINS CALSCIENCE
2841 DOW AVE STE# 100
STE 100
TUSTIN CA 92780

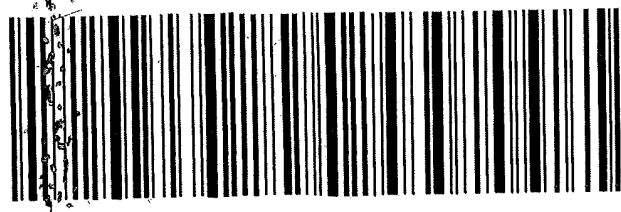
(718) 896-5494 REF:
INVT DEPT:



FedEx 1 of 2
TRK# 8166 8708 8795
0200
MASTER

WED - 13 APR 10:30A
PRIORITY OVERNIGHT
DSR AHS
92780
CA-US SNA

92 DTHA



56DJ2/BDP/FE4A

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Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-92295-1

Login Number: 92295
List Number: 1
Creator: Patel, Jayesh

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	



ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-95772-1

Client Project/Site: P66 Renton Terminal AOC 5228 / 12572873

For:

GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Attn: Matt Davis

Vikas Patel

Authorized for release by:
5/18/2022 11:31:04 AM

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

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

Job ID: 570-95772-1

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: 570-95772-1

Job ID: 570-95772-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-95772-1

Comments

No additional comments.

Receipt

The samples were received on 5/11/2022 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0° C.

Air Toxics

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

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Detection Summary

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

Job ID: 570-95772-1

Client Sample ID: A-051022-LP-INF

Lab Sample ID: 570-95772-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	58		6.3	ppb v/v	12.5		TO-15	Total/NA
Ethylbenzene	74		6.3	ppb v/v	12.5		TO-15	Total/NA
o-Xylene	160		6.3	ppb v/v	12.5		TO-15	Total/NA
m,p-Xylene	420		25	ppb v/v	12.5		TO-15	Total/NA
Toluene	220		6.3	ppb v/v	12.5		TO-15	Total/NA
Xylenes, Total	580		31	ppb v/v	12.5		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	10		1.0	ppm v/v	1		TO3	Total/NA

Client Sample ID: A-051022-LP-EFF

Lab Sample ID: 570-95772-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	0.70		0.50	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	2.3		2.0	ppb v/v	1		TO-15	Total/NA
Toluene	0.67		0.50	ppb v/v	1		TO-15	Total/NA
Xylenes, Total	3.0		2.5	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

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

Job ID: 570-95772-1

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

Client Sample ID: A-051022-LP-INF

Date Collected: 05/10/22 12:05

Date Received: 05/11/22 09:50

Sample Container: Summa Canister 1L

Lab Sample ID: 570-95772-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	58		6.3	ppb v/v			05/16/22 02:51	12.5
Ethylbenzene	74		6.3	ppb v/v			05/16/22 02:51	12.5
o-Xylene	160		6.3	ppb v/v			05/16/22 02:51	12.5
m,p-Xylene	420		25	ppb v/v			05/16/22 02:51	12.5
Toluene	220		6.3	ppb v/v			05/16/22 02:51	12.5
Xylenes, Total	580		31	ppb v/v			05/16/22 02:51	12.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 132		05/16/22 02:51	12.5
4-Bromofluorobenzene (Surr)	103		70 - 130		05/16/22 02:51	12.5
Toluene-d8 (Surr)	97		70 - 130		05/16/22 02:51	12.5

Client Sample ID: A-051022-LP-EFF

Date Collected: 05/10/22 12:00

Date Received: 05/11/22 09:50

Sample Container: Summa Canister 1L

Lab Sample ID: 570-95772-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			05/16/22 02:09	1
Ethylbenzene	ND		0.50	ppb v/v			05/16/22 02:09	1
o-Xylene	0.70		0.50	ppb v/v			05/16/22 02:09	1
m,p-Xylene	2.3		2.0	ppb v/v			05/16/22 02:09	1
Toluene	0.67		0.50	ppb v/v			05/16/22 02:09	1
Xylenes, Total	3.0		2.5	ppb v/v			05/16/22 02:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 132		05/16/22 02:09	1
4-Bromofluorobenzene (Surr)	104		70 - 130		05/16/22 02:09	1
Toluene-d8 (Surr)	101		70 - 130		05/16/22 02:09	1

Client Sample Results

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

Job ID: 570-95772-1

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

Client Sample ID: A-051022-LP-INF

Date Collected: 05/10/22 12:05

Date Received: 05/11/22 09:50

Sample Container: Summa Canister 1L

Lab Sample ID: 570-95772-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	10		1.0	ppm v/v			05/12/22 14:30	1

Client Sample ID: A-051022-LP-EFF

Date Collected: 05/10/22 12:00

Date Received: 05/11/22 09:50

Sample Container: Summa Canister 1L

Lab Sample ID: 570-95772-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			05/12/22 13:26	1

Surrogate Summary

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

Job ID: 570-95772-1

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)
570-95772-1	A-051022-LP-INF	97	103	97
570-95772-2	A-051022-LP-EFF	99	104	101
LCS 570-234439/3	Lab Control Sample	97	102	103
LCSD 570-234439/4	Lab Control Sample Dup	97	102	106
MB 570-234439/6	Method Blank	98	108	100

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

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

Job ID: 570-95772-1

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

Lab Sample ID: MB 570-234439/6
Matrix: Air
Analysis Batch: 234439

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			05/15/22 21:21	1
Ethylbenzene	ND		0.50	ppb v/v			05/15/22 21:21	1
o-Xylene	ND		0.50	ppb v/v			05/15/22 21:21	1
m,p-Xylene	ND		2.0	ppb v/v			05/15/22 21:21	1
Toluene	ND		0.50	ppb v/v			05/15/22 21:21	1
Xylenes, Total	ND		2.5	ppb v/v			05/15/22 21:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 132		05/15/22 21:21	1
4-Bromofluorobenzene (Surr)	108		70 - 130		05/15/22 21:21	1
Toluene-d8 (Surr)	100		70 - 130		05/15/22 21:21	1

Lab Sample ID: LCS 570-234439/3
Matrix: Air
Analysis Batch: 234439

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	24.91		ppb v/v		100	68 - 134
Ethylbenzene	25.0	25.06		ppb v/v		100	70 - 130
o-Xylene	25.0	23.99		ppb v/v		96	68 - 130
m,p-Xylene	50.0	48.87		ppb v/v		98	70 - 130
Toluene	25.0	24.24		ppb v/v		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 132
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: LCSD 570-234439/4
Matrix: Air
Analysis Batch: 234439

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	24.36		ppb v/v		97	68 - 134	2	25
Ethylbenzene	25.0	25.09		ppb v/v		100	70 - 130	0	25
o-Xylene	25.0	24.19		ppb v/v		97	68 - 130	1	25
m,p-Xylene	50.0	47.91		ppb v/v		96	70 - 130	2	25
Toluene	25.0	25.11		ppb v/v		100	70 - 130	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 132
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	106		70 - 130

QC Sample Results

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

Job ID: 570-95772-1

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

Lab Sample ID: MB 570-233632/4
Matrix: Air
Analysis Batch: 233632

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			05/12/22 12:33	1

Lab Sample ID: LCS 570-233632/2
Matrix: Air
Analysis Batch: 233632

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C6-C12)	100	85.20		ppm v/v		85	80 - 120

Lab Sample ID: LCS 570-233632/3
Matrix: Air
Analysis Batch: 233632

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	120.3		ppm v/v		120	80 - 120

QC Association Summary

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

Job ID: 570-95772-1

Air - GC/MS VOA

Analysis Batch: 234439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95772-1	A-051022-LP-INF	Total/NA	Air	TO-15	
570-95772-2	A-051022-LP-EFF	Total/NA	Air	TO-15	
MB 570-234439/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-234439/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-234439/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 233632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95772-1	A-051022-LP-INF	Total/NA	Air	TO3	
570-95772-2	A-051022-LP-EFF	Total/NA	Air	TO3	
MB 570-233632/4	Method Blank	Total/NA	Air	TO3	
LCS 570-233632/2	Lab Control Sample	Total/NA	Air	TO3	
LCS 570-233632/3	Lab Control Sample	Total/NA	Air	TO3	

Lab Chronicle

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

Job ID: 570-95772-1

Client Sample ID: A-051022-LP-INF

Lab Sample ID: 570-95772-1

Date Collected: 05/10/22 12:05

Matrix: Air

Date Received: 05/11/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		12.5	250 mL	250 mL	234439	05/16/22 02:51	UJHY	ECL 4
Instrument ID: GCMSZZ										
Total/NA	Analysis	TO3		1	10 mL	10 mL	233632	05/12/22 14:30	I9H5	ECL 4
Instrument ID: GC38										

Client Sample ID: A-051022-LP-EFF

Lab Sample ID: 570-95772-2

Date Collected: 05/10/22 12:00

Matrix: Air

Date Received: 05/11/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	250 mL	250 mL	234439	05/16/22 02:09	UJHY	ECL 4
Instrument ID: GCMSZZ										
Total/NA	Analysis	TO3		1	10 mL	10 mL	233632	05/12/22 13:26	I9H5	ECL 4
Instrument ID: GC38										

Laboratory References:

ECL 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: 570-95772-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-31-23
Washington	State	C916-18	10-12-22

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: 570-95772-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ECL 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: 570-95772-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-95772-1	A-051022-LP-INF	Air	05/10/22 12:05	05/11/22 09:50	Air Canister (1-Liter) #LC1280
570-95772-2	A-051022-LP-EFF	Air	05/10/22 12:00	05/11/22 09:50	Air Canister (1-Liter) #LC142

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- 14
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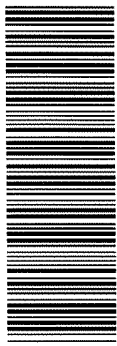
Calscience

Loc: 570
95772

CHAIN OF CUSTODY RECORD

DATE 05-10-22

PAGE 1 OF 1



570-95772 Chain of Custody

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 253-507-6217 E-MAIL matthew.davis@ghd

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

CLIENT PROJECT NAME / NUMBER P66 Renton Terminal AOC 5228 / 11226464	P.O. NO. 11226464-2021-04
PROJECT CONTACT Eric Maise 425-563-9260 Matt Davis 253-507-6217	SAMPLER(S) (PRINT) Eric Maise Matt Davis

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO OF CONT	Field Filled	Preserved	Unpreserved	Field Filtered	Requested Analysis
1	A-051022-LP-INF	5/10/22	1205	A	1	X		X		GRO (TO-3)
2	A-051022-LP-EFF	5/10/22	1200	A	1	X		X		BTEX (TO-15)
										LC1280
										LC142

Received by (Signature)	Received by (Signature/Affiliation)	Date	Time
	GHD 07/05/22 1230	5/11/22	0950
Relinquished by (Signature)	Received by (Signature/Affiliation)	Date	Time
Relinquished by (Signature)	Received by (Signature/Affiliation)	Date	Time



Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-95772-1

Login Number: 95772

List Source: Eurofins Calscience

List Number: 1

Creator: Cruise, Noel

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	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	



Summa Canister Dilution Worksheet

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

Job No.: 570-95772-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
570-95772-1	1	-29.5	-4.9	0.84	0.84	-2.40666	0.84	0.84		1.00	1.00	AIR MG4	05/12/22 12:19	QD3U
570-95772-2	1	-29.5	-3.4	0.89	0.89	-1.66992	0.89	0.89		1.00	1.00	AIR MG4	05/12/22 12:19	QD3U

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

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-95746-1

Client Project/Site: P66 Renton Terminal AOC 5228 / 12572873

For:

GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Attn: Matt Davis

Vik Patel

Authorized for release by:
5/19/2022 9:53:19 AM

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

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

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

Job ID: 570-95746-1

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: 570-95746-1

Job ID: 570-95746-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-95746-1

Comments

No additional comments.

