Chevron Environmental Management Company and King County Metro Transit

First Semi-Annual 2024 Groundwater Monitoring Report

Former Chevron Bulk Terminal No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

September 30, 2024

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1 Introduction

On behalf of Chevron Environmental Management Company (Chevron) and King County Department of Transportation (KCDOT) Metro Transit Division (Metro), Arcadis US, Inc. (Arcadis) has prepared this report to document the First Semi-Annual 2024 groundwater gauging and sampling event for the former Chevron Bulk Terminal No. 100-1327 (site) conducted during the First half of 2024. Site Regulatory identifiers include Facility/Site identification 2217, and Cleanup Site identification 1275.

1.1 Site Description

The site is located at 1602 North Northlake Way along the north shore of Lake Union in a mixed-use residential and commercial neighborhood with industrial marine facilities located along the shoreline. This site is divided into two operable areas. The North Yard is located on the north side of North Northlake Way. The South Yard is located adjacent to the north shore of Lake Union and south of North Northlake Way (Figures 1 and 2). The site began operations as a bulk petroleum fueling terminal in 1925. Former site features at the North Yard include above ground storage tanks, product piping, loading racks, and various small buildings. Product piping extended from the North Yard, across the public right of way, and into the South Yard. Former site features at the South Yard include a warehouse, two docks, a former railroad spur, and product piping.

Metro purchased the site in 1982 and used it for diesel fueling operations until 1992. In 1998, King County and Chevron, entered into the Metro Lake Union/former Chevron Bulk Terminal Site Consent Decree (CD) to address soil and groundwater contamination (Ecology v. King County and Chevron 1998). Touchstone NLU LLC Corporation (Touchstone) purchased the property associated with the North Yard from KCDOT in 2009 and has since redeveloped that property.

In 2007, Touchstone entered into a Prospective Purchaser Consent Decree (PPCD) with the Washington State Department of Ecology (Ecology) that required Touchstone to remediate the North Yard to Model Toxics Control Act (MTCA) Method A soil cleanup levels for unrestricted use. Touchstone has completed remediation of the North Yard portion of the site as part of its redevelopment, called North Edge. According to the terms of the PPCD, Touchstone excavated and removed petroleum-contaminated soil within the Touchstone property line for treatment and/or offsite disposal. In 2016, Touchstone was given a no further action determination for soils within the North Yard. Soil outside the North Yard and groundwater throughout the North and South Yard are part of the Metro Lake Union/former Chevron Bulk Terminal Site CD.

As part of the CD, routine groundwater monitoring has occurred at the site since 1999. Initially, the site was monitored quarterly but Ecology approved a reduction in the groundwater monitoring scope so that currently, the site is monitored twice a year. The CD specifies that five consecutive quarters of concentrations below site CULs must be demonstrated within compliance wells to demonstrate MTCA compliance.

2 Groundwater Monitoring Methodology

During this reporting period, depth to water readings and groundwater samples were collected at accessible monitoring wells by Arcadis subcontractor Blaine Tech Services, Inc. (Blaine Tech), on May 31, 2024.

2.1 Groundwater Gauging Methods

Depth to water was measured using a static oil/water level indicator from the top of the monitoring well casing and recorded on field data sheets. The oil/water level indicators were decontaminated with an Alconox® and water scrub and rinsed between each measurement to prevent cross contamination. Non-disposable groundwater gauging equipment was decontaminated prior to and after each use with a detergent solution and rinsed in potable water. Field notes taken during gauging activities are included in **Appendix A**.

2.2 LNAPL Recovery Methods

Manual removal of Light Non-Aqueous Phase Liquid (LNAPL) was completed at the site quarterly from 1997 to 2007, periodically from 2007 to 2013 and quarterly in 2014. LNAPL removal was conducted periodically if measurable LNAPL (more than approximately 0.01 ft) was detected in a monitoring well during gauging events. LNAPL removal from monitoring wells was performed using manual bailing methods. Removed LNAPL was stored onsite in properly labeled sealed drums for disposal. Monitoring wells which historically contained LNAPL at levels greater that 0.01 ft were destroyed as part of development activities conducted in the North Yard by Touchstone in 2015. No LNAPL was found in the remaining monitoring wells during gauging events and therefore, no manual removal of LNAPL was conducted during the first half of 2024. Groundwater elevation and LNAPL monitoring data are presented in **Table 1.**

2.3 Groundwater Sampling Methods

In total, 11 monitoring wells were sampled from the site monitoring well network during this reporting period. The wells sampled during this reporting period include MW-4, MW-7, MW-8A, MW-19, MW-20, MW-21, MW-25, MW-26, AGI-2, MLU-1, and MLU-3. Field notes taken during the groundwater sampling activities are included in **Appendix A**.

Sampling was conducted in accordance with low flow purge methodology, using a peristaltic pump and disposable tubing. The flow rate used during sampling was approximately 200 milliliters per minute (mL/min) thereby minimizing water level drawdown in the well. During low flow purging, water quality parameters including pH, specific conductivity and temperature were monitored using a Yellow Springs Instruments (YSI) 556 multi-parameter meter with a flow-through measurement cell. Groundwater was considered stabilized when pH readings remained within 0.1 unit, and specific conductivity and temperature readings remained within 3%. The flow-through measurement cell was then disconnected from the disposable tubing and sample containers were filled directly from the tubing.

After the samples were collected in appropriate laboratory bottles, they were labeled, stored in a cooler packed with ice, and submitted under proper chain-of-custody procedures to Pace Analytical Laboratory (Pace) of Mount Juliet, Tennessee. Groundwater samples were submitted to the analytical laboratory for the following analyses for site specific compounds of concern (COCs):

- Benzene, toluene, and ethylbenzene by Environmental Protection Agency (EPA) method 8260D.
- Polycyclic aromatic hydrocarbons (PAHs) including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene), and naphthalene by EPA 8270E SIM.

- Dissolved lead and arsenic by EPA method 6020B.

A duplicate groundwater sample (DUP) was collected from MW-8A during the sampling event and submitted blind to the laboratory for the above analyses.

3 Groundwater Monitoring Results

3.1 Groundwater Gauging Results

Groundwater monitoring wells were gauged at the site on May 31, 2024.. Historically, groundwater elevations were adjusted for LNAPL solubility if present within a monitoring well. A solubility of 0.8 was used to adjust groundwater elevation for LNAPL if observed within onsite monitoring wells during the respective gauging events. No measurable LNAPL was detected during the May 2024 gauging event.

On May 31, 2024, groundwater monitoring wells MW-4, MW-7, MW-8A, MW-9R, MW-11, MW-14, MW-15, MW-19, MW-20, MW-21, MW-22, MW-24, MW-25, MW-26, MW-29, MW-30, AGI-2, EW-1, MLU-1, and MLU-3 were gauged by Blaine Tech to determine groundwater elevations. Depth to groundwater ranged between 10.44 feet below top of casing (btoc) in monitoring well MW-11 to 23.04 feet btoc in monitoring well MW-24. Groundwater elevations ranged from 17.80 feet above the North American Vertical Datum of 1988 (NAVD 88) in monitoring well AGI-2 to 46.73 feet above NAVD 88 in monitoring well MW-24.

The horizontal hydraulic gradient for the North Yard was calculated to be 0.064 feet per foot (ft/ft) based on the groundwater elevations calculated at monitoring wells MW-24, MW-19, and AGI-2 with a southwest flow direction. The groundwater flow direction has historically been to the southwest. A potentiometric groundwater elevation figure for May 31, 2024, monitoring well gauging data is included on **Figure 2**. Hydraulic Gradient Three Point Solution Worksheets are included as **Appendix B**.

3.2 Groundwater Analytical Results

Groundwater cleanup levels at the site were based on MTCA Method B surface water cleanup levels (CULs) established in the Ecology approved cleanup action plan (CAP) (Foster Wheeler, 1998). The MTCA Method B surface water CULs for specific COCs at the site include:

Constituent of Concern	Groundwater CUL (µg/L)
Benzene	43
Toluene	48,500
Ethylbenzene	6,910
Naphthalene	9,880
Benzo(a)anthracene	0.0296
Benzo(a)pyrene	0.0296
Benzo(b)fluoranthene	0.0296
Benzo(k)fluoranthene	0.0296

Constituent of Concern	Groundwater CUL (µg/L)
Chrysene	0.0296
Dibenz(a,h)anthracene	0.0296
Indeno(1,2,3-cd) pyrene	0.0296
Arsenic	0.0982
Lead	5

Note:
µg/L = microgram per liter

During the First Semi-Annual 2024 sampling event conducted on May 31,2024, groundwater was sampled and analyzed for benzene, toluene, ethylbenzene, cPAH, naphthalene, dissolved arsenic, and dissolved lead from monitoring wells MW-4, MW-7, MW-8A, MW-19, MW-20, MW-21, MW-25, MW-26, AGI-2, MLU-1, and MLU-3.

Dissolved arsenic was detected above the MTCA Method B surface water CUL of 0.0982 µg/L in the filtered groundwater samples from monitoring wells MW-4, MW-7, MW-8A, MW-19, MW-20, MW-21, MW-25, MW-26, MLU-1, MLU-3 and AGI-2 including duplicate sample collected from the well MW-8A at concentrations ranging from 0.199 J µg/L (where J indicates the concentration is an approximate value) in MW-4 to 13.1 µg/L in MW-21. Arsenic was detected at concentrations greater than the Ecology identified background value of 8 ug/L for the Puget Sound Basin in dissolved groundwater samples from wells AGI-2 and MW-21. No other COCs were detected at concentrations greater than the respective CULs.

Laboratory data from point of compliance wells will be reported in the Ecology Environmental Information Management (EIM) system under EIM identification number FS2217. The laboratory analytical report is included in **Appendix C** and the laboratory analytical results are presented on **Figure 3, 4 and 5,** and in **Table 2**. Historical groundwater analytical results are presented in **Appendix D**. Consecutive sampling events under the MTCA Method B surface water CULs in POC wells are presented in **Table 3**.

4 Conclusions

Groundwater currently complies with applicable CULs except for arsenic. Dissolved arsenic was detected greater than the PQL in all sampled wells. The detected arsenic concentrations were less than the Ecology identified background value of 8 µg/L for the Puget Sound Basin (Ecology 2022), with the exception of the concentrations detected in AGI-2 and MW-21. There were no exceedances of benzene, toluene, ethylbenzene, naphthalene, lead, and cPAHs during the first half of 2024 sampling activities. The groundwater elevation data collected during the May 2024 monitoring event indicate groundwater flow direction and horizontal hydraulic gradient to be generally consistent with historical data.

As of the most recent sampling event in May 2024, the 11 compliance wells have been in compliance with the site CULs for at least eight consecutive semiannual groundwater monitoring events for benzene, toluene, ethylbenzene, naphthalene, and cPAHs. Ten compliance wells have been in compliance with the site CULs for at least 10 consecutive semiannual groundwater monitoring events for lead.

5 Recommendations

Arcadis recommends the groundwater sampling scope and frequency be reduced at the site. The 2024 Request for Modifications to the Groundwater Monitoring Plan to modify the groundwater monitoring program at the site was submitted to Ecology on August 19, 2024.

6 References

Ecology. 2022. Natural Background Groundwater Arsenic Concentrations in Washington State Study Results. January. Available online: Natural Background Groundwater Arsenic Concentrations in Washington State: Study Results

Ecology v. King County and Chevron. 1998. State of Washington, King County Superior Court No. 99-2-0865511-1SEA. Consent Decree.

Tables

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-3	North Yard	08/11/99	104.07	--	--	--	--	No	--	
MW-3	North Yard	10/22/99	104.07	--	--	--	--	No	--	
MW-3	North Yard	05/24/01	104.07	10.25	9.99	0.26	--	No	94.03	
MW-3	North Yard	06/27/01	104.07	--	--	--	--	No	--	
MW-3	North Yard	03/18/02	104.07	9.28	8.59	0.69	--	No	95.34	
MW-3	North Yard	12/31/02	104.07	--	--	--	--	No	--	
MW-3	North Yard	03/26/03	104.07	7.02	--	0.00	--	No	97.05	
MW-3	North Yard	06/26/03	104.07	11.49	10.49	1.00	2.75	No	93.38	
MW-3	North Yard	07/21/03	104.07	--	--	--	2.50	No	--	
MW-3	North Yard	08/28/03	104.07	--	--	--	3.00	No	--	
MW-3	North Yard	10/16/03	104.07	13.89	11.55	2.34	1.75	No	92.05	
MW-3	North Yard	11/21/03	104.07	--	--	--	3.50	No	--	
MW-3	North Yard	12/17/03	104.07	11.02	10.27	0.75	2.00	No	93.65	
MW-3	North Yard	01/29/04	104.07	10.59	9.82	0.77	1.75	No	94.10	
MW-3	North Yard	02/18/04	104.07	10.32	9.77	0.55	0.75	No	94.19	
MW-3	North Yard	03/30/04	104.07	9.93	9.28	0.65	0.75	No	94.66	
MW-3	North Yard	09/22/04	104.07	11.35	10.61	0.74	1.50	No	93.31	
MW-3	North Yard	03/15/05	104.07	12.98	10.82	2.16	3.00	No	92.82	
MW-3	North Yard	9/28/05*	104.07	11.25	--	<3.0	3.50	No	--	
MW-3	North Yard	03/29/06	104.07	12.40	8.76	3.64	6.50	No	94.58	
MW-3	North Yard	03/21/07	104.07	10.67	9.13	1.54	2.00	No	94.63	
MW-3	North Yard	03/25/08	104.07	10.38	9.73	0.65	1.00	No	94.21	
MW-3	North Yard	09/08-09/08	104.07	11.02	10.55	0.47	1.50	Yes	93.43	
MW-3	North Yard	12/11/08	104.07	12.10	10.79	1.31	2.50	Yes	93.02	
MW-3	North Yard	03/30-31/09	104.07	9.70	--	0.00	0.00	Yes	94.37	
MW-3	North Yard	06/15/09	104.07	10.97	9.79	1.18	2.50[4]	Yes	94.04	
MW-3	North Yard	09/10-11/09	104.07	12.21	10.94	1.27	1.66[4]	Yes	92.88	
MW-3	North Yard	02/23/10	104.07	11.25	8.75	2.50	1.75[4]	Yes	94.82	
MW-3	North Yard	03/15/10	104.07	11.25	8.60	2.65	2.50[5]	Yes	94.94	
MW-3	North Yard	03/23/12	104.07	12.00	11.90	0.10	0.50	Yes	92.15	
MW-3	North Yard	06/01/12	104.07	--	--	--	--	Yes	--	
MW-3	North Yard	04/22/13	104.07	--	--	--	--	Yes	--	
MW-3	North Yard	06/26/13	104.07	--	--	--	--	Yes	--	
MW-3	North Yard	09/18/13	104.07	--	--	--	--	Yes	--	
MW-3	North Yard	10/14/13	104.07	--	--	--	--	Yes	--	
MW-3	North Yard	03/27/14	104.07	22.78	--	0.00	--	Yes	81.29	
MW-3	North Yard	06/10/14	104.07	11.88	6.97	4.91	5.00	Yes	96.12	
MW-3	North Yard	07/22/14	104.07	10.52	9.83	0.69	--	Yes	94.10	
MW-4	South Yard	08/10/99	--	--	--	--	--	--	--	
MW-4	South Yard	10/20/99	--	--	--	--	--	--	--	
MW-4	South Yard	07/26/01	--	15.46	--	0.00	--	--	--	
MW-4	South Yard	10/11/02	--	--	--	--	--	--	--	
MW-4	South Yard	12/31/02	--	16.88	--	0.00	--	--	--	
MW-4	South Yard	02/27/03	--	16.22	--	0.00	--	--	--	
MW-4	South Yard	03/26/03	--	15.38	--	0.00	--	--	--	
MW-4	South Yard	04/28/03	--	15.12	--	0.00	--	--	--	
MW-4	South Yard	05/30/03	--	15.02	--	0.00	--	--	--	
MW-4	South Yard	06/25/03	--	15.39	--	0.00	--	--	--	

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-4	South Yard	09/16/03	--	16.76	--	0.00	--	--	--	
MW-4	South Yard	12/15/03	--	16.80	--	0.00	--	--	--	
MW-4	South Yard	03/25/04	--	15.85	--	0.00	--	--	--	
MW-4	South Yard	09/22/04	--	15.94	--	0.00	--	--	--	
MW-4	South Yard	03/14/05	--	16.26	--	0.00	--	--	--	
MW-4	South Yard	03/29/06	--	15.71	--	0.00	--	--	--	
MW-4	South Yard	03/21/07	--	15.77	--	0.00	--	--	--	
MW-4	South Yard	03/25/08	--	15.78	--	0.00	--	--	--	
MW-4	South Yard	09/08-09/08	--	15.91	--	0.00	--	--	--	
MW-4	South Yard	12/11/08	--	--	--	--	--	--	--	
MW-4	South Yard	03/30-31/09	--	15.54	--	0.00	--	--	--	
MW-4	South Yard	09/10-11/09	--	16.39	--	0.00	--	--	--	
MW-4	South Yard	03/15/10	--	12.67	--	0.00	--	--	--	
MW-4	South Yard	09/15/10	--	16.25	--	0.00	--	--	--	
MW-4	South Yard	03/14/11	--	15.55	--	0.00	--	--	--	
MW-4	South Yard	09/25/11	33.92	16.55	--	0.00	--	--	17.37	
MW-4	South Yard	10/10/11	33.92	16.20	--	0.00	--	--	17.72	
MW-4	South Yard	06/21/12	33.92	14.49	--	0.00	--	--	19.43	
MW-4	South Yard	09/20/12	33.92	16.60	--	0.00	--	--	17.32	
MW-4	South Yard	09/21/12	33.92	16.59	--	0.00	--	--	17.33	
MW-4	South Yard	12/26/12	33.92	16.62	--	0.00	--	--	17.30	
MW-4	South Yard	04/22/13	33.92	15.18	--	0.00	--	--	18.74	
MW-4	South Yard	06/26/13	33.92	15.15	--	0.00	--	--	18.77	
MW-4	South Yard	09/18/13	33.92	15.98	--	0.00	--	--	17.94	
MW-4	South Yard	10/14/13	33.92	16.26	--	0.00	--	--	17.66	
MW-4	South Yard	03/27/14	33.92	15.69	--	0.00	--	--	18.23	
MW-4	South Yard	06/10/14	33.92	15.05	--	0.00	--	--	18.87	
MW-4	South Yard	11/11/15	33.92	16.52	--	0.00	--	--	17.40	
MW-4	South Yard	04/18/16	33.92	13.31	--	0.00	--	--	20.61	
MW-4	South Yard	12/07/16	33.92	16.78	--	0.00	--	--	17.14	
MW-4	South Yard	06/21/17	33.92	14.99	--	0.00	--	--	18.93	
MW-4	South Yard	12/05/17	33.92	16.72	--	0.00	--	--	17.20	
MW-4	South Yard	06/26/18	33.92	15.38	--	0.00	--	--	18.54	
MW-4	South Yard	11/27/18	33.92	16.59	--	0.00	--	--	17.33	
MW-4	South Yard	06/20/19	33.92	15.33	--	0.00	--	--	18.59	
MW-4	South Yard	12/17/19	33.92	16.96	--	0.00	--	--	16.96	
MW-4	South Yard	06/10/20	33.92	15.19	--	0.00	--	--	18.73	
MW-4	South Yard	11/10/20	33.92	16.64	--	0.00	--	--	17.28	
MW-4	South Yard	06/28/21	33.92	15.11	--	0.00	--	--	18.81	
MW-4	South Yard	01/06/22	33.92	16.30	--	0.00	--	--	17.62	
MW-4	South Yard	06/24/22	33.92	14.97	--	0.00	--	--	18.95	
MW-4	South Yard	12/16/22	33.92	15.30	--	0.00	--	--	18.62	
MW-4	South Yard	06/01/23	33.92	15.08	--	0.00	--	--	18.84	
MW-4	South Yard	11/28/2023	33.92	16.81	--	0.00	--	--	17.11	
MW-4	**South Yard**	**5/31/2024**	**33.92**	**15.00**	**--**	**0.00**	**--**	**--**	**18.92**	
MW-7	South Yard	08/10/99	98.39	--	--	--	--	--	--	
MW-7	South Yard	10/20/99	98.39	--	--	--	--	--	--	
MW-7	South Yard	07/26/01	98.39	12.61	--	0.00	--	--	85.78	
MW-7	South Yard	04/03/02	98.39	13.03	--	0.00	--	--	85.36	

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MW-7	South Yard	07/02/02	98.39	12.13	--	0.00	--	--	86.26	
MW-7	South Yard	09/03/02	98.39	13.76	--	0.00	--	--	84.63	
MW-7	South Yard	10/11/02	98.39	14.87	--	0.00	--	--	83.52	
MW-7	South Yard	03/26/03	98.39	13.12	--	0.00	--	--	85.27	
MW-7	South Yard	04/28/03	98.39	12.33	--	0.00	--	--	86.06	
MW-7	South Yard	05/30/03	98.39	11.76	--	0.00	--	--	86.63	
MW-7	South Yard	06/25/03	98.39	13.14	--	0.00	--	--	85.25	
MW-7	South Yard	09/16/03	98.39	13.93	--	0.00	--	--	84.46	
MW-7	South Yard	12/15/03	98.39	13.96	--	0.00	--	--	84.43	
MW-7	South Yard	03/21/07	98.39	--	--	--	--	--	--	
MW-7	South Yard	03/25/08	98.39	--	--	--	--	--	--	
MW-7	South Yard	09/08-09/08	98.39	--	--	--	--	--	--	
MW-7	South Yard	12/11/08	98.39	--	--	--	--	--	--	
MW-7	South Yard	03/30-31/09	98.39	--	--	--	--	--	--	
MW-7	South Yard	09/10-11/09	98.39	--	--	--	--	--	--	
MW-7	South Yard	03/15/1011	98.39	13.07	--	0.00	--	--	85.32	
MW-7	South Yard	09/15/10	98.39	13.40	--	0.00	--	--	84.99	
MW-7	South Yard	03/14/11	98.39	12.85	--	0.00	--	--	85.54	
MW-7	South Yard	06/21/12	31.13	12.19	--	0.00	--	--	18.94	
MW-7	South Yard	09/20/12	31.13	13.74	--	0.00	--	--	17.39	
MW-7	South Yard	12/26/12	31.13	15.67	--	0.00	--	--	15.46	
MW-7	South Yard	04/22/13	31.13	12.40	--	0.00	--	--	18.73	
MW-7	South Yard	06/26/13	31.13	12.30	--	0.00	--	--	18.83	
MW-7	South Yard	09/18/13	31.13	13.15	--	0.00	--	--	17.98	
MW-7	South Yard	10/14/13	31.13	13.37	--	0.00	--	--	17.76	
MW-7	South Yard	03/27/14	31.13	12.82	--	0.00	--	--	18.31	
MW-7	South Yard	06/10/14	31.13	12.21	--	0.00	--	--	18.92	
MW-7	South Yard	11/11/15	31.13	13.81	--	0.00	--	--	17.32	
MW-7	South Yard	04/18/16	31.13	12.43	--	0.00	--	--	18.70	
MW-7	South Yard	12/07/16	31.13	13.88	--	0.00	--	--	17.25	
MW-7	South Yard	06/12/17	31.13	12.20	--	0.00	--	--	18.93	
MW-7	South Yard	12/05/17	31.13	13.90	--	0.00	--	--	17.23	
MW-7	South Yard	06/26/18	31.13	12.47	--	0.00	--	--	18.66	
MW-7	South Yard	11/27/18	31.13	13.78	--	0.00	--	--	17.35	
MW-7	South Yard	06/20/19	31.13	12.50	--	0.00	--	--	18.63	
MW-7	South Yard	12/17/19	31.13	14.10	--	0.00	--	--	17.03	
MW-7	South Yard	06/10/20	31.13	12.20	--	0.00	--	--	18.93	
MW-7	South Yard	11/10/20	31.13	13.77	--	0.00	--	--	17.36	
MW-7	South Yard	06/28/21	31.13	12.27	--	0.00	--	--	18.86	
MW-7	South Yard	01/06/22	31.13	13.55	--	0.00	--	--	17.58	
MW-7	South Yard	06/24/22	31.13	12.19	--	0.00	--	--	18.94	
MW-7	South Yard	12/16/22	31.13	13.74	--	0.00	--	--	17.39	
MW-7	South Yard	06/01/23	31.13	12.37	--	0.00	--	--	18.76	
MW-7	South Yard	11/28/2023	31.13	13.97	--	0.00	--	--	17.16	
MW-7	**South Yard**	**5/13/2024**	**31.13**	**12.20**	**--**	**0.00**	**--**	**--**	**18.93**	
MW-8	South Yard	08/09/99	97.87	--	--	--	--	--	--	
MW-8	South Yard	10/20/99	97.87	13.06	--	0.00	--	--	84.81	
MW-8	South Yard	01/06/00	97.87	--	--	--	--	--	--	
MW-8	South Yard	04/12/00	97.87	12.57	--	0.00	--	--	85.30	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-8	South Yard	06/27/00	97.87	12.61	--	0.00	--	--	85.26	
MW-8	South Yard	09/28/00	97.87	12.88	--	0.00	--	--	84.99	
MW-8	South Yard	01/15/01	97.87	13.70	--	0.00	--	--	84.17	
MW-8	South Yard	06/21/01	97.87	11.77	--	0.00	--	--	86.10	
MW-8	South Yard	07/26/01	97.87	12.18	--	0.00	--	--	85.69	
MW-8	South Yard	03/19/02	97.87	12.84	--	0.00	--	--	85.03	
MW-8	South Yard	04/03/02	97.87	12.48	--	0.00	--	--	85.39	
MW-8	South Yard	05/07/02	97.87	11.86	--	0.00	--	--	86.01	
MW-8	South Yard	06/06/02	97.87	12.39	--	0.00	--	--	85.48	
MW-8	South Yard	07/02/02	97.87	11.79	--	0.00	--	--	86.08	
MW-8	South Yard	09/03/02	97.87	13.24	--	0.00	--	--	84.63	
MW-8	South Yard	10/11/02	97.87	14.04	--	0.00	--	--	83.83	
MW-8	South Yard	12/31/02	97.87	13.69	--	0.00	--	--	84.18	
MW-8	South Yard	03/26/03	97.87	12.23	--	0.00	--	--	85.64	
MW-8	South Yard	04/28/03	97.87	12.87	--	0.00	--	--	85.00	
MW-8	South Yard	05/30/03	97.87	11.80	--	0.00	--	--	86.07	
MW-8	South Yard	06/25/03	97.87	12.20	--	0.00	--	--	85.67	
MW-8	South Yard	09/15/03	97.87	13.45	--	0.00	--	--	84.42	
MW-8A	South Yard	12/15/03	97.60	13.32	--	0.00	--	--	84.28	
MW-8A	South Yard	03/25/04	97.60	12.24	--	0.00	--	--	85.36	
MW-8A	South Yard	09/23/04	97.60	12.30	--	0.00	--	--	85.30	
MW-8A	South Yard	03/14/05	97.60	12.68	--	0.00	--	--	84.92	
MW-8A	South Yard	03/29/06	97.60	12.14	--	0.00	--	--	85.46	
MW-8A	South Yard	03/21/07	97.60	12.21	--	0.00	--	--	85.39	
MW-8A	South Yard	03/25/08	97.60	12.13	--	0.00	--	--	85.47	
MW-8A	South Yard	09/08-09/08	97.60	12.32	--	0.00	--	--	85.28	
MW-8A	South Yard	12/11/08	97.60	--	--	--	--	--	--	
MW-8A	South Yard	03/30-31/09	97.60	12.04	--	0.00	--	--	85.56	
MW-8A	South Yard	09/10-11/09	97.60	12.80	--	0.00	--	--	84.80	
MW-8A	South Yard	03/15/10	97.60	12.23	--	0.00	--	--	85.37	
MW-8A	South Yard	09/15/10	97.60	12.66	--	0.00	--	--	84.94	
MW-8A	South Yard	03/14/11	97.60	12.19	--	0.00	--	--	85.41	
MW-8A	South Yard	11/16/11	30.31	13.14	--	0.00	--	--	17.17	
MW-8A	South Yard	06/21/12	30.31	11.45	--	0.00	--	--	18.86	
MW-8A	South Yard	09/20/12	30.31	12.97	--	0.00	--	--	17.34	
MW-8A	South Yard	09/21/12	30.31	12.97	--	0.00	--	--	17.34	
MW-8A	South Yard	12/26/12	30.31	13.07	--	0.00	--	--	17.24	
MW-8A	South Yard	04/23/13	30.31	11.70	--	0.00	--	--	18.61	
MW-8A	South Yard	06/26/13	30.31	11.50	--	0.00	--	--	18.81	
MW-8A	South Yard	09/18/13	30.31	12.37	--	0.00	--	--	17.94	
MW-8A	South Yard	10/14/13	30.31	12.65	--	0.00	--	--	17.66	
MW-8A	South Yard	03/27/14	30.31	12.21	--	0.00	--	--	18.10	
MW-8A	South Yard	06/10/14	30.31	11.49	--	0.00	--	--	18.82	
MW-8A	South Yard	11/11/15	30.31	12.41	--	0.00	--	--	17.90	
MW-8A	South Yard	04/18/16	30.31	11.70	--	0.00	--	--	18.61	
MW-8A	South Yard	12/07/16	30.31	13.26	--	0.00	--	--	17.05	
MW-8A	South Yard	06/21/17	30.31	11.59	--	0.00	--	--	18.72	
MW-8A	South Yard	12/05/17	30.31	12.60	--	0.00	--	--	17.71	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-8A	South Yard	06/26/18	30.31	11.89	--	0.00	--	--	18.42	
MW-8A	South Yard	11/27/18	30.31	12.14	--	0.00	--	--	18.17	
MW-8A	South Yard	06/20/19	30.31	11.69	--	0.00	--	--	18.62	
MW-8A	South Yard	12/17/19	30.31	13.41	--	0.00	--	--	16.90	
MW-8A	South Yard	06/10/20	30.31	11.48	--	0.00	--	--	18.83	
MW-8A	South Yard	11/10/20	30.31	13.08	--	0.00	--	--	17.23	
MW-8A	South Yard	06/28/21	30.31	11.70	--	0.00	--	--	18.61	
MW-8A	South Yard	01/06/22	30.31	12.40	--	0.00	--	--	17.91	
MW-8A	South Yard	06/24/22	30.31	11.75	--	0.00	--	--	18.56	
MW-8A	South Yard	12/16/22	30.31	13.35	--	0.00	--	--	16.96	
MW-8A	South Yard	06/01/23	30.31	11.83	--	0.00	--	--	18.48	
MW-8A	South Yard	11/28/2023	30.31	13.31	--	0.00	--	--	17.00	
MW-8A	**South Yard**	**5/31/2024**	**30.31**	**11.40**	**--**	**0.00**	**--**	**--**	**18.91**	
MW-9	ROW	08/11/99	103.67	--	--	--	--	No	--	
MW-9	ROW	10/21/99	103.67	--	--	--	--	No	--	
MW-9	ROW	05/24/01	103.67	14.07	14.02	0.05	--	No	89.64	
MW-9	ROW	06/21/01	103.67	13.78	13.74	0.04	--	No	89.92	
MW-9	ROW	06/27/01	103.67	13.79	--	0.00	--	No	89.88	
MW-9	ROW	03/18/02	103.67	13.51	12.82	0.69	--	No	90.71	
MW-9	ROW	10/16/02	103.67	--	--	0.54	--	No	--	
MW-9	ROW	11/11/02	103.67	--	--	0.90	--	No	--	
MW-9	ROW	12/31/02	103.67	--	--	0.91	--	No	--	
MW-9	ROW	02/27/03	103.67	--	--	0.02	--	No	--	
MW-9	ROW	03/26/03	103.67	--	--	0.09	--	No	--	
MW-9	ROW	04/28/03	103.67	13.25	13.18	0.07	--	No	90.48	
MW-9	ROW	05/30/03	103.67	13.52	13.43	0.09	--	No	90.22	
MW-9	ROW	06/26/03	103.67	13.90	13.86	0.04	0.10	No	89.80	
MW-9	ROW	07/21/03	103.67	--	--	0.21	2.00	No	--	
MW-9	ROW	08/28/03	103.67	--	--	0.23	0.75	No	--	
MW-9	ROW	10/16/03	103.67	15.98	15.41	0.57	2.00	No	88.15	
MW-9	ROW	11/21/03	103.67	--	--	0.01	0.25	No	--	
MW-9	ROW	12/17/03	103.67	--	--	0.00	0.00	No	--	
MW-9	ROW	01/29/04	103.67	14.16	14.13	0.03	0.10	No	89.53	
MW-9	ROW	02/18/04	103.67	11.11	10.94	0.17	0.25	No	92.70	
MW-9	ROW	03/25/04	103.67	13.66	--	0.00	--	No	90.01	
MW-9	ROW	03/30/04	103.67	13.80	13.69	0.11	0.25	No	89.96	
MW-9	ROW	09/22/04	103.67	9.52	9.49	0.03	0.25	No	94.17	
MW-9	ROW	03/15/05	103.67	14.81	14.52	0.29	0.25	No	89.09	
MW-9	ROW	09/28/05	103.67	15.31	15.06	0.25	<0.01	No	88.56	
MW-9	ROW	03/29/06	103.67	13.26	13.00	0.26	<0.5	No	90.62	
MW-9	ROW	03/21/07	103.67	13.73	13.41	0.32	0.19	No	90.20	
MW-9	ROW	03/25/08	103.67	13.93	--	0.00	<0.25	No	89.74	
MW-9	ROW	09/08-09/08	103.67	14.23	14.22	0.01	0.00	Yes	89.45	
MW-9	ROW	12/11/08	103.67	15.16	15.11	0.05	0.02	Yes	88.55	
MW-9	ROW	03/30-31/09	103.67	14.06	--	0.00	--	Yes	89.61	
MW-9	ROW	06/15/09	103.67	13.32	--	0.00	--	Yes	90.35	
MW-9	ROW	09/10-11/09	103.67	14.80	--	0.00	--	Yes	88.87	
MW-9	ROW	02/23/10	103.67	13.10	12.80	0.30	0.21[4]	Yes	90.81	
MW-9	ROW	03/15/10	103.67	13.33	13.10	0.23	0.18[4]	Yes	90.52	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-9	ROW	09/15/10[1]	103.67	15.05	14.50	0.55	0.20[4]	Yes	89.06	
MW-9	ROW	12/04/10[1]	103.67	14.50	14.37	0.13	0.20[4]	Yes	89.27	
MW-9	ROW	3/14/2011[1]	103.67	12.71	--	0.00	--	Yes	90.96	
MW-9	ROW	9/24/2011[1]	36.46	14.62	--	0.00	--	Yes	21.84	
MW-9	ROW	12/08/2011[1]	36.46	12.87	--	0.00	--	Yes	23.59	
MW-9	ROW	03/23/12	36.46	10.55	10.35	0.20	0.50	Yes	26.07	
MW-9	ROW	06/01/12	36.46	11.75	11.55	0.20	1.00	Yes	24.87	
MW-9	ROW	09/20/12	36.46	14.47	13.95	0.52	--	Yes	22.41	
MW-9	ROW	12/26/12	36.46	11.60	10.60	1.00	--	Yes	25.66	
MW-9	ROW	04/22/13	36.46	11.07	10.40	0.67	--	Yes	25.93	
MW-9	ROW	06/26/13	36.46	12.45	12.30	0.15	--	Yes	24.13	
MW-9	ROW	09/18/13	36.46	14.51	14.20	0.31	--	Yes	22.20	
MW-9	ROW	10/14/13	36.46	14.10	13.99	0.11	--	Yes	22.45	
MW-9	ROW	03/27/14	36.46	11.93	11.76	0.17	--	Yes	24.67	
MW-9	ROW	06/10/14	36.46	12.22	12.19	0.03	0.05	Yes	24.26	
MW-9R	ROW	07/22/14	36.33	13.31	--	0.00	--	Yes	23.02	
MW-9R	ROW	09/26/14	36.33	13.20	--	0.00	--	Yes	23.13	
MW-9R	ROW	10/30/14	36.33	13.35	--	0.00	--	Yes	22.98	
MW-9R	ROW	12/01/14	36.33	21.40	--	0.00	--	Yes	14.93	
MW-9R	ROW	02/20/15	36.33	21.63	--	0.00	--	No	14.70	
MW-9R	ROW	11/11/15	36.33	--	--	--	--	--	--	
MW-9R	ROW	04/18/16	36.33	--	--	--	--	--	--	
MW-9R	ROW	12/07/16	36.34	14.71	--	0.00	--	--	21.63	
MW-9R	ROW	06/21/17	36.34	13.42	--	0.00	--	--	22.92	
MW-9R	ROW	12/05/17	36.34	14.92	--	0.00	--	--	21.42	
MW-9R	ROW	06/26/18	36.34	14.37	--	0.00	--	--	21.97	
MW-9R	ROW	11/27/18	36.34	15.27	--	0.00	--	--	21.07	
MW-9R	ROW	06/20/19	36.34	13.97	--	0.00	--	--	22.37	
MW-9R	ROW	12/17/19	36.34	15.72	--	0.00	--	--	20.62	
MW-9R	ROW	06/10/20	36.34	13.88	--	0.00	--	--	22.46	
MW-9R	ROW	11/10/20	36.34	14.68	--	0.00	--	--	21.66	
MW-9R	ROW	06/28/21	36.34	15.12	--	0.00	--	--	21.22	
MW-9R	ROW	01/06/22	36.34	14.00	--	0.00	--	--	22.34	
MW-9R	ROW	06/24/22	36.34	13.12	--	0.00	--	--	23.22	
MW-9R	ROW	12/16/22	36.34	14.90	--	0.00	--	--	21.44	
MW-9R	ROW	06/01/23	36.34	13.26	--	0.00	--	--	23.08	
MW-9R	ROW	11/28/2023	36.34	15.34	--	0.00	--	--	21.00	
MW-9R	**ROW**	**5/31/2024**	**36.34**	**14.48**	**--**	**0.00**	**--**	**--**	**21.86**	
MW-10	North Yard	08/11/99	100.30	--	--	--	--	No	--	
MW-10	North Yard	10/21/99	100.30	--	--	--	--	No	--	
MW-10	North Yard	04/12/00	100.30	7.34	--	0.00	--	No	92.96	
MW-10	North Yard	06/27/00	100.30	8.95	--	0.00	--	No	91.35	
MW-10	North Yard	09/28/00	100.30	10.08	--	0.00	--	No	90.22	
MW-10	North Yard	01/15/01	100.30	10.16	--	0.00	--	No	90.14	
MW-10	North Yard	05/24/01	100.30	9.14	--	0.00	--	No	91.16	
MW-10	North Yard	06/21/01	100.30	7.97	--	0.00	--	No	92.33	
MW-10	North Yard	06/27/01	100.30	9.07	--	0.00	--	No	91.23	
MW-10	North Yard	03/18/02	100.30	7.09	--	0.00	--	No	93.21	
MW-10	North Yard	07/02/02	100.30	8.37	--	0.00	--	No	91.93	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-10	North Yard	09/28/02	100.30	10.08	--	0.00	--	No	90.22	
MW-10	North Yard	12/31/02	100.30	--	--	0.96	--	No	--	
MW-10	North Yard	02/27/03	100.30	--	--	0.17	--	No	--	
MW-10	North Yard	03/26/03	100.30	--	--	0.04	--	No	--	
MW-10	North Yard	04/28/03	100.30	8.80	--	0.00	--	No	91.50	
MW-10	North Yard	05/30/03	100.30	8.76	--	0.00	--	No	91.54	
MW-10	North Yard	06/26/03	100.30	8.99	8.69	0.30	6.00	No	91.55	
MW-10	North Yard	07/21/03	100.30	--	--	0.06	1.00	No	--	
MW-10	North Yard	08/28/03	100.30	--	--	0.14	6.00	No	--	
MW-10	North Yard	10/16/03	100.30	11.56	10.54	1.02	18.50	No	89.56	
MW-10	North Yard	11/21/03	100.30	--	--	1.33	7.00	No	--	
MW-10	North Yard	12/17/03	100.30	--	--	0.15	0.75	No	--	
MW-10	North Yard	01/29/04	100.30	8.61	8.61	0.00	--	No	91.69	
MW-10	North Yard	02/18/04	100.30	8.72	8.58	0.14	0.25	No	91.69	
MW-10	North Yard	03/30/04	100.30	8.47	8.41	0.06	0.25	No	91.88	
MW-10	North Yard	09/22/04	100.30	9.64	9.56	0.08	0.50	No	90.72	
MW-10	North Yard	03/15/05	100.30	10.20	9.83	0.37	0.25	No	90.40	
MW-10	North Yard	10/04/05	100.30	11.20	10.39	0.81	1.75	No	89.75	
MW-10	North Yard	03/29/06	100.30	8.35	7.63	0.72	2.00	No	92.53	
MW-10	North Yard	03/21/07	100.30	7.95	7.49	0.46	0.44	No	92.72	
MW-10	North Yard	03/25/08	100.30	8.68	8.68	0.00	0.00	No	91.62	
MW-10	North Yard	09/08-09/08	100.30	9.39	9.34	0.05	0.20	Yes	90.95	
MW-10	North Yard	12/11/08	100.30	9.90	9.59	0.31	1.00	Yes	90.65	
MW-10	North Yard	03/30-31/09	100.30	8.44	8.20	0.24	1.11[4]	Yes	92.05	
MW-10	North Yard	06/15/09	100.30	8.31	8.10	0.21	0.34[4]	Yes	92.16	
MW-10	North Yard	09/10-11/09	100.30	10.14	10.12	0.02	0.00	Yes	90.18	
MW-10	North Yard	02/23/10	100.30	7.14	7.13	0.01	0.00	Yes	93.17	
MW-10	North Yard	03/15/10	100.30	7.24	--	0.00	--	Yes	93.06	
MW-10	North Yard	09/15/10	100.30	9.48	Sheen	Sheen	--	Yes	90.82	
MW-10	North Yard	12/04/10	100.30	--	--	--	--	Yes	--	
MW-10	North Yard	03/27/14	33.09	8.28	--	0.00	--	Yes	24.81	
MW-10	North Yard	06/10/14	33.09	7.42	--	0.00	--	Yes	25.67	
MW-10	North Yard	07/22/14	33.09	8.81	--	0.00	--	Yes	24.28	
MW-11	ROW	08/11/99	100.59	--	--	--	--	--	--	
MW-11	ROW	10/22/99	100.59	--	--	--	--	--	--	
MW-11	ROW	06/21/01	100.59	11.30	--	0.00	--	--	89.29	
MW-11	ROW	03/18/02	100.59	10.96	--	0.00	--	--	89.63	
MW-11	ROW	09/16/03	100.59	13.03	--	0.00	--	--	87.56	
MW-11	ROW	12/15/03	100.59	13.92	--	0.00	--	--	86.67	
MW-11	ROW	03/25/04	100.59	11.17	--	0.00	--	--	89.42	
MW-11	ROW	09/22/04	100.59	12.05	--	0.00	--	--	88.54	
MW-11	ROW	03/14/05	100.59	11.90	--	0.00	--	--	88.69	
MW-11	ROW	03/29/06	100.59	10.32	--	0.00	--	--	90.27	
MW-11	ROW	03/21/07	100.59	8.36	--	0.00	--	--	92.23	
MW-11	ROW	03/25/08	100.59	9.38	--	0.00	--	--	91.21	
MW-11	ROW	09/08-09/08	100.59	10.35	--	0.00	--	--	90.24	
MW-11	ROW	12/11/08	100.59	10.63	--	0.00	--	--	89.96	
MW-11	ROW	03/30-31/09	100.59	9.60	--	0.00	--	--	90.99	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-11	ROW	06/15/09	100.59	--	--	--	--	--	--	
MW-11	ROW	09/10-11/09	100.61	8.07	--	0.00	--	--	92.54	
MW-11	ROW	02/23/10	100.61	8.60	--	0.00	--	--	92.01	
MW-11	ROW	03/15/10	100.61	8.75	--	0.00	--	--	91.86	
MW-11	ROW	09/15/10	100.61	10.27	--	0.00	--	--	90.34	
MW-11	ROW	12/04/10	100.61	10.37	--	0.00	--	--	90.24	
MW-11	ROW	03/14/11	33.29	9.33	--	0.00	--	--	23.96	
MW-11	ROW	10/14/13	33.29	11.04	--	0.00	--	--	22.25	
MW-11	ROW	03/27/14	33.29	9.38	--	0.00	--	--	23.91	
MW-11	ROW	06/10/14	33.29	9.53	--	0.00	--	--	23.76	
MW-11	ROW	07/22/14	33.29	10.60	--	0.00	--	--	22.69	
MW-11	ROW	02/20/15	33.29	15.79	--	0.00	--	--	17.50	
MW-11	ROW	11/11/15	33.29	--	--	--	--	--	--	
MW-11	ROW	04/18/16	33.29	11.82	--	0.00	--	--	21.47	
MW-11	ROW	12/07/16	33.03	12.62	--	0.00	--	--	20.41	
MW-11	ROW	06/21/17	33.03	11.32	--	0.00	--	--	21.71	
MW-11	ROW	12/05/17	33.03	12.81	--	0.00	--	--	20.22	
MW-11	ROW	06/26/18	33.03	12.24	--	0.00	--	--	20.79	
MW-11	ROW	11/27/18	33.03	13.27	--	0.00	--	--	19.76	
MW-11	ROW	06/20/19	33.03	11.98	--	0.00	--	--	21.05	
MW-11	ROW	12/17/19	33.03	13.65	--	0.00	--	--	19.38	
MW-11	ROW	06/10/20	33.03	11.60	--	0.00	--	--	21.43	
MW-11	ROW	11/10/20	33.03	12.89	--	0.00	--	--	20.14	
MW-11	ROW	06/28/21	33.03	10.69	--	0.00	--	--	22.34	
MW-11	ROW	01/06/22	33.03	12.12	--	0.00	--	--	20.91	
MW-11	ROW	06/24/22	33.03	11.89	--	0.00	--	--	21.14	
MW-11	ROW	12/16/22	33.03	13.14	--	0.00	--	--	19.89	
MW-11	ROW	06/01/23	33.03	11.96	--	0.00	--	--	21.07	
MW-11	ROW	11/28/2023	33.03	13.15	--	0.00	--	--	19.88	
MW-11	**ROW**	**5/31/2024**	**33.03**	**10.44**	**--**	**0.00**	**--**	**--**	**22.59**	
MW-12	North Yard	08/11/99	100.11	--	--	--	--	No	--	
MW-12	North Yard	10/21/99	100.11	--	--	--	--	No	--	
MW-12	North Yard	05/24/01	100.11	8.30	--	0.00	--	No	91.81	
MW-12	North Yard	06/21/01	100.11	--	--	--	--	No		
MW-12	North Yard	06/27/01	100.11	9.01	9.00	0.01	--	No	91.11	
MW-12	North Yard	03/18/02	100.11	7.91	7.87	0.04	--	No	92.23	
MW-12	North Yard	12/31/02	100.11	--	--	0.02	--	No	--	
MW-12	North Yard	04/28/03	100.11	7.36	7.27	0.09	--	No	92.82	
MW-12	North Yard	05/30/03	100.11	7.42	7.37	0.05	--	No	92.73	
MW-12	North Yard	06/26/03	100.11	8.32	Sheen	Sheen	0.10	No	91.79	
MW-12	North Yard	07/21/03	100.11	--	--	0.01	0.50	No	--	
MW-12	North Yard	08/28/03	100.11	--	--	0.03	0.75	No	--	
MW-12	North Yard	10/16/03	100.11	9.48	9.36	0.12	0.75	No	90.73	
MW-12	North Yard	11/21/03	100.11	--	--	--	--	No	--	
MW-12	North Yard	12/17/03	100.11	--	--	--	--	No	--	
MW-12	North Yard	01/29/04	100.11	8.44	8.44	0.00	0.00	No	91.67	
MW-12	North Yard	02/18/04	100.11	7.54	7.54	0.00	0.00	No	92.57	
MW-12	North Yard	03/25/04	100.11	7.54	--	0.00	--	No	92.57	
MW-12	North Yard	03/30/04	100.11	7.84	7.84	0.00	0.00	No	92.27	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-12	North Yard	09/22/04	100.11	8.69	8.65	0.04	0.25	No	91.45	
MW-12	North Yard	03/15/05	100.11	8.79	8.78	0.01	0.00	No	91.33	
MW-12	North Yard	10/04/05	100.11	13.67	13.65	0.02	<0.01	No	86.46	
MW-12	North Yard	03/29/06	100.11	7.51	7.51	0.00	0.00	No	92.60	
MW-12	North Yard	03/21/07	100.11	7.32	7.32	0.00	0.00	No	92.79	
MW-12	North Yard	03/25/08	100.11	8.09	--	0.00	--	No	92.02	
MW-12	North Yard	09/08-09/08	100.11	8.65	--	0.00	--	No	91.46	
MW-12	North Yard	12/11/08	100.11	8.62	8.61	0.01	0.00	Yes	91.50	
MW-12	North Yard	03/30-31/09	100.11	7.54	7.53	0.01	0.00	Yes	92.58	
MW-12	North Yard	06/15/09	100.11	7.92	--	0.00	--	Yes	92.19	
MW-12	North Yard	09/10-11/09	100.11	9.23	9.22	0.01	0.00	Yes	90.89	
MW-12	North Yard	02/23/10	100.11	6.90	--	0.00	--	Yes	93.21	
MW-12	North Yard	03/15/10	100.11	7.23	--	0.00	--	Yes	92.88	
MW-12	North Yard	09/15/10	100.11	8.62	Sheen	Sheen	--	Yes	91.49	
MW-12	North Yard	12/04/10	100.11	--	--	--	--	Yes	--	
MW-12	North Yard	06/10/14	32.89	7.68	7.62	0.06	0.05	Yes	25.26	
MW-12	North Yard	07/22/14	32.89	8.48	8.44	0.04	--	Yes	24.44	
MW-14	ROW	07/26/01	98.87	13.05	--	0.00	--	--	85.82	
MW-14	ROW	03/29/06	98.87	13.32	--	0.00	--	--	85.55	
MW-14	ROW	03/21/07	98.87	13.33	--	0.00	--	--	85.54	
MW-14	ROW	03/25/08	98.87	13.38	--	0.00	--	--	85.49	
MW-14	ROW	09/08-09/08	98.87	13.50	--	0.00	--	--	85.37	
MW-14	ROW	12/11/08	98.87	--	--	--	--	--	--	
MW-14	ROW	03/30-31/09	98.87	13.10	--	0.00	--	--	85.77	
MW-14	ROW	09/10-11/09	98.87	14.00	--	0.00	--	--	84.87	
MW-14	ROW	03/15/10	98.87	13.49	--	0.00	--	--	85.38	
MW-14	ROW	09/15/10	98.87	--	--	--	--	--	--	
MW-14	ROW	03/27/14	31.61	--	--	--	--	--	--	
MW-14	ROW	06/10/14	31.61	12.61	--	0.00	--	--	19.00	
MW-14	ROW	11/11/15	31.61	14.24	--	0.00	--	--	17.37	
MW-14	ROW	04/18/16	31.61	12.95	--	0.00	--	--	18.66	
MW-14	ROW	12/07/16	31.60	14.72	--	0.00	--	--	16.88	
MW-14	ROW	06/21/17	31.60	13.51	--	0.00	--	--	18.09	
MW-14	ROW	12/05/17	31.60	14.01	--	0.00	--	--	17.59	
MW-14	ROW	06/26/18	31.60	12.81	--	0.00	--	--	18.79	
MW-14	ROW	11/27/18	31.60	15.23	--	0.00	--	--	16.37	
MW-14	ROW	06/19/19	31.60	13.00	--	0.00	--	--	18.60	
MW-14	ROW	12/17/19	31.60	14.60	--	0.00	--	--	17.00	
MW-14	ROW	06/10/20	31.60	12.30	--	0.00	--	--	19.30	
MW-14	ROW	11/10/20	31.60	14.24	--	0.00	--	--	17.36	
MW-14	ROW	06/28/21	31.60	12.27	--	0.00	--	--	19.33	
MW-14	ROW	01/06/22	31.60	13.73	--	0.00	--	--	17.87	
MW-14	ROW	06/24/22	31.60	12.85	--	0.00	--	--	18.75	
MW-14	ROW	12/16/22	31.60	14.17	--	0.00	--	--	17.43	
MW-14	ROW	06/01/23	31.60	13.01	--	0.00	--	--	18.59	
MW-14	ROW	11/28/2023	31.60	15.77	--	0.00	--	--	15.83	
MW-14	**ROW**	**5/31/2024**	**31.60**	**--**	**--**	**0.00**	**--**	**--**	**--**	Unable to Locate
MW-15	ROW	08/10/99	98.83	--	--	--	--	--	--	
MW-15	ROW	10/20/99	98.83	13.96	--	0.00	--	--	84.87	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-15	ROW	07/26/01	98.83	13.04	--	0.00	--	--	85.79	
MW-15	ROW	03/18/02	98.83	13.62	--	0.00	--	--	85.21	
MW-15	ROW	06/26/03	98.83	13.05	--	0.00	--	--	85.78	
MW-15	ROW	09/16/03	98.83	14.35	--	0.00	--	--	84.48	
MW-15	ROW	03/29/06	98.83	13.00	--	0.00	--	--	85.83	
MW-15	ROW	03/21/07	98.83	13.33	--	0.00	--	--	85.50	
MW-15	ROW	03/25/08	98.83	13.36	--	0.00	--	--	85.47	
MW-15	ROW	09/08-09/08	98.83	13.46	--	0.00	--	--	85.37	
MW-15	ROW	12/11/08	98.83	--	--	--	--	--	--	
MW-15	ROW	03/30-31/09	98.83	13.12	--	0.00	--	--	85.71	
MW-15	ROW	09/10-11/09	98.83	13.97	--	0.00	--	--	84.86	
MW-15	ROW	03/15/10	98.83	15.50	--	0.00	--	--	83.33	
MW-15	ROW	09/15/10	98.83	15.87	--	0.00	--	--	82.96	
MW-15	ROW	03/14/11	98.83	14.99	--	0.00	--	--	83.84	
MW-15	ROW	03/27/14	31.60	--	--	--	--	--	--	
MW-15	ROW	06/10/14	31.60	12.66	--	0.00	--	--	18.94	
MW-15	ROW	11/11/15	31.60	14.29	--	0.00	--	--	17.31	
MW-15	ROW	04/18/16	31.60	12.81	--	0.00	--	--	18.79	
MW-15	ROW	12/07/16	31.60	14.58	--	0.00	--	--	17.02	
MW-15	ROW	06/21/17	31.60	13.63	--	0.00	--	--	17.97	
MW-15	ROW	12/05/17	31.60	13.92	--	0.00	--	--	17.68	
MW-15	ROW	06/26/18	31.60	12.95	--	0.00	--	--	18.65	
MW-15	ROW	11/27/18	31.60	14.11	--	0.00	--	--	17.49	
MW-15	ROW	06/20/19	31.60	12.94	--	0.00	--	--	18.66	
MW-15	ROW	12/17/19	31.60	14.55	--	0.00	--	--	17.05	
MW-15	ROW	06/10/20	31.60	12.21	--	0.00	--	--	19.39	
MW-15	ROW	11/10/20	31.60	14.23	--	0.00	--	--	17.37	
MW-15	ROW	06/28/21	31.60	12.65	--	0.00	--	--	18.95	
MW-15	ROW	01/06/22	31.60	13.91	--	0.00	--	--	17.69	
MW-15	ROW	06/24/22	31.60	12.52	--	0.00	--	--	19.08	
MW-15	ROW	12/16/22	31.60	14.02	--	0.00	--	--	17.58	
MW-15	ROW	06/01/23	31.60	12.67	--	0.00	--	--	18.93	
MW-15	ROW	11/28/2023	31.60	14.94	--	0.00	--	--	16.66	
MW-15	**ROW**	**5/31/2024**	**31.60**	**--**	**--**	**0.00**	**--**	**--**	**--**	Unable to Locate
MW-16	Offsite	03/21/07	--	14.49	--	0.00	--	--	--	
MW-16	Offsite	03/25/08	--	15.25	--	0.00	--	--	--	
MW-16	Offsite	09/08-09/08	--	18.51	--	0.00	--	--	--	
MW-16	Offsite	12/11/08	--	--	--	--	--	--	--	
MW-16	Offsite	03/30-31/09	--	16.11	--	0.00	--	--	--	
MW-19	ROW	08/11/99	98.10	--	--	--	--	--	--	
MW-19	ROW	10/20/99	98.10	--	--	--	--	--	--	
MW-19	ROW	06/21/01	98.10	11.99	--	0.00	--	--	86.11	
MW-19	ROW	06/26/03	98.10	12.02	--	0.00	--	--	86.08	
MW-19	ROW	09/16/03	98.10	13.67	--	0.00	--	--	84.43	
MW-19	ROW	12/15/03	98.10	13.60	--	0.00	--	--	84.50	
MW-19	ROW	03/26/04	98.10	12.74	--	0.00	--	--	85.36	
MW-19	ROW	09/23/04	98.10	12.82	--	0.00	--	--	85.28	
MW-19	ROW	03/14/05	98.10	13.16	--	0.00	--	--	84.94	
MW-19	ROW	03/29/06	98.10	12.63	--	0.00	--	--	85.47	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-19	ROW	03/21/07	98.10	12.71	--	0.00	--	--	85.39	
MW-19	ROW	03/25/08	98.10	12.70	--	0.00	--	--	85.40	
MW-19	ROW	09/08-09/08	98.10	12.81	--	0.00	--	--	85.29	
MW-19	ROW	12/11/08	98.10	--	--	--	--	--	--	
MW-19	ROW	03/30-31/09	98.10	12.57	--	0.00	--	--	85.53	
MW-19	ROW	09/10-11/09	98.10	13.30	--	0.00	--	--	84.80	
MW-19	ROW	03/15/10	98.10	12.85	--	0.00	--	--	85.25	
MW-19	ROW	09/15/10	98.10	13.18	--	0.00	--	--	84.92	
MW-19	ROW	11/16/11	30.87	13.62	--	0.00	--	--	17.25	
MW-19	ROW	06/21/12	30.87	11.93	--	0.00	--	--	18.94	
MW-19	ROW	09/20/12	30.87	13.50	--	0.00	--	--	17.37	
MW-19	ROW	12/26/12	30.87	13.55	--	0.00	--	--	17.32	
MW-19	ROW	04/24/13	30.87	12.18	--	0.00	--	--	18.69	
MW-19	ROW	06/26/13	30.87	12.08	--	0.00	--	--	18.79	
MW-19	ROW	09/18/13	30.87	12.91	--	0.00	--	--	17.96	
MW-19	ROW	10/14/13	30.87	13.10	--	0.00	--	--	17.77	
MW-19	ROW	03/27/14	30.87	12.63	--	0.00	--	--	18.24	
MW-19	ROW	06/10/14	30.87	11.95	--	0.00	--	--	18.92	
MW-19	ROW	07/22/14	30.87	12.73	--	0.00	--	--	18.14	
MW-19	ROW	02/20/15	30.87	13.84	--	0.00	--	--	17.03	
MW-19	ROW	11/11/15	30.87	13.68	--	0.00	--	--	17.19	
MW-19	ROW	04/18/16	30.87	12.25	--	0.00	--	--	18.62	
MW-19	ROW	12/07/16	30.91	13.85	--	0.00	--	--	17.06	
MW-19	ROW	06/21/17	30.91	11.75	--	0.00	--	--	19.16	
MW-19	ROW	12/05/17	30.91	13.31	--	0.00	--	--	17.60	
MW-19	ROW	06/26/18	30.91	12.26	--	0.00	--	--	18.65	
MW-19	ROW	11/27/18	30.91	13.68	--	0.00	--	--	17.23	
MW-19	ROW	06/20/19	30.91	12.31	--	0.00	--	--	18.60	
MW-19	ROW	12/17/19	30.91	13.88	--	0.00	--	--	17.03	
MW-19	ROW	06/10/20	30.91	12.09	--	0.00	--	--	18.82	
MW-19	ROW	11/10/20	30.91	13.57	--	0.00	--	--	17.34	
MW-19	ROW	06/28/21	30.91	11.70	--	0.00	--	--	19.21	
MW-19	ROW	01/06/22	30.91	14.48	--	0.00	--	--	16.43	
MW-19	ROW	06/24/22	30.91	13.23	--	0.00	--	--	17.68	
MW-19	ROW	12/16/22	30.91	14.35	--	0.00	--	--	16.56	
MW-19	ROW	06/01/23	30.91	13.19	--	0.00	--	--	17.72	
MW-19	ROW	11/28/2023	30.91	13.66	--	0.00	--	--	17.25	
MW-19	**ROW**	**5/31/2024**	**30.91**	**11.96**	**--**	**0.00**	**--**	**--**	**18.95**	
MW-20	ROW	08/11/99	98.74	--	--	--	--	--	--	
MW-20	ROW	10/20/99	98.74	13.99	--	0.00	--	--	84.75	
MW-20	ROW	09/28/00	98.74	13.41	--	0.00	--	--	85.33	
MW-20	ROW	06/21/01	98.74	12.61	--	0.00	--	--	86.13	
MW-20	ROW	03/19/02	98.74	13.69	--	0.00	--	--	85.05	
MW-20	ROW	06/26/03	98.74	12.92	--	0.00	--	--	85.82	
MW-20	ROW	09/16/03	98.74	14.29	--	0.00	--	--	84.45	
MW-20	ROW	12/15/03	98.74	14.34	--	0.00	--	--	84.40	
MW-20	ROW	03/26/04	98.74	13.36	--	0.00	--	--	85.38	
MW-20	ROW	03/14/05	98.74	13.80	--	0.00	--	--	84.94	
MW-20	ROW	03/29/06	98.74	13.26	--	0.00	--	--	85.48	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-20	ROW	03/21/07	98.74	13.33	--	0.00	--	--	85.41	
MW-20	ROW	03/25/08	98.74	13.33	--	0.00	--	--	85.41	
MW-20	ROW	09/08-09/08	98.74	13.42	--	0.00	--	--	85.32	
MW-20	ROW	12/11/08	98.74	--	--	--	--	--	--	
MW-20	ROW	03/30-31/09	98.74	--	--	--	--	--	--	
MW-20	ROW	09/10-11/09	98.74	13.92	--	0.00	--	--	84.82	
MW-20	ROW	03/15/10	98.74	13.46	--	0.00	--	--	85.28	
MW-20	ROW	09/15/10	98.74	13.79	--	0.00	--	--	84.95	
MW-20	ROW	11/16/11	31.49	14.22	--	0.00	--	--	17.27	
MW-20	ROW	06/21/12	31.49	12.53	--	0.00	--	--	18.96	
MW-20	ROW	09/20/12	31.49	14.11	--	0.00	--	--	17.38	
MW-20	ROW	12/26/12	31.49	14.20	--	0.00	--	--	17.29	
MW-20	ROW	04/23/13	31.49	12.80	--	0.00	--	--	18.69	
MW-20	ROW	06/26/13	31.49	12.70	--	0.00	--	--	18.79	
MW-20	ROW	09/18/13	31.49	13.52	--	0.00	--	--	17.97	
MW-20	ROW	10/14/13	31.49	13.72	--	0.00	--	--	17.77	
MW-20	ROW	03/27/14	31.49	13.24	--	0.00	--	--	18.25	
MW-20	ROW	06/10/14	31.49	12.51	--	0.00	--	--	18.98	
MW-20	ROW	07/22/14	31.49	13.35	--	0.00	--	--	18.14	
MW-20	ROW	02/20/15	31.49	14.46	--	0.00	--	--	17.03	
MW-20	ROW	11/11/15	31.49	14.33	--	0.00	--	--	17.16	
MW-20	ROW	04/18/16	31.49	12.75	--	0.00	--	--	18.74	
MW-20	ROW	12/07/16	31.53	14.40	--	0.00	--	--	17.13	
MW-20	ROW	06/21/17	31.53	12.55	--	0.00	--	--	18.98	
MW-20	ROW	12/05/17	31.53	14.43	--	0.00	--	--	17.10	
MW-20	ROW	06/26/18	31.53	12.89	--	0.00	--	--	18.64	
MW-20	ROW	11/27/18	31.53	14.23	--	0.00	--	--	17.30	
MW-20	ROW	06/20/19	31.53	12.88	--	0.00	--	--	18.65	
MW-20	ROW	12/17/19	31.53	14.45	--	0.00	--	--	17.08	
MW-20	ROW	06/10/20	31.53	12.51	--	0.00	--	--	19.02	
MW-20	ROW	11/10/20	31.53	14.19	--	0.00	--	--	17.34	
MW-20	ROW	06/28/21	31.53	12.70	--	0.00	--	--	18.83	
MW-20	ROW	01/06/22	31.53	14.03	--	0.00	--	--	17.50	
MW-20	ROW	06/24/22	31.53	13.07	--	0.00	--	--	18.46	
MW-20	ROW	12/16/22	31.53	14.48	--	0.00	--	--	17.05	
MW-20	ROW	06/01/23	31.53	13.11	--	0.00	--	--	18.42	
MW-20	ROW	11/28/2023	31.53	14.41	--	0.00	--	--	17.12	
MW-20	**ROW**	**5/31/2024**	**31.53**	**12.58**	**--**	**0.00**	**--**	**--**	**18.95**	
MW-21	ROW	08/10/99	98.52	--	--	--	--	--	--	
MW-21	ROW	10/19/99	98.52	--	--	--	--	--	--	
MW-21	ROW	06/21/01	98.52	12.31	--	0.00	--	--	86.21	
MW-21	ROW	03/18/02	98.52	13.36	--	0.00	--	--	85.16	
MW-21	ROW	06/26/03	98.52	12.66	--	0.00	--	--	85.86	
MW-21	ROW	09/16/03	98.52	13.98	--	0.00	--	--	84.54	
MW-21	ROW	12/15/03	98.52	14.05	--	0.00	--	--	84.47	
MW-21	ROW	03/26/04	98.52	13.08	--	0.00	--	--	85.44	
MW-21	ROW	09/23/04	98.52	13.19	--	0.00	--	--	85.33	
MW-21	ROW	03/14/05	98.52	13.51	--	0.00	--	--	85.01	
MW-21	ROW	03/29/06	98.52	12.98	--	0.00	--	--	85.54	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-21	ROW	03/21/07	98.52	13.00	--	0.00	--	--	85.52	
MW-21	ROW	03/25/08	98.52	13.02	--	0.00	--	--	85.50	
MW-21	ROW	09/08-09/08	98.52	13.14	--	0.00	--	--	85.38	
MW-21	ROW	12/11/08	98.52	--	--	--	--	--	--	
MW-21	ROW	03/30-31/09	98.52	12.86	--	0.00	--	--	85.66	
MW-21	ROW	09/10-11/09	98.52	13.63	--	0.00	--	--	84.89	
MW-21	ROW	03/15/10	98.52	13.15	--	0.00	--	--	85.37	
MW-21	ROW	09/15/10	98.52	13.51	--	0.00	--	--	85.01	
MW-21	ROW	03/14/11	98.52	13.05	--	0.00	--	--	85.47	
MW-21	ROW	09/24/11	31.26	13.51	--	0.00	--	--	17.75	
MW-21	ROW	10/10/11	31.26	13.83	--	0.00	--	--	17.43	
MW-21	ROW	06/21/12	31.26	12.24	--	0.00	--	--	19.02	
MW-21	ROW	09/20/12	31.26	13.82	--	0.00	--	--	17.44	
MW-21	ROW	12/26/12	31.26	13.86	--	0.00	--	--	17.40	
MW-21	ROW	04/23/13	31.26	12.47	--	0.00	--	--	18.79	
MW-21	ROW	06/26/13	31.26	12.39	--	0.00	--	--	18.87	
MW-21	ROW	09/18/13	31.26	13.25	--	0.00	--	--	18.01	
MW-21	ROW	10/14/13	31.26	--	--	--	--	--	--	
MW-21	ROW	03/27/14	31.26	12.98	--	0.00	--	--	18.28	
MW-21	ROW	06/10/14	31.26	12.33	--	0.00	--	--	18.93	
MW-21	ROW	07/22/14	31.26	13.05	--	0.00	--	--	18.21	
MW-21	ROW	02/20/15	31.26	14.21	--	0.00	--	--	17.05	
MW-21	ROW	11/11/15	31.26	14.19	--	0.00	--	--	17.07	
MW-21	ROW	04/18/16	31.26	12.65	--	0.00	--	--	18.61	
MW-21	ROW	12/07/16	31.30	14.20	--	0.00	--	--	17.10	
MW-21	ROW	06/21/17	31.30	12.32	--	0.00	--	--	18.98	
MW-21	ROW	12/05/17	31.30	14.11	--	0.00	--	--	17.19	
MW-21	ROW	06/26/18	31.30	12.67	--	0.00	--	--	18.63	
MW-21	ROW	11/27/18	31.30	13.97	--	0.00	--	--	17.33	
MW-21	ROW	06/20/19	31.30	12.64	--	0.00	--	--	18.66	
MW-21	ROW	12/17/19	31.30	14.22	--	0.00	--	--	17.08	
MW-21	ROW	06/10/20	31.30	12.40	--	0.00	--	--	18.90	
MW-21	ROW	11/10/20	31.30	13.93	--	0.00	--	--	17.37	
MW-21	ROW	06/28/21	31.30	12.47	--	0.00	--	--	18.83	
MW-21	ROW	01/06/22	31.30	13.81	--	0.00	--	--	17.49	
MW-21	ROW	06/24/22	31.30	12.77	--	0.00	--	--	18.53	
MW-21	ROW	12/16/22	31.30	14.55	--	0.00	--	--	16.75	
MW-21	ROW	06/01/23	31.30	12.84	--	0.00	--	--	18.46	
MW-21	ROW	11/28/2023	31.30	13.79	--	0.00	--	--	17.51	
MW-21	**ROW**	**5/31/2024**	**31.30**	**12.31**	**--**	**0.00**	**--**	**--**	**18.99**	
MW-22	ROW	08/10/99	99.76	--	--	--	--	--	--	
MW-22	ROW	10/22/99	99.76	--	--	--	--	--	--	
MW-22	ROW	01/06/00	99.76	--	--	--	--	--	--	
MW-22	ROW	01/15/01	99.76	--	--	--	--	--	--	
MW-22	ROW	06/21/01	99.76	13.53	--	0.00	--	--	86.23	
MW-22	ROW	03/18/02	99.76	14.41	--	0.00	--	--	85.35	
MW-22	ROW	07/02/02	99.76	13.56	--	0.00	--	--	86.20	
MW-22	ROW	09/03/02	99.76	14.95	--	0.00	--	--	84.81	
MW-22	ROW	12/31/02	99.76	15.22	--	0.00	--	--	84.54	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-22	ROW	06/25/03	99.76	13.91	--	0.00	--	--	85.85	
MW-22	ROW	09/16/03	99.76	15.15	--	0.00	--	--	84.61	
MW-22	ROW	12/17/03	99.76	15.03	--	0.00	--	--	84.73	
MW-22	ROW	03/25/04	99.76	14.20	--	0.00	--	--	85.56	
MW-22	ROW	09/22/04	99.76	14.28	--	0.00	--	--	85.48	
MW-22	ROW	03/14/05	99.76	14.70	--	0.00	--	--	85.06	
MW-22	ROW	03/29/06	99.76	14.21	--	0.00	--	--	85.55	
MW-22	ROW	03/21/07	99.76	14.31	--	0.00	--	--	85.45	
MW-22	ROW	03/25/08	99.76	14.35	--	0.00	--	--	85.41	
MW-22	ROW	09/08-09/08	99.76	14.47	--	0.00	--	--	85.29	
MW-22	ROW	12/11/08	99.76	--	--	--	--	--	--	
MW-22	ROW	03/30-31/09	99.76	14.09	--	0.00	--	--	85.67	
MW-22	ROW	09/10-11/09	99.76	15.02	--	0.00	--	--	84.74	