Receipt

The samples were received on 5/11/2022 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° 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-051022-LP-MID 2 (570-95746-3). 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 570-234117. 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 570-234834. 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: 570-95746-1

Client Sample ID: GW-051022-LP-INF 1

Lab Sample ID: 570-95746-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1000		10	ug/L	20		8260C	Total/NA
Toluene	1500		20	ug/L	20		8260C	Total/NA
o-Xylene	1300		20	ug/L	20		8260C	Total/NA
m,p-Xylene	2800		40	ug/L	20		8260C	Total/NA
Ethylbenzene	170		20	ug/L	20		8260C	Total/NA
Xylenes, Total	4100		40	ug/L	20		8260C	Total/NA
TPH as Gasoline (C4-C13)	21000		1000	ug/L	10		NWTPH-Gx	Total/NA
TPH as Motor Oil Range	0.11		0.094	mg/L	1		NWTPH-Dx	Silica Gel Cleanup
TPH as Diesel Range - DL	22		0.94	mg/L	10		NWTPH-Dx	Silica Gel Cleanup

Client Sample ID: GW-051022-LP-MID 1

Lab Sample ID: 570-95746-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	250		2.0	ug/L	4		8260C	Total/NA
Toluene	83		4.0	ug/L	4		8260C	Total/NA
o-Xylene	14		4.0	ug/L	4		8260C	Total/NA
m,p-Xylene	32		8.0	ug/L	4		8260C	Total/NA
Ethylbenzene	4.2		4.0	ug/L	4		8260C	Total/NA
Xylenes, Total	46		8.0	ug/L	4		8260C	Total/NA
TPH as Gasoline (C4-C13)	590		100	ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	0.32		0.094	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

Client Sample ID: GW-051022-LP-MID 2

Lab Sample ID: 570-95746-3

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: 570-95746-1

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

Client Sample ID: GW-051022-LP-INF 1

Date Collected: 05/10/22 11:30

Date Received: 05/11/22 09:50

Lab Sample ID: 570-95746-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1000		10	ug/L			05/14/22 02:25	20
Toluene	1500		20	ug/L			05/14/22 02:25	20
o-Xylene	1300		20	ug/L			05/14/22 02:25	20
m,p-Xylene	2800		40	ug/L			05/14/22 02:25	20
Ethylbenzene	170		20	ug/L			05/14/22 02:25	20
Xylenes, Total	4100		40	ug/L			05/14/22 02:25	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 123		05/14/22 02:25	20
4-Bromofluorobenzene (Surr)	99		80 - 120		05/14/22 02:25	20
Dibromofluoromethane (Surr)	102		78 - 120		05/14/22 02:25	20
Toluene-d8 (Surr)	99		80 - 120		05/14/22 02:25	20

Client Sample ID: GW-051022-LP-MID 1

Date Collected: 05/10/22 11:15

Date Received: 05/11/22 09:50

Lab Sample ID: 570-95746-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	250		2.0	ug/L			05/14/22 01:06	4
Toluene	83		4.0	ug/L			05/14/22 01:06	4
o-Xylene	14		4.0	ug/L			05/14/22 01:06	4
m,p-Xylene	32		8.0	ug/L			05/14/22 01:06	4
Ethylbenzene	4.2		4.0	ug/L			05/14/22 01:06	4
Xylenes, Total	46		8.0	ug/L			05/14/22 01:06	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 123		05/14/22 01:06	4
4-Bromofluorobenzene (Surr)	96		80 - 120		05/14/22 01:06	4
Dibromofluoromethane (Surr)	102		78 - 120		05/14/22 01:06	4
Toluene-d8 (Surr)	99		80 - 120		05/14/22 01:06	4

Client Sample ID: GW-051022-LP-MID 2

Date Collected: 05/10/22 11:00

Date Received: 05/11/22 09:50

Lab Sample ID: 570-95746-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			05/14/22 00:12	2
Toluene	ND		2.0	ug/L			05/14/22 00:12	2
o-Xylene	ND		2.0	ug/L			05/14/22 00:12	2
m,p-Xylene	ND		4.0	ug/L			05/14/22 00:12	2
Ethylbenzene	ND		2.0	ug/L			05/14/22 00:12	2
Xylenes, Total	ND		4.0	ug/L			05/14/22 00:12	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 123		05/14/22 00:12	2
4-Bromofluorobenzene (Surr)	94		80 - 120		05/14/22 00:12	2
Dibromofluoromethane (Surr)	104		78 - 120		05/14/22 00:12	2
Toluene-d8 (Surr)	101		80 - 120		05/14/22 00:12	2

Client Sample Results

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

Job ID: 570-95746-1

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

Client Sample ID: GW-051022-LP-INF 1

Date Collected: 05/10/22 11:30

Date Received: 05/11/22 09:50

Lab Sample ID: 570-95746-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	21000		1000	ug/L	-		05/16/22 14:05	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150				05/16/22 14:05	10

Client Sample ID: GW-051022-LP-MID 1

Date Collected: 05/10/22 11:15

Date Received: 05/11/22 09:50

Lab Sample ID: 570-95746-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	590		100	ug/L	-		05/16/22 14:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		50 - 150				05/16/22 14:33	1

Client Sample ID: GW-051022-LP-MID 2

Date Collected: 05/10/22 11:00

Date Received: 05/11/22 09:50

Lab Sample ID: 570-95746-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		05/16/22 14:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		50 - 150				05/16/22 14:57	1

Client Sample Results

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

Job ID: 570-95746-1

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

Client Sample ID: GW-051022-LP-INF 1

Date Collected: 05/10/22 11:30

Date Received: 05/11/22 09:50

Lab Sample ID: 570-95746-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil Range	0.11		0.094	mg/L		05/17/22 15:55	05/17/22 22:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	126		50 - 150			05/17/22 15:55	05/17/22 22:09	1

Client Sample ID: GW-051022-LP-MID 1

Date Collected: 05/10/22 11:15

Date Received: 05/11/22 09:50

Lab Sample ID: 570-95746-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.32		0.094	mg/L		05/17/22 15:55	05/17/22 22:30	1
TPH as Motor Oil Range	ND		0.094	mg/L		05/17/22 15:55	05/17/22 22:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	116		50 - 150			05/17/22 15:55	05/17/22 22:30	1

Client Sample ID: GW-051022-LP-MID 2

Date Collected: 05/10/22 11:00

Date Received: 05/11/22 09:50

Lab Sample ID: 570-95746-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.093	mg/L		05/17/22 15:55	05/17/22 22:50	1
TPH as Motor Oil Range	ND		0.093	mg/L		05/17/22 15:55	05/17/22 22:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	127		50 - 150			05/17/22 15:55	05/17/22 22:50	1

Client Sample Results

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

Job ID: 570-95746-1

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

Client Sample ID: GW-051022-LP-INF 1

Lab Sample ID: 570-95746-1

Date Collected: 05/10/22 11:30

Matrix: Water

Date Received: 05/11/22 09:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	22		0.94	mg/L		05/17/22 15:55	05/18/22 19:33	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	143		50 - 150	05/17/22 15:55	05/18/22 19:33	10

- 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: 570-95746-1

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)
570-95746-1	GW-051022-LP-INF 1	101	99	102	99
570-95746-2	GW-051022-LP-MID 1	95	96	102	99
570-95746-3	GW-051022-LP-MID 2	97	94	104	101
LCS 570-234117/4	Lab Control Sample	96	102	99	99
LCSD 570-234117/5	Lab Control Sample Dup	95	104	98	100
MB 570-234117/7	Method Blank	102	93	103	101

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-95746-1	GW-051022-LP-INF 1	92
570-95746-2	GW-051022-LP-MID 1	83
570-95746-3	GW-051022-LP-MID 2	80
LCS 570-234374/3	Lab Control Sample	96
LCSD 570-234374/4	Lab Control Sample Dup	95
MB 570-234374/5	Method Blank	84

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	Percent Surrogate Recovery (Acceptance Limits)
		OTCSN (50-150)
570-95746-1	GW-051022-LP-INF 1	126
570-95746-1 - DL	GW-051022-LP-INF 1	143
570-95746-2	GW-051022-LP-MID 1	116
570-95746-3	GW-051022-LP-MID 2	127
LCS 570-234834/2-A	Lab Control Sample	102
LCSD 570-234834/3-A	Lab Control Sample Dup	108
MB 570-234834/1-A	Method Blank	100

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 570-95746-1

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

Lab Sample ID: MB 570-234117/7
Matrix: Water
Analysis Batch: 234117

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			05/13/22 17:35	1
Toluene	ND		1.0	ug/L			05/13/22 17:35	1
o-Xylene	ND		1.0	ug/L			05/13/22 17:35	1
m,p-Xylene	ND		2.0	ug/L			05/13/22 17:35	1
Ethylbenzene	ND		1.0	ug/L			05/13/22 17:35	1
Xylenes, Total	ND		2.0	ug/L			05/13/22 17:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 123		05/13/22 17:35	1
4-Bromofluorobenzene (Surr)	93		80 - 120		05/13/22 17:35	1
Dibromofluoromethane (Surr)	103		78 - 120		05/13/22 17:35	1
Toluene-d8 (Surr)	101		80 - 120		05/13/22 17:35	1

Lab Sample ID: LCS 570-234117/4
Matrix: Water
Analysis Batch: 234117

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	18.32		ug/L		92	76 - 120
Toluene	20.0	18.43		ug/L		92	76 - 120
o-Xylene	20.0	18.95		ug/L		95	80 - 121
m,p-Xylene	40.0	38.21		ug/L		96	74 - 122
Ethylbenzene	20.0	18.75		ug/L		94	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 123
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	99		78 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 570-234117/5
Matrix: Water
Analysis Batch: 234117

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	18.82		ug/L		94	76 - 120	3	20
Toluene	20.0	18.99		ug/L		95	76 - 120	3	20
o-Xylene	20.0	19.48		ug/L		97	80 - 121	3	20
m,p-Xylene	40.0	38.72		ug/L		97	74 - 122	1	20
Ethylbenzene	20.0	19.29		ug/L		96	80 - 120	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 123
4-Bromofluorobenzene (Surr)	104		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 / 12572873

Job ID: 570-95746-1

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

Lab Sample ID: MB 570-234374/5
Matrix: Water
Analysis Batch: 234374

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/16/22 12:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		50 - 150				05/16/22 12:15	1

Lab Sample ID: LCS 570-234374/3
Matrix: Water
Analysis Batch: 234374

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)	1970	2260		ug/L		115	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	96		50 - 150				

Lab Sample ID: LCSD 570-234374/4
Matrix: Water
Analysis Batch: 234374

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)	1970	2259		ug/L		115	76 - 128	0	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		50 - 150						

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

Lab Sample ID: MB 570-234834/1-A
Matrix: Water
Analysis Batch: 234840

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 234834

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		05/17/22 15:55	05/17/22 21:49	1
TPH as Motor Oil Range	ND		0.10	mg/L		05/17/22 15:55	05/17/22 21:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	100		50 - 150			05/17/22 15:55	05/17/22 21:49	1

Lab Sample ID: LCS 570-234834/2-A
Matrix: Water
Analysis Batch: 234840

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 234834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	3.867		mg/L		97	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	102		50 - 150				

Eurofins Calscience

QC Sample Results

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

Job ID: 570-95746-1

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

Lab Sample ID: LCSD 570-234834/3-A
Matrix: Water
Analysis Batch: 234840

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 234834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	3.992		mg/L		100	68 - 120	3	20
Surrogate			LCSD Qualifier			%Recovery			Limits
<i>n-Octacosane (Surr)</i>						108			50 - 150

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QC Association Summary

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

Job ID: 570-95746-1

GC/MS VOA

Analysis Batch: 234117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95746-1	GW-051022-LP-INF 1	Total/NA	Water	8260C	
570-95746-2	GW-051022-LP-MID 1	Total/NA	Water	8260C	
570-95746-3	GW-051022-LP-MID 2	Total/NA	Water	8260C	
MB 570-234117/7	Method Blank	Total/NA	Water	8260C	
LCS 570-234117/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-234117/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 234374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95746-1	GW-051022-LP-INF 1	Total/NA	Water	NWTPH-Gx	
570-95746-2	GW-051022-LP-MID 1	Total/NA	Water	NWTPH-Gx	
570-95746-3	GW-051022-LP-MID 2	Total/NA	Water	NWTPH-Gx	
MB 570-234374/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-234374/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-234374/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 234834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95746-1	GW-051022-LP-INF 1	Silica Gel Cleanup	Water	3510C SGC	
570-95746-1 - DL	GW-051022-LP-INF 1	Silica Gel Cleanup	Water	3510C SGC	
570-95746-2	GW-051022-LP-MID 1	Silica Gel Cleanup	Water	3510C SGC	
570-95746-3	GW-051022-LP-MID 2	Silica Gel Cleanup	Water	3510C SGC	
MB 570-234834/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-234834/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-234834/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 234840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95746-1	GW-051022-LP-INF 1	Silica Gel Cleanup	Water	NWTPH-Dx	234834
570-95746-2	GW-051022-LP-MID 1	Silica Gel Cleanup	Water	NWTPH-Dx	234834
570-95746-3	GW-051022-LP-MID 2	Silica Gel Cleanup	Water	NWTPH-Dx	234834
MB 570-234834/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	234834
LCS 570-234834/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	234834
LCSD 570-234834/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	234834

Analysis Batch: 235195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95746-1 - DL	GW-051022-LP-INF 1	Silica Gel Cleanup	Water	NWTPH-Dx	234834

Lab Chronicle

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

Job ID: 570-95746-1

Client Sample ID: GW-051022-LP-INF 1

Lab Sample ID: 570-95746-1

Date Collected: 05/10/22 11:30

Matrix: Water

Date Received: 05/11/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	5 mL	5 mL	234117	05/14/22 02:25	A1W	ECL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		10	5 mL	5 mL	234374	05/16/22 14:05	A9VE	ECL 4
Instrument ID: GC53										
Silica Gel Cleanup	Prep	3510C SGC			265.6 mL	2.5 mL	234834	05/17/22 15:55	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			234840	05/17/22 22:09	N5Y3	ECL 4
Instrument ID: GC48										
Silica Gel Cleanup	Prep	3510C SGC	DL		265.6 mL	2.5 mL	234834	05/17/22 15:55	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx	DL	10			235195	05/18/22 19:33	N5Y3	ECL 4
Instrument ID: GC48										

Client Sample ID: GW-051022-LP-MID 1

Lab Sample ID: 570-95746-2

Date Collected: 05/10/22 11:15

Matrix: Water

Date Received: 05/11/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	5 mL	5 mL	234117	05/14/22 01:06	A1W	ECL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	234374	05/16/22 14:33	A9VE	ECL 4
Instrument ID: GC53										
Silica Gel Cleanup	Prep	3510C SGC			265.5 mL	2.5 mL	234834	05/17/22 15:55	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			234840	05/17/22 22:30	N5Y3	ECL 4
Instrument ID: GC48										

Client Sample ID: GW-051022-LP-MID 2

Lab Sample ID: 570-95746-3

Date Collected: 05/10/22 11:00

Matrix: Water

Date Received: 05/11/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	5 mL	5 mL	234117	05/14/22 00:12	A1W	ECL 4
Instrument ID: GCMST										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	234374	05/16/22 14:57	A9VE	ECL 4
Instrument ID: GC53										
Silica Gel Cleanup	Prep	3510C SGC			268.9 mL	2.5 mL	234834	05/17/22 15:55	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			234840	05/17/22 22:50	N5Y3	ECL 4
Instrument ID: GC48										

Laboratory References:

ECL 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: 570-95746-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-31-23
Washington	State	C916-18	10-12-22

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Method Summary

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

Job ID: 570-95746-1

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

ECL 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: 570-95746-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-95746-1	GW-051022-LP-INF 1	Water	05/10/22 11:30	05/11/22 09:50
570-95746-2	GW-051022-LP-MID 1	Water	05/10/22 11:15	05/11/22 09:50
570-95746-3	GW-051022-LP-MID 2	Water	05/10/22 11:00	05/11/22 09:50

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AS746



7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494
 For counter service / sample drop off information contact us26_sales@eurofins.com or call us
 LABORATORY CLIENT: GHD Services Inc

CHAIN OF CUSTODY RECORD

DATE **05-10-22**

PAGE **1** OF **1**

WO # / LAB USE ONLY

CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464

PROJECT CONTACT: **Eric Meier 425-563-3260**
Matt Davis 253-507-6217

P.O. NO: 11226464-2021-04

SAMPLER(S) (PRINT): **Lucy Pisztoleto**
Joe Tomaszewski

REQUESTED ANALYSES

Please check box or fill in blank as needed

Oil & Grease (1664)																				
BTEX (8260)																				
GRO (NWTPH-Gx)																				
DRO/RO (NWTPH-Dx)																				



LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO OF CONT	LOG CODE			Field Filtered	Preserved	Unpreserved	Date	Time
		DATE	TIME			Unpreserved	Preserved	Field Filtered					
	GW- 051022 -LP - INF 1	05/10/22	1130	GW	8					X			
	GW- 051022 -LP - MID 1	05/10/22	1115	GW	8					X			
	GW- 051022 -LP - MID 2	05/10/22	1100	GW	8					X			
	GW- EFF			GW						X		05/10/22	
	GW- EEE1			GW						X		05/10/22	Lab composite
	GW- EFF2			GW						X		05/10/22	Lab composite
	GW- EFF3			GW						X		05/10/22	Lab composite
	GW- EFF4			GW						X		05/10/22	Lab composite
	GW- EFF5			GW						X		05/10/22	Lab composite
	GW- EEE6			GW						X		05/10/22	Lab composite
	GW- EEE7			GW						X		05/10/22	Lab composite

Relinquished by (Signature): *[Signature]* Date: 05/10/2022 12:30

Received by (Signature/Affiliation): *[Signature]* Date: 5/11/22 0950

Relinquished by (Signature): *[Signature]*

Received by (Signature/Affiliation): *[Signature]* Date: 5/11/22 0950

Relinquished by (Signature): *[Signature]*

Received by (Signature/Affiliation): *[Signature]* Date: 5/11/22 0950

570-95746 Chain of Custody

04/21 IR-96

8/25/21 Revision



Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-95746-1

Login Number: 95746
List Number: 1
Creator: Patel, Jayesh

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	



ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-95744-1

Client Project/Site: P66 Renton Terminal AOC 5228 / 12572873

For:

GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Attn: Matt Davis

Vik Patel

Authorized for release by:
5/25/2022 4:39:00 PM

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

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

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

Job ID: 570-95744-1

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: 570-95744-1

Job ID: 570-95744-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-95744-1

Comments

No additional comments.

Receipt

The samples were received on 5/11/2022 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° 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 570-234981. 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 570-233687.

1664

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-234834. 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: 570-95744-1

Client Sample ID: GW-051022-LP-EFF

Lab Sample ID: 570-95744-1

No Detections.

Client Sample ID: COMPOSITE (GW-051022-EFF 1,2,3,4)

Lab Sample ID: 570-95744-9

No Detections.

Client Sample ID: COMPOSITE (GW-051022-EFF 5,6,7)

Lab Sample ID: 570-95744-10

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: 570-95744-1

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

Client Sample ID: COMPOSITE (GW-051022-EFF 1,2,3,4)

Lab Sample ID: 570-95744-9

Date Collected: 05/10/22 00:00

Matrix: Water

Date Received: 05/11/22 09:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			05/18/22 19:42	1
Toluene	ND		1.0	ug/L			05/18/22 19:42	1
o-Xylene	ND		1.0	ug/L			05/18/22 19:42	1
m,p-Xylene	ND		2.0	ug/L			05/18/22 19:42	1
Ethylbenzene	ND		1.0	ug/L			05/18/22 19:42	1
Xylenes, Total	ND		2.0	ug/L			05/18/22 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 123		05/18/22 19:42	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/18/22 19:42	1
Dibromofluoromethane (Surr)	96		78 - 120		05/18/22 19:42	1
Toluene-d8 (Surr)	99		80 - 120		05/18/22 19:42	1

Client Sample Results

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

Job ID: 570-95744-1

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

Client Sample ID: COMPOSITE (GW-051022-EFF 1,2,3,4)

Lab Sample ID: 570-95744-9

Date Collected: 05/10/22 00:00

Matrix: Water

Date Received: 05/11/22 09:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/16/22 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		50 - 150		05/16/22 16:09	1

Client Sample Results

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

Job ID: 570-95744-1

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

Client Sample ID: GW-051022-LP-EFF

Lab Sample ID: 570-95744-1

Date Collected: 05/10/22 10:00

Matrix: Water

Date Received: 05/11/22 09:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.098	mg/L		05/17/22 15:55	05/17/22 23:11	1
TPH as Motor Oil Range	ND		0.098	mg/L		05/17/22 15:55	05/17/22 23:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	127		50 - 150			05/17/22 15:55	05/17/22 23:11	1

Client Sample Results

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

Job ID: 570-95744-1

General Chemistry

Client Sample ID: COMPOSITE (GW-051022-EFF 5,6,7)
Date Collected: 05/10/22 00:00
Date Received: 05/11/22 09:50

Lab Sample ID: 570-95744-10
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		1.00	mg/L		05/12/22 10:48	05/12/22 10:48	1

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Surrogate Summary

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

Job ID: 570-95744-1

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)
570-95744-9	COMPOSITE (GW-051022-EFF)	86	91	96	99
LCS 570-234981/4	Lab Control Sample	81	102	93	99
LCSD 570-234981/5	Lab Control Sample Dup	82	102	93	100
MB 570-234981/8	Method Blank	98	87	109	101

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-95744-9	COMPOSITE (GW-051022-EFF)	87
570-95744-9 MS	COMPOSITE (GW-051022-EFF 1,2,3,4)	90
570-95744-9 MSD	COMPOSITE (GW-051022-EFF 1,2,3,4)	78
LCS 570-234374/3	Lab Control Sample	96
LCSD 570-234374/4	Lab Control Sample Dup	95
MB 570-234374/5	Method Blank	84

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)
570-95744-1	GW-051022-LP-EFF	127
LCS 570-234834/2-A	Lab Control Sample	102
LCSD 570-234834/3-A	Lab Control Sample Dup	108
MB 570-234834/1-A	Method Blank	100

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 570-95744-1

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

Lab Sample ID: MB 570-234981/8
Matrix: Water
Analysis Batch: 234981

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			05/18/22 11:37	1
Toluene	ND		1.0	ug/L			05/18/22 11:37	1
o-Xylene	ND		1.0	ug/L			05/18/22 11:37	1
m,p-Xylene	ND		2.0	ug/L			05/18/22 11:37	1
Ethylbenzene	ND		1.0	ug/L			05/18/22 11:37	1
Xylenes, Total	ND		2.0	ug/L			05/18/22 11:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 123		05/18/22 11:37	1
4-Bromofluorobenzene (Surr)	87		80 - 120		05/18/22 11:37	1
Dibromofluoromethane (Surr)	109		78 - 120		05/18/22 11:37	1
Toluene-d8 (Surr)	101		80 - 120		05/18/22 11:37	1

Lab Sample ID: LCS 570-234981/4
Matrix: Water
Analysis Batch: 234981

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	19.78		ug/L		99	76 - 120
Toluene	20.0	20.36		ug/L		102	76 - 120
o-Xylene	20.0	20.98		ug/L		105	80 - 121
m,p-Xylene	40.0	43.89		ug/L		110	74 - 122
Ethylbenzene	20.0	20.30		ug/L		102	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		70 - 123
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	93		78 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 570-234981/5
Matrix: Water
Analysis Batch: 234981

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	19.06		ug/L		95	76 - 120	4	20
Toluene	20.0	19.49		ug/L		97	76 - 120	4	20
o-Xylene	20.0	19.71		ug/L		99	80 - 121	6	20
m,p-Xylene	40.0	40.91		ug/L		102	74 - 122	7	20
Ethylbenzene	20.0	19.24		ug/L		96	80 - 120	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		70 - 123
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	93		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: 570-95744-1