MW-22	ROW	03/15/10	99.76	14.46	--	0.00	--	--	85.30	
MW-22	ROW	09/15/10	99.76	14.82	--	0.00	--	--	84.94	
MW-22	ROW	03/14/11	99.76	14.25	--	0.00	--	--	85.51	
MW-22	ROW	03/27/14	32.68	--	--	--	--	--	--	
MW-22	ROW	06/10/14	32.68	13.65	--	0.00	--	--	19.03	
MW-22	ROW	07/22/14	32.68	14.34	--	0.00	--	--	18.34	
MW-22	ROW	11/11/15	32.68	15.31	--	0.00	--	--	17.37	
MW-22	ROW	04/18/16	32.68	13.88	--	0.00	--	--	18.80	
MW-22	ROW	12/07/16	32.68	13.98	--	0.00	--	--	18.70	
MW-22	ROW	06/21/17	32.68	13.10	--	0.00	--	--	19.58	
MW-22	ROW	12/05/17	32.68	15.19	--	0.00	--	--	17.49	
MW-22	ROW	06/26/18	32.68	13.98	--	0.00	--	--	18.70	
MW-22	ROW	11/27/18	32.68	15.23	--	0.00	--	--	17.45	
MW-22	ROW	06/20/19	32.68	13.96	--	0.00	--	--	18.72	
MW-22	ROW	12/17/19	32.68	15.52	--	0.00	--	--	17.16	
MW-22	ROW	06/10/20	32.68	13.60	--	0.00	--	--	19.08	
MW-22	ROW	11/10/20	32.68	15.23	--	0.00	--	--	17.45	
MW-22	ROW	06/28/21	32.68	13.74	--	0.00	--	--	18.94	
MW-22	ROW	01/06/22	32.68	14.42	--	0.00	--	--	18.26	
MW-22	ROW	06/24/22	32.68	13.25	--	0.00	--	--	19.43	
MW-22	ROW	12/16/22	32.68	14.70	--	0.00	--	--	17.98	
MW-22	ROW	06/01/23	32.68	13.55	--	0.00	--	--	19.13	
MW-22	ROW	11/28/2023	32.68	16.51	--	0.00	--	--	16.17	
MW-22	**ROW**	**5/31/2024**	**32.68**	**13.27**	**--**	**0.00**	**--**	**--**	**19.41**	
MW-24	North Yard	03/21/07	--	23.01	--	0.00	--	--	--	
MW-24	North Yard	03/25/08	--	23.35	--	0.00	--	--	--	
MW-24	North Yard	09/08-09/08	--	23.84	--	0.00	--	--	--	
MW-24	North Yard	12/11/08	--	--	--	--	--	--	--	
MW-24	North Yard	03/30-31/09	--	23.60	--	0.00	--	--	--	
MW-24	North Yard	09/10-11/09	--	24.13	--	0.00	--	--	--	
MW-24	North Yard	03/15/10	--	22.76	--	0.00	--	--	--	
MW-24	North Yard	09/15/10	--	23.71	--	0.00	--	--	--	
MW-24	North Yard	03/14/11	--	22.39	--	0.00	--	--	--	
MW-24	North Yard	12/26/12	69.77	22.42	--	0.00	--	--	47.35	
MW-24	North Yard	03/27/14	69.77	23.06	--	0.00	--	--	46.71	
MW-24	North Yard	06/10/14	69.77	22.85	--	0.00	--	--	46.92	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-24	North Yard	11/11/15	69.77	--	--	--	--	--	--	
MW-24	North Yard	04/18/16	69.77	--	--	--	--	--	--	
MW-24	North Yard	12/07/16	69.77	21.73	--	0.00	--	--	48.04	
MW-24	North Yard	06/21/17	69.77	20.50	--	0.00	--	--	49.27	
MW-24	North Yard	12/05/17	69.77	22.32	--	0.00	--	--	47.45	
MW-24	North Yard	06/26/18	69.77	22.49	--	0.00	--	--	47.28	
MW-24	North Yard	11/27/18	69.77	22.95	--	0.00	--	--	46.82	
MW-24	North Yard	06/20/19	69.77	22.80	--	0.00	--	--	46.97	
MW-24	North Yard	12/17/19	69.77	23.20	--	0.00	--	--	46.57	
MW-24	North Yard	06/10/20	69.77	22.74	--	0.00	--	--	47.03	
MW-24	North Yard	11/10/20	69.77	22.77	--	0.00	--	--	47.00	
MW-24	North Yard	06/28/21	69.77	22.99	--	0.00	--	--	46.78	
MW-24	North Yard	01/06/22	69.77	22.30	--	0.00	--	--	47.47	
MW-24	North Yard	06/24/22	69.77	20.99	--	0.00	--	--	48.78	
MW-24	North Yard	12/16/22	69.77	21.30	--	0.00	--	--	48.47	
MW-24	North Yard	06/01/23	69.77	21.25	--	0.00	--	--	48.52	
MW-24	North Yard	11/28/2023	69.77	24.08	--	0.00	--	--	45.69	
MW-24	**North Yard**	**5/31/2024**	**69.77**	**23.04**	**--**	**0.00**	**--**	**--**	**46.73**	
MW-25	South Yard	08/09/99	98.17	--	--	--	--	--	--	
MW-25	South Yard	10/19/99	98.17	14.37	--	0.00	--	--	83.80	
MW-25	South Yard	01/06/00	98.17	--	--	--	--	--	--	
MW-25	South Yard	07/27/00	98.17	12.41	--	0.00	--	--	85.76	
MW-25	South Yard	09/29/00	98.17	13.16	--	0.00	--	--	85.01	
MW-25	South Yard	09/29/00	98.17	13.16	--	0.00	--	--	85.01	
MW-25	South Yard	07/26/01	98.17	12.65	--	0.00	--	--	85.52	
MW-25	South Yard	03/19/02	98.17	13.12	--	0.00	--	--	85.05	
MW-25	South Yard	07/02/02	98.17	12.04	--	0.00	--	--	86.13	
MW-25	South Yard	09/03/02	98.17	13.61	--	0.00	--	--	84.56	
MW-25	South Yard	10/11/02	98.17	--	--	--	--	--	--	
MW-25	South Yard	12/31/02	98.17	13.97	--	0.00	--	--	84.20	
MW-25	South Yard	03/26/03	98.17	13.34	--	0.00	--	--	84.83	
MW-25	South Yard	04/28/03	98.17	12.13	--	0.00	--	--	86.04	
MW-25	South Yard	05/30/03	98.17	12.10	--	0.00	--	--	86.07	
MW-25	South Yard	06/25/03	98.17	12.49	--	0.00	--	--	85.68	
MW-25	South Yard	09/15/03	98.17	13.78	--	0.00	--	--	84.39	
MW-25	South Yard	12/15/03	98.17	13.88	--	0.00	--	--	84.29	
MW-25	South Yard	03/25/04	98.17	12.80	--	0.00	--	--	85.37	
MW-25	South Yard	09/22/04	98.17	12.94	--	0.00	--	--	85.23	
MW-25	South Yard	03/14/05	98.17	13.25	--	0.00	--	--	84.92	
MW-25	South Yard	03/29/06	98.17	12.72	--	0.00	--	--	85.45	
MW-25	South Yard	03/21/07	98.17	12.51	--	0.00	--	--	85.66	
MW-25	South Yard	03/25/08	98.17	12.78	--	0.00	--	--	85.39	
MW-25	South Yard	09/08-09/08	98.17	12.89	--	0.00	--	--	85.28	
MW-25	South Yard	12/11/08	98.17	--	--	--	--	--	--	
MW-25	South Yard	03/30-31/09	98.17	12.60	--	0.00	--	--	85.57	
MW-25	South Yard	09/10-11/09	98.17	13.41	--	0.00	--	--	84.76	
MW-25	South Yard	03/15/10	98.17	12.95	--	0.00	--	--	85.22	
MW-25	South Yard	09/15/10	98.17	13.25	--	0.00	--	--	84.92	
MW-25	South Yard	03/14/11	98.17	12.88	--	0.00	--	--	85.29	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-25	South Yard	09/25/11	30.91	13.50	--	0.00	--	--	17.41	
MW-25	South Yard	10/10/11	30.91	13.30	--	0.00	--	--	17.61	
MW-25	South Yard	06/21/12	30.91	12.01	--	0.00	--	--	18.90	
MW-25	South Yard	09/20/12	30.91	13.56	--	0.00	--	--	17.35	
MW-25	South Yard	12/26/12	30.91	13.76	--	0.00	--	--	17.15	
MW-25	South Yard	04/22/13	30.91	12.30	--	0.00	--	--	18.61	
MW-25	South Yard	06/26/13	30.91	12.26	--	0.00	--	--	18.65	
MW-25	South Yard	09/18/13	30.91	12.97	--	0.00	--	--	17.94	
MW-25	South Yard	10/14/13	30.91	13.22	--	0.00	--	--	17.69	
MW-25	South Yard	03/27/14	30.91	12.72	--	0.00	--	--	18.19	
MW-25	South Yard	06/10/14	30.91	12.05	--	0.00	--	--	18.86	
MW-25	South Yard	11/11/15	30.91	13.61	--	0.00	--	--	17.30	
MW-25	South Yard	04/18/16	30.91	12.28	--	0.00	--	--	18.63	
MW-25	South Yard	12/07/16	30.91	13.81	--	0.00	--	--	17.10	
MW-25	South Yard	06/21/17	30.91	12.01	--	0.00	--	--	18.90	
MW-25	South Yard	12/05/17	30.91	13.84	--	0.00	--	--	17.07	
MW-25	South Yard	06/26/18	30.91	12.31	--	0.00	--	--	18.60	
MW-25	South Yard	11/27/18	30.91	13.76	--	0.00	--	--	17.15	
MW-25	South Yard	06/20/19	30.91	12.31	--	0.00	--	--	18.60	
MW-25	South Yard	12/17/19	30.91	13.95	--	0.00	--	--	16.96	
MW-25	South Yard	06/10/20	30.91	12.00	--	0.00	--	--	18.91	
MW-25	South Yard	11/10/20	30.91	13.65	--	0.00	--	--	17.26	
MW-25	South Yard	06/28/21	30.91	12.10	--	0.00	--	--	18.81	
MW-25	South Yard	01/06/22	30.91	14.42	--	0.00	--	--	16.49	
MW-25	South Yard	06/24/22	30.91	12.17	--	0.00	--	--	18.74	
MW-25	South Yard	12/16/22	30.91	13.52	--	0.00	--	--	17.39	
MW-25	South Yard	06/01/23	30.91	12.36	--	0.00	--	--	18.55	
MW-25	South Yard	11/28/2023	30.91	13.83	--	0.00	--	--	17.08	
MW-25	**South Yard**	**5/31/2024**	**30.91**	**12.00**	**--**	**0.00**	**--**	**--**	**18.91**	
MW-26	South Yard	08/09/99	97.87	--	--	--	--	--	--	
MW-26	South Yard	10/19/99	97.87	--	--	--	--	--	--	
MW-26	South Yard	01/06/00	97.87	13.78	--	0.00	--	--	84.09	
MW-26	South Yard	04/12/00	97.87	12.12	--	0.00	--	--	85.75	
MW-26	South Yard	06/27/00	97.87	12.55	--	0.00	--	--	85.32	
MW-26	South Yard	07/26/01	97.87	12.15	--	0.00	--	--	85.72	
MW-26	South Yard	03/19/02	97.87	12.79	--	0.00	--	--	85.08	
MW-26	South Yard	12/31/02	97.87	13.97	--	0.00	--	--	83.90	
MW-26	South Yard	02/27/03	97.87	12.88	--	0.00	--	--	84.99	
MW-26	South Yard	03/26/03	97.87	13.12	--	0.00	--	--	84.75	
MW-26	South Yard	04/28/03	97.87	11.78	--	0.00	--	--	86.09	
MW-26	South Yard	05/30/03	97.87	11.73	--	0.00	--	--	86.14	
MW-26	South Yard	06/25/03	97.87	12.09	--	0.00	--	--	85.78	
MW-26	South Yard	09/15/03	97.87	13.49	--	0.00	--	--	84.38	
MW-26	South Yard	12/15/03	97.87	13.48	--	0.00	--	--	84.39	
MW-26	South Yard	09/22/04	97.87	12.55	--	0.00	--	--	85.32	
MW-26	South Yard	03/14/05	97.87	12.94	--	0.00	--	--	84.93	
MW-26	South Yard	03/29/06	97.87	12.37	--	0.00	--	--	85.50	
MW-26	South Yard	03/21/07	97.87	--	--	--	--	--	--	
MW-26	South Yard	03/25/08	97.87	12.46	--	0.00	--	--	85.41	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-26	South Yard	09/08-09/08	97.87	12.59	--	0.00	--	--	85.28	
MW-26	South Yard	12/11/08	97.87	--	--	--	--	--	--	
MW-26	South Yard	03/30-31/09	97.87	12.25	--	0.00	--	--	85.62	
MW-26	South Yard	09/10-11/09	97.87	13.01	--	0.00	--	--	84.86	
MW-26	South Yard	03/15/10	97.87	12.60	--	0.00	--	--	85.27	
MW-26	South Yard	09/15/10	97.87	12.94	--	0.00	--	--	84.93	
MW-26	South Yard	03/14/11	97.87	12.25	--	0.00	--	--	85.62	
MW-26	South Yard	09/24/11	30.62	13.20	--	0.00	--	--	17.42	
MW-26	South Yard	10/10/11	30.62	13.00	--	0.00	--	--	17.62	
MW-26	South Yard	06/21/12	30.62	11.68	--	0.00	--	--	18.94	
MW-26	South Yard	09/20/12	30.62	13.25	--	0.00	--	--	17.37	
MW-26	South Yard	09/21/12	30.62	13.28	--	0.00	--	--	17.34	
MW-26	South Yard	12/26/12	30.62	13.24	--	0.00	--	--	17.38	
MW-26	South Yard	04/22/13	30.62	11.90	--	0.00	--	--	18.72	
MW-26	South Yard	06/26/13	30.62	11.85	--	0.00	--	--	18.77	
MW-26	South Yard	09/18/13	30.62	12.68	--	0.00	--	--	17.94	
MW-26	South Yard	10/14/13	30.62	12.89	--	0.00	--	--	17.73	
MW-26	South Yard	03/27/14	30.62	12.45	--	0.00	--	--	18.17	
MW-26	South Yard	06/10/14	30.62	11.71	--	0.00	--	--	18.91	
MW-26	South Yard	11/11/15	30.62	13.11	--	0.00	--	--	17.51	
MW-26	South Yard	04/18/16	30.62	11.93	--	0.00	--	--	18.69	
MW-26	South Yard	12/07/16	30.62	13.38	--	0.00	--	--	17.24	
MW-26	South Yard	06/21/17	30.62	11.69	--	0.00	--	--	18.93	
MW-26	South Yard	12/05/17	30.62	13.38	--	0.00	--	--	17.24	
MW-26	South Yard	06/26/18	30.62	12.01	--	0.00	--	--	18.61	
MW-26	South Yard	11/27/18	30.62	13.00	--	0.00	--	--	17.62	
MW-26	South Yard	06/20/19	30.62	--	--	--	--	--	--	
MW-26	South Yard	12/17/19	30.62	13.58	--	0.00	--	--	17.04	
MW-26	South Yard	06/10/20	30.62	11.70	--	0.00	--	--	18.92	
MW-26	South Yard	11/10/20	30.62	13.29	--	0.00	--	--	17.33	
MW-26	South Yard	06/28/21	30.62	11.80	--	0.00	--	--	18.82	
MW-26	South Yard	01/06/22	30.62	13.05	--	0.00	--	--	17.57	
MW-26	South Yard	06/24/22	30.62	12.03	--	0.00	--	--	18.59	
MW-26	South Yard	12/16/22	30.62	13.40	--	0.00	--	--	17.22	
MW-26	South Yard	06/01/23	30.62	12.19	--	0.00	--	--	18.43	
MW-26	South Yard	11/28/2023	30.62	14.21	--	0.00	--	--	16.41	
MW-26	**South Yard**	**5/31/2024**	**30.62**	**11.66**	**--**	**0.00**	**--**	**--**	**18.96**	
MW-27	North Yard	09/13/99	101.17	--	--	--	--	No	--	
MW-27	North Yard	10/22/99	101.17	--	--	--	--	No	--	
MW-27	North Yard	01/06/00	101.17	--	--	--	--	No	--	
MW-27	North Yard	05/24/01	101.17	11.11	10.38	0.73	--	No	90.64	
MW-27	North Yard	06/27/01	101.17	10.07	9.29	0.78	--	No	91.72	
MW-27	North Yard	03/18/02	101.17	9.07	9.00	0.07	--	No	92.16	
MW-27	North Yard	10/16/02	101.17	--	--	0.05	--	No	--	
MW-27	North Yard	12/31/02	101.17	--	--	0.02	--	No	--	
MW-27	North Yard	06/26/03	101.17	11.08	10.83	0.25	0.25	No	90.29	
MW-27	North Yard	07/21/03	101.17	--	--	0.46	4.00	No	--	
MW-27	North Yard	08/28/03	101.17	--	--	0.21	8.00	No	--	
MW-27	North Yard	10/16/03	101.17	5.97	--	0.00	0.00	No	95.20	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-27	North Yard	11/21/03	101.17	--	--	--	0.00	No	--	
MW-27	North Yard	12/17/03	101.17	--	--	--	0.00	No	--	
MW-27	North Yard	01/29/04	101.17	10.23	9.71	0.52	2.00	No	91.36	
MW-27	North Yard	02/18/04	101.17	10.59	9.97	0.62	1.75	No	91.08	
MW-27	North Yard	03/30/04	101.17	10.54	9.77	0.77	3.00	No	91.25	
MW-27	North Yard	09/22/04	101.17	9.98	9.91	0.07	0.70	No	91.25	
MW-27	North Yard	03/15/05	101.17	11.76	11.21	0.55	0.50	No	89.85	
MW-27	North Yard	03/29/06	101.17	9.14	--	0.00	0.00	No	92.03	
MW-27	North Yard	03/21/07	101.17	7.91	7.90	0.01	<0.01	No	93.27	
MW-27	North Yard	03/25/08	101.17	10.57	--	0.00	0.00	No	90.60	
MW-27	North Yard	09/08-09/08	101.17	10.83	10.66	0.17	0.28	Yes	90.48	
MW-27	North Yard	12/11/08	101.17	11.19	11.18	0.01	0.00	Yes	89.99	
MW-27	North Yard	03/30-31/09	101.17	9.92	9.91	0.01	0.00	Yes	91.26	
MW-27	North Yard	06/15/09	101.17	9.67	9.66	0.01	0.00	Yes	91.51	
MW-27	North Yard	09/10-11/09	101.17	11.27	11.10	0.17	0.33[4]	Yes	90.04	
MW-27	North Yard	02/23/10	101.17	9.37	--	0.00	--	Yes	91.80	
MW-27	North Yard	03/15/10	101.17	9.48	9.47	0.01	0.00	Yes	91.70	
MW-27	North Yard	3/14/2011[1]	101.17	27.77	27.70	0.07	0.05[4]	Yes	73.46	
MW-27	North Yard	11/16/11	34.01	11.27	--	0.00	--	Yes	22.74	
MW-27	North Yard	12/08/11	34.01	9.78	9.69	0.09	0.05[4]	Yes	24.30	
MW-27	North Yard	03/23/12	34.01	8.18	8.15	0.03	1.00	Yes	25.85	
MW-27	North Yard	06/01/12	34.01	8.45	8.25	0.20	1.00	Yes	25.72	
MW-27	North Yard	04/22/13	34.01	7.34	7.33	0.01	0.00	Yes	26.68	
MW-27	North Yard	06/26/13	34.01	6.67	--	0.00	--	Yes	27.34	
MW-27	North Yard	09/18/13	34.01	10.76	--	0.00	--	Yes	23.25	
MW-27	North Yard	10/14/13	34.01	10.16	--	0.00	--	Yes	23.85	
MW-27	North Yard	03/27/14	34.01	7.10	7.08	0.02	--	Yes	26.93	
MW-27	North Yard	06/10/14	34.01	9.25	Sheen	Sheen	--	Yes	24.76	
MW-27	North Yard	07/22/14	34.01	10.02	10.02	0.01	--	Yes	23.99	
MW-28	North Yard	08/11/99	100.35	--	--	0.00	--	No	--	
MW-28	North Yard	10/21/99	100.35	--	--	0.00	--	No	--	
MW-28	North Yard	10/21/99	100.35	--	--	0.00	--	No	--	
MW-28	North Yard	01/06/00	100.35	6.93	--	0.00	--	No	93.42	
MW-28	North Yard	07/27/00	100.35	7.45	--	0.00	--	No	92.90	
MW-28	North Yard	09/29/00	100.35	8.50	--	0.00	--	No	91.85	
MW-28	North Yard	01/15/01	100.35	8.59	--	0.00	--	No	91.76	
MW-28	North Yard	06/21/01	100.35	7.66	--	0.00	--	No	92.69	
MW-28	North Yard	03/18/02	100.35	6.02	--	0.00	--	No	94.33	
MW-28	North Yard	06/26/03	100.35	7.57	--	0.00	--	No	92.78	
MW-28	North Yard	09/15/03	100.35	8.96	--	0.00	--	No	91.39	
MW-28	North Yard	12/15/03	100.35	7.56	--	0.00	--	No	92.79	
MW-28	North Yard	03/25/04	100.35	7.07	--	0.00	--	No	93.28	
MW-28	North Yard	09/22/04	100.35	8.16	--	0.00	--	No	92.19	
MW-28	North Yard	03/14/05	100.35	8.45	--	0.00	--	No	91.90	
MW-28	North Yard	03/29/06	100.35	6.64	--	0.00	--	No	93.71	
MW-28	North Yard	03/21/07	100.35	6.86	6.48	0.38	0.25	No	93.79	
MW-28	North Yard	03/25/08	100.35	7.25	7.08	0.17	0.25	No	93.24	
MW-28	North Yard	09/08-09/08	100.35	8.04	8.00	0.04	0.16	Yes	92.34	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-28	North Yard	12/11/08	100.35	8.15	8.14	0.01	0.00	Yes	92.21	
MW-28	North Yard	03/30-31/09	100.35	6.84	6.83	0.01	0.00	Yes	93.52	
MW-28	North Yard	06/15/09	100.35	7.21	7.20	0.01	0.00	Yes	93.15	
MW-28	North Yard	09/10-11/09	100.35	8.16	8.13	0.03	0.00	Yes	92.21	
MW-28	North Yard	02/23/10	100.35	6.39	6.38	0.01	0.00	Yes	93.97	
MW-28	North Yard	03/15/10	100.35	6.05	--	0.00	--	Yes	94.30	
MW-28	North Yard	9/15/101	100.35	7.76	7.75	0.01	--	Yes	92.60	
MW-28	North Yard	12/04/10	100.35	--	--	--	--	Yes	--	
MW-28	North Yard	03/14/11	100.35	5.30	--	0.00	--	Yes	95.05	
MW-28	North Yard	07/22/14	33.13	7.24	--	0.00	--	No	25.89	
MW-29	ROW	07/22/14	34.06	13.80	--	0.00	--	--	20.26	
MW-29	ROW	09/26/14	34.06	14.27	--	0.00	--	--	19.79	
MW-29	ROW	10/30/14	34.06	13.03	--	0.00	--	--	21.03	
MW-29	ROW	12/01/14	34.06	17.80	--	0.00	--	--	16.26	
MW-29	ROW	02/20/15	34.06	19.26	--	0.00	--	--	14.80	
MW-29	ROW	11/11/15	34.06	16.61	--	0.00	--	--	17.45	
MW-29	ROW	04/18/16	34.06	13.65	--	0.00	--	--	20.41	
MW-29	ROW	12/07/16	34.08	14.82	--	0.00	--	--	19.26	
MW-29	ROW	06/21/17	34.08	11.29	--	0.00	--	--	22.79	
MW-29	ROW	12/05/17	34.08	12.99	--	0.00	--	--	21.09	
MW-29	ROW	06/26/18	34.08	13.50	--	0.00	--	--	20.58	
MW-29	ROW	11/27/18	34.08	11.37	--	0.00	--	--	22.71	
MW-29	ROW	06/20/19	34.08	13.59	--	0.00	--	--	20.49	
MW-29	ROW	12/17/19	34.08	14.65	--	0.00	--	--	19.43	
MW-29	ROW	06/10/20	34.08	13.40	--	0.00	--	--	20.68	
MW-29	ROW	11/10/20	34.08	14.59	--	0.00	--	--	19.49	
MW-29	ROW	06/28/21	34.08	14.07	--	0.00	--	--	20.01	
MW-29	ROW	01/06/22	34.08	10.29	--	0.00	--	--	23.79	
MW-29	ROW	06/24/22	34.08	9.75	--	0.00	--	--	24.33	
MW-29	ROW	12/16/22	34.08	10.88	--	0.00	--	--	23.20	
MW-29	ROW	06/01/23	34.08	10.04	--	0.00	--	--	24.04	
MW-29	ROW	11/28/2023	34.08	12.38	--	0.00	--	--	21.70	
MW-29	**ROW**	**5/31/2024**	**34.08**	**12.03**	**--**	**0.00**	**--**	**--**	**22.05**	
MW-30	ROW	07/22/14	33.45	12.37	--	0.00	--	--	21.08	
MW-30	ROW	09/26/14	33.45	12.87	--	0.00	--	--	20.58	
MW-30	ROW	10/30/14	33.45	10.73	--	0.00	--	--	22.72	
MW-30	ROW	12/01/14	33.45	17.04	--	0.00	--	--	16.41	
MW-30	ROW	02/20/15	33.45	19.18	--	0.00	--	--	14.27	
MW-30	ROW	11/11/15	33.45	15.61	--	0.00	--	--	17.84	
MW-30	ROW	04/18/16	33.45	12.41	--	0.00	--	--	21.05	
MW-30	ROW	12/07/16	33.46	14.01	--	0.00	--	--	19.45	
MW-30	ROW	06/21/17	33.46	11.75	--	0.00	--	--	21.71	
MW-30	ROW	12/05/17	33.46	12.79	--	0.00	--	--	20.67	
MW-30	ROW	06/26/18	33.46	13.09	--	0.00	--	--	20.37	
MW-30	ROW	11/27/18	33.46	13.95	--	0.00	--	--	19.51	
MW-30	ROW	06/20/19	33.46	12.95	--	0.00	--	--	20.51	
MW-30	ROW	12/17/19	33.46	14.40	--	0.00	--	--	19.06	
MW-30	ROW	06/10/20	33.46	12.50	--	0.00	--	--	20.96	
MW-30	ROW	11/10/20	33.46	13.70	--	0.00	--	--	19.76	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MW-30	ROW	06/28/21	33.46	13.13	--	0.00	--	--	20.33	
MW-30	ROW	06/24/22	33.46	10.62	--	0.00	--	--	22.84	
MW-30	ROW	12/16/22	33.46	12.05	--	0.00	--	--	21.41	
MW-30	ROW	06/01/23	33.46	11.04	--	0.00	--	--	22.42	
MW-30	ROW	11/28/2023	33.46	13.96	--	0.00	--	--	19.50	
MW-30	**ROW**	**5/31/2024**	**33.46**	**12.86**	**--**	**0.00**	**--**	**--**	**20.60**	
AGI-2	South Yard	08/10/99	97.95	--	--	--	--	--	--	
AGI-2	South Yard	10/20/99	97.95	--	--	--	--	--	--	
AGI-2	South Yard	01/15/01	97.95	13.61	--	0.00	--	--	84.34	
AGI-2	South Yard	06/21/01	97.95	11.83	--	0.00	--	--	86.12	
AGI-2	South Yard	07/26/01	97.95	12.19	--	0.00	--	--	85.76	
AGI-2	South Yard	03/18/02	97.95	12.91	--	0.00	--	--	85.04	
AGI-2	South Yard	03/18/02	97.95	12.91	--	0.00	--	--	85.04	
AGI-2	South Yard	05/07/02	97.95	11.95	--	0.00	--	--	86.00	
AGI-2	South Yard	06/06/02	97.95	12.51	--	0.00	--	--	85.44	
AGI-2	South Yard	07/02/02	97.95	11.90	--	0.00	--	--	86.05	
AGI-2	South Yard	09/03/02	97.95	13.65	--	0.00	--	--	84.30	
AGI-2	South Yard	12/31/02	97.95	13.75	--	0.00	--	--	84.20	
AGI-2	South Yard	03/26/03	97.95	12.62	--	0.00	--	--	85.33	
AGI-2	South Yard	04/28/03	97.95	12.98	--	0.00	--	--	84.97	
AGI-2	South Yard	05/30/03	97.95	12.19	--	0.00	--	--	85.76	
AGI-2	South Yard	06/25/03	97.95	12.66	--	0.00	--	--	85.29	
AGI-2	South Yard	09/15/03	97.95	13.51	--	0.00	--	--	84.44	
AGI-2	South Yard	12/15/03	97.95	13.59	--	0.00	--	--	84.36	
AGI-2	South Yard	03/26/04	97.95	12.33	--	0.00	--	--	85.62	
AGI-2	South Yard	09/22/04	97.95	12.67	--	0.00	--	--	85.28	
AGI-2	South Yard	03/14/05	97.95	12.99	--	0.00	--	--	84.96	
AGI-2	South Yard	03/29/06	97.95	12.45	--	0.00	--	--	85.50	
AGI-2	South Yard	03/21/07	97.95	12.30	--	0.00	--	--	85.65	
AGI-2	South Yard	03/25/08	97.95	12.53	--	0.00	--	--	85.42	
AGI-2	South Yard	09/08-09/08	97.95	12.63	--	0.00	--	--	85.32	
AGI-2	South Yard	12/11/08	97.95	--	--	--	--	--	--	
AGI-2	South Yard	03/30-31/09	97.95	12.33	--	0.00	--	--	85.62	
AGI-2	South Yard	09/10-11/09	97.95	13.11	--	0.00	--	--	84.84	
AGI-2	South Yard	03/15/10	97.95	15.92	--	0.00	--	--	82.03	
AGI-2	South Yard	09/15/10	97.95	12.99	--	0.00	--	--	84.96	
AGI-2	South Yard	03/14/11	97.95	12.58	--	0.00	--	--	85.37	
AGI-2	South Yard	06/21/12	30.68	11.69	--	0.00	--	--	18.99	
AGI-2	South Yard	09/20/12	30.68	13.31	--	0.00	--	--	17.37	
AGI-2	South Yard	12/26/12	30.68	13.41	--	0.00	--	--	17.27	
AGI-2	South Yard	04/23/13	30.68	11.96	--	0.00	--	--	18.72	
AGI-2	South Yard	06/26/13	30.68	11.90	--	0.00	--	--	18.78	
AGI-2	South Yard	09/18/13	30.68	12.72	--	0.00	--	--	17.96	
AGI-2	South Yard	10/14/13	30.68	12.94	--	0.00	--	--	17.74	
AGI-2	South Yard	03/27/14	30.68	12.41	--	0.00	--	--	18.27	
AGI-2	South Yard	06/10/14	30.68	11.85	--	0.00	--	--	18.83	
AGI-2	South Yard	11/11/15	30.68	13.41	--	0.00	--	--	17.27	
AGI-2	South Yard	04/18/16	30.68	11.98	--	0.00	--	--	18.70	
AGI-2	South Yard	12/07/16	30.68	13.50	--	0.00	--	--	17.18	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
AGI-2	South Yard	06/21/17	30.68	11.80	--	0.00	--	--	18.88	
AGI-2	South Yard	12/05/17	30.68	13.64	--	0.00	--	--	17.04	
AGI-2	South Yard	06/26/18	30.68	12.06	--	0.00	--	--	18.62	
AGI-2	South Yard	11/27/18	30.68	13.41	--	0.00	--	--	17.27	
AGI-2	South Yard	06/20/19	30.68	12.10	--	0.00	--	--	18.58	
AGI-2	South Yard	12/17/19	30.68	13.68	--	0.00	--	--	17.00	
AGI-2	South Yard	06/10/20	30.68	11.80	--	0.00	--	--	18.88	
AGI-2	South Yard	11/10/20	30.68	13.35	--	0.00	--	--	17.33	
AGI-2	South Yard	06/28/21	30.68	11.90	--	0.00	--	--	18.78	
AGI-2	South Yard	01/06/22	30.68	13.22	--	0.00	--	--	17.46	
AGI-2	South Yard	06/24/22	30.68	12.64	--	0.00	--	--	18.04	
AGI-2	South Yard	12/16/22	30.68	14.11	--	0.00	--	--	16.57	
AGI-2	South Yard	06/01/23	30.68	13.02	--	0.00	--	--	17.66	
AGI-2	South Yard	11/28/2023	30.68	14.68	--	0.00	--	--	16.00	
AGI-2	**South Yard**	**5/31/2024**	**30.68**	**12.88**	**--**	**0.00**	**--**	**--**	**17.80**	
MLU-1	South Yard	10/20/99	100.18	15.33	--	0.00	--	--	84.85	
MLU-1	South Yard	01/06/00	100.18	15.75	--	0.00	--	--	84.43	
MLU-1	South Yard	04/12/00	100.18	14.35	--	0.00	--	--	85.83	
MLU-1	South Yard	06/27/00	100.18	14.24	--	0.00	--	--	85.94	
MLU-1	South Yard	09/29/00	100.18	15.12	--	0.00	--	--	85.06	
MLU-1	South Yard	06/25/03	100.18	14.41	--	0.00	--	--	85.77	
MLU-1	South Yard	09/15/03	100.18	15.72	--	0.00	--	--	84.46	
MLU-1	South Yard	12/15/03	100.18	15.70	--	0.00	--	--	84.48	
MLU-1	South Yard	03/25/04	100.18	14.75	--	0.00	--	--	85.43	
MLU-1	South Yard	09/22/04	100.18	14.88	--	0.00	--	--	85.30	
MLU-1	South Yard	03/14/05	100.18	15.21	--	0.00	--	--	84.97	
MLU-1	South Yard	03/29/06	100.18	14.65	--	0.00	--	--	85.53	
MLU-1	South Yard	03/21/07	100.18	14.64	--	0.00	--	--	85.54	
MLU-1	South Yard	03/25/08	100.18	14.70	--	0.00	--	--	85.48	
MLU-1	South Yard	09/08-09/08	100.18	--	--	--	--	--	--	
MLU-1	South Yard	12/11/08	100.18	--	--	--	--	--	--	
MLU-1	South Yard	03/30-31/09	100.18	--	--	--	--	--	--	
MLU-1	South Yard	09/10-11/09	100.18	15.32	--	0.00	--	--	84.86	
MLU-1	South Yard	03/15/10	100.18	14.82	--	0.00	--	--	85.36	
MLU-1	South Yard	09/15/10	100.18	15.21	--	0.00	--	--	84.97	
MLU-1	South Yard	03/14/11	100.18	14.19	--	0.00	--	--	85.99	
MLU-1	South Yard	06/21/12	32.90	13.96	--	0.00	--	--	18.94	
MLU-1	South Yard	09/20/12	32.90	15.51	--	0.00	--	--	17.39	
MLU-1	South Yard	09/21/12	32.90	15.51	--	0.00	--	--	17.39	
MLU-1	South Yard	12/26/12	32.90	15.31	--	0.00	--	--	17.59	
MLU-1	South Yard	04/22/13	32.90	14.14	--	0.00	--	--	18.76	
MLU-1	South Yard	06/26/13	32.90	14.05	--	0.00	--	--	18.85	
MLU-1	South Yard	09/18/13	32.90	14.92	--	0.00	--	--	17.98	
MLU-1	South Yard	10/14/13	32.90	15.50	--	0.00	--	--	17.40	
MLU-1	South Yard	03/27/14	32.90	14.61	--	0.00	--	--	18.29	
MLU-1	South Yard	06/10/14	32.90	13.97	--	0.00	--	--	18.93	
MLU-1	South Yard	11/11/15	32.90	15.56	--	0.00	--	--	17.34	
MLU-1	South Yard	04/18/16	32.90	14.26	--	0.00	--	--	18.64	
MLU-1	South Yard	12/07/16	32.90	15.65	--	0.00	--	--	17.25	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
MLU-1	South Yard	06/21/17	32.90	15.01	--	0.00	--	--	17.89	
MLU-1	South Yard	12/05/17	32.90	15.62	--	0.00	--	--	17.28	
MLU-1	South Yard	06/26/18	32.90	14.33	--	0.00	--	--	18.57	
MLU-1	South Yard	11/27/18	32.90	15.17	--	0.00	--	--	17.73	
MLU-1	South Yard	06/20/19	32.90	14.26	--	0.00	--	--	18.64	
MLU-1	South Yard	12/17/19	32.90	15.88	--	0.00	--	--	17.02	
MLU-1	South Yard	06/10/20	32.90	13.94	--	0.00	--	--	18.96	
MLU-1	South Yard	11/10/20	32.90	15.58	--	0.00	--	--	17.32	
MLU-1	South Yard	06/28/21	32.90	14.08	--	0.00	--	--	18.82	
MLU-1	South Yard	01/06/22	32.90	14.99	--	0.00	--	--	17.91	
MLU-1	South Yard	06/24/22	32.90	13.78	--	0.00	--	--	19.12	
MLU-1	South Yard	12/16/22	32.90	15.08	--	0.00	--	--	17.82	
MLU-1	South Yard	06/01/23	32.90	13.84	--	0.00	--	--	19.06	
MLU-1	South Yard	11/28/2023	32.90	15.06	--	0.00	--	--	17.84	
MLU-1	**South Yard**	**5/31/2024**	**32.90**	**12.58**	**--**	**0.00**	**--**	**--**	**20.32**	
MLU-3	South Yard	08/20/99	97.62	--	--	--	--	--	--	
MLU-3	South Yard	10/20/99	97.62	13.58	--	0.00	--	--	84.04	
MLU-3	South Yard	07/26/01	97.62	12.05	--	0.00	--	--	85.57	
MLU-3	South Yard	03/27/14	30.64	12.44	--	0.00	--	--	18.20	
MLU-3	South Yard	06/10/14	30.64	11.68	--	0.00	--	--	18.96	
MLU-3	South Yard	11/11/15	30.64	13.38	--	0.00	--	--	17.26	
MLU-3	South Yard	04/18/16	30.64	12.09	--	0.00	--	--	18.55	
MLU-3	South Yard	12/07/16	30.64	13.47	--	0.00	--	--	17.17	
MLU-3	South Yard	06/21/17	30.64	11.70	--	0.00	--	--	18.94	
MLU-3	South Yard	12/05/17	30.64	13.49	--	0.00	--	--	17.15	
MLU-3	South Yard	06/26/18	30.64	12.11	--	0.00	--	--	18.53	
MLU-3	South Yard	11/27/18	30.64	13.08	--	0.00	--	--	17.56	
MLU-3	South Yard	06/20/19	30.64	12.01	--	0.00	--	--	18.63	
MLU-3	South Yard	12/17/19	30.64	13.66	--	0.00	--	--	16.98	
MLU-3	South Yard	06/10/20	30.64	11.71	--	0.00	--	--	18.93	
MLU-3	South Yard	11/10/20	30.64	13.35	--	0.00	--	--	17.29	
MLU-3	South Yard	06/28/21	30.64	11.80	--	0.00	--	--	18.84	
MLU-3	South Yard	01/06/22	30.64	13.03	--	0.00	--	--	17.61	
MLU-3	South Yard	06/24/22	30.64	12.10	--	0.00	--	--	18.54	
MLU-3	South Yard	12/16/22	30.64	13.57	--	0.00	--	--	17.07	
MLU-3	South Yard	06/01/23	30.64	12.29	--	0.00	--	--	18.35	
MLU-3	South Yard	11/28/2023	30.64	14.79	--	0.00	--	--	15.85	
MLU-3	**South Yard**	**5/31/2024**	**30.64**	**11.68**	**--**	**0.00**	**--**	**--**	**18.96**	
EW-1	ROW	07/22/14	35.05	12.25	--	0.00	--	--	22.80	
EW-1	ROW	09/26/14	35.05	14.03	--	0.00	--	--	21.02	
EW-1	ROW	10/30/14	35.05	11.86	--	0.00	--	--	23.19	
EW-1	ROW	12/01/14	35.05	21.71	--	0.00	--	--	13.34	
EW-1	ROW	02/20/15	35.05	21.71	--	0.00	--	--	13.34	
EW-1	ROW	11/11/15	35.05	17.20	--	0.00	--	--	17.85	
EW-1	ROW	04/18/16	35.05	--	--	--	--	--	--	
EW-1	ROW	12/07/16	35.05	13.72	--	0.00	--	--	21.33	
EW-1	ROW	06/21/17	35.05	12.20	--	0.00	--	--	22.85	
EW-1	ROW	12/05/17	35.05	13.25	--	0.00	--	--	21.80	
EW-1	ROW	06/26/18	35.05	13.33	--	0.00	--	--	21.72	
EW-1	ROW	11/27/18	35.05	14.07	--	0.00	--	--	20.98	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
EW-1	ROW	06/20/19	35.05	12.20	--	0.00	--	--	22.85	
EW-1	ROW	12/17/19	35.05	14.68	--	0.00	--	--	20.37	
EW-1	ROW	06/10/20	35.05	12.68	--	0.00	--	--	22.37	
EW-1	ROW	11/10/20	35.05	13.48	--	0.00	--	--	21.57	
EW-1	ROW	06/28/21	35.05	13.96	--	0.00	--	--	21.09	
EW-1	ROW	06/24/22	35.05	10.38	--	0.00	--	--	24.67	
EW-1	ROW	12/16/22	35.05	11.38	--	0.00	--	--	23.67	
EW-1	ROW	06/01/23	35.05	10.47	--	0.00	--	--	24.58	
EW-1	ROW	11/28/2023	35.05	14.10	--	0.00	--	--	20.95	
EW-1	**ROW**	**5/31/2024**	**35.05**	**13.32**	**--**	**0.00**	**--**	**--**	**21.73**	
SMPN-1	North Yard	03/15/05	--	11.23	Sheen	Sheen	0.00	No	--	
SMPN-1	North Yard	10/04/05	--	11.96	11.72	0.24	<1/16	No	--	
SMPN-1	North Yard	03/29/06	--	9.84	--	0.00	0.00	No	--	
SMPN-1	North Yard	03/21/07	--	9.89	--	0.00	0.00	No	--	
SMPN-1	North Yard	03/25/08	--	10.36	--	0.00	0.00	No	--	
SMPN-1	North Yard	09/08-09/08	100.99	10.68	10.67	0.01	0.00	Yes	90.32	
SMPN-1	North Yard	12/11/08	100.99	11.30	--	0.00	0.00	Yes	89.69	
SMPN-1	North Yard	03/30-31/09	100.99	10.31	10.30	0.01	0.00	Yes	90.69	
SMPN-1	North Yard	06/15/09	100.99	9.73	9.72	0.01	0.00	Yes	91.27	
SMPN-1	North Yard	09/10-11/09	100.99	11.13	--	0.00	0.00	Yes	89.86	
SMPN-1	North Yard	02/23/10	100.99	9.86	--	0.00	0.00	Yes	91.13	
SMPN-1	North Yard	03/15/10	100.99	9.83	--	0.01	0.00	Yes	91.17	
SMPN-1	North Yard	09/15/10	100.99	11.13	11.12	0.01	--	Yes	89.87	
SMPN-1	North Yard	12/4/101	100.99	10.53	10.53	0.00	--	Yes	90.46	
SMPN-1	North Yard	11/16/11	33.78	11.27	--	0.00	--	Yes	22.51	
SMPN-1	North Yard	12/08/11	33.78	9.79	9.78	0.01	0.05[4]	Yes	24.00	
SMPN-1	North Yard	03/23/12	33.78	8.27	8.25	0.02	0.50	Yes	25.53	
SMPN-1	North Yard	06/01/12	33.78	8.85	--	0.00	--	Yes	24.93	
SMPN-1	North Yard	09/20/12	33.78	11.14	10.96	0.18	--	Yes	22.78	
SMPN-1	North Yard	12/26/12	33.78	8.50	--	0.00	--	Yes	25.28	
SMPN-1	North Yard	04/22/13	33.78	8.75	--	0.00	--	Yes	25.03	
SMPN-1	North Yard	06/26/13	33.78	9.54	--	0.00	--	Yes	24.24	
SMPN-1	North Yard	09/18/13	33.78	11.29	--	0.00	--	Yes	22.49	
SMPN-1	North Yard	10/14/13	33.78	10.49	--	0.00	--	Yes	23.29	
SMPN-1	North Yard	03/27/14	33.78	9.46	--	0.00	--	Yes	24.32	
SMPN-1	North Yard	06/10/14	33.78	9.23	--	0.00	--	Yes	24.55	
SMPN-2	North Yard	03/15/05	101.24	11.21	11.20	0.01	0.00	No	--	
SMPN-2	North Yard	03/29/06	101.24	9.48	--	0.00	0.00	No	--	
SMPN-2	North Yard	03/21/07	101.24	9.20	9.15	0.05	<0.05	No	--	
SMPN-2	North Yard	03/25/08	101.24	10.11	--	0.00	0.00	No	--	
SMPN-2	North Yard	09/08-09/08	101.24	10.51	10.50	0.01	0.00	Yes	90.74	
SMPN-2	North Yard	12/11/08	101.24	11.06	11.05	0.01	0.00	No	90.19	
SMPN-2	North Yard	03/30-31/09	101.24	10.12	10.11	0.01	0.00	No	91.13	
SMPN-2	North Yard	06/15/09	101.24	9.51	9.50	0.01	0.00	No	91.74	
SMPN-2	North Yard	09/10-11/09	101.24	10.99	10.98	0.01	0.00	No	90.26	
SMPN-2	North Yard	02/23/10	101.24	9.23	10.98	0.00	0.00	No	92.01	
SMPN-2	North Yard	03/15/10	101.24	9.37	9.36	0.01	0.00	No	91.88	
SMPN-2	North Yard	09/15/10	101.24	11.07	10.89	0.18	--	No	90.31	
SMPN-2	North Yard	12/04/10	101.24	10.35	10.28	0.07	--	No	90.95	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments
SMPN-2	North Yard	03/14/11	101.24	8.93	--	0.00	--	No	92.31	
SMPN-2	North Yard	11/16/11	33.85	9.97	9.96	0.01	0.05[4]	No	23.89	
SMPN-2	North Yard	12/08/11	33.85	9.61	--	0.00	--	No	24.24	
SMPN-2	North Yard	03/23/12	33.85	8.12	8.10	0.02	0.50	No	25.75	
SMPN-2	North Yard	06/01/12	33.85	8.40	8.30	0.10	1.00	No	25.53	
SMPN-2	North Yard	09/20/12	33.85	11.11	10.95	0.16	--	No	22.87	
SMPN-2	North Yard	12/26/12	33.85	8.51	--	0.00	--	No	25.34	
SMPN-2	North Yard	04/22/13	33.85	7.88	--	0.00	--	No	25.97	
SMPN-2	North Yard	06/26/13	33.85	8.70	--	0.00	--	No	25.15	
SMPN-2	North Yard	09/18/13	33.85	10.82	10.81	0.01	--	Yes	23.04	
SMPN-2	North Yard	10/14/13	33.85	10.50	--	0.00	--	Yes	23.35	
SMPN-2	North Yard	03/27/14	33.85	9.39	--	0.00	--	Yes	24.46	
SMPN-2	North Yard	06/10/14	33.85	3.74	--	0.00	--	Yes	30.11	
SMPN-3	North Yard	03/15/05	--	11.46	--	0.00	--	No	--	
SMPN-3	North Yard	03/29/06	--	9.56	--	0.00	--	No	--	
SMPN-3	North Yard	03/21/07	--	9.03	--	0.00	--	No	--	
SMPN-3	North Yard	03/25/08	--	10.30	--	0.00	--	No	--	
SMPN-3	North Yard	09/08-09/08	101.02	10.67	10.66	0.01	0.00	Yes	90.36	
SMPN-3	North Yard	12/11/08	101.02	11.26	--	0.00	--	No	89.76	
SMPN-3	North Yard	03/30-31/09	101.02	10.28	10.27	0.01	0.00	No	90.75	
SMPN-3	North Yard	06/15/09	101.02	9.59	--	0.00	--	No	91.43	
SMPN-3	North Yard	09/10-11/09	101.02	11.08	--	0.01	--	No	89.95	
SMPN-3	North Yard	02/23/10	101.02	9.44	--	0.00	--	No	91.58	
SMPN-3	North Yard	03/15/10	101.02	9.51	--	0.01	--	No	91.52	
SMPN-3	North Yard	09/15/10	101.02	11.14	--	0.00	--	No	89.88	
SMPN-3	North Yard	12/04/10	101.02	10.49	--	0.00	--	No	90.53	
SMPN-3	North Yard	03/14/11	101.02	9.12	--	0.00	--	No	91.90	
SMPN-3	North Yard	11/16/11	33.81	11.06	10.94	0.12	0.05[4]	No	22.85	
SMPN-3	North Yard	12/08/11	33.81	9.73	--	0.00	--	No	24.08	
SMPN-3	North Yard	03/23/12	33.81	8.30	--	0.00	--	No	25.51	
SMPN-3	North Yard	06/01/12	33.81	8.05	--	0.00	--	No	25.76	
SMPN-3	North Yard	09/20/12	33.81	11.22	--	0.00	--	No	22.59	
SMPN-3	North Yard	12/26/12	33.81	8.89	--	0.00	--	No	24.92	
SMPN-3	North Yard	04/22/13	33.81	8.30	--	0.00	--	No	25.51	
SMPN-3	North Yard	06/26/13	33.81	9.02	--	0.00	--	No	24.79	
SMPN-3	North Yard	09/18/13	33.81	11.06	--	0.00	--	No	22.75	
SMPN-3	North Yard	10/14/13	33.81	10.52	--	0.00	--	No	23.29	
SMPN-3	North Yard	03/27/14	33.81	8.68	--	0.00	--	No	25.13	
SMPN-3	North Yard	06/10/14	33.81	9.39	--	0.00	--	Yes	24.42	

Table 1. Groundwater Elevation and Light Non Aqueous Phase Liquid Monitoring and Removal Data
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbant Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)	Comments

Notes:

BOLD = Indicates data from current reporting period

Grey = Indicates the monitoirng well is no longer present

Groundwater elevation corrected for the presence of LNAPL using a specific gravity of 0.80; Correction factor: [(TOC-DTW)+(LNAPL x 0.80)]

[1]Well casing elevations listed in feet above NAVD 88. Approximate monitoring well locations are shown in Figure 2.

[2]Below top of casing.

[3]Elevation referenced to Horizontal Datum NAD 83/98, State Plane Coordinates Washington North Zone and Vertical Datum NAVD 88

[4]LNAPL + water removed

[5]LNAPL only removed

Acronyms and Abbreviations:

LNAPL = Light Non Aqeuous Phase Liquid

-- = not measured or not obtainable

* = Interface probe not recognizing LNAPL, bailer dropped in well, LNAPL thickness > 3 feet

Table 2. Second Quarter 2024 Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Location	Sample Date	Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) Pyrene	Dissolved Arsenic	Dissolved Lead	1- Methyl-Naphthalene	2-Methyl-Naphthalene
Site Cleanup Level		**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [1]	**5**	**--**	**--**
MW-4	5/31/2024	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.199 J**	<2.00	<0.250	<0.250
MW-7	5/31/2024	**0.732 J**	**0.359 J**	**0.939 J**	**3.05**	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**2.13**	**1.37 J**	**2.94**	**1.65**
MW-8A	5/31/2024	**0.130 J**	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.458 J**	<2.00	<0.250	<0.250
MW-8A-DUP	5/31/2024	**0.261 J**	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.482 J**	<2.00	<0.250	<0.250
AGI-2	5/31/2024	**1.06**	**0.300 J**	**9.20**	**0.271**	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**10.0**	<2.00	**0.162 J**	**0.145 J**
MLU-1	5/31/2024	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.202 J**	<2.00	<0.250	<0.250
MLU-3	5/31/2024	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.779 J**	**2.18**	<0.250	<0.250
MW-19	5/31/2024	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.454 J**	<2.00	<0.250	<0.250
MW-20	5/31/2024	<1.00	**0.619 J**	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**2.32**	<2.00	**0.330**	**0.117 J**
MW-21	5/31/2024	**0.103 J**	<1.00	<1.00	**0.171 J**	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**13.1**	<2.00	**5.33**	<0.250
MW-25	5/31/2024	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.223 J**	<2.00	<0.250	<0.250
MW-26	5/31/2024	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.763 J**	<2.00	<0.250	<0.250

Notes:
BOLD = Detect values greater than the reporting limit
BOLD and shaded = Concentrations are greater than their respective site cleanup levels
All samples were field filtered excluding benzene, ethylbenzene and toluene
All results are reported in µg/L
1 The arsenic Site CUL is two orders of magnitude below the USEPA Method 6020B PQL (or RDL) for arsenic (2 µg/L) and one order of magnitude below the USEPA Method 6020B MDL for arsenic (0.18 µg/L). Therefore, any arsenic detection will exceed the arsenic Site CUL.

Acronyms and Abbreviations:
DUP = Duplicate sample collected from MW-8A
µg/L = Micrograms per liter
CUL = Cleanup Level
MDL = Method Detection Limit
RDL = Reported Detection Limit
PQL = Praticable Quantification Limit
QA = Quality Assurance/Trip Blank
RDL = Reported Detection Limit
USEPA = United States Environmental Protection Agency

Laboratory Qualifiers:
< = Indicates concentration is less than the Method Detection Limit (MDL).
J = The concentration is an approximate value

Laboratory Analytical Methods:
Benzene, toluene, and ethylbenzene by (EPA) method 8260D
Polyaromatic hydrocarbons - benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene and naphthalene - by EPA method 8270E SIM
Dissolved lead and arsenic by EPA method 6020B

Table 3
Point of Compliance Consecutive Clean Sampling Events as of First Semi-Annual 2024
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Monitoring Well	Petroleum Constituents: Benzene, Toluene, Ethylbenzene, Naphthalene		Carcinogenic Polycyclic Aromatic Hydrocarbons		Lead	
	Current Sampling Interval	Consecutive Sampling Events in Compliance[1,2]	Current Sampling Interval	Consecutive Sampling Events in Compliance[1,2]	Current Sampling Interval	Consecutive Sampling Events in Compliance[1,2]
North Yard						
MW-19	semi-annual	25 [3]	semi-annual	17	semi-annual	24 [3]
MW-20	semi-annual	25 [3]	semi-annual	29 [3]	semi-annual	25 [3]
MW-21	semi-annual	26 [3]	semi-annual	26 [3]	semi-annual	27 [3]
South Yard						
MW-4	semi-annual	28 [3]	semi-annual	22 [3]	semi-annual	28 [3]
MW-7	semi-annual	16	semi-annual	17	semi-annual	21 [3]
MW-8A	semi-annual	26 [3]	semi-annual	26 [3]	semi-annual	27 [3]
AGI-2	semi-annual	8	semi-annual	23 [3]	semi-annual	11 [3]
MLU-1	semi-annual	26 [3]	semi-annual	25 [3]	semi-annual	26 [3]
MLU-3 [4]	semi-annual	18	semi-annual	19	semi-annual	4
MW-25	semi-annual	27 [3]	semi-annual	27 [3]	semi-annual	27 [3]
MW-26	semi-annual	27 [3]	semi-annual	27 [3]	semi-annual	27 [3]

Notes:

[1] "Consecutive events" are number of consecutive sampling events prior to and including the current reporting period that are in compliance with the groundwater Site Cleanup Levels (CULs). Events prior to 2010 are not counted. Refer to progress reports for results.

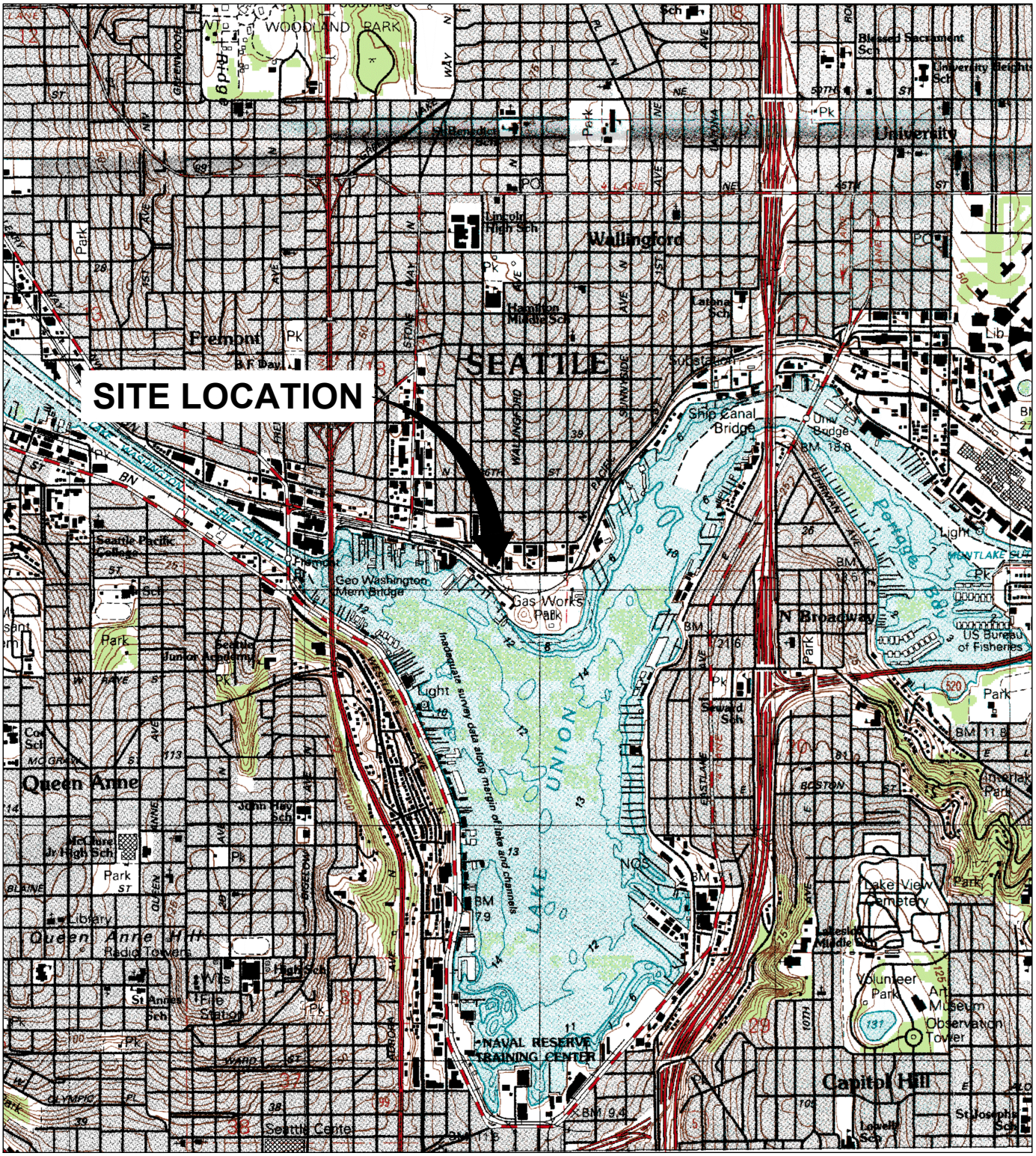
[2] Consecutive clean sampling events excludes arsenic values because laboratory limits are above the arsenic Site CUL. The arsenic Site CUL is two orders of magnitude below the USEPA Method 6020/6020A/6020B practical quantitation limit (PQL) (or reported detection limit [RDL]) for arsenic (2 µg/L) and one order of magnitude below the USEPA Method 6020/6020A/6020B Method Detection Limit (MDL) for arsenic (varying from 0.18 to 0.95 µg/L). Therefore, any arsenic detection will exceed the arsenic Site CUL.

[3] No exceedences, but constituent not analyzed consecutively every sampling event.

[4] MLU-3 only sampled 18 times since 2010. MLU-3 was sampled annually in 2014 and 2015 and semi-annually since.

Acronyms and Abbreviations:
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
USEPA = United States Environmental Protection Agency

Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., SEATTLE NORTH, WA.

0 2,000' 4,000'

Approximate Scale: 1 in. = 2,000 ft.

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON

FIRST SEMI-ANNUAL GROUNDWATER MONITORING REPORT 2024

SITE LOCATION MAP

ARCADIS

FIGURE 1

C:\Users\cm5224\DC\ACCDocs\Arcadis ACC US\AUS-99999999-CHEV_1001327_SEATTLE_WA\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GEN-F01-SITE MAP.dwg LAYOUT: 1 SAVED: 1/20/2024 8:40 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB
PLOTTED: 9/19/2024 8:33 PM BY: C. MUNIRAJU

XREFS: IMAGES: Arcadis Logo.png WA_Seattle_North.tif

N

LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- NORTH YARD
- SOUTH YARD
- PUBLIC RIGHT OF WAY

0 100' 200'

GRAPHIC SCALE

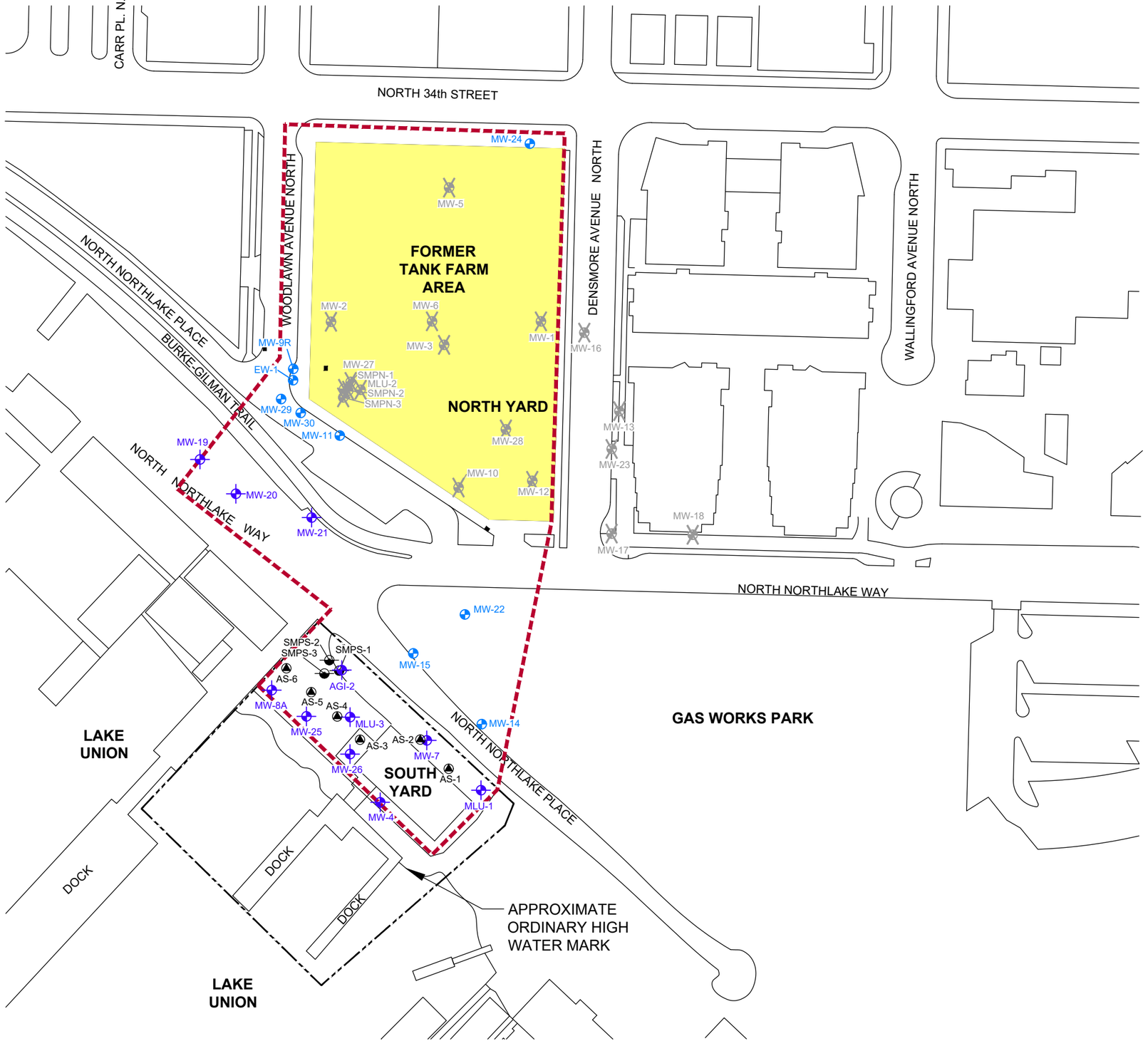
FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON

FIRST SEMI-ANNUAL GROUNDWATER MONITORING REPORT 2024

SITE AERIAL MAP

ARCADIS

FIGURE 2



LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROXIMATE)
- UNDERGROUND ELECTRIC LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
2. METRO LAKE UNION UPLAND SITE BOUNDARY APPROXIMATED BASED ON DIGITIZING 1998 CONSENT DECREE BOUNDARY.
3. THE ORDINARY HIGH WATER MARK IS THE BOUNDARY BETWEEN THE SOUTH YARD UPLANDS AND SEDIMENTS. IT IS APPROXIMATED ON THIS FIGURE BASED ON THE BASE MAP/AERIAL.
4. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS ARE GREYED OUT.
5. ALL LOCATIONS OTHER THAN CURRENT GROUNDWATER MONITORING WELLS AND COMPLIANCE MONITORING WELLS ARE APPROXIMATE

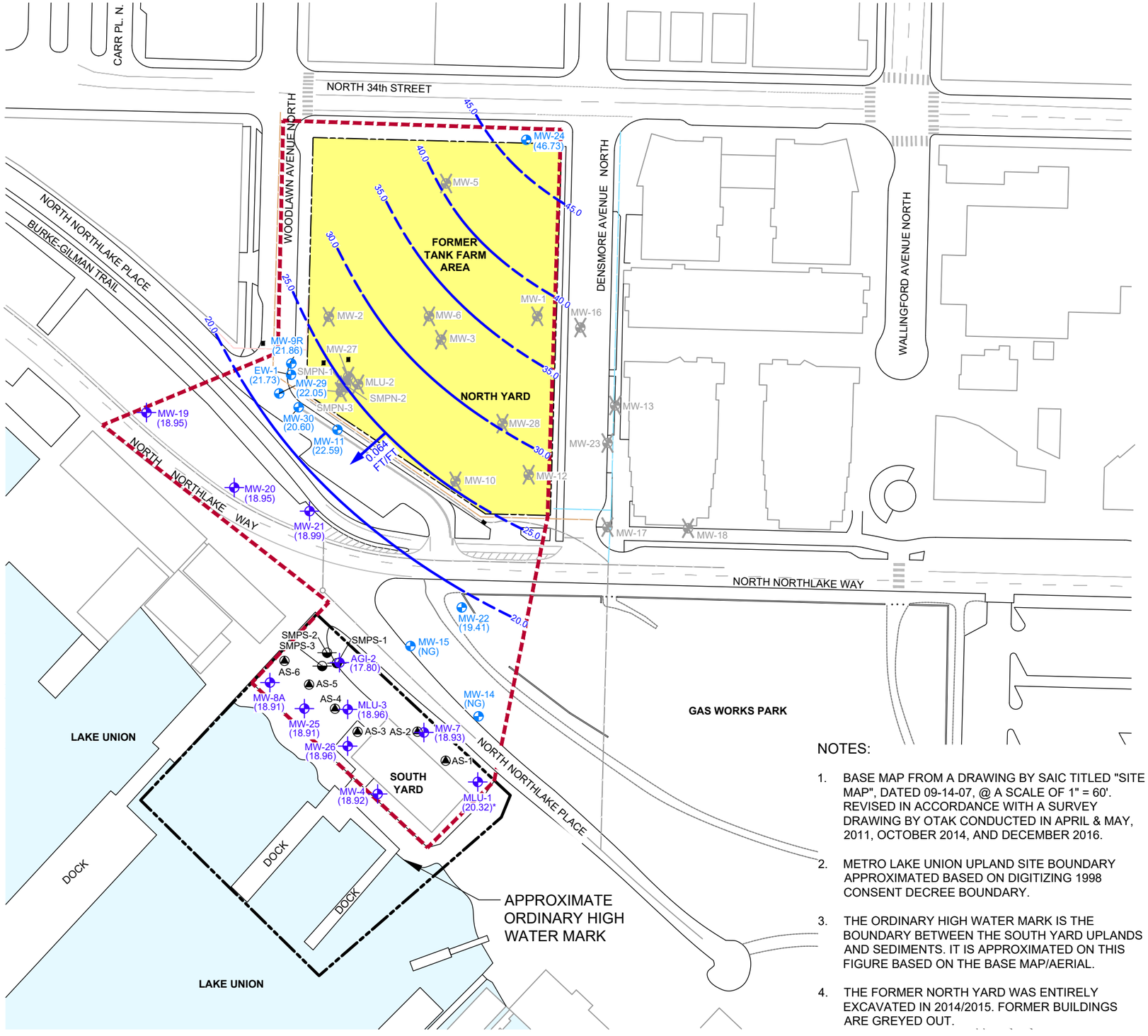
0 100' 200'
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIRST SEMI-ANNUAL GROUNDWATER MONITORING REPORT 2024

SITE PLAN

ARCADIS

FIGURE
3



LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- ABANDONED MONITORING WELL
- CATCH BASIN
- G — NATURAL GAS LINE (APPROX.)
- E — UNDERGROUND ELECTRIC LINE (APPROX.)
- W — WATER LINE (APPROX.)
- S — SEWER LINE (APPROX.)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY
- 45.0 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (46.73) GROUNDWATER ELEVATION IN FEET ABOVE NAVD 88
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW
- 0.064 FT/FT APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)
- * WELL IS NOT USED FOR CONTOURING
- (NG) NOT GAUGED

N

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
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3. THE ORDINARY HIGH WATER MARK IS THE BOUNDARY BETWEEN THE SOUTH YARD UPLANDS AND SEDIMENTS. IT IS APPROXIMATED ON THIS FIGURE BASED ON THE BASE MAP/AERIAL.
4. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS ARE GREYED OUT.