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

Lab Sample ID: MB 570-234374/5
Matrix: Water
Analysis Batch: 234374

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			05/16/22 12:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		50 - 150				05/16/22 12:15	1

Lab Sample ID: LCS 570-234374/3
Matrix: Water
Analysis Batch: 234374

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)	1970	2260		ug/L		115	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	96		50 - 150				

Lab Sample ID: LCSD 570-234374/4
Matrix: Water
Analysis Batch: 234374

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)	1970	2259		ug/L		115	76 - 128	0	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		50 - 150						

Lab Sample ID: 570-95744-9 MS
Matrix: Water
Analysis Batch: 234374

Client Sample ID: COMPOSITE (GW-051022-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		1970	1917		ug/L		97	69 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	90		50 - 150						

Lab Sample ID: 570-95744-9 MSD
Matrix: Water
Analysis Batch: 234374

Client Sample ID: COMPOSITE (GW-051022-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		1970	1744		ug/L		88	69 - 132	9	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	78		50 - 150								

QC Sample Results

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

Job ID: 570-95744-1

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

Lab Sample ID: MB 570-234834/1-A
Matrix: Water
Analysis Batch: 234840

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 234834

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
TPH as Diesel Range	ND		0.10	mg/L		05/17/22 15:55	05/17/22 21:49	1
TPH as Motor Oil Range	ND		0.10	mg/L		05/17/22 15:55	05/17/22 21:49	1
Surrogate		MB MB	Limits			Prepared	Analyzed	Dil Fac
		%Recovery Qualifier						
n-Octacosane (Surr)		100	50 - 150			05/17/22 15:55	05/17/22 21:49	1

Lab Sample ID: LCS 570-234834/2-A
Matrix: Water
Analysis Batch: 234840

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 234834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Surrogate		LCS LCS	Limits			%Rec	
		%Recovery Qualifier					
n-Octacosane (Surr)		102	50 - 150				

Lab Sample ID: LCSD 570-234834/3-A
Matrix: Water
Analysis Batch: 234840

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 234834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Surrogate		LCSD LCSD	Limits			%Rec		RPD	
		%Recovery Qualifier							
n-Octacosane (Surr)		108	50 - 150						

Method: 1664A - Oil and Grease

Lab Sample ID: MB 570-233687/1-A
Matrix: Water
Analysis Batch: 233845

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 233687

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Oil & Grease	ND		1.00	mg/L		05/12/22 10:48	05/12/22 10:48	1

Lab Sample ID: LCS 570-233687/2-A
Matrix: Water
Analysis Batch: 233845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 233687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Lab Sample ID: LCSD 570-233687/3-A
Matrix: Water
Analysis Batch: 233845

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 233687

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit

Eurofins Calscience

QC Association Summary

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

Job ID: 570-95744-1

GC/MS VOA

Analysis Batch: 234981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95744-9	COMPOSITE (GW-051022-EFF 1,2,3,4)	Total/NA	Water	8260C	
MB 570-234981/8	Method Blank	Total/NA	Water	8260C	
LCS 570-234981/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-234981/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 234374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95744-9	COMPOSITE (GW-051022-EFF 1,2,3,4)	Total/NA	Water	NWTPH-Gx	
MB 570-234374/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-234374/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-234374/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
570-95744-9 MS	COMPOSITE (GW-051022-EFF 1,2,3,4)	Total/NA	Water	NWTPH-Gx	
570-95744-9 MSD	COMPOSITE (GW-051022-EFF 1,2,3,4)	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 234834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95744-1	GW-051022-LP-EFF	Silica Gel Cleanup	Water	3510C SGC	
MB 570-234834/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-234834/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-234834/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 234840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95744-1	GW-051022-LP-EFF	Silica Gel Cleanup	Water	NWTPH-Dx	234834
MB 570-234834/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	234834
LCS 570-234834/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	234834
LCSD 570-234834/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	234834

General Chemistry

Prep Batch: 233687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95744-10	COMPOSITE (GW-051022-EFF 5,6,7)	Total/NA	Water	1664A	
MB 570-233687/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-233687/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-233687/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 233845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-95744-10	COMPOSITE (GW-051022-EFF 5,6,7)	Total/NA	Water	1664A	233687
MB 570-233687/1-A	Method Blank	Total/NA	Water	1664A	233687
LCS 570-233687/2-A	Lab Control Sample	Total/NA	Water	1664A	233687
LCSD 570-233687/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	233687

Lab Chronicle

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

Job ID: 570-95744-1

Client Sample ID: GW-051022-LP-EFF

Lab Sample ID: 570-95744-1

Date Collected: 05/10/22 10:00

Matrix: Water

Date Received: 05/11/22 09:50

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			253.9 mL	2.5 mL	234834	05/17/22 15:55	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			234840	05/17/22 23:11	N5Y3	ECL 4
Instrument ID: GC48										

Client Sample ID: COMPOSITE (GW-051022-EFF 1,2,3,4)

Lab Sample ID: 570-95744-9

Date Collected: 05/10/22 00:00

Matrix: Water

Date Received: 05/11/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	234981	05/18/22 19:42	OH1	ECL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	234374	05/16/22 16:09	A9VE	ECL 4
Instrument ID: GC53										

Client Sample ID: COMPOSITE (GW-051022-EFF 5,6,7)

Lab Sample ID: 570-95744-10

Date Collected: 05/10/22 00:00

Matrix: Water

Date Received: 05/11/22 09:50

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	233687	05/12/22 10:48	USUL	ECL 4
Total/NA	Analysis	1664A		1			233845	05/12/22 10:48	L6IE	ECL 4
Instrument ID: NOEQUIP										

Laboratory References:

ECL 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: 570-95744-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-31-23
Washington	State	C916-18	10-12-22

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Method Summary

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

Job ID: 570-95744-1

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

ECL 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: 570-95744-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-95744-1	GW-051022-LP-EFF	Water	05/10/22 10:00	05/11/22 09:50
570-95744-9	COMPOSITE (GW-051022-EFF 1,2,3,4)	Water	05/10/22 00:00	05/11/22 09:50
570-95744-10	COMPOSITE (GW-051022-EFF 5,6,7)	Water	05/10/22 00:00	05/11/22 09:50

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95744

CHAIN OF CUSTODY RECORD

DATE 05-10-22

PAGE 1 OF 1

WO # / LAB USE ONLY

LABORATORY CLIENT: GHD Services Inc

ADDRESS: 9725 3rd Avenue NE Ste 204

CITY: Seattle STATE: WA ZIP: 98115

TEL: 253-507-6217 E-MAIL: matthew.davis@ghd

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

COELT EDF GLOBAL ID LOG CODE

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

CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464
PROJECT CONTACT: Eric Meise 425-563-3260 / Matt Davis 253-507-6217

REQUESTED ANALYSES

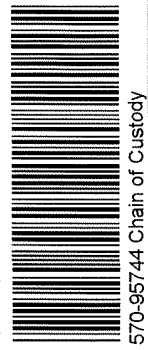
Please check box or fill in blank as needed

DR/ORO (NWTFH-Dx)	*							
GRO (NWTFH-Gx)	*							
BTEX (8260)	*							
Oil & Grease (1664)	*							

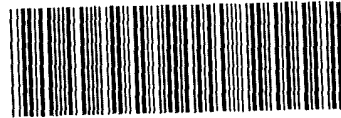
LAB USE ONLY	SAMPLE ID	DATE	SAMPLING TIME	MATRIX	NO OF CONT	Unpreserved	Preserved	Field Filtered
	GW-051022-LP-EFF	05/10/22	1000	GW	2		*	
2	GW-051022-UP-EFF 1		1000	GW	2		*	
4	GW-051022-UP-EFF 2		1015	GW	2		*	
4	GW-051022-UP-EFF 3		1030	GW	2		*	
5	GW-051022-UP-EFF 4		1045	GW	2		*	
6	GW-051022-UP-EFF 5		1000	GW	1		*	
7	GW-051022-UP-EFF 6		1015	GW	1		*	
7	GW-051022-UP-EFF 7		1030	GW	1		*	

Lab composite								
Lab composite								
Lab composite								
Lab composite								
Lab composite								
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Lab composite								
Lab composite								

Relinquished by (Signature): *[Signature]* GHD 05/10/2022 1230
Received by (Signature/Affiliation): *[Signature]* Omega One Labs EC
Date: 5/11/22 Time: 0950



CSFH4



570-95744 Waybill

ORIGIN ID:OTS (281) 389-7025
JOE LEWANDOWSKI
GHD
8725 3RD AVE NE
STE 204
SEATTLE, WA 98115
UNITED STATES US

SHIP DATE: 10MAY22
ACTWGT: 44.30 LB
CAD: 6990555/SSFO2300
DIMS: 24x14x14 IN
BILL THIRD PARTY

Part # 156297-4891R100B-95X001/23

TO RECEIVING
EUROFINS CALSCIENCE
2841 DOW AVE # 100

TUSTIN CA 92780

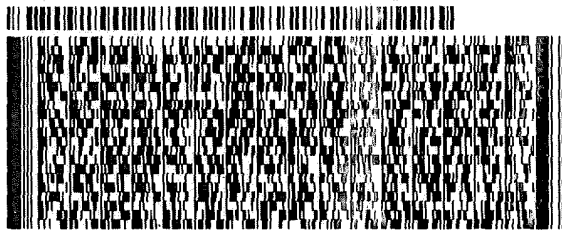
(949) 261-1022

REF:

PHU:

PO:

DEPT:



FedEx
Express



AL10214022020222

2 of 2

MPS# 2729 9030 0900
0263

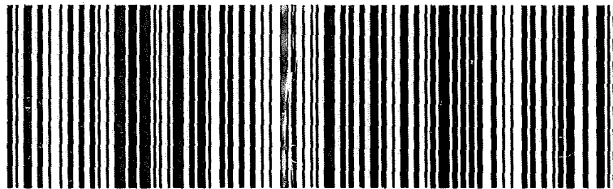
Mstr# 2729 9030 0896

0201

WED - 11 MAY 10:30A
PRIORITY OVERNIGHT

92 DTHA

92780
CA-US SNA



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Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-95744-1

Login Number: 95744
List Number: 1
Creator: Patel, Jayesh

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	



ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-98214-1

Client Project/Site: P66 Renton Terminal AOC 5228 / 12572873

For:

GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Attn: Matt Davis

Vikas Patel

Authorized for release by:

6/10/2022 11:23:03 AM

Vikas Patel, Project Manager I
(714)895-5494

Vikas.Patel@et.eurofinsus.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

Job ID: 570-98214-1

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: 570-98214-1

Job ID: 570-98214-1

Laboratory: Eurofins Calscience

Narrative

**Job Narrative
570-98214-1**

Comments

No additional comments.