0 100' 200'
GRAPHIC SCALE

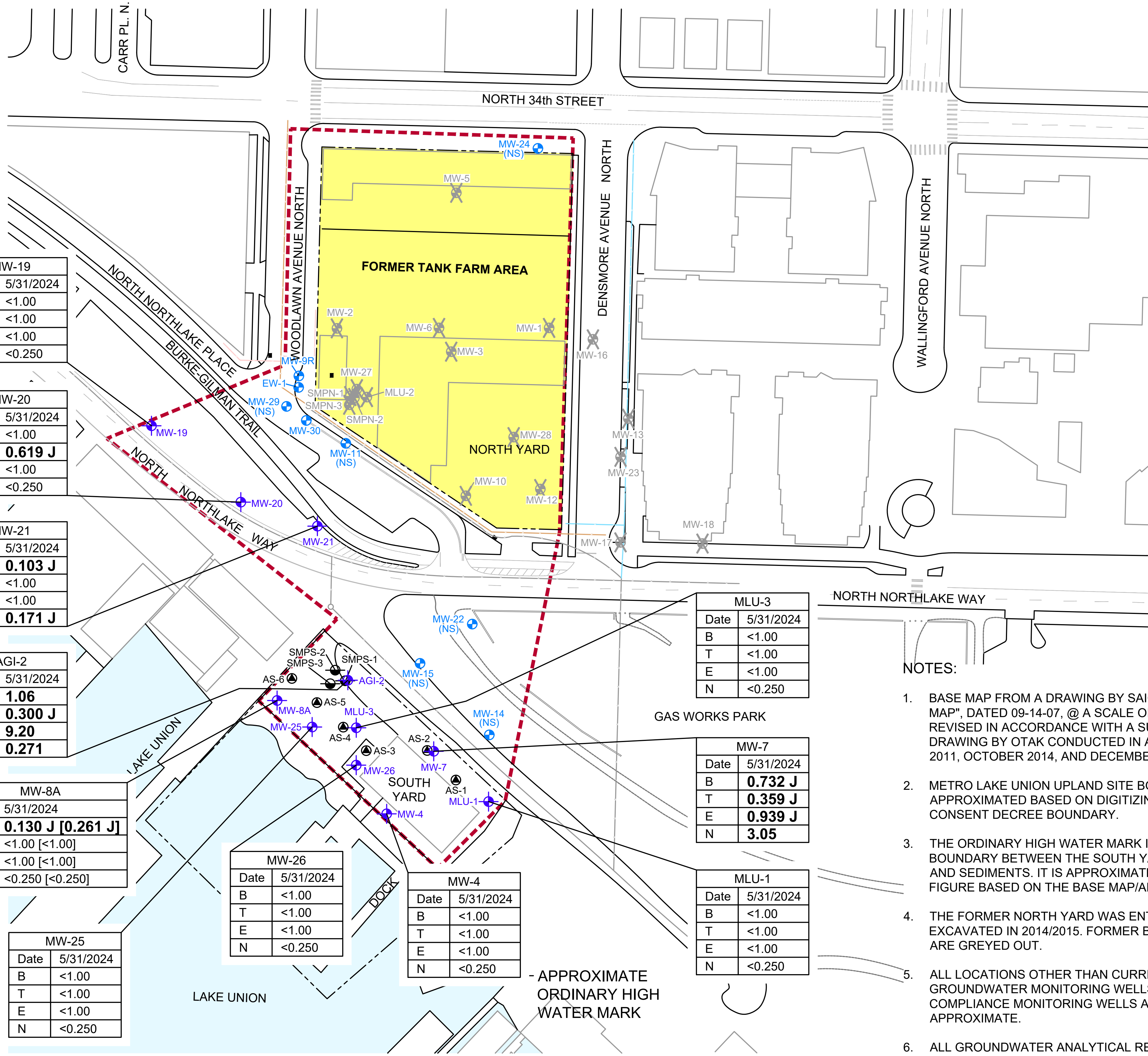
FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIRST SEMI-ANNUAL GROUNDWATER MONITORING REPORT 2024

GROUNDWATER ELEVATION CONTOUR MAP MAY 31, 2024

ARCADIS

FIGURE 4

C:\Users\cm5224\DOCACCDocs\Arcadis ACC US\AUS-99999999-CHEV_1001327_SEATTLE_WA\Project Files\10_WIP\10T_ARC_ENV\2024101-DWG\GWM-2024SA1-F04-CONTOURS.dwg LAYOUT: 4 SAVED: 8/9/2024 2:54 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: ---
PLOTTED: 9/17/2024 2:54 PM BY: C. MUNIRAJU
XREFS:
GEN-X-D-TITLE-ARC.dwg
IMAGES:
GEN-X-BASEMAP.png
GEN-X-BASEMAP



MW-19	
Date	5/31/2024
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-20	
Date	5/31/2024
B	<1.00
T	**0.619 J**
E	<1.00
N	<0.250

MW-21	
Date	5/31/2024
B	**0.103 J**
T	<1.00
E	<1.00
N	**0.171 J**

AGI-2	
Date	5/31/2024
B	**1.06**
T	**0.300 J**
E	**9.20**
N	**0.271**

MW-8A	
Date	5/31/2024
B	**0.130 J [0.261 J]**
T	<1.00 [<1.00]
E	<1.00 [<1.00]
N	<0.250 [<0.250]

MW-25	
Date	5/31/2024
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-26	
Date	5/31/2024
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-4	
Date	5/31/2024
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MLU-3	
Date	5/31/2024
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-7	
Date	5/31/2024
B	**0.732 J**
T	**0.359 J**
E	**0.939 J**
N	**3.05**

MLU-1	
Date	5/31/2024
B	<1.00
T	<1.00
E	<1.00
N	<0.250

LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROX.)
- UNDERGROUND ELECTRIC LINE (APPROX.)
- WATER LINE (APPROX.)
- SEWER LINE (APPROX.)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY
- **BOLD** BOLD VALUES INDICATE THAT THE ANALYTE WAS DETECTED ABOVE THE LABORATORY METHOD DETECTION LIMIT (MDL)
- < NOT DETECTED AT OR ABOVE THE RDL
- J RESULT IS LESS THAN THE RDL BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- [ ] DUPLICATE SAMPLE RESULTS
- (NS) NOT SAMPLED

N

Site Cleanup Levels		
B	Benzene	43
T	Toluene	48,500
E	Ethylbenzene	6,910
N	Naphthalene	9,880

0 100' 200'
GRAPHIC SCALE

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
2. METRO LAKE UNION UPLAND SITE BOUNDARY APPROXIMATED BASED ON DIGITIZING 1998 CONSENT DECREE BOUNDARY.
3. THE ORDINARY HIGH WATER MARK IS THE BOUNDARY BETWEEN THE SOUTH YARD UPLANDS AND SEDIMENTS. IT IS APPROXIMATED ON THIS FIGURE BASED ON THE BASE MAP/AERIAL.
4. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS ARE GREYED OUT.
5. ALL LOCATIONS OTHER THAN CURRENT GROUNDWATER MONITORING WELLS AND COMPLIANCE MONITORING WELLS ARE APPROXIMATE.
6. ALL GROUNDWATER ANALYTICAL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (µg/L)

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIRST SEMI-ANNUAL GROUNDWATER MONITORING REPORT 2024

GROUNDWATER ANALYTICAL RESULT MAP - PETROLEUM HYDROCARBONS MAY 31, 2024

ARCADIS

FIGURE
5

MW-20	
Date	5/31/2024
Benzo (a) anthracene	<0.0500
Benzo (a) pyrene	<0.0500
Benzo (b) fluoranthene	<0.0500
Benzo (k) fluoranthene	<0.0500
Chrysene	<0.0500
Dibenz (a,h) anthracene	<0.0500
Indeno (1,2,3-cd) Pyrene	<0.0500

MW-21	
Date	5/31/2024
Benzo (a) anthracene	<0.0500
Benzo (a) pyrene	<0.0500
Benzo (b) fluoranthene	<0.0500
Benzo (k) fluoranthene	<0.0500
Chrysene	<0.0500
Dibenz (a,h) anthracene	<0.0500
Indeno (1,2,3-cd) Pyrene	<0.0500

MW-19	
Date	5/31/2024
Benzo (a) anthracene	<0.0500
Benzo (a) pyrene	<0.0500
Benzo (b) fluoranthene	<0.0500
Benzo (k) fluoranthene	<0.0500
Chrysene	<0.0500
Dibenz (a,h) anthracene	<0.0500
Indeno (1,2,3-cd) Pyrene	<0.0500

AGI-2	
Date	5/31/2024
Benzo (a) anthracene	<0.0500
Benzo (a) pyrene	<0.0500
Benzo (b) fluoranthene	<0.0500
Benzo (k) fluoranthene	<0.0500
Chrysene	<0.0500
Dibenz (a,h) anthracene	<0.0500
Indeno (1,2,3-cd) Pyrene	<0.0500

MW-8A	
Date	5/31/2024
Benzo (a) anthracene	<0.0500 [<0.0500]
Benzo (a) pyrene	<0.0500 [<0.0500]
Benzo (b) fluoranthene	<0.0500 [<0.0500]
Benzo (k) fluoranthene	<0.0500 [<0.0500]
Chrysene	<0.0500 [<0.0500]
Dibenz (a,h) anthracene	<0.0500 [<0.0500]
Indeno (1,2,3-cd) Pyrene	<0.0500 [<0.0500]

MW-25	
Date	5/31/2024
Benzo (a) anthracene	<0.0500
Benzo (a) pyrene	<0.0500
Benzo (b) fluoranthene	<0.0500
Benzo (k) fluoranthene	<0.0500
Chrysene	<0.0500
Dibenz (a,h) anthracene	<0.0500
Indeno (1,2,3-cd) Pyrene	<0.0500

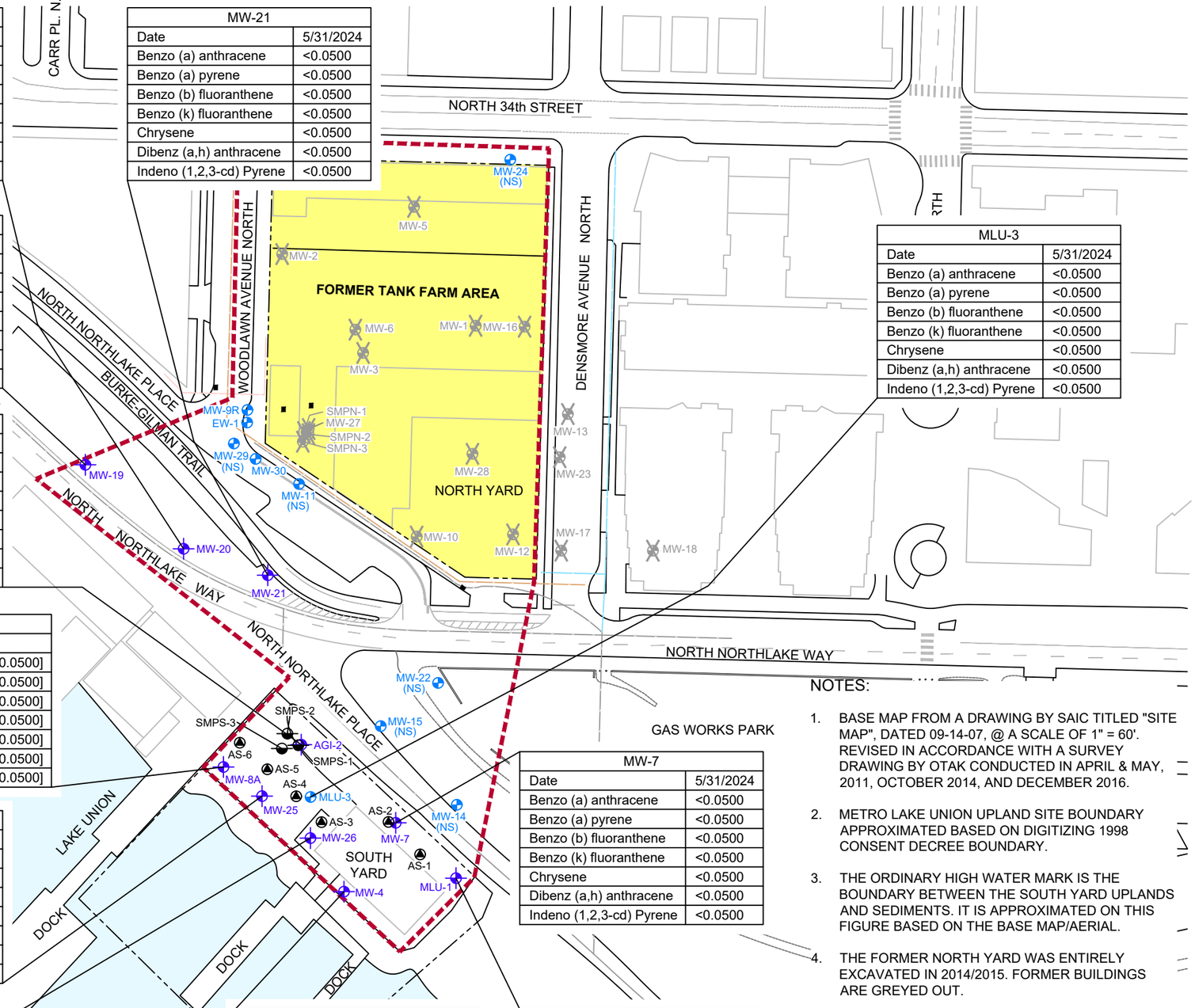
MW-26	
Date	5/31/2024
Benzo (a) anthracene	<0.0500
Benzo (a) pyrene	<0.0500
Benzo (b) fluoranthene	<0.0500
Benzo (k) fluoranthene	<0.0500
Chrysene	<0.0500
Dibenz (a,h) anthracene	<0.0500
Indeno (1,2,3-cd) Pyrene	<0.0500

MW-4	
Date	5/31/2024
Benzo (a) anthracene	<0.0500
Benzo (a) pyrene	<0.0500
Benzo (b) fluoranthene	<0.0500
Benzo (k) fluoranthene	<0.0500
Chrysene	<0.0500
Dibenz (a,h) anthracene	<0.0500
Indeno (1,2,3-cd) Pyrene	<0.0500

MW-7	
Date	5/31/2024
Benzo (a) anthracene	<0.0500
Benzo (a) pyrene	<0.0500
Benzo (b) fluoranthene	<0.0500
Benzo (k) fluoranthene	<0.0500
Chrysene	<0.0500
Dibenz (a,h) anthracene	<0.0500
Indeno (1,2,3-cd) Pyrene	<0.0500

MLU-1	
Date	5/31/2024
Benzo (a) anthracene	<0.0500
Benzo (a) pyrene	<0.0500
Benzo (b) fluoranthene	<0.0500
Benzo (k) fluoranthene	<0.0500
Chrysene	<0.0500
Dibenz (a,h) anthracene	<0.0500
Indeno (1,2,3-cd) Pyrene	<0.0500

MLU-3	
Date	5/31/2024
Benzo (a) anthracene	<0.0500
Benzo (a) pyrene	<0.0500
Benzo (b) fluoranthene	<0.0500
Benzo (k) fluoranthene	<0.0500
Chrysene	<0.0500
Dibenz (a,h) anthracene	<0.0500
Indeno (1,2,3-cd) Pyrene	<0.0500



LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- GROUNDWATER MONITORING WELL
- ABANDONED MONITORING WELL
- COMPLIANCE MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROX.)
- UNDERGROUND ELECTRIC LINE (APPROX.)
- WATER LINE (APPROX.)
- SEWER LINE (APPROX.)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY
- < INDICATES CONCENTRATION IS LESS THAN THE METHOD DETECTION LIMIT (MDL).
- [ ] DUPLICATE SAMPLE (µg/L)
- (NS) NOT SAMPLED

N

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
2. METRO LAKE UNION UPLAND SITE BOUNDARY APPROXIMATED BASED ON DIGITIZING 1998 CONSENT DECREE BOUNDARY.
3. THE ORDINARY HIGH WATER MARK IS THE BOUNDARY BETWEEN THE SOUTH YARD UPLANDS AND SEDIMENTS. IT IS APPROXIMATED ON THIS FIGURE BASED ON THE BASE MAP/AERIAL.
4. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS ARE GREYED OUT.
5. ALL LOCATIONS OTHER THAN CURRENT GROUNDWATER MONITORING WELLS AND COMPLIANCE MONITORING WELLS ARE APPROXIMATE.
6. ARSENIC AND LEAD SAMPLES WERE FIELD FILTERED WITH A DISPOSABLE 0.45 MICRON FILTER.
7. ALL GROUNDWATER ANALYTICAL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (µg/L)

Site Cleanup Levels	
Benzo (a) anthracene	0.0296
Benzo (a) pyrene	0.0296
Benzo (b) fluoranthene	0.0296
Benzo (k) fluoranthene	0.0296
Chrysene	0.0296
Dibenz (a,h) anthracene	0.0296
Indeno (1,2,3-cd) Pyrene	0.0296

0 100' 200'
GRAPHIC SCALE

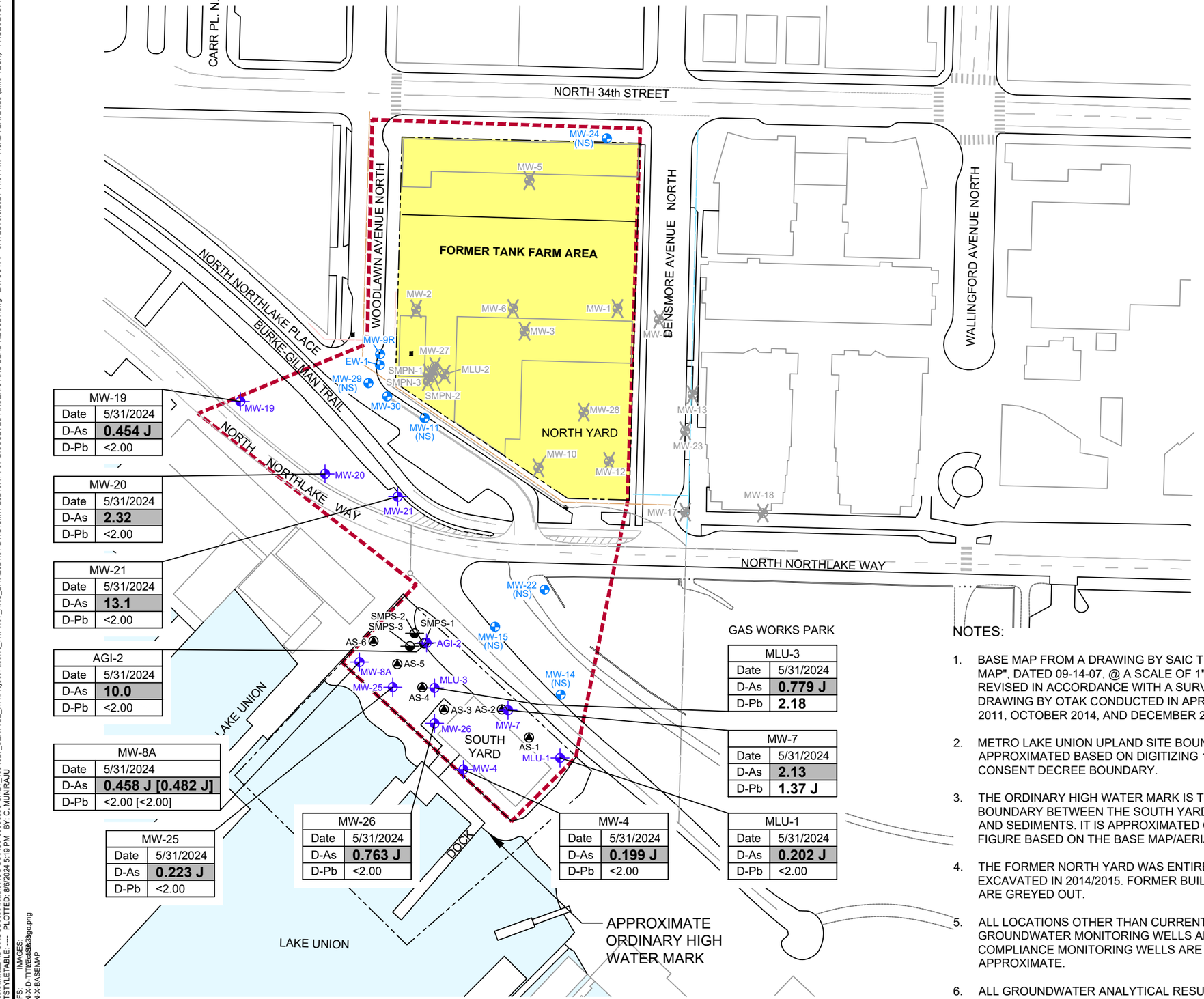
FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON

FIRST SEMI-ANNUAL GROUNDWATER MONITORING REPORT 2024

GROUNDWATER ANALYTICAL RESULT MAP - cPAH ANALYTICAL RESULTS MAY 31, 2024

ARCADIS

FIGURE 6



LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROX.)
- UNDERGROUND ELECTRIC LINE (APPROX.)
- WATER LINE (APPROX.)
- SEWER LINE (APPROX.)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY
- **BOLD** CONCENTRATIONS ARE GREATER THAN THEIR RESPECTIVE SITE CLEANUP LEVELS
- **BOLD** DETECT VALUES GREATER THAN THE REPORTING LIMIT
- < INDICATES CONCENTRATION IS LESS THAN THE METHOD DETECTION LIMIT (MDL)
- J RESULT IS LESS THAN THE RDL BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- [ ] DUPLICATE SAMPLE RESULTS
- (NS) NOT SAMPLED

N

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
2. METRO LAKE UNION UPLAND SITE BOUNDARY APPROXIMATED BASED ON DIGITIZING 1998 CONSENT DECREE BOUNDARY.
3. THE ORDINARY HIGH WATER MARK IS THE BOUNDARY BETWEEN THE SOUTH YARD UPLANDS AND SEDIMENTS. IT IS APPROXIMATED ON THIS FIGURE BASED ON THE BASE MAP/AERIAL.
4. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS ARE GREYED OUT.
5. ALL LOCATIONS OTHER THAN CURRENT GROUNDWATER MONITORING WELLS AND COMPLIANCE MONITORING WELLS ARE APPROXIMATE.
6. ALL GROUNDWATER ANALYTICAL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (µg/L)

Site Cleanup Levels		
D-As	Dissolved Arsenic	0.0982
D-Pb	Dissolved Lead	5

0 100' 200'
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIRST SEMI-ANNUAL GROUNDWATER MONITORING REPORT 2024

GROUNDWATER ANALYTICAL RESULTS MAP - DISSOLVED METALS MAY 31, 2024

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FIGURE 7

Appendix A

Field Notes

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

June 10, 2024

ARCADIS
Sam Miles
320 Commerce, Suite 200
Irvine, CA 92602, CA

Second Quarter 2024 Monitoring at
Site Number 1001327
1602 North Northlake Way
Seattle, WA

Monitoring performed on May 31, 2024

Blaine Tech Services, Inc. Groundwater Monitoring Event 240531-AR1

This submission covers the routine monitoring of groundwater wells conducted on May 31, 2024 at this location. Eighteen monitoring wells were measured for depth to groundwater (DTW) and presence of separate-phase hydrocarbons (SPH). Eleven monitoring wells were sampled. We were unable to ocate wells MW-14 and MW-15. The area was overgrown with blackberry bushes. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels and separate-phase measurements were collected using an electronic water level meter or oil-water interface detector. All sampled wells were sampled utilizing the Low-flow Sampling Method. Purging was accomplished using peristaltic pumps, bladder pumps, electric submersible pumps, positive air-displacement pumps. All reused equipment was decontaminated with de-ionized water and Liquinox or equivalent.

Samples were delivered under chain-of-custody to Pace Analytical for analysis. Monitoring well purgewater and equipment rinsate water was collected and transported under bill of lading to Blaine Tech Services, Inc.'s yard in Carson, California, and bulked for future transportation (within 90 days) under non-hazardous manifest for disposal at Evoqua Water Technologies, a licensed facility located in Vernon, CA.

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, Bill of Lading, and Chain-of-Custody.

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE
1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 WWW.BLAINETECH.COM

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Thank you,

Ryan Prevost
Blaine Tech Services, Inc
Project Manager

attachments: Well Gauging Sheet
Individual Well Monitoring Data Sheets
Chain of Custody Forms
Wellhead Inspection Form
Bill of Lading

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE
1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 WWW.BLAINETECH.COM

ARCADIS

Groundwater Gauging Log

Project Number	30064328
Client:	Chevron
Site ID:	1001327
Site Location:	Seattle, Washington
Measuring Point:	Top of Casing
Date(s):	05/31/2024
Sampler(s):	Aimee Rike, Diana Ojeda
Gauging Equipment:	Interface Probe

Well ID	Date	Gauging Time	Static Water Level (ft bmp)	Depth to Product (ft	Total Depth (ft bmp)	PID Reading (ppm)	LNAPL Removed (gal)	Comments
MW-4	05/31/2024	08:20	15.00	ND	19.75	--	--	--
MW-7	05/31/2024	08:07	12.20	ND	16.49	--	--	--
MW-8A	05/31/2024	08:08	11.40	ND	24.47	--	--	--
MW-9R	05/31/2024	08:45	14.48	ND	21.69	--	--	--
MW-11	05/31/2024	12:54	10.44	ND	15.48	--	--	--
MW-14	05/31/2024	--	--	ND	--	--	--	Unable to Locate
MW-15	05/31/2024	--	--	ND	--	--	--	Unabel to Locate
MW-19	05/31/2024	08:07	11.96	ND	16.51	--	--	--
MW-20	05/31/2024	08:10	12.58	ND	21.85	--	--	--
MW-21	05/31/2024	08:29	12.31	ND	19.81	--	--	--
MW-22	05/31/2024	08:35	13.27	ND	20.39	--	--	--
MW-24	05/31/2024	08:54	23.04	ND	27.80	--	--	--
MW-25	05/31/2024	08:11	12.00	ND	19.34	--	--	--
MW-26	05/31/2024	08:14	11.66	ND	20.47	--	--	--
MW-29	05/31/2024	08:39	12.03	ND	21.41	--	--	--
MW-30	05/31/2024	08:41	12.86	ND	20.53	--	--	--
AGI-2	05/31/2024	08:24	12.88	ND	22.89	--	--	--
EW-1	05/31/2024	08:42	13.32	ND	21.76	--	--	--
MLU-1	05/31/2024	08:10	12.58	ND	21.85	--	--	--
MLU-3	05/31/2024	08:17	11.68	ND	21.32	--	--	--

ft-bmp = feet below measuring point ND = Not Detected PID = Photoionization Detector Reading

ppm = parts per million -- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30078450	**Well ID**	MW-4	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Cloudy	**Sampled by**	Diana Ojeda
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	9.7 to 19.4	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	15	**Total Depth (ft-bmp)**	19.75	**Water Column (ft)**	4.75	**Gallons in Well**	0.77
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**			Grab
Sample Time	11:00	**Well Volumes Purged**	1.03	**Sample ID**	MW-4-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	10:42	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	10:57	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:45	200	15.1	6.26	0.110	7.0	3.84	18.29	0.2	--	--
10:48	200	15.13	6.17	0.110	7.0	3.27	17.85	8.7	--	--
10:51	200	15.13	6.11	0.112	5.0	3.66	17.82	15.2	--	--
10:54	200	15.17	6.07	0.110	5.0	3.64	17.83	20.2	--	--
10:57	200	15.2	6.06	0.110	5.0	3.64	17.79	22.4	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	MW-4-W-20240531	Sample Time:	11:00	Sample Depth (ft-bmp) (e.g. pump intake):	17.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	15.21

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30078450	**Well ID**	MW-7	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Cloudy	**Sampled by**	Diana Ojeda
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	6.5 to 16.5	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	12.2	**Total Depth (ft-bmp)**	16.49	**Water Column (ft)**	4.29	**Gallons in Well**	0.7
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	11:29	**Well Volumes Purged**	1.13	**Sample ID**	MW-7-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	11:11	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	11:26	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:14	200	12.31	5.76	0.081	15.0	2.15	20.12	57.6	--	--
11:17	200	12.31	5.68	0.074	12.0	2.11	20.15	62.7	--	--
11:20	200	12.34	5.55	0.073	8.0	2.02	20.20	74.6	--	--
11:23	200	12.35	5.52	0.074	8.0	2.01	20.19	76	--	--
11:26	200	12.39	5.48	0.075	9.0	1.97	20.29	79.7	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	MW-7-W-20240531	Sample Time:	11:29	Sample Depth (ft-bmp) (e.g. pump intake):	14
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	12.39

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-8A	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Cloudy	**Sampled by**	Diana Ojeda
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	11.4	**Total Depth (ft-bmp)**	24.47	**Water Column (ft)**	13.07	**Gallons in Well**	2.12
Water Quality Meter Make/Model	Hach 2100Q,Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	

Sample Time	10:08	**Well Volumes Purged**	0.37	**Sample ID**	MW-8A-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	09:50	**Gallons Purged**	0.79	**Duplicate ID**	BD-W-20240531	**Sample Equipment**	Peristaltic
Purge End	10:06	**Total Purge Time (h:m)**	0:16				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:53	200	11.59	6.22	0.064	56.0	2.38	15.05	225.6	--	--
09:56	200	11.66	6.14	0.064	47.0	2.37	15.10	229.7	--	--
09:59	200	11.71	5.84	0.064	43.0	2.34	15.44	242.9	--	--
10:02	200	11.76	5.77	0.064	41.0	2.33	15.52	248.7	--	--
10:05	200	11.79	5.74	0.064	40.0	2.32	15.55	245.1	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-8A-W-20240531 Sample Time: 10:08 Sample Depth (ft-bmp) (e.g. pump intake): 17.5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-19	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	11.96	**Total Depth (ft-bmp)**	16.51	**Water Column (ft)**	4.55	**Gallons in Well**	0.74
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	

Sample Time	10:00	**Well Volumes Purged**	1.07	**Sample ID**	MW-19-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	09:43	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	09:59	**Total Purge Time (h:m)**	0:16				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:46	200	11.96	5.90	0.304	12.0	0.11	17.14	130.4	--	--
09:49	200	11.96	5.86	0.298	12.0	0.03	17.58	132.6	--	--
09:52	200	11.96	5.73	0.291	16.0	0.01	17.66	135.1	--	--
09:55	200	11.96	5.73	0.286	15.0	0.01	17.75	133.2	--	--
09:58	200	11.96	5.71	0.283	16.0	0.01	17.89	131.2	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-19-W-20240531 Sample Time: 10:00 Sample Depth (ft-bmp) (e.g. pump intake): 14.5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-20	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	12.58	**Total Depth (ft-bmp)**	21.85	**Water Column (ft)**	9.27	**Gallons in Well**	1.51
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	
Sample Time	10:35	**Well Volumes Purged**	0.52	**Sample ID**	MW-20-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	10:18	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	10:34	**Total Purge Time (h:m)**	0:16				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:21	200	12.58	6.04	0.741	14.0	0.16	18.18	54.1	--	--
10:24	200	12.58	6.03	0.749	15.0	0.06	18.64	42.5	--	--
10:27	200	12.58	6.04	0.752	15.0	0.04	18.92	32.3	--	--
10:30	200	12.58	6.06	0.754	15.0	0.04	18.99	24.8	--	--
10:33	200	12.58	6.07	0.753	15.0	0.04	18.92	23.9	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-20-W-20240531 Sample Time: 10:35 Sample Depth (ft-bmp) (e.g. pump intake): 16.5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-21	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	12.31	**Total Depth (ft-bmp)**	19.81	**Water Column (ft)**	7.5	**Gallons in Well**	1.22
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	
Sample Time	11:55	**Well Volumes Purged**	0.65	**Sample ID**	MW-21-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	11:38	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	11:54	**Total Purge Time (h:m)**	0:16				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:41	200	12.31	5.82	0.491	19.0	0.28	20.17	52.8	--	--
11:44	200	12.31	6.01	0.544	19.0	0.17	20.64	41.1	--	--
11:47	200	12.31	6.11	0.558	19.0	0.16	21.04	32.7	--	--
11:50	200	12.31	6.17	0.562	18.0	0.16	21.04	32.1	--	--
11:53	200	12.31	6.15	0.562	19.0	0.15	21.29	31.8	Clear	--

Comments: MS/MSD performed on BTE analysis only

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-21-W-20240531 Sample Time: 11:55 Sample Depth (ft-bmp) (e.g. pump intake): 15.5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-25	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Cloudy	**Sampled by**	Diana Ojeda
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	5 to 20	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	12	**Total Depth (ft-bmp)**	19.34	**Water Column (ft)**	7.34	**Gallons in Well**	1.19
Water Quality Meter Make/Model	Hach 2100Q,Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	

Sample Time	10:52	**Well Volumes Purged**	0.67	**Sample ID**	MW-11-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	10:34	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	10:49	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:37	200	12.09	5.84	0.516	62.0	2.24	17.60	260.3	--	--
10:40	200	12.14	5.84	0.515	50.0	2.23	17.87	255.9	--	--
10:43	200	12.17	5.84	0.517	48.0	2.22	17.93	258.8	--	--
10:46	200	12.19	5.85	0.520	48.0	2.20	18.06	256	--	--
10:49	200	12.21	5.86	0.520	46.0	2.18	18.13	253.8	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-11-W-20240531 Sample Time: 10:52 Sample Depth (ft-bmp) (e.g. pump intake): 15.5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30078450	**Well ID**	MW-26	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Cloudy	**Sampled by**	Diana Ojeda
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	5 to 20	**Casing Diameter (in.)**	4	**Well Casing Material**	
Static Water Level (ft-bmp)	11.66	**Total Depth (ft-bmp)**	20.47	**Water Column (ft)**	8.81	**Gallons in Well**	5.73
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**			Grab
Sample Time	10:07	**Well Volumes Purged**	0.14	**Sample ID**	MW-26-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	09:49	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	10:04	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:52	200	11.69	7.22	0.283	7.0	3.34	15.64	105.5	--	--
09:55	200	11.71	6.94	0.283	7.0	3.20	15.35	110.5	--	--
09:58	200	11.71	6.47	0.285	5.0	3.08	15.00	117.6	--	--
10:01	200	11.74	6.46	0.282	5.0	3.07	15.15	117.6	--	--
10:04	200	11.76	6.45	0.283	5.0	3.06	15.18	117.7	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-26-W-20240531 Sample Time: 10:07 Sample Depth (ft-bmp) (e.g. pump intake): 16

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 11.77

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	AGI-2	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Cloudy	**Sampled by**	Diana Ojeda
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	12.88	**Total Depth (ft-bmp)**	22.89	**Water Column (ft)**	10.01	**Gallons in Well**	1.63
Water Quality Meter Make/Model	Hach 2100Q,Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	

Sample Time	11:24	**Well Volumes Purged**	0.49	**Sample ID**	AGI-2-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	11:06	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	11:21	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:09	200	12.96	6.11	0.388	33.0	2.26	15.37	123.5	--	--
11:12	200	13.06	6.11	0.388	28.0	2.26	15.34	120.5	--	--
11:15	200	13.13	6.10	0.388	27.0	2.25	15.33	115.2	--	--
11:18	200	13.2	6.10	0.389	25.0	2.24	15.44	111.4	--	--
11:21	200	13.22	6.11	0.389	26.0	2.24	15.40	110.3	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: AGI-2-W-20240531 Sample Time: 11:24 Sample Depth (ft-bmp) (e.g. pump intake): 18