Receipt

The samples were received on 6/2/2022 10:25 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: 570-98214-1

Client Sample ID: INF

Lab Sample ID: 570-98214-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	98		1.3	ppb v/v	2.5		TO-15	Total/NA
Ethylbenzene	79		1.3	ppb v/v	2.5		TO-15	Total/NA
o-Xylene	120		1.3	ppb v/v	2.5		TO-15	Total/NA
m,p-Xylene	330		5.0	ppb v/v	2.5		TO-15	Total/NA
Xylenes, Total	450		6.3	ppb v/v	2.5		TO-15	Total/NA
Toluene - DL	340		2.5	ppb v/v	5		TO-15	Total/NA
Gasoline Range Organics (C6-C12)	10		1.0	ppm v/v	1		TO3	Total/NA

Client Sample ID: EFF

Lab Sample ID: 570-98214-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.67		0.50	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.57		0.50	ppb v/v	1		TO-15	Total/NA
Toluene	1.5		0.50	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

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

Job ID: 570-98214-1

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

Client Sample ID: INF
Date Collected: 06/01/22 11:45
Date Received: 06/02/22 10:25
Sample Container: Summa Canister 1L

Lab Sample ID: 570-98214-1
Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	98		1.3	ppb v/v			06/06/22 21:33	2.5
Ethylbenzene	79		1.3	ppb v/v			06/06/22 21:33	2.5
o-Xylene	120		1.3	ppb v/v			06/06/22 21:33	2.5
m,p-Xylene	330		5.0	ppb v/v			06/06/22 21:33	2.5
Xylenes, Total	450		6.3	ppb v/v			06/06/22 21:33	2.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 132		06/06/22 21:33	2.5
4-Bromofluorobenzene (Surr)	102		70 - 130		06/06/22 21:33	2.5
Toluene-d8 (Surr)	99		70 - 130		06/06/22 21:33	2.5

Client Sample ID: EFF
Date Collected: 06/01/22 12:00
Date Received: 06/02/22 10:25
Sample Container: Summa Canister 1L

Lab Sample ID: 570-98214-2
Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.67		0.50	ppb v/v			06/06/22 20:48	1
Ethylbenzene	ND		0.50	ppb v/v			06/06/22 20:48	1
o-Xylene	0.57		0.50	ppb v/v			06/06/22 20:48	1
m,p-Xylene	ND		2.0	ppb v/v			06/06/22 20:48	1
Toluene	1.5		0.50	ppb v/v			06/06/22 20:48	1
Xylenes, Total	ND		2.5	ppb v/v			06/06/22 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 132		06/06/22 20:48	1
4-Bromofluorobenzene (Surr)	102		70 - 130		06/06/22 20:48	1
Toluene-d8 (Surr)	102		70 - 130		06/06/22 20:48	1

Client Sample Results

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

Job ID: 570-98214-1

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

Client Sample ID: INF

Date Collected: 06/01/22 11:45

Date Received: 06/02/22 10:25

Sample Container: Summa Canister 1L

Lab Sample ID: 570-98214-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	340		2.5	ppb v/v			06/07/22 23:11	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 132				06/07/22 23:11	5
4-Bromofluorobenzene (Surr)	103		70 - 130				06/07/22 23:11	5
Toluene-d8 (Surr)	95		70 - 130				06/07/22 23:11	5

Client Sample Results

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

Job ID: 570-98214-1

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

Client Sample ID: INF

Date Collected: 06/01/22 11:45

Date Received: 06/02/22 10:25

Sample Container: Summa Canister 1L

Lab Sample ID: 570-98214-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	10		1.0	ppm v/v			06/04/22 12:36	1

Client Sample ID: EFF

Date Collected: 06/01/22 12:00

Date Received: 06/02/22 10:25

Sample Container: Summa Canister 1L

Lab Sample ID: 570-98214-2

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			06/04/22 11:56	1

Surrogate Summary

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

Job ID: 570-98214-1

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)
570-98214-1	INF	104	102	99
570-98214-1 - DL	INF	105	103	95
570-98214-2	EFF	101	102	102
LCS 570-239230/3	Lab Control Sample	99	99	100
LCS 570-239634/3	Lab Control Sample	99	103	100
LCSD 570-239230/4	Lab Control Sample Dup	100	100	98
LCSD 570-239634/4	Lab Control Sample Dup	98	101	99
MB 570-239230/6	Method Blank	104	100	99
MB 570-239634/7	Method Blank	106	98	97

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

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

Job ID: 570-98214-1

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

Lab Sample ID: MB 570-239230/6
Matrix: Air
Analysis Batch: 239230

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			06/06/22 16:52	1
Ethylbenzene	ND		0.50	ppb v/v			06/06/22 16:52	1
o-Xylene	ND		0.50	ppb v/v			06/06/22 16:52	1
m,p-Xylene	ND		2.0	ppb v/v			06/06/22 16:52	1
Toluene	ND		0.50	ppb v/v			06/06/22 16:52	1
Xylenes, Total	ND		2.5	ppb v/v			06/06/22 16:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 132		06/06/22 16:52	1
4-Bromofluorobenzene (Surr)	100		70 - 130		06/06/22 16:52	1
Toluene-d8 (Surr)	99		70 - 130		06/06/22 16:52	1

Lab Sample ID: LCS 570-239230/3
Matrix: Air
Analysis Batch: 239230

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	25.01		ppb v/v		100	68 - 134
Ethylbenzene	25.0	24.30		ppb v/v		97	70 - 130
o-Xylene	25.0	24.41		ppb v/v		98	68 - 130
m,p-Xylene	50.0	48.87		ppb v/v		98	70 - 130
Toluene	25.0	24.67		ppb v/v		99	70 - 130

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

Lab Sample ID: LCSD 570-239230/4
Matrix: Air
Analysis Batch: 239230

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	23.73		ppb v/v		95	68 - 134	5	25
Ethylbenzene	25.0	23.68		ppb v/v		95	70 - 130	3	25
o-Xylene	25.0	23.53		ppb v/v		94	68 - 130	4	25
m,p-Xylene	50.0	45.17		ppb v/v		90	70 - 130	8	25
Toluene	25.0	23.91		ppb v/v		96	70 - 130	3	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 132
4-Bromofluorobenzene (Surr)	100		70 - 130
Toluene-d8 (Surr)	98		70 - 130

QC Sample Results

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

Job ID: 570-98214-1

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

Lab Sample ID: MB 570-239634/7
Matrix: Air
Analysis Batch: 239634

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ppb v/v			06/07/22 22:29	1
Ethylbenzene	ND		0.50	ppb v/v			06/07/22 22:29	1
o-Xylene	ND		0.50	ppb v/v			06/07/22 22:29	1
m,p-Xylene	ND		2.0	ppb v/v			06/07/22 22:29	1
Toluene	ND		0.50	ppb v/v			06/07/22 22:29	1
Xylenes, Total	ND		2.5	ppb v/v			06/07/22 22:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 132		06/07/22 22:29	1
4-Bromofluorobenzene (Surr)	98		70 - 130		06/07/22 22:29	1
Toluene-d8 (Surr)	97		70 - 130		06/07/22 22:29	1

Lab Sample ID: LCS 570-239634/3
Matrix: Air
Analysis Batch: 239634

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	26.03		ppb v/v		104	70 - 130
o-Xylene	25.0	26.32		ppb v/v		105	68 - 130
m,p-Xylene	50.0	49.81		ppb v/v		100	70 - 130
Toluene	25.0	26.03		ppb v/v		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 132
4-Bromofluorobenzene (Surr)	103		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 570-239634/4
Matrix: Air
Analysis Batch: 239634

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	24.63		ppb v/v		99	68 - 134	7	25
Ethylbenzene	25.0	25.26		ppb v/v		101	70 - 130	3	25
o-Xylene	25.0	25.08		ppb v/v		100	68 - 130	5	25
m,p-Xylene	50.0	49.51		ppb v/v		99	70 - 130	1	25
Toluene	25.0	25.11		ppb v/v		100	70 - 130	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 132
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	99		70 - 130

QC Sample Results

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

Job ID: 570-98214-1

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

Lab Sample ID: MB 570-239055/3
Matrix: Air
Analysis Batch: 239055

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		1.0	ppm v/v			06/04/22 10:12	1

Lab Sample ID: LCS 570-239055/2
Matrix: Air
Analysis Batch: 239055

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	81.78		ppm v/v		82	80 - 120

Lab Sample ID: 570-98214-1 DU
Matrix: Air
Analysis Batch: 239055

Client Sample ID: INF
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline Range Organics (C6-C12)	10		9.833		ppm v/v		4	20

QC Association Summary

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

Job ID: 570-98214-1

Air - GC/MS VOA

Analysis Batch: 239230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98214-1	INF	Total/NA	Air	TO-15	
570-98214-2	EFF	Total/NA	Air	TO-15	
MB 570-239230/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-239230/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-239230/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 239634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98214-1 - DL	INF	Total/NA	Air	TO-15	
MB 570-239634/7	Method Blank	Total/NA	Air	TO-15	
LCS 570-239634/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-239634/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 239055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98214-1	INF	Total/NA	Air	TO3	
570-98214-2	EFF	Total/NA	Air	TO3	
MB 570-239055/3	Method Blank	Total/NA	Air	TO3	
LCS 570-239055/2	Lab Control Sample	Total/NA	Air	TO3	
570-98214-1 DU	INF	Total/NA	Air	TO3	

Lab Chronicle

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

Job ID: 570-98214-1

Client Sample ID: INF

Date Collected: 06/01/22 11:45

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98214-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2.5	250 mL	250 mL	239230	06/06/22 21:33	USQD	ECL 4
Instrument ID: GCMSZZ										
Total/NA	Analysis	TO-15	DL	5	250 mL	250 mL	239634	06/07/22 23:11	UHOG	ECL 4
Instrument ID: GCMSZZ										
Total/NA	Analysis	TO3		1	10 mL	10 mL	239055	06/04/22 12:36	QXZ2	ECL 4
Instrument ID: GC38										

Client Sample ID: EFF

Date Collected: 06/01/22 12:00

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98214-2

Matrix: Air

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	239230	06/06/22 20:48	USQD	ECL 4
Instrument ID: GCMSZZ										
Total/NA	Analysis	TO3		1	10 mL	10 mL	239055	06/04/22 11:56	QXZ2	ECL 4
Instrument ID: GC38										

Laboratory References:

ECL 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: 570-98214-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	01-31-23
Washington	State	C916-18	10-12-22

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: 570-98214-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ECL 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: 570-98214-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-98214-1	INF	Air	06/01/22 11:45	06/02/22 10:25	Air Canister (1-Liter) #LC373
570-98214-2	EFF	Air	06/01/22 12:00	06/02/22 10:25	Air Canister (1-Liter) #LC464

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570-98214 Waybill

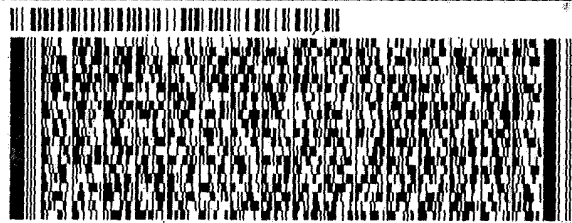
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SEATTLE, WA 98115
UNITED STATES US

SHIP DATE: 01JUN22
ACTWGT: 5.80 LB
CAD: 6992457/SSFO2321
DIMS: 13x10x9 IN
BILL RECIPIENT

Part # 158297-353/41568 Exp 01/23

TO
EUROFINS CALSCIENCE
2841 DOW AVE
STE 100
TUSTIN CA 92780

(714) 895-5404 REF: DEPT:

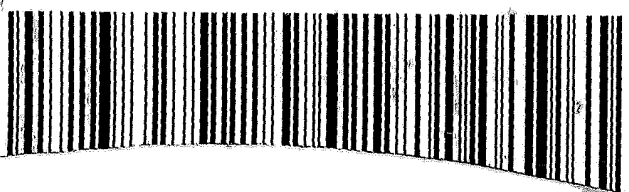


2 of 2
MPS# 2738 1842 6360
0263
Mstr# 2738 1842 6359

THU - 02 JUN 4:30P
STANDARD OVERNIGHT

92 DTHA

92780
CA-US SNA



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

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-98214-1

Login Number: 98214

List Source: Eurofins Calscience

List Number: 1

Creator: Cruise, Noel

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	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

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-98257-1

Client Project/Site: P66 Renton Terminal AOC 5228 / 12572873

For:

GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Attn: Fabio Minervini

Vik Patel

Authorized for release by:
6/9/2022 10:33:31 AM

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

LINKS

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results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

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

Job ID: 570-98257-1

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: 570-98257-1

Job ID: 570-98257-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-98257-1

Comments

No additional comments.

Receipt

The samples were received on 6/2/2022 10:25 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 3.1° 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 570-239680. 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 570-239705. 8015B_DRO. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-240036. 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: 570-98257-1

Client Sample ID: GW-060122-LP-INF-1

Lab Sample ID: 570-98257-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3800		25	ug/L	50		8260C	Total/NA
Toluene	7500		50	ug/L	50		8260C	Total/NA
o-Xylene	3600		50	ug/L	50		8260C	Total/NA
m,p-Xylene	7900		100	ug/L	50		8260C	Total/NA
Ethylbenzene	1300		50	ug/L	50		8260C	Total/NA
Xylenes, Total	12000		100	ug/L	50		8260C	Total/NA
TPH as Gasoline (C4-C13)	30000		500	ug/L	5		NWTPH-Gx	Total/NA
TPH as Diesel Range	15		0.098	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

Client Sample ID: GW-060122-LP-MID-1

Lab Sample ID: 570-98257-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	320		2.0	ug/L	4		8260C	Total/NA
Toluene	110		4.0	ug/L	4		8260C	Total/NA
o-Xylene	18		4.0	ug/L	4		8260C	Total/NA
m,p-Xylene	46		8.0	ug/L	4		8260C	Total/NA
Ethylbenzene	5.6		4.0	ug/L	4		8260C	Total/NA
Xylenes, Total	64		8.0	ug/L	4		8260C	Total/NA
TPH as Gasoline (C4-C13)	640		100	ug/L	1		NWTPH-Gx	Total/NA
TPH as Diesel Range	0.37		0.096	mg/L	1		NWTPH-Dx	Silica Gel Cleanup

Client Sample ID: GW-060122-LP-MID2

Lab Sample ID: 570-98257-3

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: 570-98257-1

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

Client Sample ID: GW-060122-LP-INF-1

Date Collected: 06/01/22 11:30

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98257-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3800		25	ug/L			06/07/22 22:18	50
Toluene	7500		50	ug/L			06/07/22 22:18	50
o-Xylene	3600		50	ug/L			06/07/22 22:18	50
m,p-Xylene	7900		100	ug/L			06/07/22 22:18	50
Ethylbenzene	1300		50	ug/L			06/07/22 22:18	50
Xylenes, Total	12000		100	ug/L			06/07/22 22:18	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 123		06/07/22 22:18	50
4-Bromofluorobenzene (Surr)	96		80 - 120		06/07/22 22:18	50
Dibromofluoromethane (Surr)	95		78 - 120		06/07/22 22:18	50
Toluene-d8 (Surr)	103		80 - 120		06/07/22 22:18	50

Client Sample ID: GW-060122-LP-MID-1

Date Collected: 06/01/22 11:15

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98257-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	320		2.0	ug/L			06/07/22 22:44	4
Toluene	110		4.0	ug/L			06/07/22 22:44	4
o-Xylene	18		4.0	ug/L			06/07/22 22:44	4
m,p-Xylene	46		8.0	ug/L			06/07/22 22:44	4
Ethylbenzene	5.6		4.0	ug/L			06/07/22 22:44	4
Xylenes, Total	64		8.0	ug/L			06/07/22 22:44	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 123		06/07/22 22:44	4
4-Bromofluorobenzene (Surr)	93		80 - 120		06/07/22 22:44	4
Dibromofluoromethane (Surr)	94		78 - 120		06/07/22 22:44	4
Toluene-d8 (Surr)	100		80 - 120		06/07/22 22:44	4

Client Sample ID: GW-060122-LP-MID2

Date Collected: 06/01/22 11:00

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98257-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			06/07/22 21:01	1
Toluene	ND		1.0	ug/L			06/07/22 21:01	1
o-Xylene	ND		1.0	ug/L			06/07/22 21:01	1
m,p-Xylene	ND		2.0	ug/L			06/07/22 21:01	1
Ethylbenzene	ND		1.0	ug/L			06/07/22 21:01	1
Xylenes, Total	ND		2.0	ug/L			06/07/22 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 123		06/07/22 21:01	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/07/22 21:01	1
Dibromofluoromethane (Surr)	96		78 - 120		06/07/22 21:01	1
Toluene-d8 (Surr)	100		80 - 120		06/07/22 21:01	1

Client Sample Results

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

Job ID: 570-98257-1

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

Client Sample ID: GW-060122-LP-INF-1

Date Collected: 06/01/22 11:30

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98257-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	30000		500	ug/L	-		06/07/22 16:40	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		50 - 150				06/07/22 16:40	5

Client Sample ID: GW-060122-LP-MID-1

Date Collected: 06/01/22 11:15

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98257-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	640		100	ug/L	-		06/07/22 17:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		50 - 150				06/07/22 17:04	1

Client Sample ID: GW-060122-LP-MID2

Date Collected: 06/01/22 11:00

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98257-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		06/07/22 17:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65		50 - 150				06/07/22 17:28	1

Client Sample Results

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

Job ID: 570-98257-1

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

Client Sample ID: GW-060122-LP-INF-1

Date Collected: 06/01/22 11:30

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98257-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	15		0.098	mg/L		06/07/22 15:44	06/08/22 21:17	1
TPH as Motor Oil Range	ND		0.098	mg/L		06/07/22 15:44	06/08/22 21:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	103		50 - 150			06/07/22 15:44	06/08/22 21:17	1

Client Sample ID: GW-060122-LP-MID-1

Date Collected: 06/01/22 11:15

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98257-2

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.37		0.096	mg/L		06/07/22 15:44	06/08/22 21:57	1
TPH as Motor Oil Range	ND		0.096	mg/L		06/07/22 15:44	06/08/22 21:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	103		50 - 150			06/07/22 15:44	06/08/22 21:57	1

Client Sample ID: GW-060122-LP-MID2

Date Collected: 06/01/22 11:00

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98257-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.093	mg/L		06/07/22 15:44	06/08/22 22:17	1
TPH as Motor Oil Range	ND		0.093	mg/L		06/07/22 15:44	06/08/22 22:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	102		50 - 150			06/07/22 15:44	06/08/22 22:17	1

Surrogate Summary

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

Job ID: 570-98257-1

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)
570-98257-1	GW-060122-LP-INF-1	99	96	95	103
570-98257-2	GW-060122-LP-MID-1	97	93	94	100
570-98257-3	GW-060122-LP-MID2	100	97	96	100
LCS 570-239680/4	Lab Control Sample	99	98	96	100
LCSD 570-239680/5	Lab Control Sample Dup	99	97	98	101
MB 570-239680/7	Method Blank	99	94	96	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)
570-98257-1	GW-060122-LP-INF-1	107
570-98257-2	GW-060122-LP-MID-1	73
570-98257-3	GW-060122-LP-MID2	65
LCS 570-239559/3	Lab Control Sample	73
LCSD 570-239559/4	Lab Control Sample Dup	74
MB 570-239559/5	Method Blank	64

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)
570-98257-1	GW-060122-LP-INF-1	103
570-98257-2	GW-060122-LP-MID-1	103
570-98257-3	GW-060122-LP-MID2	102
LCS 570-240036/2-A	Lab Control Sample	85
LCSD 570-240036/3-A	Lab Control Sample Dup	84
MB 570-240036/1-A	Method Blank	86

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 570-98257-1

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

Lab Sample ID: MB 570-239680/7
Matrix: Water
Analysis Batch: 239680

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			06/07/22 16:20	1
Toluene	ND		1.0	ug/L			06/07/22 16:20	1
o-Xylene	ND		1.0	ug/L			06/07/22 16:20	1
m,p-Xylene	ND		2.0	ug/L			06/07/22 16:20	1
Ethylbenzene	ND		1.0	ug/L			06/07/22 16:20	1
Xylenes, Total	ND		2.0	ug/L			06/07/22 16:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 123		06/07/22 16:20	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/07/22 16:20	1
Dibromofluoromethane (Surr)	96		78 - 120		06/07/22 16:20	1
Toluene-d8 (Surr)	100		80 - 120		06/07/22 16:20	1

Lab Sample ID: LCS 570-239680/4
Matrix: Water
Analysis Batch: 239680

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		98	76 - 120
Toluene	20.0	20.03		ug/L		100	76 - 120
o-Xylene	20.0	19.79		ug/L		99	80 - 121
m,p-Xylene	40.0	39.42		ug/L		99	74 - 122
Ethylbenzene	20.0	19.71		ug/L		99	80 - 120

Surrogate	LCS %Recovery	LCS 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

Lab Sample ID: LCSD 570-239680/5
Matrix: Water
Analysis Batch: 239680

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	19.69		ug/L		98	76 - 120	0	20
Toluene	20.0	19.98		ug/L		100	76 - 120	0	20
o-Xylene	20.0	19.03		ug/L		95	80 - 121	4	20
m,p-Xylene	40.0	38.77		ug/L		97	74 - 122	2	20
Ethylbenzene	20.0	19.37		ug/L		97	80 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 123
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	98		78 - 120
Toluene-d8 (Surr)	101		80 - 120

QC Sample Results

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

Job ID: 570-98257-1

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

Lab Sample ID: MB 570-239559/5
Matrix: Water
Analysis Batch: 239559

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			06/07/22 12:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64		50 - 150				06/07/22 12:18	1

Lab Sample ID: LCS 570-239559/3
Matrix: Water
Analysis Batch: 239559

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1990	1874		ug/L		94	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	73		50 - 150				

Lab Sample ID: LCSD 570-239559/4
Matrix: Water
Analysis Batch: 239559

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1990	1890		ug/L		95	76 - 128	1	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	74		50 - 150						

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

Lab Sample ID: MB 570-240036/1-A
Matrix: Water
Analysis Batch: 239933

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 240036

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		06/07/22 15:44	06/08/22 20:16	1
TPH as Motor Oil Range	ND		0.10	mg/L		06/07/22 15:44	06/08/22 20:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	86		50 - 150			06/07/22 15:44	06/08/22 20:16	1

Lab Sample ID: LCS 570-240036/2-A
Matrix: Water
Analysis Batch: 239933

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 240036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	4.514		mg/L		113	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	85		50 - 150				

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QC Sample Results

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

Job ID: 570-98257-1

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

Lab Sample ID: LCSD 570-240036/3-A
Matrix: Water
Analysis Batch: 239933

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 240036

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	4.507		mg/L		113	68 - 120	0	20
LCSD LCSD									
Surrogate	%Recovery	Qualifier	Limits						
<i>n</i> -Octacosane (Surr)	84		50 - 150						

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QC Association Summary

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

Job ID: 570-98257-1

GC/MS VOA

Analysis Batch: 239680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98257-1	GW-060122-LP-INF-1	Total/NA	Water	8260C	
570-98257-2	GW-060122-LP-MID-1	Total/NA	Water	8260C	
570-98257-3	GW-060122-LP-MID2	Total/NA	Water	8260C	
MB 570-239680/7	Method Blank	Total/NA	Water	8260C	
LCS 570-239680/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-239680/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 239559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98257-1	GW-060122-LP-INF-1	Total/NA	Water	NWTPH-Gx	
570-98257-2	GW-060122-LP-MID-1	Total/NA	Water	NWTPH-Gx	
570-98257-3	GW-060122-LP-MID2	Total/NA	Water	NWTPH-Gx	
MB 570-239559/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-239559/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-239559/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Analysis Batch: 239933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98257-1	GW-060122-LP-INF-1	Silica Gel Cleanup	Water	NWTPH-Dx	240036
570-98257-2	GW-060122-LP-MID-1	Silica Gel Cleanup	Water	NWTPH-Dx	240036
570-98257-3	GW-060122-LP-MID2	Silica Gel Cleanup	Water	NWTPH-Dx	240036
MB 570-240036/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	240036
LCS 570-240036/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	240036
LCSD 570-240036/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	240036

Prep Batch: 240036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98257-1	GW-060122-LP-INF-1	Silica Gel Cleanup	Water	3510C SGC	
570-98257-2	GW-060122-LP-MID-1	Silica Gel Cleanup	Water	3510C SGC	
570-98257-3	GW-060122-LP-MID2	Silica Gel Cleanup	Water	3510C SGC	
MB 570-240036/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-240036/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-240036/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Lab Chronicle

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

Job ID: 570-98257-1

Client Sample ID: GW-060122-LP-INF-1

Lab Sample ID: 570-98257-1

Date Collected: 06/01/22 11:30

Matrix: Water

Date Received: 06/02/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	5 mL	5 mL	239680	06/07/22 22:18	OH1	ECL 4
Instrument ID: GCMSZ										
Total/NA	Analysis	NWTPH-Gx		5	5 mL	5 mL	239559	06/07/22 16:40	A9VE	ECL 4
Instrument ID: GC53										
Silica Gel Cleanup	Prep	3510C SGC			255.7 mL	2.5 mL	240036	06/07/22 15:44	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			239933	06/08/22 21:17	KG5J	ECL 4
Instrument ID: GC48										