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MLU-1	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	10 to 20	**Casing Diameter (in.)**	4	**Well Casing Material**	
Static Water Level (ft-bmp)	13.42	**Total Depth (ft-bmp)**	22.5	**Water Column (ft)**	9.08	**Gallons in Well**	5.9
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**			Grab
Sample Time	11:20	**Well Volumes Purged**	0.13	**Sample ID**	MLU-1-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	11:00	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	11:19	**Total Purge Time (h:m)**	0:19				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:03	200	13.42	5.78	0.107	19.0	1.21	17.71	42.7	--	--
11:06	200	13.42	5.63	0.105	21.0	1.19	17.97	52.9	--	--
11:09	200	13.42	5.53	0.106	20.0	1.13	17.89	66.8	--	--
11:12	200	13.42	5.46	0.105	19.0	1.11	17.86	67.5	--	--
11:15	200	13.42	5.45	0.105	19.0	1.13	17.86	67.9	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MLU-1-W-20240531 Sample Time: 11:20 Sample Depth (ft-bmp) (e.g. pump intake): 17.5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30078450	**Well ID**	MLU-3	**Date**	5/31/2024		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Cloudy	**Sampled by**	Diana Ojeda
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	11 to 21	**Casing Diameter (in.)**	4	**Well Casing Material**	
Static Water Level (ft-bmp)	11.68	**Total Depth (ft-bmp)**	21.32	**Water Column (ft)**	9.64	**Gallons in Well**	6.27
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**			Grab
Sample Time	10:32	**Well Volumes Purged**	0.13	**Sample ID**	MLU-3-W-20240531	**Purge Equipment**	Peristaltic
Purge Start	10:14	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	10:30	**Total Purge Time (h:m)**	0:16				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:17	200	11.72	6.34	0.178	10.0	2.62	15.54	73.5	--	--
10:20	200	11.72	6.22	0.176	7.0	2.52	15.42	61	--	--
10:23	200	11.72	6.00	0.176	7.0	2.31	15.34	32	--	--
10:26	200	11.73	5.97	0.176	6.0	2.28	15.45	28.6	--	--
10:29	200	11.74	5.96	0.175	6.0	2.27	15.35	27.6	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	MLU-3-W-20240531	Sample Time:	10:32	Sample Depth (ft-bmp) (e.g. pump intake):	16.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	11.75

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Company Name/Address:
Arcadis - Chevron - WA

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Samuel Miles

Email To:
molly.whitcomb@arcadis.com;samuel.miles@ar

Project Description:
1001327

City/State Collected: **Seattle WA**

Please Circle: PT MT CT ET

Phone:

Client Project #
30064328.19.45

Lab Project #
CHEVARCWA-1001327

Collected by (print):
Aimee Rice

Site/Facility ID #
1602 N NORTHLAKE PL

P.O. #

Collected by (signature):

Immediately
Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTE 8260 40mlAmb-HCl	FF Diss As,Pb 6020 250mlHDPE HNO3	cPAH/Naphs 8270SIM 40mlAmb-NoPres-WT	Remarks	Sample # (lab only)
MW-4-W-20240531	G	GW	—	5/31/24	1100	6	X	X	X		
MW-7-W-20240531		GW	—		1129	6	X	X	X		
MW-8A-W-20240531		GW	—		1008	6	X	X	X		
MW-19-W-20240531		GW	—		1000	6	X	X	X		
MW-20-W-20240531		GW	—		1035	6	X	X	X		
MW-21-W-20240531		GW	—		1155	12	X	X	X	*MS/MSD*	
MW-25-W-20240531		GW	—		1052	6	X	X	X		
MW-26-W-20240531		GW	—		1007	6	X	X	X		
AG1-2-W-20240531		GW	—		1124	6	X	X	X		
MW-1-W-20240531		GW	—		1120	6	X	X	X		

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
MS/MSD only on BTE

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)
Date: Time:
Received by: (Signature) Shipped via fedex
Trip Blank Received: Yes / No HCL / MeoH TBR

Relinquished by : (Signature)
Date: Time:
Received by: (Signature)
Temp: °C Bottles Received:
If preservation required by Login: Date/Time

Relinquished by : (Signature)
Date: Time:
Received for lab by: (Signature)
Date: Time:
Hold:
Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG #

Table #

Acctnum: **CHEVARCWA**
Template: **T242563**
Prelogin: **P1040773**
PM: **110 - Brian Ford**
PB:

Shipped Via:

Company Name/Address:
Arcadis - Chevron - WA

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Samuel Miles

Email To:
molly.whitcomb@arcadis.com;samuel.miles@ar

Project Description:
1001327

City/State Collected: Seattle WA

Please Circle: PT MT CT ET

Phone:

Client Project #
30064328.19.45

Lab Project #
CHEVARCWA-1001327

Collected by (print):
Aimee Rike

Site/Facility ID #
1602 N NORTHLAKE PL

P.O. #

Collected by (signature):

Immediately
Packed on Ice N____ Y____

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTE 8260 40mlAmb-HCl	FF Diss As,Pb 6020 250mlHDPE HNO3	cPAH/Naphs 8270SIM 40mlAmb-NoPres-WT
MLV-3-W-20240531	G	GW	–	5/31/24	1032	6	X	X	X
BD-W-20240531		GW	–		1200	6	X	X	X
EQB-W-20240531		GW	–		1210	6	X	X	X
TB-W-20240531		GW	–		0900	2	X		
		GW							

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG #

Table #

Acctnum: **CHEVARCWA**
Template: **T242563**
Prelogin: **P1040773**
PM: **110 - Brian Ford**
PB:

Shipped Via:

Remarks	Sample # (lab only)

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
			Shipped Via fedex		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / OK

Well Inspection Log

ARCADIS

Client:	Chevron
Site ID:	1001327
Site Location:	Seattle, Washington
Date(s):	5/31/2024
Inspector(s):	Aimee Rike, Diana Ojeda

Well ID	Date	Easy to Locate?	Area Prone to Flooding?	Well Type	Well Housing/Pad in Good Condition?	Well Labels Present Outside Well?	Well Labels Present Inside Well?	Lock Present?	Lock Functioning?	Well Locked at Arrival?	Photos Taken?	Comments
MW-4	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-7	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-8A	05/31/2024	yes	no	flushmount	yes	no	yes	yes	yes	yes	No	--
MW-9R	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-11	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-14	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-15	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-19	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-20	05/31/2024	yes	no	flushmount	yes	yes	yes	no	--	--	No	--
MW-21	05/31/2024	yes	no	flushmount	yes	yes	yes	no	--	--	No	--
MW-22	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-24	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-25	05/31/2024	yes	no	flushmount	yes	no	yes	yes	yes	yes	No	--
MW-26	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-29	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-30	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
AGI-2	05/31/2024	yes	no	flushmount	yes	no	yes	yes	yes	yes	No	--
EW-1	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MLU-1	05/31/2024	yes	no	flushmount	yes	yes	yes	no	--	--	No	--
MLU-3	05/31/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 1602 N Northlake Place, Seattle, WA.				PROJECT NUMBER 20240531-AR1.			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Hanna	08020054101	5/31/24 @ 0645	4.0 pH 7.0 10.0	4.04 7.09 10.07	✓	20.1	AK
			Cond 3900 ORP 237.5 DO 100	3904 236.7 104.1	✓	20.1	AR

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 1602 N North Lake Place, Seattle				PROJECT NUMBER 1001327			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
HANNA	074600037107	5/31/24 @ 0645	pH 4 7 10	4.06 7.01 9.92	✓	19.8	DO
			Cond 3900 ORP 237.5 DO 100	3905 238.4 100.6	✓	19.8	DO
HANNA	074600111101	05/31/24 @ 0638	pH 4 7 10	3.95 7.05 9.97	✓	20.1	MH
			COND 3900 ORP 237.5 DO 100	3881 238.1 94	✓	20.3	MH

CHEVRON-WASHINGTON/OREGON TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF WASHINGTON AND OREGON. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN KENT, WASHINGTON FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

1001327 — CHEVRON #

Sam Miles. — Chevron Project Manager

1602 N Northlake Place , Seattle , WA.

Street number / street name / city / state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-4	1.0	MW-3	1.0
MW-7	1.0		
MW-8A	1.0		
MW-19	1.0		
MW-20	1.0		
MW-21	1.0		
MW-25	1.0		
MW-26	1.0		
AGI-2	1.0		
MW-1	1.0		

added equip. 1.0
rinse water / ~~0.5~~

any other adjustments /

TOTAL GALS. RECOVERED 11

loaded onto BTS vehicle # 163

BTS event # 20240531-AR1. time 1400 date 05 / 31 / 24

signature

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: Arcadis Date 05/31/2024

Site Address: 1602 N Northlake Place, Seattle, WA.

Job Number: 20240531-AR1. Technician(s): AR / DO / MH / SM.

Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed. Reviewed: ☒

2. Special Permit Required Task Review

Are there any conditions or tasks that would require:	**Yes**	**No**
Confined space entry	☐	☒
Working at height	☐	☒
Lock-out/Tag-out	☐	☒
Excavations greater than 4 feet deep	☐	☒
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	☐	☒
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	☐	☒
Hot work	☐	☒

If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.

	Yes	**No**
3. Is a Traffic Control Permit required for today's work?	☐	☐
If so is it in the folder?	☐	☐
Is it current?	☐	☐
Do you understand the Traffic Control Plan and what equipment you will need?	☐	☐

On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	☒
2. Route to hospital understood.	☒
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	☒
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	☒
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	☒
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.	☒
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	☒
8. After lunch tailgate safety meeting refresher conducted.	☒

If Checklist Task cannot be completed, explain:

Permit To Work Authority: Technician 05/31/24

Name Title Date Time

Appendix B

Hydraulic Gradient Three Point Solution Worksheet

Hydraulic Gradient and Flow Direction Calculator

Well	Well ID	Groundwater Elevation (ft amsl)	Measure from:	Elevation Difference (ft)
Highest Elevation	MW-24	46.73	High to Int.	27.78
Intermediate Elevation	MW-19	18.95	Int. to Low	1.15
Lowest Elevation	AGI-2	17.80	Low to high	28.93

Horizontal Distance Between Highest and Lowest Elevation Wells			
Measured Horizontal Distance on Map (in)	Map Scale Factor (1 inch = X ft) (ft)	Actual Horizontal Distance (ft)	Gradient between Highest and Lowest Wells (ft/ft)
5.1769	100	517.69	17.89

Horizontal Distance Between Highest and Lowest Elevation Wells Where GW Elevation Is Equal to the Intermediate Elevation Well (ft)	**Measured Map Distance (in)**
497.11	4.97

Horizontal Distance Between Highest Elevation Well and Drawn Intermediate Contour Line (ft)	**Measured Map Distance (in)**
433.93	4.3393

Calculated Hydraulic Gradient (ft/ft)
0.064

Look at the example tab for detailed step by step view of below process

<---- **plot point** on map this distance from the highest elevation well towards the lowest elevation well

Draw a **contour line** from the intermediate elevation well to the **plotted point**.

This represents that along the drawn **contour line**, the goundwater elevation is the same as the intermediate well groundwater elevation.

Draw a **perpindicular line** from the highest elevation well towards the drawn **contour line** from the intermediate elevation well.

The **perpindicular line** is the groundwater flow direction from high to low.

Appendix C

Laboratory Analytical Results

ANALYTICAL REPORT

June 19, 2024

Arcadis - Chevron - WA

Sample Delivery Group:	L1743455
Samples Received:	06/05/2024
Project Number:	30064328.19.45
Description:	1001327
Site:	1602 N NORTHLAKE PL SEATTLE
Report To:	Samuel Miles

Entire Report Reviewed By:

Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

MW-4-W-20240531 L1743455-01 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 11:00 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301725	1	06/11/24 11:21	06/12/24 19:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 09:53	06/10/24 09:53	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 10:12	06/13/24 10:12	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 09:17	JCH	Mt. Juliet, TN

MW-7-W-20240531 L1743455-02 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 11:29 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301725	1	06/11/24 11:21	06/12/24 19:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 10:14	06/10/24 10:14	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 10:32	06/13/24 10:32	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 09:34	JCH	Mt. Juliet, TN

MW-8A-W-20240531 L1743455-03 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 10:08 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301725	1	06/11/24 11:21	06/12/24 19:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 10:36	06/10/24 10:36	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 10:52	06/13/24 10:52	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 09:52	JCH	Mt. Juliet, TN

MW-19-W-20240531 L1743455-04 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 10:00 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301725	1	06/11/24 11:21	06/12/24 19:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 10:57	06/10/24 10:57	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 11:13	06/13/24 11:13	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 07:41	MBE	Mt. Juliet, TN

MW-20-W-20240531 L1743455-05 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 10:35 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301725	1	06/11/24 11:21	06/12/24 19:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 11:18	06/10/24 11:18	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 11:33	06/13/24 11:33	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 07:59	MBE	Mt. Juliet, TN

MW-21-W-20240531 L1743455-06 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 11:55 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301745	1	06/13/24 12:22	06/18/24 21:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 11:40	06/10/24 11:40	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 11:53	06/13/24 11:53	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 08:16	MBE	Mt. Juliet, TN

MW-25-W-20240531 L1743455-07 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 10:52 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301725	1	06/11/24 11:21	06/12/24 19:40	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 12:01	06/10/24 12:01	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 12:13	06/13/24 12:13	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 08:34	MBE	Mt. Juliet, TN

MW-26-W-20240531 L1743455-08 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 10:07 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301725	1	06/11/24 11:21	06/12/24 19:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 12:23	06/10/24 12:23	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 12:33	06/13/24 12:33	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 08:51	MBE	Mt. Juliet, TN

AGI-2-W-20240531 L1743455-09 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 11:24 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301745	1	06/13/24 12:22	06/18/24 21:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 12:44	06/10/24 12:44	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 12:54	06/13/24 12:54	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 09:09	MBE	Mt. Juliet, TN

MW-1-W-20240531 L1743455-10 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 11:20 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301745	1	06/13/24 12:22	06/18/24 21:40	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 13:06	06/10/24 13:06	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 13:14	06/13/24 13:14	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 09:27	MBE	Mt. Juliet, TN

MW-3-W-20240531 L1743455-11 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 10:32 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301745	1	06/13/24 12:22	06/18/24 21:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 14:10	06/10/24 14:10	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 13:34	06/13/24 13:34	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 09:44	MBE	Mt. Juliet, TN

BD-W-20240531 L1743455-12 GW

Collected by: Aimee Rike | Collected date/time: 05/31/24 12:00 | Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301745	1	06/13/24 12:22	06/18/24 21:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 14:32	06/10/24 14:32	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 13:55	06/13/24 13:55	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 10:02	MBE	Mt. Juliet, TN

EQB-W-20240531 L1743455-13 GW

Collected by: Aimee Rike
Collected date/time: 05/31/24 12:10
Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2301745	1	06/13/24 12:22	06/18/24 21:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 09:31	06/10/24 09:31	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 09:51	06/13/24 09:51	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2299558	1	06/06/24 16:50	06/07/24 10:19	MBE	Mt. Juliet, TN

TB-W-20240531 L1743455-14 GW

Collected by: Aimee Rike
Collected date/time: 05/31/24 09:00
Received date/time: 06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301895	1	06/10/24 09:10	06/10/24 09:10	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2303878	1	06/13/24 09:31	06/13/24 09:31	DYW	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

Lab Sample ID	Project Sample ID	Method
R4080899-12		6020B
R4080899-9		6020B

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.199	J	0.180	2.00	1	06/12/2024 19:23	WG2301725
Lead,Dissolved	U		0.849	2.00	1	06/12/2024 19:23	WG2301725

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	06/10/2024 09:53	WG2301895
Toluene	U		0.278	1.00	1	06/10/2024 09:53	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 10:12	WG2303878
(S) Toluene-d8	*103*			*80.0-120*		*06/10/2024 09:53*	WG2301895
(S) Toluene-d8	*88.9*			*80.0-120*		*06/13/2024 10:12*	WG2303878
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/10/2024 09:53*	WG2301895
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/13/2024 10:12*	WG2303878
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/10/2024 09:53*	WG2301895
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*06/13/2024 10:12*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 09:17	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 09:17	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 09:17	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 09:17	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 09:17	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 09:17	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 09:17	WG2299558
Naphthalene	U		0.0917	0.250	1	06/07/2024 09:17	WG2299558
1-Methylnaphthalene	U		0.0687	0.250	1	06/07/2024 09:17	WG2299558
2-Methylnaphthalene	U		0.0674	0.250	1	06/07/2024 09:17	WG2299558
(S) Nitrobenzene-d5	*111*			*31.0-160*		*06/07/2024 09:17*	WG2299558
(S) 2-Fluorobiphenyl	*117*			*48.0-148*		*06/07/2024 09:17*	WG2299558
(S) p-Terphenyl-d14	*136*			*37.0-146*		*06/07/2024 09:17*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	2.13		0.180	2.00	1	06/12/2024 19:26	WG2301725
Lead,Dissolved	1.37	J	0.849	2.00	1	06/12/2024 19:26	WG2301725

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.732	J	0.0941	1.00	1	06/10/2024 10:14	WG2301895
Toluene	0.359	J	0.278	1.00	1	06/10/2024 10:14	WG2301895
Ethylbenzene	0.939	J	0.137	1.00	1	06/13/2024 10:32	WG2303878
(S) Toluene-d8	*102*			*80.0-120*		*06/10/2024 10:14*	WG2301895
(S) Toluene-d8	*83.7*			*80.0-120*		*06/13/2024 10:32*	WG2303878
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/10/2024 10:14*	WG2301895
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/13/2024 10:32*	WG2303878
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*06/10/2024 10:14*	WG2301895
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*06/13/2024 10:32*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 09:34	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 09:34	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 09:34	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 09:34	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 09:34	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 09:34	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 09:34	WG2299558
Naphthalene	3.05		0.0917	0.250	1	06/07/2024 09:34	WG2299558
1-Methylnaphthalene	2.94		0.0687	0.250	1	06/07/2024 09:34	WG2299558
2-Methylnaphthalene	1.65		0.0674	0.250	1	06/07/2024 09:34	WG2299558
(S) Nitrobenzene-d5	*118*			*31.0-160*		*06/07/2024 09:34*	WG2299558
(S) 2-Fluorobiphenyl	*115*			*48.0-148*		*06/07/2024 09:34*	WG2299558
(S) p-Terphenyl-d14	*128*			*37.0-146*		*06/07/2024 09:34*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.458	J	0.180	2.00	1	06/12/2024 19:30	WG2301725
Lead,Dissolved	U		0.849	2.00	1	06/12/2024 19:30	WG2301725

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	0.130	J	0.0941	1.00	1	06/10/2024 10:36	WG2301895
Toluene	U		0.278	1.00	1	06/10/2024 10:36	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 10:52	WG2303878
(S) Toluene-d8	*104*			*80.0-120*		*06/10/2024 10:36*	WG2301895
(S) Toluene-d8	*89.7*			*80.0-120*		*06/13/2024 10:52*	WG2303878
(S) 4-Bromofluorobenzene	*115*			*77.0-126*		*06/10/2024 10:36*	WG2301895
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/13/2024 10:52*	WG2303878
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/10/2024 10:36*	WG2301895
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*06/13/2024 10:52*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 09:52	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 09:52	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 09:52	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 09:52	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 09:52	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 09:52	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 09:52	WG2299558
Naphthalene	U		0.0917	0.250	1	06/07/2024 09:52	WG2299558
1-Methylnaphthalene	U		0.0687	0.250	1	06/07/2024 09:52	WG2299558
2-Methylnaphthalene	U		0.0674	0.250	1	06/07/2024 09:52	WG2299558
(S) Nitrobenzene-d5	*111*			*31.0-160*		*06/07/2024 09:52*	WG2299558
(S) 2-Fluorobiphenyl	*118*			*48.0-148*		*06/07/2024 09:52*	WG2299558
(S) p-Terphenyl-d14	*135*			*37.0-146*		*06/07/2024 09:52*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.454	J	0.180	2.00	1	06/12/2024 19:33	WG2301725
Lead,Dissolved	U		0.849	2.00	1	06/12/2024 19:33	WG2301725

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	06/10/2024 10:57	WG2301895
Toluene	U		0.278	1.00	1	06/10/2024 10:57	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 11:13	WG2303878
(S) Toluene-d8	*103*			*80.0-120*		*06/10/2024 10:57*	WG2301895
(S) Toluene-d8	*88.3*			*80.0-120*		*06/13/2024 11:13*	WG2303878
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/10/2024 10:57*	WG2301895
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/13/2024 11:13*	WG2303878
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*06/10/2024 10:57*	WG2301895
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*06/13/2024 11:13*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 07:41	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 07:41	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 07:41	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 07:41	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 07:41	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 07:41	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 07:41	WG2299558
Naphthalene	U		0.0917	0.250	1	06/07/2024 07:41	WG2299558
1-Methylnaphthalene	U		0.0687	0.250	1	06/07/2024 07:41	WG2299558
2-Methylnaphthalene	U		0.0674	0.250	1	06/07/2024 07:41	WG2299558
(S) Nitrobenzene-d5	*138*			*31.0-160*		*06/07/2024 07:41*	WG2299558
(S) 2-Fluorobiphenyl	*112*			*48.0-148*		*06/07/2024 07:41*	WG2299558
(S) p-Terphenyl-d14	*113*			*37.0-146*		*06/07/2024 07:41*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	2.32		0.180	2.00	1	06/12/2024 19:36	WG2301725
Lead,Dissolved	U		0.849	2.00	1	06/12/2024 19:36	WG2301725

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	06/10/2024 11:18	WG2301895
Toluene	0.619	J	0.278	1.00	1	06/10/2024 11:18	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 11:33	WG2303878
(S) Toluene-d8	*101*			*80.0-120*		*06/10/2024 11:18*	WG2301895
(S) Toluene-d8	*89.0*			*80.0-120*		*06/13/2024 11:33*	WG2303878
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/10/2024 11:18*	WG2301895
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/13/2024 11:33*	WG2303878
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/10/2024 11:18*	WG2301895
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*06/13/2024 11:33*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 07:59	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 07:59	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 07:59	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 07:59	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 07:59	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 07:59	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 07:59	WG2299558
Naphthalene	U		0.0917	0.250	1	06/07/2024 07:59	WG2299558
1-Methylnaphthalene	0.330		0.0687	0.250	1	06/07/2024 07:59	WG2299558
2-Methylnaphthalene	0.117	J	0.0674	0.250	1	06/07/2024 07:59	WG2299558
(S) Nitrobenzene-d5	*155*			*31.0-160*		*06/07/2024 07:59*	WG2299558
(S) 2-Fluorobiphenyl	*92.1*			*48.0-148*		*06/07/2024 07:59*	WG2299558
(S) p-Terphenyl-d14	*110*			*37.0-146*		*06/07/2024 07:59*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	13.1		0.180	2.00	1	06/18/2024 21:05	WG2301745
Lead,Dissolved	U		0.849	2.00	1	06/18/2024 21:05	WG2301745

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.103	J	0.0941	1.00	1	06/10/2024 11:40	WG2301895
Toluene	U		0.278	1.00	1	06/10/2024 11:40	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 11:53	WG2303878
(S) Toluene-d8	*101*			*80.0-120*		*06/10/2024 11:40*	WG2301895
(S) Toluene-d8	*81.8*			*80.0-120*		*06/13/2024 11:53*	WG2303878
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/10/2024 11:40*	WG2301895
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*06/13/2024 11:53*	WG2303878
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*06/10/2024 11:40*	WG2301895
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*06/13/2024 11:53*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 08:16	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 08:16	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 08:16	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 08:16	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 08:16	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 08:16	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 08:16	WG2299558
Naphthalene	0.171	J	0.0917	0.250	1	06/07/2024 08:16	WG2299558
1-Methylnaphthalene	5.33		0.0687	0.250	1	06/07/2024 08:16	WG2299558
2-Methylnaphthalene	U		0.0674	0.250	1	06/07/2024 08:16	WG2299558
(S) Nitrobenzene-d5	*139*			*31.0-160*		*06/07/2024 08:16*	WG2299558
(S) 2-Fluorobiphenyl	*116*			*48.0-148*		*06/07/2024 08:16*	WG2299558
(S) p-Terphenyl-d14	*115*			*37.0-146*		*06/07/2024 08:16*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.223	J	0.180	2.00	1	06/12/2024 19:40	WG2301725
Lead,Dissolved	U		0.849	2.00	1	06/12/2024 19:40	WG2301725

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	06/10/2024 12:01	WG2301895
Toluene	U		0.278	1.00	1	06/10/2024 12:01	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 12:13	WG2303878
(S) Toluene-d8	*105*			*80.0-120*		*06/10/2024 12:01*	WG2301895
(S) Toluene-d8	*87.3*			*80.0-120*		*06/13/2024 12:13*	WG2303878
(S) 4-Bromofluorobenzene	*112*			*77.0-126*		*06/10/2024 12:01*	WG2301895
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*06/13/2024 12:13*	WG2303878
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/10/2024 12:01*	WG2301895
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*06/13/2024 12:13*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 08:34	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 08:34	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 08:34	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 08:34	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 08:34	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 08:34	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 08:34	WG2299558
Naphthalene	U		0.0917	0.250	1	06/07/2024 08:34	WG2299558
1-Methylnaphthalene	U		0.0687	0.250	1	06/07/2024 08:34	WG2299558
2-Methylnaphthalene	U		0.0674	0.250	1	06/07/2024 08:34	WG2299558
(S) Nitrobenzene-d5	*133*			*31.0-160*		*06/07/2024 08:34*	WG2299558
(S) 2-Fluorobiphenyl	*112*			*48.0-148*		*06/07/2024 08:34*	WG2299558
(S) p-Terphenyl-d14	*115*			*37.0-146*		*06/07/2024 08:34*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.763	J	0.180	2.00	1	06/12/2024 19:43	WG2301725
Lead,Dissolved	U		0.849	2.00	1	06/12/2024 19:43	WG2301725

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	06/10/2024 12:23	WG2301895
Toluene	U		0.278	1.00	1	06/10/2024 12:23	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 12:33	WG2303878
(S) Toluene-d8	*102*			*80.0-120*		*06/10/2024 12:23*	WG2301895
(S) Toluene-d8	*86.3*			*80.0-120*		*06/13/2024 12:33*	WG2303878
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/10/2024 12:23*	WG2301895
(S) 4-Bromofluorobenzene	*96.9*			*77.0-126*		*06/13/2024 12:33*	WG2303878
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/10/2024 12:23*	WG2301895
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*06/13/2024 12:33*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 08:51	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 08:51	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 08:51	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 08:51	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 08:51	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 08:51	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 08:51	WG2299558
Naphthalene	U		0.0917	0.250	1	06/07/2024 08:51	WG2299558
1-Methylnaphthalene	U		0.0687	0.250	1	06/07/2024 08:51	WG2299558
2-Methylnaphthalene	U		0.0674	0.250	1	06/07/2024 08:51	WG2299558
(S) Nitrobenzene-d5	*147*			*31.0-160*		*06/07/2024 08:51*	WG2299558
(S) 2-Fluorobiphenyl	*123*			*48.0-148*		*06/07/2024 08:51*	WG2299558
(S) p-Terphenyl-d14	*124*			*37.0-146*		*06/07/2024 08:51*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	10.0		0.180	2.00	1	06/18/2024 21:36	WG2301745
Lead,Dissolved	U		0.849	2.00	1	06/18/2024 21:36	WG2301745

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	1.06		0.0941	1.00	1	06/10/2024 12:44	WG2301895
Toluene	0.300	J	0.278	1.00	1	06/10/2024 12:44	WG2301895
Ethylbenzene	9.20		0.137	1.00	1	06/13/2024 12:54	WG2303878
(S) Toluene-d8	*101*			*80.0-120*		*06/10/2024 12:44*	WG2301895
(S) Toluene-d8	*82.4*			*80.0-120*		*06/13/2024 12:54*	WG2303878
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*06/10/2024 12:44*	WG2301895
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*06/13/2024 12:54*	WG2303878
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/10/2024 12:44*	WG2301895
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*06/13/2024 12:54*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 09:09	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 09:09	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 09:09	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 09:09	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 09:09	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 09:09	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 09:09	WG2299558
Naphthalene	0.271		0.0917	0.250	1	06/07/2024 09:09	WG2299558
1-Methylnaphthalene	0.162	J	0.0687	0.250	1	06/07/2024 09:09	WG2299558
2-Methylnaphthalene	0.145	J	0.0674	0.250	1	06/07/2024 09:09	WG2299558
(S) Nitrobenzene-d5	*151*			*31.0-160*		*06/07/2024 09:09*	WG2299558
(S) 2-Fluorobiphenyl	*118*			*48.0-148*		*06/07/2024 09:09*	WG2299558
(S) p-Terphenyl-d14	*119*			*37.0-146*		*06/07/2024 09:09*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.202	J	0.180	2.00	1	06/18/2024 21:40	WG2301745
Lead,Dissolved	U		0.849	2.00	1	06/18/2024 21:40	WG2301745

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	06/10/2024 13:06	WG2301895
Toluene	U		0.278	1.00	1	06/10/2024 13:06	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 13:14	WG2303878
(S) Toluene-d8	*103*			*80.0-120*		*06/10/2024 13:06*	WG2301895
(S) Toluene-d8	*85.6*			*80.0-120*		*06/13/2024 13:14*	WG2303878
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/10/2024 13:06*	WG2301895
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*06/13/2024 13:14*	WG2303878
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*06/10/2024 13:06*	WG2301895
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*06/13/2024 13:14*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 09:27	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 09:27	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 09:27	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 09:27	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 09:27	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 09:27	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 09:27	WG2299558
Naphthalene	U		0.0917	0.250	1	06/07/2024 09:27	WG2299558
1-Methylnaphthalene	U		0.0687	0.250	1	06/07/2024 09:27	WG2299558
2-Methylnaphthalene	U		0.0674	0.250	1	06/07/2024 09:27	WG2299558
(S) Nitrobenzene-d5	*132*			*31.0-160*		*06/07/2024 09:27*	WG2299558
(S) 2-Fluorobiphenyl	*110*			*48.0-148*		*06/07/2024 09:27*	WG2299558
(S) p-Terphenyl-d14	*111*			*37.0-146*		*06/07/2024 09:27*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.779	J	0.180	2.00	1	06/18/2024 21:43	WG2301745
Lead,Dissolved	2.18		0.849	2.00	1	06/18/2024 21:43	WG2301745

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	06/10/2024 14:10	WG2301895
Toluene	U		0.278	1.00	1	06/10/2024 14:10	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 13:34	WG2303878
(S) Toluene-d8	*103*			*80.0-120*		*06/10/2024 14:10*	WG2301895
(S) Toluene-d8	*85.4*			*80.0-120*		*06/13/2024 13:34*	WG2303878
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/10/2024 14:10*	WG2301895
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/13/2024 13:34*	WG2303878
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*06/10/2024 14:10*	WG2301895
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*06/13/2024 13:34*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 09:44	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 09:44	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 09:44	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 09:44	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 09:44	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 09:44	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 09:44	WG2299558
Naphthalene	U		0.0917	0.250	1	06/07/2024 09:44	WG2299558
1-Methylnaphthalene	U		0.0687	0.250	1	06/07/2024 09:44	WG2299558
2-Methylnaphthalene	U		0.0674	0.250	1	06/07/2024 09:44	WG2299558
(S) Nitrobenzene-d5	*134*			*31.0-160*		*06/07/2024 09:44*	WG2299558
(S) 2-Fluorobiphenyl	*117*			*48.0-148*		*06/07/2024 09:44*	WG2299558
(S) p-Terphenyl-d14	*114*			*37.0-146*		*06/07/2024 09:44*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.482	J	0.180	2.00	1	06/18/2024 21:47	WG2301745
Lead,Dissolved	U		0.849	2.00	1	06/18/2024 21:47	WG2301745

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	0.261	J	0.0941	1.00	1	06/10/2024 14:32	WG2301895
Toluene	U		0.278	1.00	1	06/10/2024 14:32	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 13:55	WG2303878
(S) Toluene-d8	*102*			*80.0-120*		*06/10/2024 14:32*	WG2301895
(S) Toluene-d8	*87.0*			*80.0-120*		*06/13/2024 13:55*	WG2303878
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/10/2024 14:32*	WG2301895
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/13/2024 13:55*	WG2303878
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*06/10/2024 14:32*	WG2301895
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*06/13/2024 13:55*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 10:02	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 10:02	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 10:02	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 10:02	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 10:02	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 10:02	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 10:02	WG2299558
Naphthalene	U		0.0917	0.250	1	06/07/2024 10:02	WG2299558
1-Methylnaphthalene	U		0.0687	0.250	1	06/07/2024 10:02	WG2299558
2-Methylnaphthalene	U		0.0674	0.250	1	06/07/2024 10:02	WG2299558
(S) Nitrobenzene-d5	*131*			*31.0-160*		*06/07/2024 10:02*	WG2299558
(S) 2-Fluorobiphenyl	*113*			*48.0-148*		*06/07/2024 10:02*	WG2299558
(S) p-Terphenyl-d14	*115*			*37.0-146*		*06/07/2024 10:02*	WG2299558

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.187	J	0.180	2.00	1	06/18/2024 21:50	WG2301745
Lead,Dissolved	U		0.849	2.00	1	06/18/2024 21:50	WG2301745

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	0.149	J	0.0941	1.00	1	06/10/2024 09:31	WG2301895
Toluene	0.748	J	0.278	1.00	1	06/10/2024 09:31	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 09:51	WG2303878
(S) Toluene-d8	*102*			*80.0-120*		*06/10/2024 09:31*	WG2301895
(S) Toluene-d8	*85.0*			*80.0-120*		*06/13/2024 09:51*	WG2303878
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/10/2024 09:31*	WG2301895
(S) 4-Bromofluorobenzene	*97.7*			*77.0-126*		*06/13/2024 09:51*	WG2303878
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/10/2024 09:31*	WG2301895
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*06/13/2024 09:51*	WG2303878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	06/07/2024 10:19	WG2299558
Benzo(a)pyrene	U		0.0184	0.0500	1	06/07/2024 10:19	WG2299558
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/07/2024 10:19	WG2299558
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/07/2024 10:19	WG2299558
Chrysene	U		0.0179	0.0500	1	06/07/2024 10:19	WG2299558
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/07/2024 10:19	WG2299558
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/07/2024 10:19	WG2299558
Naphthalene	U		0.0917	0.250	1	06/07/2024 10:19	WG2299558
1-Methylnaphthalene	U		0.0687	0.250	1	06/07/2024 10:19	WG2299558
2-Methylnaphthalene	U		0.0674	0.250	1	06/07/2024 10:19	WG2299558
(S) Nitrobenzene-d5	*113*			*31.0-160*		*06/07/2024 10:19*	WG2299558
(S) 2-Fluorobiphenyl	*100*			*48.0-148*		*06/07/2024 10:19*	WG2299558
(S) p-Terphenyl-d14	*101*			*37.0-146*		*06/07/2024 10:19*	WG2299558

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	06/10/2024 09:10	WG2301895
Toluene	U		0.278	1.00	1	06/10/2024 09:10	WG2301895
Ethylbenzene	U		0.137	1.00	1	06/13/2024 09:31	WG2303878
(S) Toluene-d8	*103*			*80.0-120*		*06/10/2024 09:10*	WG2301895
(S) Toluene-d8	*87.2*			*80.0-120*		*06/13/2024 09:31*	WG2303878
(S) 4-Bromofluorobenzene	*112*			*77.0-126*		*06/10/2024 09:10*	WG2301895
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/13/2024 09:31*	WG2303878
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/10/2024 09:10*	WG2301895
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*06/13/2024 09:31*	WG2303878

Method Blank (MB)

(MB) R4080899-1 06/12/24 17:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Arsenic,Dissolved	U		0.180	2.00
Lead,Dissolved	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R4080899-2 06/12/24 17:11

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Arsenic,Dissolved	50.0	48.9	97.8	80.0-120	
Lead,Dissolved	50.0	51.1	102	80.0-120	

L1743046-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743046-02 06/12/24 18:07 • (MS) R4080899-10 06/12/24 18:14 • (MSD) R4080899-11 06/12/24 18:17

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Arsenic,Dissolved	50.0	1.37	49.0	54.0	95.3	105	5	75.0-125			9.70	20
Lead,Dissolved	50.0	U	52.7	54.3	105	109	5	75.0-125			2.89	20

Method Blank (MB)

(MB) R4083464-1 06/18/24 20:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Arsenic,Dissolved	U		0.180	2.00
Lead,Dissolved	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R4083464-2 06/18/24 21:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Arsenic,Dissolved	50.0	50.3	101	80.0-120	
Lead,Dissolved	50.0	51.7	103	80.0-120	