Client Sample ID: GW-060122-LP-MID-1

Lab Sample ID: 570-98257-2

Date Collected: 06/01/22 11:15

Matrix: Water

Date Received: 06/02/22 10:25

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	239680	06/07/22 22:44	OH1	ECL 4
Instrument ID: GCMSZ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	239559	06/07/22 17:04	A9VE	ECL 4
Instrument ID: GC53										
Silica Gel Cleanup	Prep	3510C SGC			261 mL	2.5 mL	240036	06/07/22 15:44	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			239933	06/08/22 21:57	KG5J	ECL 4
Instrument ID: GC48										

Client Sample ID: GW-060122-LP-MID2

Lab Sample ID: 570-98257-3

Date Collected: 06/01/22 11:00

Matrix: Water

Date Received: 06/02/22 10:25

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	239680	06/07/22 21:01	OH1	ECL 4
Instrument ID: GCMSZ										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	239559	06/07/22 17:28	A9VE	ECL 4
Instrument ID: GC53										
Silica Gel Cleanup	Prep	3510C SGC			267.6 mL	2.5 mL	240036	06/07/22 15:44	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			239933	06/08/22 22:17	KG5J	ECL 4
Instrument ID: GC48										

Laboratory References:

ECL 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: 570-98257-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	01-31-23
Washington	State	C916-18	10-12-22

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Method Summary

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

Job ID: 570-98257-1

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

ECL 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: 570-98257-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-98257-1	GW-060122-LP-INF-1	Water	06/01/22 11:30	06/02/22 10:25
570-98257-2	GW-060122-LP-MID-1	Water	06/01/22 11:15	06/02/22 10:25
570-98257-3	GW-060122-LP-MID2	Water	06/01/22 11:00	06/02/22 10:25

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Calscience

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For courier service / sample drop off information, contact us@eurofins.com or call us



CHAIN OF CUSTODY RECORD
DATE 6/1/2022
AGE 1 OF 1

LABORATORY CLIENT: GHD Services Inc
 ADDRESS: 9725 3rd Avenue NE Ste 204
 CITY: Seattle STATE: WA ZIP: 98115
 TEL: 253-507-6217 E-MAIL: matthew.davis@ghd

CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464
 PROJECT CONTACT: Eric Maise 425-563-3260
 Matt Davis 253-507-6217
 P O NO: 11226464-2021-04
 SAMPLER(S) (PRINT): Luan Proskelle

REQUESTED ANALYSES
 Please check box or fill in blank, as needed

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO OF CONT	LOG CODE			Field Filled	Oil & Grease (1664)	BTEX (8260)	GRO (NWTPH-Gx)	DRO/RO (NWTPH-Dx)	Lab composite
		DATE	TIME			Unpreserved	Preserved							
1	GW-060122 LP - INF 1	6/1/22	1130	GW	8		X							
2	GW-060122 LP - MID 1	↓	1115	GW	8		X							
3	GW-060122 LP - MID 2	↓	1100	GW	8		X							
	GW- - EFF			GW			X							
	GW- - EFF 1			GW			X							
	GW- - EFF 2			GW			X							
	GW- - EFF 3			GW			X							
	GW- - EFF 4			GW			X							
	GW- - EFF 5			GW			X							
	GW- - EFF 6			GW			X							
	GW- - EFF 7			GW			X							

Received by: (Signature) Luan Proskelle Date: 6/2/22 Time: 10:25
 Relinquished by: (Signature) Luan Proskelle Date: 6/1/22 Time: 11:30
 Relinquished by: (Signature) _____ Date: _____ Time: _____
 Relinquished by: (Signature) _____ Date: _____ Time: _____

1.4/3.1 JPR-96 8/25/21 Revision



Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-98257-1

Login Number: 98257

List Number: 1

Creator: Cortez Diaz, Antonio

List Source: Eurofins Calscience

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



ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-98269-1

Client Project/Site: P66 Renton Terminal AOC 5228 / 12572873

For:

GHD Services Inc.
9725 3rd Avenue NE, Suite 204
Seattle, Washington 98115

Attn: Fabio Minervini

Vik Patel

Authorized for release by:

6/14/2022 2:47:15 PM

Vikas Patel, Project Manager I
(714)895-5494

Vikas.Patel@et.eurofinsus.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

Job ID: 570-98269-1

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: 570-98269-1

Job ID: 570-98269-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-98269-1

Comments

No additional comments.

Receipt

The samples were received on 6/2/2022 10:25 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 3.1° C.

Receipt Exceptions

A trip blank was submitted with these samples; however, it was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-239941. 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 570-238521.
1664

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-239705. 8015B_DRO. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-240036. 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: 570-98269-1

Client Sample ID: GW-060122-LP-EFF

Lab Sample ID: 570-98269-1

No Detections.

Client Sample ID: COMPOSITE (GW-060122-LP-EFF 1,2,3,4)

Lab Sample ID: 570-98269-9

No Detections.

Client Sample ID: COMPOSITE (GW-060122-LP-EFF 5,6,7)

Lab Sample ID: 570-98269-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Oil & Grease	0.952		0.952	mg/L	1		1664A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience



Client Sample Results

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

Job ID: 570-98269-1

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

Client Sample ID: COMPOSITE (GW-060122-LP-EFF 1,2,3,4)
Date Collected: 06/01/22 00:00
Date Received: 06/02/22 10:25

Lab Sample ID: 570-98269-9
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			06/08/22 23:45	1
Toluene	ND		1.0	ug/L			06/08/22 23:45	1
o-Xylene	ND		1.0	ug/L			06/08/22 23:45	1
m,p-Xylene	ND		2.0	ug/L			06/08/22 23:45	1
Ethylbenzene	ND		1.0	ug/L			06/08/22 23:45	1
Xylenes, Total	ND		2.0	ug/L			06/08/22 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 123		06/08/22 23:45	1
4-Bromofluorobenzene (Surr)	103		80 - 120		06/08/22 23:45	1
Dibromofluoromethane (Surr)	99		78 - 120		06/08/22 23:45	1
Toluene-d8 (Surr)	102		80 - 120		06/08/22 23:45	1

Client Sample Results

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

Job ID: 570-98269-1

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

Client Sample ID: COMPOSITE (GW-060122-LP-EFF 1,2,3,4)

Date Collected: 06/01/22 00:00

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98269-9

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			06/07/22 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		50 - 150		06/07/22 15:52	1

Client Sample Results

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

Job ID: 570-98269-1

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

Client Sample ID: GW-060122-LP-EFF

Date Collected: 06/01/22 10:00

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98269-1

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.095	mg/L		06/07/22 15:44	06/08/22 22:38	1
TPH as Motor Oil Range	ND		0.095	mg/L		06/07/22 15:44	06/08/22 22:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	101		50 - 150			06/07/22 15:44	06/08/22 22:38	1

Client Sample Results

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

Job ID: 570-98269-1

General Chemistry

Client Sample ID: COMPOSITE (GW-060122-LP-EFF 5,6,7)

Date Collected: 06/01/22 00:00

Date Received: 06/02/22 10:25

Lab Sample ID: 570-98269-10

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	0.952		0.952	mg/L		06/03/22 12:00	06/03/22 12:00	1

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Surrogate Summary

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

Job ID: 570-98269-1

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)
570-98269-9	COMPOSITE (GW-060122-LP-E	94	103	99	102
LCS 570-239941/1013	Lab Control Sample	98	101	100	99
LCSD 570-239941/14	Lab Control Sample Dup	100	102	99	100
MB 570-239941/17	Method Blank	93	104	98	104

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)
570-98269-9	COMPOSITE (GW-060122-LP-E	68
LCS 570-239559/3	Lab Control Sample	73
LCSD 570-239559/4	Lab Control Sample Dup	74
MB 570-239559/5	Method Blank	64

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)
570-98269-1	GW-060122-LP-EFF	101
LCS 570-240036/2-A	Lab Control Sample	85
LCSD 570-240036/3-A	Lab Control Sample Dup	84
MB 570-240036/1-A	Method Blank	86

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 570-98269-1

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

Lab Sample ID: MB 570-239941/17
Matrix: Water
Analysis Batch: 239941

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	ug/L			06/08/22 22:26	1
Toluene	ND		1.0	ug/L			06/08/22 22:26	1
o-Xylene	ND		1.0	ug/L			06/08/22 22:26	1
m,p-Xylene	ND		2.0	ug/L			06/08/22 22:26	1
Ethylbenzene	ND		1.0	ug/L			06/08/22 22:26	1
Xylenes, Total	ND		2.0	ug/L			06/08/22 22:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 123		06/08/22 22:26	1
4-Bromofluorobenzene (Surr)	104		80 - 120		06/08/22 22:26	1
Dibromofluoromethane (Surr)	98		78 - 120		06/08/22 22:26	1
Toluene-d8 (Surr)	104		80 - 120		06/08/22 22:26	1

Lab Sample ID: LCS 570-239941/1013
Matrix: Water
Analysis Batch: 239941

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	19.68		ug/L		98	76 - 120
Toluene	20.0	19.63		ug/L		98	76 - 120
o-Xylene	20.0	19.90		ug/L		100	80 - 121
m,p-Xylene	40.0	38.80		ug/L		97	74 - 122
Ethylbenzene	20.0	19.62		ug/L		98	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 123
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	100		78 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 570-239941/14
Matrix: Water
Analysis Batch: 239941

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	20.28		ug/L		101	76 - 120	3	20
Toluene	20.0	20.58		ug/L		103	76 - 120	5	20
o-Xylene	20.0	20.42		ug/L		102	80 - 121	3	20
m,p-Xylene	40.0	40.23		ug/L		101	74 - 122	4	20
Ethylbenzene	20.0	20.44		ug/L		102	80 - 120	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 123
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	99		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: 570-98269-1

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

Lab Sample ID: MB 570-239559/5
Matrix: Water
Analysis Batch: 239559

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L			06/07/22 12:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64		50 - 150				06/07/22 12:18	1

Lab Sample ID: LCS 570-239559/3
Matrix: Water
Analysis Batch: 239559

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1990	1874		ug/L		94	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	73		50 - 150				

Lab Sample ID: LCSD 570-239559/4
Matrix: Water
Analysis Batch: 239559

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1990	1890		ug/L		95	76 - 128	1	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	74		50 - 150						

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

Lab Sample ID: MB 570-240036/1-A
Matrix: Water
Analysis Batch: 239933

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 240036

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		06/07/22 15:44	06/08/22 20:16	1
TPH as Motor Oil Range	ND		0.10	mg/L		06/07/22 15:44	06/08/22 20:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	86		50 - 150			06/07/22 15:44	06/08/22 20:16	1

Lab Sample ID: LCS 570-240036/2-A
Matrix: Water
Analysis Batch: 239933

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 240036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	4.514		mg/L		113	68 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	85		50 - 150				

Eurofins Calscience

QC Sample Results

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

Job ID: 570-98269-1

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

Lab Sample ID: LCSD 570-240036/3-A
Matrix: Water
Analysis Batch: 239933

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 240036

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	4.507		mg/L		113	68 - 120	0	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	84		50 - 150						

Method: 1664A - Oil and Grease

Lab Sample ID: MB 570-238521/1-A
Matrix: Water
Analysis Batch: 238960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 238521

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		1.00	mg/L		06/02/22 13:27	06/02/22 13:27	1

Lab Sample ID: LCS 570-238521/2-A
Matrix: Water
Analysis Batch: 238960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	38.90		mg/L		97	78 - 114

Lab Sample ID: LCSD 570-238521/3-A
Matrix: Water
Analysis Batch: 238960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 238521

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Oil & Grease	40.0	37.80		mg/L		94	78 - 114	3	18