L1743455-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743455-06 06/18/24 21:05 • (MS) R4083464-4 06/18/24 21:11 • (MSD) R4083464-5 06/18/24 21:15

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Arsenic,Dissolved	50.0	13.1	62.8	63.4	99.4	101	1	75.0-125			0.921	20
Lead,Dissolved	50.0	U	50.1	50.1	100	100	1	75.0-125			0.0348	20

Method Blank (MB)

(MB) R4079880-3 06/10/24 07:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*116*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4079880-1 06/10/24 06:08 • (LCSD) R4079880-2 06/10/24 06:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	5.00	5.36	5.33	107	107	70.0-123			0.561	20
Toluene	5.00	4.80	4.81	96.0	96.2	79.0-120			0.208	20
(S) Toluene-d8				*101*	*99.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*110*	*109*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*110*	*109*	*70.0-130*				

L1743455-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743455-06 06/10/24 11:40 • (MS) R4079880-4 06/10/24 15:35 • (MSD) R4079880-5 06/10/24 15:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Benzene	5.00	0.103	6.42	6.77	126	133	1	17.0-158			5.31	27
Toluene	5.00	U	5.75	5.89	115	118	1	26.0-154			2.41	28
(S) Toluene-d8					*98.5*	*99.3*		*80.0-120*				
(S) 4-Bromofluorobenzene					*109*	*107*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*113*	*110*		*70.0-130*				

Method Blank (MB)

(MB) R4081789-3 06/13/24 09:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	1.00
(S) Toluene-d8	*89.1*			*80.0-120*
(S) 4-Bromofluorobenzene	*108*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081789-1 06/13/24 08:08 • (LCSD) R4081789-2 06/13/24 08:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	4.32	4.31	86.4	86.2	79.0-123			0.232	20
(S) Toluene-d8				*81.8*	*83.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.8*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*124*	*119*	*70.0-130*				

Method Blank (MB)

(MB) R4078769-3 06/07/24 00:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
(S) Nitrobenzene-d5	*118*			*31.0-160*
(S) 2-Fluorobiphenyl	*118*			*48.0-148*
(S) p-Terphenyl-d14	*134*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078769-1 06/07/24 00:11 • (LCSD) R4078769-2 06/07/24 00:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)anthracene	2.00	1.98	2.08	99.0	104	61.0-140			4.93	20
Benzo(a)pyrene	2.00	2.14	2.29	107	115	60.0-143			6.77	20
Benzo(b)fluoranthene	2.00	2.14	2.46	107	123	58.0-141			13.9	20
Benzo(k)fluoranthene	2.00	2.37	2.37	118	118	58.0-148			0.000	20
Chrysene	2.00	2.51	2.70	126	135	64.0-144			7.29	20
Dibenz(a,h)anthracene	2.00	2.04	2.15	102	107	52.0-155			5.25	20
Indeno(1,2,3-cd)pyrene	2.00	1.74	1.94	87.0	97.0	54.0-153			10.9	20
Naphthalene	2.00	2.27	2.40	114	120	61.0-137			5.57	20
1-Methylnaphthalene	2.00	2.39	2.53	119	126	66.0-142			5.69	20
2-Methylnaphthalene	2.00	2.15	2.32	107	116	62.0-136			7.61	20
(S) Nitrobenzene-d5				*113*	*115*	*31.0-160*				
(S) 2-Fluorobiphenyl				*117*	*123*	*48.0-148*				
(S) p-Terphenyl-d14				*124*	*130*	*37.0-146*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Arcadis - Chevron - WA

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1743455
C020

Acctnum: CHEVARCWA
Template: T242563
Prelogin: P1040773
PM: 110 - Brian Ford
PB:
Shipped Via:

Report to: Samuel Miles
Email To: molly.whitcomb@arcadis.com;samuel.miles@ar

Project Description: 1001327
City/State Collected: Seattle WA
Please Circle: PT MT CT ET

Phone:
Client Project #: 30064328.19.45
Lab Project #: CHEVARCWA-1001327

Collected by (print): Aimee Rice
Site/Facility ID #: 1602 N NORTHLAKE PL
P.O. #:

Collected by (signature): [signature]
Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #:
Date Results Needed:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTE 8260 40mlAmb-HCl	FF Diss As,Pb 6020 250mlHDPE HNO3	cPAH/Naphs 8270SIM 40mlAmb-NoPres-WT	Remarks	Sample # (lab only)
MW-4-W-20240531	G	GW	—	5/31/24	1100	6	X	X	X		-01
MW-7-W-20240531	↓	GW	—	↓	1129	6	X	X	X		-02
MW-8A-W-20240531	↓	GW	—	↓	1008	6	X	X	X		-03
MW-19-W-20240531	↓	GW	—	↓	1000	6	X	X	X		-04
MW-20-W-20240531	↓	GW	—	↓	1035	6	X	X	X		-05
MW-21-W-20240531	↓	GW	—	↓	1155	12	X	X	X	*MS/MSD*	-06
MW-25-W-20240531	↓	GW	—	↓	1052	6	X	X	X		-07
MW-26-W-20240531	↓	GW	—	↓	1007	4	X	X	X		-08
AGI-2-W-20240531	↓	GW	—	↓	1124	6	X	X	X		-09
MW-1-W-20240531	↓	GW	—	↓	1120	6	X	X	X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks: *MS/MSD only on BTE*

pH ______ Temp ______
Flow ______ Other ______

Samples returned via: __ UPS __ FedEx __ Courier ________

Tracking # 7359 4597 3493

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: __Y ✓N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
[signature]			Shipped Via fedex	2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: EDAL °C 2.1+0.3=2.4 Bottles Received: 82	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) alexa mitchell	Date: 6/5/24 Time: 0900	Hold: Condition: NCF / OK

Company Name/Address: **Arcadis - Chevron - WA**

Billing Information: **Attn: Accounts Payable, 630 Plaza Dr., Ste. 600, Highlands Ranch, CO 80129**

Pres Chk

Report to: **Samuel Miles**

Email To: **molly.whitcomb@arcadis.com;samuel.miles@ar**

Project Description: **1001327**

City/State Collected: **Seattle WA**

Please Circle: PT MT CT ET

Phone:

Client Project # **30064328.19.45**

Lab Project # **CHEVARCWA-1001327**

Collected by (print): **Aimee Rike**

Site/Facility ID # **1602 N NORTHLAKE PL**

P.O. #

Collected by (signature):

Immediately Packed on Ice N____ Y____

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTE 8260 40mlAmb-HCl	FF Diss As,Pb 6020 250mlHDPE HNO3	cPAH/Naphs 8270SIM 40mlAmb-NoPres-WT	Remarks	Sample # (lab only)
MLV-3-W-20240531	G	GW	–	5/31/24	1032	6	X	X	X		-11
BD-W-20240531		GW	–		1200	6	X	X	X		-12
EQB-W-20240531		GW	–		1210	6	X	X	X		-13
TB-W-20240531		GW	–		0900	2	X				-14
		GW									

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 174345

Table #

Acctnum: **CHEVARCWA**

Template: **T242563**

Prelogin: **P1040773**

PM: **110 - Brian Ford**

PB:

Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 7359 4597 3493

Sample Receipt Checklist

COC Seal Present/Intact:	__NP __Y __N
COC Signed/Accurate:	__Y __N
Bottles arrive intact:	__Y __N
Correct bottles used:	__Y __N
Sufficient volume sent:	__Y __N
If Applicable	
VOA Zero Headspace:	__Y __N
Preservation Correct/Checked:	__Y __N
RAD Screen <0.5 mR/hr:	__Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
			Shipped Via fedex	2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.2+0.3=2.4°C Bottles Received: 2
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			Alexa Mitchell	6/5/24 0900

Hold: Condition: NCF / OK

06/05-NCF-L1743455-CHEVARCWA PM

R5

Time estimate: oh **Time spent:** oh

Members

Paul Minnich (responsible)

- [ ] Parameter(s) past holding time
- [ ] Temperature not in range
- [ ] Improper container type
- [ ] pH not in range
- [ ] Insufficient sample volume
- [ ] Sample is biphasic
- [ ] Vials received with headspace
- [x] Broken container
- [x] Sufficient sample remains
- [ ] If broken container: Insufficient packing material around container
- [ ] If broken container: Insufficient packing material inside cooler
- [ ] If broken container: Improper handling by carrier:_____
- [ ] If broken container: Sample was frozen
- [ ] If broken container: Container lid not intact
- [ ] Client informed by Call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Paul Minnich *5 June 2024 11:39 PM*

Sample MW-26 lost two HCl vials in transit.

Appendix D

Historical Groundwater Analytical Results

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982 [12]**	**5**
MW-3	North Yard		8/11/1999	ND	168	4	21	3	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	5.34	4.39
MW-3	North Yard		10/21/1999	ND	149	<3.25	<5.9	0.54[3]	0.0044[4]	0.0008[4]	0.0062[4]	0.0034[4]	0.0028[4]	0.0063[4]	0.0057[4]	--	--
MW-3	North Yard		10/22/1999	ND	149	<2.30	<4.00	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		8/10/1999	ND	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	<1.0
MW-4	South Yard		7/26/2001	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-4	South Yard		10/11/2002	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		12/31/2002	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		2/27/2003	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		3/26/2003	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		4/28/2003	ND	<0.500	0.536	<0.500	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		5/30/2003	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		6/25/2003	ND	<0.500	<0.500	<0.500	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-4	South Yard		9/16/2003	ND	<0.500	<0.500	<0.500	<1.00	0.0241	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-4	South Yard		12/15/2003	ND	<0.500	<0.500	<0.500	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<1.0	<1.0
MW-4	South Yard		3/25/2004	ND	<0.500	<0.500	<0.500	<0.119	0.0137	<0.0119	<0.0119	<0.0119	0.0131	<0.0119	<0.0119	<1.0	<1.0
MW-4	South Yard		3/21/2007	ND	0.59	<0.500	<0.500	<5.00	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<1.0	<1.0
MW-4	South Yard		3/25/2008	ND	<0.5	1.2	<0.5	0.022	**0.030**	0.0250	**0.031**	0.014	0.028	<0.0099	0.019	<0.70	1.4
MW-4	South Yard		09/08-09/08	ND	<0.5	<0.5	<0.5	<1.0	**0.15**	**0.1500**	**0.14**	**0.079**	**0.13**	<0.011	<0.011	<0.95	<0.050
MW-4	South Yard		03/30-31/09	ND	<0.5	<0.5	<0.5	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.95	<0.050
MW-4	South Yard		09/10-11/09	ND	<0.5	<0.5	<0.5	<1.0	0.012	0.013	0.014	<0.0098	0.0120	<0.0098	<0.0098	<0.95	<0.050
MW-4	South Yard		3/15/2010	ND	0.6	<0.5	<0.5	<1.0	**0.041**	**0.052**	**0.069**	0.0270	**0.0480**	<0.0099	0.016	<0.95	<0.050
MW-4	South Yard		9/15/2010	ND	<0.5	<0.5	<0.5	<1.0	**0.48**	**0.68**	**0.43**	**0.4300**	**0.5300**	**0.0650**	**0.43**	<0.95	<0.052
MW-4	South Yard		9/25/2011	ND	0.5	<0.2	<0.2	<1.0	<0.012	<0.012	0.012	<0.012	<0.012	<0.012	<0.012	<0.95	0.09
MW-4	South Yard		10/10/2011	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-4	South Yard		6/21/2012	ND	--	--	--	--	**0.032**	**0.037**	**0.039**	0.018	**0.0350**	<0.010	0.013	--	--
MW-4	South Yard	Field Filtered	6/21/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-4	South Yard		9/21/2012	ND	<0.5	<0.5	<0.5	<0.030	--	--	--	--	--	--	--	--	--
MW-4	South Yard		9/26/2012	ND	--	--	--	--	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	--	--
MW-4	South Yard	Field Filtered	9/26/2012	ND	--	--	--	--	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.40	<0.034
MW-4	South Yard		12/26/2012	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		4/22/2013	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-4	South Yard	Field Filtered	4/22/2013	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.40	<0.050
MW-4	South Yard	[11]	6/11/2014	ND	<0.5	<0.5	<0.5	0.07	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	<0.085
MW-4	South Yard	[11]	11/11/2015	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	<0.13
MW-4	South Yard	[11]	4/18/2016	ND	<0.5	<0.5	<0.5	0.067	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	<0.13
MW-4	South Yard	[11]	12/7/2016	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.68	0.75
MW-4	South Yard		6/21/2017	ND	<0.5	<0.5	<0.5	0.058	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-4	South Yard	Field Filtered	6/21/2017	ND	--	--	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MW-4	South Yard	[11]	12/6/2017	ND	<0.5	<0.5	<0.5	0.052	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	0.21
MW-4	South Yard	[11]	6/27/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-4	South Yard	[11]	11/28/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-4	South Yard	[11]	6/21/2019	ND	<0.5	<0.5	<0.5	0.03 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-4	South Yard	[11]	12/18/2019	ND	<0.2	<0.2	<0.4	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**14.5**	<0.073
MW-4	South Yard	[11]	6/11/2020	ND	<0.20	<0.20	<0.40	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.70	<0.073
MW-4	South Yard		11/11/2020	ND	<0.20	<0.20	<0.40	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	<0.073
MW-4	South Yard		6/28/2021	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.298 J**	<0.849
MW-4	South Yard		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-4	South Yard		6/24/2022	ND	<0.0400	0.617	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.205 J**	<2.00
MW-4	South Yard		12/16/2022	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.339 J**	<0.849
MW-4	South Yard		6/1/2023	ND	<1.00	<1.00	<1.00	<0.250 J4	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500	<2.00	<2.00
MW-4	South Yard		11/28/2023	ND	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.259 J	<2.00
MW-4	**South Yard**		**5/31/2024**	**ND**	**<1.00**	**<1.00**	**<1.00**	**<0.250**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**0.199 J**	**<2.00**

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
MW-7	South Yard		8/10/1999	ND	**683**	491	2550	673	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	**3.71**	4.64
MW-7	South Yard		10/20/1999	ND	**172**	80	177	--	0.0028[4]	0.0038[4]	0.0043[4]	0.0025[4]	0.0061[4]	0.0079[4]	--	--	--
MW-7	South Yard		7/26/2001	ND	**162**	59	314	149	--	--	--	--	--	--	--	--	--
MW-7	South Yard		4/3/2002	ND	**58**	22	346	96	--	--	--	--	--	--	--	--	--
MW-7	South Yard		7/2/2002	ND	**46.9**	10	158	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		9/3/2002	ND	42	22	153	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		9/3/2002	ND	**88.8**	37	498	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		10/11/2002	ND	41.4	16	145	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		3/26/2003	ND	10.1	16	108	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		4/28/2003	ND	31.5	36	664	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		5/30/2003	ND	7.34	12	106	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		6/25/2003	ND	16.4	27	446	35	<0.0100	<0.0100	<0.0100	0.900 (Q-20)	<0.0100	<0.0100	<0.0100	--	--
MW-7	South Yard		9/16/2003	ND	< 50.0	79	1,190	583	--	--	--	--	--	--	--	--	--
MW-7	South Yard		12/15/2003	ND	25.9	45	1,470	550	--	--	--	--	--	--	--	--	--
MW-7	South Yard	[5]	3/15/2010	ND	27	4.9	230	490	**0.14**[6]	**0.12**[6]	**0.21**[6]	**0.16**[6]	**0.18**[6]	0.013[6]	**0.041**[2]	**1.5**	1.1
MW-7	South Yard		9/15/2010	ND	38	6.0	270	570	**0.3000**	**0.5000**	**0.4200**	**0.3600**	**0.3800**	**0.0730**	**0.3900**	**2.5**	1.7
MW-7	South Yard		3/14/2011	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		6/21/2012	ND	--	--	--	--	0.011	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MW-7	South Yard	Field Filtered	6/21/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-7	South Yard		9/20/2012	ND	**46**	6.9	120	530	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	--	--
MW-7	South Yard	Field Filtered	9/20/2012	ND	--	--	--	--	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	**6.1**	1.6
MW-7	South Yard	Field Filtered	12/26/2012	ND	34	6.0	240	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		4/22/2013	ND	31	4.5	82	340	0.019	<0.010	0.0110	<0.010	<0.010	0.012	0.016	--	--
MW-7	South Yard	Field Filtered	4/22/2013	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**5.3**	0.85
MW-7	South Yard	Field Filtered [11]	6/11/2014	ND	33	4	65	160	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	**6.2**	1.7
MW-7	South Yard	[11]	11/11/2015	ND	**62**	6.5	120	310	0.028	0.029	**0.043**	0.018	**0.041**	<0.010	0.026	**10.3**	1.4
MW-7	South Yard	[11]	4/18/2016	ND	30	4.7	54	210	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**6.5**	1.3
MW-7	South Yard	DUP [11]	4/18/2016	ND	30	4.9	55	200	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**6.6**	1.4
MW-7	South Yard	[11]	12/7/2016	ND	38	<0.5	90	370	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**6.2**	1.2
MW-7	South Yard	DUP [11]	12/7/2016	ND	37	4.4	81	230	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**5.8**	1.3
MW-7	South Yard		6/21/2017	ND	28	5.7	70	66	0.016	<0.011	0.013	0.011	0.019	<0.011	<0.011	--	--
MW-7	South Yard	Field Filtered	6/21/2017	ND	--	--	--	64	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	**15.1**	0.62
MW-7	South Yard	[11]	12/6/2017	ND	33	5.9	72	190	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	**13.0**	1.2
MW-7	South Yard	[11]	6/27/2018	ND	30	4.5	51	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**11.6**	<1.1
MW-7	South Yard	[11]	11/28/2018	ND	34	4.6	47	170	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**9.2**	<1.1
MW-7	South Yard	[11]	6/21/2019	ND	33	3.6	36	120	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**9.6**	<1.1
MW-7	South Yard	[11]	12/18/2019	ND	39	4	74	42	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**6.3**	0.51 J
MW-7	South Yard	[11]	6/11/2020	ND	24	2.6	37	150	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	**7**	0.36 J
MW-7	South Yard		11/11/2020	ND	31	3.4	55	80	<0.011	<0.011	<0.011	<0.011	<0.011	<0.021	<0.011	**8.5**	0.92
MW-7	South Yard		6/28/2021	ND	23.3	2.36	35.9	193	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	1.95 J	1.03 J
MW-7	South Yard		1/6/2022	ND	18.2	2.89	33.5	137	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	27.3 J	1.47 J
MW-7	South Yard		6/24/2022	ND	<0.0400	0.144 J	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00	<2.00
MW-7	South Yard		12/16/2022	ND	20.5	2.55	20.6	36.4	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**5.04**	0.913 J
MW-7	South Yard		6/1/2023	ND	8.76	1.26	8.02	8.88 J4	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500	**4.92**	2.98
MW-7	South Yard		11/28/2023	ND	22.9	3.81	21.3	79.4	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**4.54**	0.893 J
MW-7	**South Yard**		**5/31/2024**	**ND**	**0.732 J**	**0.359 J**	**0.939 J**	**3.05**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**2.13**	**1.37 J**
MW-8	South Yard		8/9/1999	ND	186	15	39	9	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	1.21
MW-8	South Yard		10/20/1999	ND	31.4	2.47	2.97	0.35[3]	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.00813	<0.0081	--	--
MW-8	South Yard		1/6/2000	ND	710	27	304	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		4/12/2000	ND	28.2	1.72	4.16	2	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	--	--
MW-8	South Yard		6/27/2000	ND	29.5	1.47	3.09	<1.00	--	--	--	--	--	--	--	<1.0	<1.0

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
MW-8	South Yard		9/28/2000	ND	20.3	1.23	1.39	4	--	--	--	--	--	--	--	3.10	<1.0
MW-8	South Yard		1/15/2001	ND	17.7	2.14	12.3	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		6/21/2001	ND	197	<10.0	26.7	<10.0	--	--	--	--	--	--	--	--	--
MW-8	South Yard		7/26/2001	ND	157	7.03	42.5	7	--	--	--	--	--	--	--	--	--
MW-8	South Yard		7/26/2001	ND	147	7.07	42.2	6	--	--	--	--	--	--	--	--	--
MW-8	South Yard		3/19/2002	ND	1,450	22.0	166	32	--	--	--	--	--	--	--	--	--
MW-8	South Yard		3/19/2002	ND	1,430	21.7	169	30	--	--	--	--	--	--	--	--	--
MW-8	South Yard		4/3/2002	ND	1,000	22.3	199	37	--	--	--	--	--	--	--	--	--
MW-8	South Yard		4/3/2002	ND	1,030	21.9	213	37	--	--	--	--	--	--	--	--	--
MW-8	South Yard		5/7/2002	ND	472	13.7	152	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		6/6/2002	ND	476	14.1	80	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		7/2/2002	ND	291	14.0	59	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		9/3/2002	ND	284	11.3	82	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		10/11/2002	ND	238	18.0	152	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		12/31/2002	ND	165	16.3	261	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		12/31/2002	ND	192	16.1	141	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		3/26/2003	ND	767	23.2	156	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		4/28/2003	ND	683	20.8	125	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		5/30/2003	ND	467	15.4	75.4	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		6/25/2003	ND	305	17.4	89.7	--	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-8	South Yard		9/15/2003	ND	159	36.1	634	7.94	--	--	--	--	--	--	--	--	--
MW-8A	South Yard		12/15/2003	ND	14.8	2.46	37.7	168	--	--	--	--	--	--	--	--	--
MW-8A	South Yard		3/25/2004	ND	12.0	1.33	2.54	0.27	**0.0650**	**0.0454**	**0.0299**	**0.0531**	**0.0568**	0.0274	**0.0419**	**2.49**	<1.0
MW-8A	South Yard		9/23/2004	ND	14.8	0.76	2.00	0.32	<0.01	0.0220	<0.01	<0.01	**0.0315**	<0.01	<0.01	**1.2**	<1.0
MW-8A	South Yard	DUP	9/23/2004	ND	13.3	0.67	1.75	0.32	**0.110**	**0.102**	**0.0980**	**0.120**	**0.104**	**0.0656**	**0.0937**	**1.11**	<1.0
MW-8A	South Yard		3/14/2005	ND	8.3	1.72	4.54	3.61	0.0234	0.0135	0.0123	0.0209	0.0164	<0.01	0.0137	**5.2**	<1.0
MW-8A	South Yard		3/29/2006	ND	<0.500	<0.500	<0.500	<1.0	<0.00952	<0.00952	0.0281	<0.00952	<0.00952	<0.00952	<0.00952	<1.0	<1.0
MW-8A	South Yard		3/21/2007	ND	<0.500	<0.500	<0.500	<5.00	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<1.0	<1.0
MW-8A	South Yard		3/25/2008	ND	<0.5	<0.5	<0.5	<1.0	<0.0096	<0.0096	0.010	<0.0096	<0.0096	<0.0096	<0.0096	**0.92**	2.0
MW-8A	South Yard		09/08-09/08	ND	<0.5	<0.5	<0.5	<1.0	0.017	0.018	0.031	<0.0099	0.028	<0.0099	0.021	1.1	<0.050
MW-8A	South Yard		03/30-31/09	ND	<0.5	<0.5	<0.5	<1.0	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.95	<0.050
MW-8A	South Yard		09/10-11/09	ND	<0.5	<0.5	<0.5	<1.0	0.012	0.017	**0.035**	0.011	0.021	<0.0098	0.022	<0.95	0.059
MW-8A	South Yard		3/15/2010	ND	<0.5	<0.5	<0.5	1	**0.036**	**0.062**	**0.14**	**0.099**	**0.079**	0.011	0.040	<0.95	0.062
MW-8A	South Yard		9/15/2010	ND	<0.5	<0.5	3	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	**2.8**	<0.052
MW-8A	South Yard		11/16/2011	ND	<0.2	<0.2	<0.2	<1.0	0.016	0.02	0.029	0.011	0.028	<0.0095	0.02	**0.99**	<0.080
MW-8A	South Yard		6/21/2012	ND	--	--	--	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--
MW-8A	South Yard	DUP	6/21/2012	ND	--	--	--	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--
MW-8A	South Yard	Field Filtered	6/21/2012	ND	--	--	--		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-8A	South Yard		9/20/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-8A	South Yard	Field Filtered	9/21/2012	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**4.9**	0.13
MW-8A	South Yard		12/26/2012	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MW-8A	South Yard		4/23/2013	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-8A	South Yard	Field Filtered	4/23/2013	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.40	<0.047
MW-8A	South Yard	[11]	6/11/2014	ND	<0.5	<0.5	<0.5	0.062	<0.011	<0.010	0.012	0.011	<0.010	<0.010	<0.010	<0.78	0.59
MW-8A	South Yard	[11]	11/11/2015	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	0.64
MW-8A	South Yard	DUP [11]	11/11/2015	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	0.018	<0.010	<0.010	<0.010	<0.010	<0.54	0.73
MW-8A	South Yard	[11]	4/18/2016	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	0.88
MW-8A	South Yard	[11]	12/7/2016	ND	<0.5	<0.5	<0.5	0.046	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.68	<0.090
MW-8A	South Yard		6/21/2017	ND	<0.5	<0.5	<0.5	0.035	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-8A	South Yard	Field Filtered	6/21/2017	ND	--	--	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	**1.8**	<0.11
MW-8A	South Yard	DUP	6/21/2017	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-8A	South Yard	Field Filtered	6/21/2017	ND	--	--	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	**2.2**	<0.11

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982 [12]**	**5**
MW-8A	South Yard	[11]	12/5/2017	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.72	0.41
MW-8A	South Yard	DUP [11]	12/5/2017	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.72	0.42
MW-8A	South Yard	[11]	6/27/2018	ND	1.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**2.6**	<1.1
MW-8A	South Yard	DUP [11]	6/27/2018	ND	1.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**2.8**	<1.1
MW-8A	South Yard	[11]	11/27/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-8A	South Yard	DUP [11]	11/27/2018	ND	<0.5	<0.5	<0.5	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-8A	South Yard	[11]	6/21/2019	ND	<0.5	<0.5	<0.5	0.05 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**2.9**	<1.1
MW-8A	South Yard	DUP [11]	6/21/2019	ND	<0.5	<0.5	<0.5	0.04 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**2.4**	<1.1
MW-8A	South Yard	[11]	12/17/2019	ND	<0.2	<0.2	<0.4	<0.03	0.02 J	0.01 J	0.01 J	<0.01	0.01 J	<0.02	<0.01	<0.70	0.13 J
MW-8A	South Yard	DUP [11]	12/17/2019	ND	<0.2	<0.2	<0.4	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.70	0.076 J
MW-8A	South Yard	[11]	6/10/2020	ND	<0.20	<0.20	<0.40	0.12	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	**0.83 J**	0.23 J
MW-8A	South Yard	DUP [11]	6/10/2020	ND	<0.20	<0.20	<0.40	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	**0.92 J**	0.29 J
MW-8A	South Yard		11/10/2020	ND	<0.20	<0.20	<0.40	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	0.66
MW-8A	South Yard	DUP	11/10/2020	ND	<0.20	<0.20	<0.40	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	0.88
MW-8A	South Yard		6/28/2021	ND	<0.0941	<0.278	<0.137	0.0994 J	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.548 J**	1.67 J
MW-8A	South Yard	DUP	6/28/2021	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.569 J**	<0.849
MW-8A	South Yard		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-8A	South Yard	DUP	1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-8A	South Yard		6/24/2022	ND	<0.0400	<0.200	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.752 J**	<2.00
MW-8A	South Yard	DUP	6/24/2022	ND	<0.0400	<0.200	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.545 J**	<2.00
MW-8A	South Yard		12/16/2022	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.289 J**	<0.849
MW-8A	South Yard	DUP	12/16/2022	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.248 J**	<0.849
MW-8A	South Yard		6/1/2023	ND	<1.00	<1.00	<1.00	<0.250 J4	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500	0.816 J	<2.00
MW-8A	South Yard		11/28/2023	ND	<1.00	0.386 J	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.455 J	<2.00
MW-8A	South Yard	DUP	11/28/2023	ND	<1.00	1.12	0.180 J	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.418 J	<2.00
MW-8A	**South Yard**		**5/31/2024**	**ND**	**0.130 J**	**<1.00**	**<1.00**	**<0.250**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**0.458 J**	**<2.00**
MW-8A	**South Yard**	**DUP**	**5/31/2024**	**ND**	**0.261 J**	**<1.00**	**<1.00**	**<0.250**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**0.482 J**	**<2.00**
MW-9	ROW		8/11/1999	ND	<20.0	<20.0	46.7	129	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	4.33	<1.0
MW-9	ROW		10/21/1999	ND	<0.800	<0.500	20.5	110[3]	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083[3]	<0.0083	17	0.94
MW-9	ROW		6/27/2001	LNAPL	<5.00	<5.00	52.6	109	--	--	--	--	--	--	--	--	--
MW-9	ROW		3/25/2004	LNAPL	6.71	2.56	39.5	168	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12.9	<1.0
MW-9	ROW		09/08-09/08	LNAPL	20	<10[7]	16	37	<0.10[8]	<0.10[8]	<0.10[8]	<0.10[8]	<0.10[8]	<0.10[8]	<0.10[1]	9.5	0.58
MW-9	ROW		12/11/2008	LNAPL	<20[8]	<50[8]	35	--	--	--	--	--	--	--	--	--	--
MW-9	ROW		03/30-31/09	ND	--	--	--	50	<0.0098	<0.0098	0.025	<0.0098	<0.0098	<0.0098	<0.0098	7.7	0.33
MW-9	ROW		09/10-11/09	ND	<10[9]	<10[9]	16	36	0.15	<0.098[8]	0.41	0.10	0.56	<0.098[8]	<0.098[1]	8.0	1.1
MW-10	North Yard		8/11/1999	ND	226	292	625	121	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	4.21
MW-10	North Yard		10/21/1999	ND	431	455	838	--	<0.008	<0.008	<0.008	<0.008	0.00333	<0.008[4]	<0.008[4]	--	--
MW-10	North Yard		4/12/2000	ND	662	542	749	105	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	--	--
MW-10	North Yard		6/27/2000	ND	325	168	136	64.5	--	--	--	--	--	--	--	8.61	21.2
MW-10	North Yard		9/28/2000	ND	437	339	291	32.7	--	--	--	--	--	--	--	3.39	22
MW-10	North Yard		1/15/2001	ND	352	266	137	63.6	--	--	--	--	--	--	--	--	--
MW-10	North Yard		1/15/2001	ND	315	234	117	33.9	--	--	--	--	--	--	--	--	--
MW-10	North Yard		6/27/2001	ND	591	328	295	79.5	--	--	--	--	--	--	--	--	--
MW-10	North Yard		6/27/2001	ND	1,090	765	936	262	--	--	--	--	--	--	--	--	--
MW-10	North Yard		3/18/2002	ND	1,190	1,010	976	130	--	--	--	--	--	--	--	--	--
MW-10	North Yard		7/2/2002	ND	844	742	871	--	--	--	--	--	--	--	--	--	--
MW-10	North Yard		3/15/2010	ND	1,200	250	980	110	0.10[6]	0.054[6]	0.046[6]	0.059[6]	0.18[6]	<0.0099[6]	<0.0099[6]	3.8	10.9
MW-10	North Yard		9/15/2010	Sheen	970	180	920	130	0.52	0.17	0.3	<0.096	1.2	<0.096	<0.096	4.9	9.3
MW-11	ROW		8/11/1999	ND	<1.00	<1.00	<1.00	<1.01	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	**2.03**	<1.0
MW-11	ROW		10/22/1999	ND	<0.500	<0.500	<0.500	<0.0082	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081[3]	<0.0081[3]	--	--

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
MW-11	ROW		6/21/2001	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-11	ROW		3/18/2002	ND	1.18	2.77	2.57	<1.00	--	--	--	--	--	--	--	--	--
MW-11	ROW		9/16/2003	ND	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-11	ROW		12/15/2003	ND	<0.500	<0.500	<0.500	2.21	**0.0734**	<0.0100	**0.0632**	**0.0341**	<0.0100	**0.0878**	**0.0857**	**3.72**	<1.0
MW-11	ROW		3/25/2004	ND	<0.500	<0.500	<0.500	<0.101	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**3.06**	<1.0
MW-11	ROW		3/21/2007	ND	<0.500	<0.500	<0.500	<5.01	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	**19.4**	<1.0
MW-11	ROW		3/25/2008	ND	<0.5	<0.5	<0.5	0.060	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**19.0**	1.1
MW-11	ROW		3/25/2008	ND	<0.5	<0.5	<0.5	0.058	0.012	<0.0096	0.010	<0.0096	0.013	<0.0096	<0.0096	**16.9**	1.4
MW-11	ROW		09/08-09/08	ND	<0.5	<0.5	<0.5	<1.0	<0.011	<0.011	0.011	<0.011	0.012	<0.011	<0.011	**16.5**	<0.050
MW-11	ROW		03/30-31/09	ND	<0.5	<0.5	<0.5	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	**19.2**	<0.050
MW-11	ROW		09/10-11/09	ND	<0.5	<0.5	<0.5	<1.0	0.024	**0.034**	**0.04**	0.016	**0.036**	<0.0098	0.019	**29.7**	<0.050
MW-11	ROW		3/15/2010	ND	<0.5	<0.5	<0.5	<1.0	<0.0099	0.011	0.016	0.010	0.013	<0.0099	<0.0099	**13.4**	<0.050
MW-11	ROW		9/15/2010	ND	<0.5	<0.5	<0.5	<1.0	0.013	0.017	0.018	0.012	0.02	<0.010	0.018	**16.6**	<0.052
MW-11	ROW	[11]	6/11/2014	ND	<0.5	<0.5	<0.5	0.07	0.028	0.02	0.025	0.024	**0.033**	0.019	0.02	**8.4**	<0.085
MW-11	ROW		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	13.5 J	<2.00
MW-11	ROW		6/24/2022	ND	<0.0400	<0.200	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**11.4**	<2.00
MW-12	North Yard		8/11/1999	ND	1,590	218	466	87.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	7.01	17.6
MW-12	North Yard		10/21/1999	ND	491	1200	230	6.8[6]	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083[3]	<0.0083	--	--
MW-12	North Yard		3/25/2004	ND	510	294	454	98.5	--	--	--	--	--	--	--	--	--
MW-12	North Yard		09/08-09/08	ND	530	130	230	65	0.017[6]	0.010[6]	<0.0099[6]	<0.0099[6]	0.039[6]	<0.0099[6]	<0.0099[6]	6.4	1.8
MW-12	North Yard		03/30-31/09	LNAPL	750	640	270	170	0.014	<0.0098	0.012	<0.0098	0.028	<0.0098	<0.0098	4.8	2.8
MW-12	North Yard		09/10-11/09	LNAPL	510	140	180	44	0.11	<0.097[8]	<0.097[8]	<0.097[8]	0.22	<0.097[8]	<0.097[8]	5.5	1.6
MW-12	North Yard		3/15/2010	ND	630	260	250	110	0.025[6]	0.015[6]	0.012[6]	0.018[6]	0.045[6]	<0.010[6]	<0.010[6]	4.6	3.4
MW-12	North Yard		9/15/2010	Sheen	490	130	230	67	0.086[6]	0.028[6]	0.053[6]	0.011[6]	0.18[6]	<0.0096[6]	0.014[6]	6.4	2.2
MW-14	ROW		7/26/2001	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-14	ROW	[11]	6/11/2014	ND	<0.5	<0.5	<0.5	0.049	0.011	<0.010	0.014	0.012	0.012	<0.010	0.011	<0.78	<0.085
MW-15	ROW		8/10/1999	ND	3.28	2.89	35.4	12.5	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	**2.1**	<1.0
MW-15	ROW		10/20/1999	ND	6.92	57.1	47.7	1.4[6]	<0.0081	<0.0081	0.00153	<0.0081	<0.0081	<0.0081	<0.0081	--	--
MW-15	ROW		7/26/2001	ND	13.8	9.00	18.1	10.30	--	--	--	--	--	--	--	--	--
MW-15	ROW		3/18/2002	ND	<1.00	1.49	2.46	<1.01	--	--	--	--	--	--	--	--	--
MW-15	ROW		6/26/2003	ND	0.719	<0.500	0.612	--	--	--	--	--	--	--	--	--	--
MW-15	ROW		9/16/2003	ND	2.85	30.6	39.6	42.2	--	--	--	--	--	--	--	--	--
MW-15	ROW	[11]	6/11/2014	ND	<3.0	0.6	2	0.29	0.02	0.02	0.03	0.03	0.02	0.02	0.02	**5.60**	0.40
MW-15	ROW		1/6/2022	ND	0.294 J	0.791 J	1.73	0.245 J	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-15	ROW		6/24/2022	ND	<0.0400	<0.200	<0.100	0.286	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.739 J	<2.00
MW-16	Offsite		3/21/2007	ND	<0.500	<0.500	<0.500	<5.00	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<1.00	<1.00
MW-19	ROW		8/11/1999	ND	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	<1.0
MW-19	ROW		10/20/1999	ND	<0.500	<0.500	<0.500	<0.021	0.016	0.013	0.016	0.00743	0.015	0.00233	0.011	--	--
MW-19	ROW		6/21/2001	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-19	ROW		6/26/2003	ND	<0.500	<0.500	<0.500	<0.100	**0.264**	**0.282**	**0.174**	**0.118**	**0.179**	**0.155**	**0.189**	--	--
MW-19	ROW		9/16/2003	ND	<0.500	<0.500	<0.500	<1.00	**0.171**	**0.185**	**0.197**	**0.0894**	**0.191**	**0.0977**	**0.147**	--	--
MW-19	ROW		12/15/2003	ND	<0.500	<0.500	<0.500	<1.00	**0.524**	**0.479**	**0.374**	**0.376**	**0.474**	**0.154**	**0.484**	**5.27**	<1.0
MW-19	ROW		3/26/2004	ND	<0.500	<0.500	<0.500	0.197	**0.209**	**0.168**	**0.128**	**0.127**	**0.182**	**0.0433**	**0.107**	**2.86**	<1.0
MW-19	ROW		3/26/2004	ND	<0.500	<0.500	<0.500	0.112	**0.170**	**0.137**	**0.0967**	**0.106**	**0.150**	**0.0363**	**0.0882**	**2.28**	<1.0
MW-19	ROW		9/23/2004	ND	<0.500	<0.500	<0.500	<1.00	**0.613**	**0.390**	**0.317**	**0.562**	**0.530**	**0.145**	**0.350**	**4.24**	2.93
MW-19	ROW		3/14/2005	ND	<0.500	<0.500	<0.500	<0.100	**0.151**	**0.111**	**0.080**	**0.125**	**0.126**	0.0233	**0.076**	**1.71**	<1.0
MW-19	ROW		3/14/2005	ND	<0.500	<0.500	<0.500	<0.100	**0.155**	**0.109**	**0.085**	**0.135**	**0.131**	0.0265	**0.085**	**2.19**	<1.0
MW-19	ROW		3/29/2006	ND	<0.500	<0.500	<0.500	<1.00	**0.093**	**0.076**	**0.066**	**0.0775**	**0.087**	**0.0348**	**0.063**	**3.76**	<1.0