QC Association Summary

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

Job ID: 570-98269-1

GC/MS VOA

Analysis Batch: 239941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98269-9	COMPOSITE (GW-060122-LP-EFF 1,2,3,4)	Total/NA	Water	8260C	
MB 570-239941/17	Method Blank	Total/NA	Water	8260C	
LCS 570-239941/1013	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-239941/14	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 239559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98269-9	COMPOSITE (GW-060122-LP-EFF 1,2,3,4)	Total/NA	Water	NWTPH-Gx	
MB 570-239559/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-239559/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-239559/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Analysis Batch: 239933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98269-1	GW-060122-LP-EFF	Silica Gel Cleanup	Water	NWTPH-Dx	240036
MB 570-240036/1-A	Method Blank	Silica Gel Cleanup	Water	NWTPH-Dx	240036
LCS 570-240036/2-A	Lab Control Sample	Silica Gel Cleanup	Water	NWTPH-Dx	240036
LCSD 570-240036/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	NWTPH-Dx	240036

Prep Batch: 240036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98269-1	GW-060122-LP-EFF	Silica Gel Cleanup	Water	3510C SGC	
MB 570-240036/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 570-240036/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 570-240036/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

General Chemistry

Prep Batch: 238521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98269-10	COMPOSITE (GW-060122-LP-EFF 5,6,7)	Total/NA	Water	1664A	
MB 570-238521/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-238521/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-238521/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 238960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-98269-10	COMPOSITE (GW-060122-LP-EFF 5,6,7)	Total/NA	Water	1664A	238521
MB 570-238521/1-A	Method Blank	Total/NA	Water	1664A	238521
LCS 570-238521/2-A	Lab Control Sample	Total/NA	Water	1664A	238521
LCSD 570-238521/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	238521

Lab Chronicle

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

Job ID: 570-98269-1

Client Sample ID: GW-060122-LP-EFF

Lab Sample ID: 570-98269-1

Date Collected: 06/01/22 10:00

Matrix: Water

Date Received: 06/02/22 10:25

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			264.3 mL	2.5 mL	240036	06/07/22 15:44	UFLU	ECL 4
Silica Gel Cleanup	Analysis	NWTPH-Dx		1			239933	06/08/22 22:38	KG5J	ECL 4
Instrument ID: GC48										

Client Sample ID: COMPOSITE (GW-060122-LP-EFF 1,2,3,4)

Lab Sample ID: 570-98269-9

Date Collected: 06/01/22 00:00

Matrix: Water

Date Received: 06/02/22 10:25

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	239941	06/08/22 23:45	UX77	ECL 4
Instrument ID: GCMSW										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	239559	06/07/22 15:52	A9VE	ECL 4
Instrument ID: GC53										

Client Sample ID: COMPOSITE (GW-060122-LP-EFF 5,6,7)

Lab Sample ID: 570-98269-10

Date Collected: 06/01/22 00:00

Matrix: Water

Date Received: 06/02/22 10:25

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	238521	06/03/22 12:00	USUL	ECL 4
Total/NA	Analysis	1664A		1			238960	06/03/22 12:00	L6IE	ECL 4
Instrument ID: NOEQUIP										

Laboratory References:

ECL 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: 570-98269-1

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	01-31-23
Washington	State	C916-18	10-12-22

- 1
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Method Summary

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

Job ID: 570-98269-1

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

ECL 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: 570-98269-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-98269-1	GW-060122-LP-EFF	Water	06/01/22 10:00	06/02/22 10:25
570-98269-9	COMPOSITE (GW-060122-LP-EFF 1,2,3,4)	Water	06/01/22 00:00	06/02/22 10:25
570-98269-10	COMPOSITE (GW-060122-LP-EFF 5,6,7)	Water	06/01/22 00:00	06/02/22 10:25

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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: 253-507-6217 E-MAIL: matthew.davis@ghd

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

SAME DAY 24 HR 48 HR 72 HR 5 DAYS STANDARD

COELT EDF GLOBAL ID LOG CODE

SPECIAL INSTRUCTIONS

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

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO OF CONT	LOG CODE				
		DATE	TIME			Unpreserved	Preserved	Field Filled		
	GW- -LINE 1			GW				X		
	GW- -MID 1			GW				X		
	GW- -MID 2			GW				X		
1	GW- 060122 LP - EFF	6/1/2022	1000	GW	2	X	X	X		
2	GW- - EFF 1		1000	GW	2	X	X	X		
3	GW- - EFF 2		1015	GW	2	X	X	X		
4	GW- - EFF 3		1030	GW	2	X	X	X		
5	GW- - EFF 4		1045	GW	2	X	X	X		
6	GW- - EFF 5		1000	GW	1	X	X	X		
7	GW- - EFF 6		1015	GW	1	X	X	X		
8	GW- - EFF 7		1030	GW	1	X	X	X		

Relinquished by: (Signature)

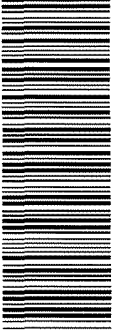
Lucia Positello 6/1/2022 @ 1530

Relinquished by: (Signature)

JP

Relinquished by: (Signature)

JP



570-98269 Chain of Custody

PAGE 1 OF 1

CLIENT PROJECT NAME / NUMBER: P66 Renton Terminal AOC 5228 / 11226464
 P.O. NO: 11226464-2021-04
 PROJECT CONTACT: Eric Maise 425-563-3260, Matt Davis 253-507-6217
 SAMPLER(S) (PRINT): *Eric Maise*

REQUESTED ANALYSES

Please check box or fill in blank as needed

Oil & Grease (1664)	BTEX (8260)	GRO (NWTPH-Gx)	DRO/ORO (NWTPH-Dx)	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite
X	X	X	X	Lab composite

Date: 6/1/22 Time: 15:25

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Date: 6/1/22 Time: 15:25

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Date: 6/1/22 Time: 15:25

Date: 6/1/22 Time: 15:25

Date: 6/1/22 Time: 15:25

1.4/31 JP 96



570-98269 waybill

ORIGIN ID:SEAA (503) 956-5391
GHD
9725 3RD AVE NE
SEATTLE, WA 98115
UNITED STATES US

SHIP DATE: 01JUN22
ACTWGT: 58.00 LB
CAD: 6992457/SSFD2321
DIMS: 24x14x14 IN
BILL RECIPIENT

Part #: 1562977959 / 9999999999 01/23

TO

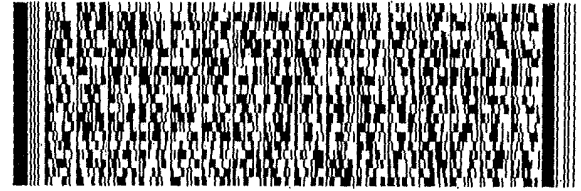
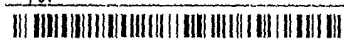
EUROFINS CALSCIENCE
2841 DOW AVE
STE 100
TUSTIN CA 92780

(714) 885-5404

REF:

YNU
PS1

DEPT1



FedEx
Express



AN 0215022022Z

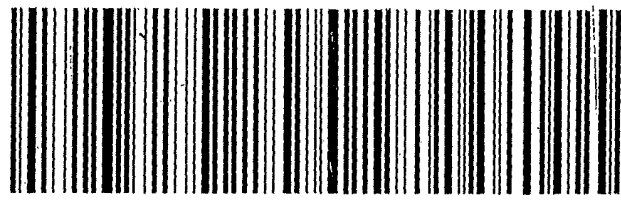
1 of 2

TRK# 2738 1842 6359
0201
MASTER

THU - 02 JUN 4:30P
STANDARD OVERNIGHT

92 DTHA

AHS
92780
CA-US SNA



570-98269 Waybill

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Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-98269-1

Login Number: 98269

List Source: Eurofins Calscience

List Number: 1

Creator: Cortez Diaz, Antonio

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	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.	False	Improper containers received.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix B

King County Self-Monitoring Reports



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300 / FAX 206-263-3001
Email: info.KCIW@kingcounty.gov

Company Name: Phillips 66 Company - Renton Terminal

Sample Site No. A81491

Permit/DA No.: 7910-02

Please Specify Month & Year: Month: April 2022

This form is available at www.kingcounty.gov/industrialwaste

All units are mg/l unless otherwise noted.

Sample Date (circle)	Sample Type C (Composite) G (Grab) BC (batch)	pH	Benzene CAS 71-43-2	Ethylbenzene CAS 100-41-4	Toluene CAS 108-88-3	Total Xylenes CAS 1330-20-7	Non Polar Fats, Oils, and Grease (Avg. of 3 grabs)	Daily Flow (GPD) Industrial	Notes (indicate Batch Discharge where applicable)
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12	G	7.3	ND	ND	ND	ND	ND	8,440	
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
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30									
31									

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

Eli Gurian
Signature of Principal Executive or Authorized Agent
Date 5/13/2022

Monthly Min pH 7.3 & Date 4/12/22
Monthly Max pH 7.3 & Date 4/12/22

Total Monthly Flow (gallons) 264,000
Maximum Daily Flow 18,710 & Date 4/20/22

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

Company Name: Phillips 66 Company - Renton Terminal

Sample Site No. A81491

Permit/DA No.: 7910-02

Please Specify Month & Year: Month: May 2022

This form is available at www.kingcounty.gov/industrialwaste

All units are mg/l unless otherwise noted.

Sample Date (circle)	Sample Type C (Composite) G (Grab) BC (batch)	pH	Benzene CAS 71-43-2	Ethylbenzene CAS 100-41-4	Toluene CAS 108-88-3	Total Xylenes CAS 1330-20-7	Non Polar Fats, Oils, and Grease (Avg. of 3 grabs)	Daily Flow (GPD) Industrial	Notes (indicate Batch Discharge where applicable)
1									
2									
3									
4									
5									
6									
7									
8									
9									
10	G	7.1	ND	ND	ND	ND	ND	10,570	
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Monthly Min pH	7.1	& Date	5/10/22	Total Monthly Flow (gallons)				273,940	
Monthly Max pH	7.1	& Date	5/10/22	Maximum Daily Flow				15,370	& Date 5/3/22

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.

6/7/2022

Signature of Principal Executive or Authorized Agent

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

Company Name: Phillips 66 Company - Renton Terminal

Sample Site No. A81491

Permit/DA No.: 7910-02

Please Specify Month & Year: Month: June 2022

This form is available at www.kingcounty.gov/industrialwaste

All units are mg/l unless otherwise noted.

Sample Date (circle)	Sample Type C (Composite) G (Grab) BC (batch)	pH	Benzene CAS 71-43-2	Ethylbenzene CAS 100-41-4	Toluene CAS 108-88-3	Total Xylenes CAS 1330-20-7	Non Polar Fats, Oils, and Grease (Avg. of 3 grabs)	Daily Flow (GPD) Industrial	Notes (indicate Batch Discharge where applicable)
1	G	6.8	ND	ND	ND	ND	0.952	10,890	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Monthly Min pH	6.8	& Date	6/1/22	Total Monthly Flow (gallons)				214,130	
Monthly Max pH	6.8	& Date	6/1/22	Maximum Daily Flow				10,890	& Date 6/1/22

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.

7/14/2022

Signature of Principal Executive or Authorized Agent

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: P66 Renton Terminal
 Job No.: 111226464
 Client: Phillips 66/BP

2423 Lind Ave
 SW, Renton,
 Date: 9/22/22
 Engineer/Geologist: L. Piscitello

Observation Well	Depth to SPH	Depth to Groundwater	Depth to Well Bottom
	feet	feet	feet
MW-1	-	7.65	
MW-2	-	7.68	
MW-3	-	6.97	
MW-4	-	6.16	
MW-5	-	7.75	
MW-6	-	8.86	
MW-7	-	8.98	
MW-8	-	8.45	
MW-10	-	8.73	
MW-11	-	4.15	
MW-12	-	6.80	
MW-13	-	5.59	
MW-15	-	8.30	
MW-16	-	7.62	
D-1R	-	7.67	
B-4	-	5.13	
B-6	-	5.25	
LAIX-13			
LAIX-14			
DPE-25			
DPE-26			
DPE-27			
DPE-28			
DPE-29			
DPE-30			