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
MW-19	ROW		3/29/2006	ND	<0.500	<0.500	<0.500	<1.00	**0.042**	**0.030**	**0.041**	**0.0327**	**0.032**	0.0195	**0.033**	**3.47**	<1.0
MW-19	ROW		3/21/2007	ND	<0.500	<0.500	<0.500	<5.00	**0.151**	**0.121**	**0.0874**	**0.139**	**0.153**	**0.0417**	**0.0927**	<1.0	<1.0
MW-19	ROW		3/21/2007	ND	<0.500	<0.500	<0.500	<5.00	**0.154**	**0.131**	**0.0896**	**0.126**	**0.160**	**0.0374**	**0.0894**	<1.0	<1.0
MW-19	ROW		3/25/2008	ND	<0.5	<0.5	<0.5	0.026	**0.046**	**0.039**	**0.049**	0.021	0.042	<0.0097	0.027	**1.30**	12.9
MW-19	ROW		3/25/2008	ND	<0.5	<0.5	<0.5	0.023	**0.36**	**0.31**	**0.35**	**0.15**	0.34	**0.053**	**0.19**	**0.92**	3.5
MW-19	ROW		09/08-09/08	ND	<0.5	<0.5	<0.5	<5.03	0.40	0.54	0.46	0.26	0.41	0.077	0.28	<0.95	0.62
MW-19	ROW		03/30-31/09	ND	<0.5	<0.5	<0.5	<1.0	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.95	0.42
MW-19	ROW		09/10-11/09	ND	<0.5	<0.5	<0.5	<1.0	**0.071**	**0.084**	**0.099**	**0.037**	**0.081**	0.012	**0.041**	<0.95	1.1
MW-19	ROW		3/15/2010	ND	<0.5	<0.5	<0.5	<1.0	**0.24**	0.30	**0.32**	**0.15**	**0.29**	**0.046**	**0.18**	**0.98**	0.41
MW-19	ROW		9/15/2010	ND	<0.5	<0.5	<0.5	<1.0	**0.61**	**0.91**	**0.55**	**0.57**	**0.66**	**0.1**	**0.59**	**1.8**	0.12
MW-19	ROW		11/16/2011	ND	<0.2	<0.2	<0.2	<1.0	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.95	<0.080
MW-19	ROW		6/21/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-19	ROW	Field Filtered	6/21/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-19	ROW		9/20/2012	ND	<0.5	<0.5	<0.5	0.083	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	--	--
MW-19	ROW	Field Filtered	9/20/2012	ND	--	--	--	--	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	**0.41**	<0.034
MW-19	ROW		12/26/2012	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MW-19	ROW		4/24/2013	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-19	ROW	Field Filtered	4/24/2013	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.42**	0.13
MW-19	ROW	[11]	6/10/2014	ND	<0.5	<0.5	<0.5	<0.051	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	0.16
MW-19	ROW	[11]	11/11/2015	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.81**	<0.13
MW-19	ROW	[11]	4/18/2016	ND	<0.5	<0.5	<0.5	0.044	0.015	**0.036**	**0.045**	**0.041**	0.020	**0.049**	**0.049**	**0.69**	0.22
MW-19	ROW	[11]	12/7/2016	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.68	<0.090
MW-19	ROW		6/21/2017	ND	<0.5	<0.5	<0.5	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-19	ROW	Field Filtered	6/21/2017	ND	--	--	--	<0.034	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MW-19	ROW	[11]	12/5/2017	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**1.50**	0.15
MW-19	ROW	[11]	6/26/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-19	ROW	[11]	11/27/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-19	ROW	[11]	6/21/2019	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-19	ROW	[11]	12/17/2019	ND	<0.2	<0.2	<0.4	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.70	<0.073
MW-19	ROW	[11]	6/10/2020	ND	<0.20	<0.20	<0.40	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.70	0.13 J
MW-19	ROW		11/10/2020	ND	<0.20	<0.20	<0.40	<0.034	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	<0.073
MW-19	ROW		6/28/2021	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<0.180	<0.849
MW-19	ROW		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-19	ROW		6/24/2022	ND	<0.0400	<0.200	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.500 J	<2.00
MW-19	ROW		12/16/2022	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.588 J	<0.849
MW-19	ROW		6/1/2023	ND	<1.00	<1.00	<1.00	<0.250 J4	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500	0.436 J	<2.00
MW-19	ROW		11/28/2023	ND	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.538 J	<2.00
MW-19	**ROW**		**5/31/2024**	**ND**	**<1.00**	**<1.00**	**<1.00**	**<0.250**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**0.454 J**	**<2.00**
MW-20	ROW		8/11/1999	ND	**57.7**	2.19	148	82.1	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	**1.08**	<1.0
MW-20	ROW		10/20/1999	ND	**71.8**	5.69	184	25[3]	**.0012**[4]	**.00082**[4]	**.0016**[4]	**0.0011**[4]	**.00088**[4]	<0.008[4]	<0.008	--	--
MW-20	ROW		9/28/2000	ND	--	--	--	--	--	--	--	--	--	--	--	**3.1**	<1.0
MW-20	ROW		6/21/2001	ND	1.66	<1.00	2.68	<1.00	--	--	--	--	--	--	--	--	--
MW-20	ROW		3/19/2002	ND	<1.00	<1.00	3.48	1.77	--	--	--	--	--	--	--	--	--
MW-20	ROW		3/19/2002	ND	<1.00	<1.00	3.3	2.21	--	--	--	--	--	--	--	--	--
MW-20	ROW		6/26/2003	ND	26.5	2.28	61.0	20.9[6]	**0.375(I-02)**	<0.0100	<0.0100	**0.154(I-02)**	<0.0100	<0.0100	<0.0100	--	--
MW-20	ROW		9/16/2003	ND	28.9	3.04	35.7	12.5	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	--	--
MW-20	ROW		12/15/2003	ND	<0.500	<0.500	<0.500	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**4.36**	<1.0
MW-20	ROW		3/26/2004	ND	0.877	<0.500	0.731	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**2.53**	<1.0
MW-20	ROW		3/21/2007	ND	<0.500	<0.500	<0.500	<5.00	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	**2.34**	<1.0
MW-20	ROW		3/25/2008	ND	0.5	<0.5	<0.5	0.019	**0.012**	<0.0099	**0.015**	<0.0099	<0.0099	<0.0099	<0.0099	**3.2**	0.63
MW-20	ROW		09/08-09/08	ND	7.0	1.7	1.2	<5.0[4]	--	--	--	--	--	--	--	--	--
MW-20	ROW		09/10-11/09	ND	1.4	0.8	1.1	<5.0[10]	**0.014**	**0.017**	**0.022**	<0.010	**0.013**	<0.010	**0.016**	2.4	0.053

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
MW-20	ROW		3/15/2010	ND	<0.5	<0.5	<0.5	2.1	<0.010	<0.010	**0.011**	<0.010	<0.010	<0.010	**0.011**	**1.3**	0.10
MW-20	ROW		9/15/2010	ND	1.60	1.00	1.20	4.5	**0.011**	**0.018**	**0.014**	**0.011**	**0.012**	<0.0095	**0.02**	**5.2**	<0.052
MW-20	ROW		11/16/2011	ND	1.50	0.90	0.80	8.40	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	**4.50**	<0.080
MW-20	ROW	DUP	11/16/2011	ND	1.40	0.80	0.60	8.90	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	**4.70**	<0.080
MW-20	ROW		6/21/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-20	ROW	Field Filtered	6/21/2012	ND	--	--	--	--	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-20	ROW	Field Filtered	9/20/2012	ND	3.20	1.30	1.40	0.47	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-20	ROW	Field Filtered	9/20/2012	ND	--	--	--	--	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	**11.9**	<0.034
MW-20	ROW		12/26/2012	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MW-20	ROW		4/23/2013	ND	<0.5	<0.5	<0.5	0.04	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-20	ROW	Field Filtered	4/23/2013	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**1.4**	<0.073
MW-20	ROW	[11]	6/10/2014	ND	7.20	0.90	1.40	0.099	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**4.1**	0.14
MW-20	ROW	[11]	11/11/2015	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**3.2**	<0.13
MW-20	ROW	[11]	4/18/2016	ND	<0.5	<0.5	0.6	0.098	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**3.5**	<0.13
MW-20	ROW	[11]	12/7/2016	ND	0.5	<0.5	0.8	0.14	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**4.7**	<0.090
MW-20	ROW		6/21/2017	ND	0.7	<0.5	0.8	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-20	ROW	Field Filtered	6/21/2017	ND	--	--	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	**2.6**	<0.11
MW-20	ROW	[11]	12/5/2017	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**4.6**	<0.11
MW-20	ROW	[11]	6/27/2018	ND	0.7	0.8	1.1	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**3.0**	<1.1
MW-20	ROW	[11]	11/27/2018	ND	<0.5	<0.5	1	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**3.5**	<1.1
MW-20	ROW	[11]	6/21/2019	ND	<0.5	0.9 J	0.7 J	1.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**2.2**	<1.1
MW-20	ROW	[11]	12/17/2019	ND	<0.2	<0.2	<0.4	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**2.7**	<0.073
MW-20	ROW	[11]	6/10/2020	ND	<0.20	0.95 J	<0.40	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	1.1 J	<0.073
MW-20	ROW		11/10/2020	ND	<0.20	<0.20	<0.40	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	**2.3**	<0.073
MW-20	ROW		6/28/2021	ND	0.117 J	0.386 J	0.203 J	2.22	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.766 J	0.953 J
MW-20	ROW		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<3.17 B	<2.00
MW-20	ROW		6/24/2022	ND	0.0610	0.548	<0.100	1.23	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**2.03**	<2.00
MW-20	ROW		12/16/2022	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	1.90 J	<0.849
MW-20	ROW		6/1/2023	ND	<1.00	0.749 J	0.300 J	0.646 J4	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500	**4.15**	<2.00
MW-20	ROW		11/28/2023	ND	<1.00	<1.00	<1.00	0.100 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**2.44**	<2.00
MW-20	**ROW**		**5/31/2024**	**ND**	**<1.00**	**0.619 J**	**<1.00**	**<0.250**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**2.32**	**<2.00**
MW-21	ROW		8/10/1999	ND	12.1	1.93	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	**13.8**	<1.0
MW-21	ROW		10/19/1999	ND	9.69	1.49	<0.750	--	<0.0078	<0.0078	<0.0078	<0.0078	<0.0078	<0.0078[4]	<0.0078	--	--
MW-21	ROW		6/21/2001	ND	2.46	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-21	ROW		6/21/2001	ND	2.70	<1.00	<1.00	1.76	--	--	--	--	--	--	--	--	--
MW-21	ROW		3/18/2002	ND	10.5	1.25	<1.00	4.09	--	--	--	--	--	--	--	--	--
MW-21	ROW		6/26/2003	ND	5.82	0.687	0.850	1.37	**0.569**	<0.0100	**0.646**	<0.0100	<0.0100	3.06	**2.35**	--	--
MW-21	ROW		9/16/2003	ND	5.43	0.86	<0.500	7.01	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	--	--
MW-21	ROW		12/15/2003	ND	4.95	0.88	<0.500	12.4	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**12.6**	<1.0
MW-21	ROW		3/26/2004	ND	5.28	0.854	<0.500	10.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**15.2**	<1.0
MW-21	ROW		9/23/2004	ND	5.45	0.806	<0.500	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**14.6**	<1.0
MW-21	ROW		3/14/2005	ND	4.55	0.693	<0.500	3.57	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**16.8**	<1.0
MW-21	ROW		3/29/2006	ND	4.19	0.800	<0.500	4.01	<0.00952	<0.00957	<0.00958	<0.00956	<0.00953	<0.00954	<0.00955	**16.4**	<1.0
MW-21	ROW		3/21/2007	ND	4.31	0.860	<0.500	6.06	<0.0485	<0.0485	<0.0485	<0.0485	<0.0485	<0.0485	<0.0485	**16.2**	<1.0
MW-21	ROW		3/25/2008	ND	4.4	0.6	<0.5	12	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010	**14.6**	0.33
MW-21	ROW		09/08-09/08	ND	6.0	0.6	<0.5	18	0.011	0.022	0.017	0.012	0.012	<0.010	**0.020**	<0.95	0.058
MW-21	ROW		03/30-31/09	ND	6.0	0.8	0.6	15	<0.10	<0.10	<0.10	<0.10	0.018	<0.10	<0.10	**11.1**	<0.050
MW-21	ROW		09/10-11/09	ND	5.1	0.7	<0.5	<15[10]	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	9.9	0.11
MW-21	ROW		3/15/2010	ND	3.6	0.6	<0.5	<20[10]	0.013	**0.046**	**0.045**	**0.038**	**0.039**	**4**	**0.080**	**8.5**	<0.050
MW-21	ROW		9/15/2010	ND	2.50	0.50	<0.5	11.00	0.011	<0.0098	<0.0098	<0.0098	**0.021**	<0.0098	<0.0098	**8.7**	<0.052
MW-21	ROW		9/24/2011	ND	<0.2	<0.2	<0.2	<1.0	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	**1.60**	<0.08
MW-21	ROW		10/10/2011	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
MW-21	ROW		6/21/2012	ND	--	--	--	--	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-21	ROW	Field Filtered	6/21/2012	ND	--	--	--	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--
MW-21	ROW		9/20/2012	ND	<7.0	0.7	<0.5	0.84	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-21	ROW	Field Filtered	9/20/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**15.5**	0.052
MW-21	ROW	DUP	12/26/2012	ND	2.7	0.6	0.5	--	--	--	--	--	--	--	--	--	--
MW-21	ROW		12/26/2012	ND	2.7	0.6	0.6	--	--	--	--	--	--	--	--	--	--
MW-21	ROW		4/23/2013	ND	11.0	0.8	0.9	1.3	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-21	ROW	Field Filtered	4/23/2013	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**11.6**	<0.047
MW-21	ROW	[11]	6/11/2014	ND	<6.0	0.70	0.50	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**13.6**	<0.085
MW-21	ROW	[11]	11/11/2015	ND	0.5	<0.5	<0.5	3.1	0.012	0.012	0.016	0.015	0.013	0.016	0.017	**13.0**	<0.13
MW-21	ROW	[11]	4/18/2016	ND	19	0.8	<0.5	0.088	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**18.5**	<0.13
MW-21	ROW	[11]	12/7/2016	ND	8.8	0.9	0.6	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**18.0**	<0.090
MW-21	ROW		6/21/2017	ND	6.6	0.6	<0.5	<0.035	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	--	--
MW-21	ROW	Field Filtered	6/21/2017	ND	--	--	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	**16.1**	<0.11
MW-21	ROW	[11]	12/5/2017	ND	<0.5	0.6	0.6	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	**16.1**	<0.11
MW-21	ROW	[11]	6/27/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**16.2**	<1.1
MW-21	ROW	[11]	11/28/2018	ND	<0.5	0.5	0.6	0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**16.0**	<1.1
MW-21	ROW	[11]	6/21/2019	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**15.7**	<1.1
MW-21	ROW	[11]	12/17/2019	ND	<0.2	0.3 J	<0.4	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**15.8**	0.074 J
MW-21	ROW	[11]	6/10/2020	ND	<0.20	0.24 J	<0.40	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	**15.0**	<0.073
MW-21	ROW		11/10/2020	ND	<0.20	<0.20	<0.40	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	**18**	<0.073
MW-21	ROW		6/28/2021	ND	0.108 J	0.303 J	<0.137	1.33	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**8.4**	<0.849
MW-21	ROW		1/6/2022	ND	0.433 J	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	11.9 J	<2.00
MW-21	ROW		6/24/2022	ND	0.0770	0.283	<0.100	1.49	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**13.4**	<2.00
MW-21	ROW		12/16/2022	ND	0.113 J	<0.278	<0.137	0.293	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**12.7**	<0.849
MW-21	ROW		6/2/2023	ND	<1.00	0.751 J	0.295 J	0.602 J4	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500	**4.39**	<2.00
MW-21	ROW		11/28/2023	ND	<1.00	<1.00	<1.00	0.240 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	13.5	<2.00
MW-21	**ROW**		**5/31/2024**	**ND**	**0.103 J**	**<1.00**	**<1.00**	**0.171 J**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**13.1**	**<2.00**
MW-22	ROW		8/10/1999	ND	**1,140**	44.9	93.5	7.56	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	**1.66**	<1.0
MW-22	ROW		10/22/1999	ND	**1,680**	109	191	--	.0017[4]	0.0013[4]	0.0024[4]	0.0012[4]	0.002[4]	<0.0079[4]	0.0015[4]	--	--
MW-22	ROW		1/6/2000	ND	**1,410**	46.8	105	--	--	--	--	--	--	--	--	--	--
MW-22	ROW		1/15/2001	ND	**2,040**	161	254	19.2	--	--	--	--	--	--	--	--	--
MW-22	ROW		6/21/2001	ND	**1,710**	64.8	144	<50.0	--	--	--	--	--	--	--	--	--
MW-22	ROW		3/18/2002	ND	**1,920**	85.5	242	21.3	--	--	--	--	--	--	--	--	--
MW-22	ROW		7/2/2002	ND	**2,000**	84.9	288	--	--	--	--	--	--	--	--	--	--
MW-22	ROW		9/3/2002	ND	**2,020**	66.8	312	--	--	--	--	--	--	--	--	--	--
MW-22	ROW		12/31/2002	ND	**2,360**	159	385	--	--	--	--	--	--	--	--	--	--
MW-22	ROW		6/25/2003	ND	**1,950**	84.4	273	--	--	--	--	--	--	--	--	--	--
MW-22	ROW		9/16/2003	ND	**2,590**	189	425	<50.0	--	--	--	--	--	--	--	--	--
MW-22	ROW		12/17/2003	ND	**1,250**	52.9	188	15.8	--	--	--	--	--	--	--	--	--
MW-22	ROW		12/17/2003	ND	**1,920**	59	207	18.5	--	--	--	--	--	--	--	--	--
MW-22	ROW		3/25/2004	ND	**1,630**	35.4	208	14.9	--	--	--	--	--	--	--	--	--
MW-22	ROW		3/21/2007	ND	**840**	54.5	117	20.8	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**4.15**	<1.0
MW-22	ROW		3/25/2008	ND	**730**	31	90	5.5	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	**3.5**	0.12
MW-22	ROW		09/08-09/08	ND	**880**	46	130	14	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	6.4	<0.050
MW-22	ROW		03/30-31/09	ND	**830**	37	98	7.3	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	3.6	<0.050
MW-22	ROW		09/10-11/09	ND	**1,100**	42	130	10	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	3.9	0.45
MW-22	ROW		3/15/2010	ND	**720**	25	70	5.0	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	**4.8**	<0.050
MW-22	ROW		9/15/2010	ND	**820**	50	100	6.9	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	**5.7**	<0.052
MW-22	ROW	[11]	6/11/2014	ND	**780**	45	67	1.3	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**2.5**	<0.085
MW-22	ROW		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.60 B	<2.00
MW-22	ROW		6/24/2022	ND	<0.0400	<0.200	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**3.54**	<2.00

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
MW-24	North Yard		3/21/2007	ND	<0.500	<0.500	<0.500	<5.00	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<1.00	<1.00
MW-24	North Yard	[11]	6/10/2014	ND	<0.5	<0.5	<0.5	0.06	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	<0.085
MW-24	North Yard		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-24	North Yard		6/24/2022	ND	<0.0400	<0.200	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.671 J	<2.00
MW-25	South Yard		8/9/1999	ND	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	**1.42**	3.71
MW-25	South Yard		10/19/1999	ND	<0.500	<0.500	<0.500	<0.023	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079[4]	<0.0079	--	--
MW-25	South Yard		1/6/2000	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		7/27/2000	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-25	South Yard		7/26/2001	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-25	South Yard		3/19/2002	ND	2.06	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-25	South Yard		7/2/2002	ND	28.4	11.5	2.85	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		9/3/2002	ND	**68.0**	0.810	<0.500	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		10/11/2002	ND	**61**	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		12/31/2002	ND	0.557	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		3/26/2003	ND	3.20	0.617	<0.500	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		4/28/2003	ND	15.5	1.64	1.56	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		5/30/2003	ND	21.8	0.872	2.69	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		6/25/2003	ND	9.06	0.545	1.33	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-25	South Yard		9/15/2003	ND	<0.500	<0.500	<0.500	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-25	South Yard		12/15/2003	ND	<0.500	<0.500	<0.500	1.76	**0.064**	**0.0628**	<0.0100	<0.0100	**0.0448**	< 0.0100	**0.0608**	**17.6**	<1.0
MW-25	South Yard		3/25/2004	ND	<0.500	<0.500	<0.500	<0.100	0.0142	<0.0100	<0.0100	0.0117	0.0151	<0.0100	<0.0100	**10.1**	<1.0
MW-25	South Yard		9/22/2004	ND	<0.500	<0.500	<0.500	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**3.97**	<1.0
MW-25	South Yard		3/14/2005	ND	<0.500	<0.500	<0.500	<0.100	0.0136	0.0117	0.013	0.0192	0.0154	< 0.0100	0.0101	**12.3**	<1.0
MW-25	South Yard		3/29/2006	ND	<0.500	<0.500	<0.500	<1.00	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	**9.81**	<1.0
MW-25	South Yard		3/21/2007	ND	<0.500	<0.500	<0.500	<5.00	0.0133	0.0111	<0.0100	<0.0100	0.0113	<0.0100	<0.0100	**7.23**	<1.0
MW-25	South Yard		3/25/2008	ND	<0.5	<0.5	<0.5	0.013	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	**6.0**	0.15
MW-25	South Yard		09/08-09/08	ND	<0.5	<0.5	<0.5	<1.0	<0.010	<0.010	<0.010	<0.010	0.019	<0.010	<0.010	<0.95	<0.050
MW-25	South Yard		03/30-31/09	ND	<0.5	<0.5	<0.5	<1.0	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.95	<0.050
MW-25	South Yard		09/10-11/09	ND	<0.5	<0.5	<0.5	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.95	<0.050
MW-25	South Yard		3/15/2010	ND	<0.5	<0.5	<0.5	1.6	0.021	0.022	0.025	0.011	0.025	<0.0096	0.013	<0.95	0.21
MW-25	South Yard		9/15/2010	ND	<0.5	<0.5	<0.5	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.95	<0.052
MW-25	South Yard		9/25/2011	ND	<0.2	<0.2	<0.2	<1.0	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	**1.60**	<0.08
MW-25	South Yard		10/10/2011	ND	--	--	--	--	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MW-25	South Yard		6/21/2012	ND	--	--	--	--	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	--	--
MW-25	South Yard	Field Filtered	6/21/2012	ND	--	--	--	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--
MW-25	South Yard		9/20/2012	ND	<0.5	<0.5	<0.5	0.054	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-25	South Yard	Field Filtered	9/20/2012	ND	--	--	--	--	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	**2.3**	<0.034
MW-25	South Yard		12/26/2012	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		4/22/2013	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-25	South Yard	Field Filtered	4/22/2013	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.90**	<0.073
MW-25	South Yard	[11]	6/10/2014	ND	<0.5	<0.5	<0.5	0.047	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.96**	<0.085
MW-25	South Yard	[11]	11/11/2015	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**3.7**	<0.13
MW-25	South Yard	[11]	4/18/2016	ND	<0.5	<0.5	<0.5	0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**1.0**	<0.13
MW-25	South Yard	[11]	12/7/2016	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	**0.016**	**0.013**	**0.017**	<0.010	<0.010	**4.1**	<0.090
MW-25	South Yard		6/21/2017	ND	<0.5	<0.5	<0.5	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-25	South Yard	Field Filtered	6/21/2017	ND	--	--	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MW-25	South Yard	[11]	12/5/2017	ND	<0.5	<0.5	<0.5	<0.030	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	**3.4**	<0.11
MW-25	South Yard	[11]	6/26/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**2.5**	<1.1
MW-25	South Yard	[11]	11/27/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**5.6**	<1.1
MW-25	South Yard	[11]	6/21/2019	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-25	South Yard	[11]	12/17/2019	ND	<0.2	<0.2	<0.4	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**4.0**	<0.073

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
MW-25	South Yard	[11]	6/10/2020	ND	<0.20	<0.20	<0.40	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.70	<0.073
MW-25	South Yard		11/10/2020	ND	<0.20	<0.20	<0.40	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	**1.8 J**	<0.073
MW-25	South Yard		6/28/2021	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.355 J**	1.27 J
MW-25	South Yard		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<3.35 B	<2.00
MW-25	South Yard		6/24/2022	ND	<0.0400	<0.200	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00	<2.00
MW-25	South Yard		12/16/2022	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**1.39 J**	<0.849
MW-25	South Yard		6/1/2023	ND	<1.00	0.751 J	0.295 J	0.602 J4	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500	**4.39**	<2.00
MW-25	South Yard		11/28/2023	ND	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**1.64 J**	<2.00
MW-25	**South Yard**		**5/31/2024**	**ND**	**<1.00**	**<1.00**	**<1.00**	**<0.250**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**0.223 J**	**<2.00**
MW-26	South Yard		8/9/1999	ND	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	<1.0
MW-26	South Yard		10/19/1999	ND	<0.500	<0.500	<0.500	<0.0099	.0042[4]	.0039[4]	.0051[4]	0.0027[4]	0.0044[4]	<0.0081[4]	0.0033[4]	--	--
MW-26	South Yard		1/6/2000	ND	0.621	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		4/12/2000	ND	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	--	--
MW-26	South Yard		6/27/2000	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-26	South Yard		7/26/2001	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-26	South Yard		3/19/2002	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MW-26	South Yard		12/31/2002	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		2/27/2003	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		3/26/2003	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		4/28/2003	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		5/30/2003	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		6/25/2003	ND	<0.500	<0.500	<0.500	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-26	South Yard		9/15/2003	ND	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-26	South Yard		12/15/2003	ND	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
MW-26	South Yard		9/22/2004	ND	<0.500	<0.500	<0.500	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**1.05**	<1.0
MW-26	South Yard		3/14/2005	ND	<0.500	<0.500	<0.500	<0.100	0.0236	0.0143	0.0152	0.0239	0.0188	<0.0100	<0.0100	**1.26**	<1.0
MW-26	South Yard		3/29/2006	ND	<0.500	<0.500	<0.500	<1.00	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<1.0	<1.0
MW-26	South Yard		3/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		3/25/2008	ND	<0.5	<0.5	<0.5	0.011	<0.0099	0.011	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.70	0.38
MW-26	South Yard		09/08-09/08	ND	<0.5	<0.5	<0.5	<1.0	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.95	<0.050
MW-26	South Yard		12/11/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		03/30-31/09	ND	<0.5	<0.5	<0.5	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.95	<0.050
MW-26	South Yard		09/10-11/09	ND	<0.5	<0.5	<0.5	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.95	<0.050
MW-26	South Yard		3/15/2010	ND	<0.5	<0.5	<0.5	1.2	<0.0096	<0.0096	0.043[4]	<0.0096[4]	<0.0096	<0.0096	<0.0096	<0.95	<0.050
MW-26	South Yard		9/15/2010	ND	<0.5	<0.5	<0.5	<1.0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.95	<0.052
MW-26	South Yard		9/25/2011	ND	<0.2	<0.2	<0.2	<1.0	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.95	<0.08
MW-26	South Yard		10/10/2011	ND	--	--	--	--	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MW-26	South Yard		6/21/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-26	South Yard	Field Filtered	6/21/2012	ND	--	--	--	--	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-26	South Yard		9/21/2012	ND	<0.5	<0.5	<0.5	<0.030	--	--	--	--	--	--	--	--	--
MW-26	South Yard		9/21/2012	ND	<0.5	<0.5	<0.5	<0.030	--	--	--	--	--	--	--	--	--
MW-26	South Yard		9/26/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-26	South Yard	DUP	9/26/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-26	South Yard	Field Filtered	9/26/2012	ND	--	--	--	--	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	**0.53**	<0.034
MW-26	South Yard	DUP, Field Filtered	9/26/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.49**	0.10
MW-26	South Yard		12/26/2012	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		4/22/2013	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-26	South Yard	Field Filtered	4/22/2013	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.42	<0.073
MW-26	South Yard	Field Filtered [11]	6/10/2014	ND	<0.5	<0.5	<0.5	0.068	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	<0.085
MW-26	South Yard	[11]	11/11/2015	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	<0.13
MW-26	South Yard	[11]	4/18/2016	ND	<0.5	<0.5	<0.5	0.041	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	<0.13
MW-26	South Yard	[11]	12/7/2016	ND	<0.5	<0.5	<0.5	0.036	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.68	0.390

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
MW-26	South Yard		6/21/2017	ND	<0.5	<0.5	<0.5	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-26	South Yard	Field Filtered	6/21/2017	ND	--	--	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MW-26	South Yard	[11]	12/6/2017	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.72	<0.11
MW-26	South Yard	[11]	6/27/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-26	South Yard	[11]	11/28/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-26	South Yard	[11]	12/18/2019	ND	<0.2	<0.2	<0.4	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.70	<0.073
MW-26	South Yard	[11]	6/11/2020	ND	<0.20	<0.20	<0.40	1.000	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	**0.80 J**	<0.073
MW-26	South Yard		11/10/2020	ND	<0.20	<0.20	<0.40	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	<0.073
MW-26	South Yard		6/28/2021	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.382 J**	<0.849
MW-26	South Yard		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-26	South Yard		6/24/2022	ND	<0.0400	<0.200	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.350 J**	<2.00
MW-26	South Yard		12/16/2022	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**0.366 J**	<0.849
MW-26	South Yard		6/1/2023	ND	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500	**0.286 J**	<2.00
MW-26	South Yard		11/28/2023	ND	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.307 J**	<2.00
MW-26	**South Yard**		**5/31/2024**	**ND**	**<1.00**	**<1.00**	**<1.00**	**<0.250**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**0.763 J**	**<2.00**
MW-27	North Yard		9/13/1999	--	10.8	<0.500	<1.00	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	--	--
MW-27	North Yard		10/22/1999	--	4.44	<0.500	<0.500	5.8[3]	**0.0041**[4]	**0.0013**[4]	**0.006**[4]	**0.0033**[4]	**0.0042**[4]	<0.032	<0.032	--	--
MW-27	North Yard		1/6/2000	--	10.5	<2.50	<2.50	--	--	--	--	--	--	--	--	--	--
MW-28	North Yard		8/11/1999	ND	1,810	1,450	884	238	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	9.21	6.82
MW-28	North Yard		10/21/1999	ND	2,890	2,700	1,350	180[3]	<0.0082	<0.0082	<0.0082	<0.0082	<0.0082	<0.0082[4]	<0.0082	--	--
MW-28	North Yard		10/21/1999	ND	2,700	2,480	1,280	--	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081[4]	<0.0081	--	--
MW-28	North Yard		1/6/2000	ND	1,770	2,090	1,180	--	--	--	--	--	--	--	--	--	--
MW-28	North Yard		7/27/2000	ND	1,840	2,420	702	356	--	--	--	--	--	--	--	--	--
MW-28	North Yard		9/29/2000	ND	927	902	450	--	--	--	--	--	--	--	--	--	--
MW-28	North Yard		1/15/2001	ND	1,970	2,070	635	98.8	--	--	--	--	--	--	--	--	--
MW-28	North Yard		6/21/2001	ND	1,950	3,130	1,190	272	--	--	--	--	--	--	--	--	--
MW-28	North Yard		6/26/2003	ND	1,230	615	1,290	--	--	--	--	--	--	--	--	--	--
MW-28	North Yard		9/15/2003	ND	848	175	916	272	--	--	--	--	--	--	--	--	--
MW-28	North Yard		12/15/2003	ND	881	474	1,010	284	--	--	--	--	--	--	--	--	--
MW-28	North Yard		3/25/2004	ND	712	281	854	288	--	--	--	--	--	--	--	--	--
MW-29	ROW	[11]	8/12/2014	ND	<2.0	<0.2	0.7	3.1	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**7.1**	<0.082
MW-29	ROW		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-29	ROW		6/24/2022	ND	<0.0400	<0.200	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00	<2.00
MW-30	ROW	[11]	8/12/2014	ND	<0.2	<0.2	<0.2	<1.0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.84**	<0.082
MW-30	ROW	DUP [11]	8/12/2014	ND	<0.2	<0.2	<0.2	<1.0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010		
AGI-2	South Yard		8/10/1999	ND	38.8	11.7	1.57	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	**10.6**	1.84
AGI-2	South Yard		10/20/1999	ND	20.3	12.1	5.14	0.097	**.0014**[3]	<0.008	**0.0019**[4]	**0.0014**[4]	**0.0014**[4]	<0.008[4]	**0.0011**[4]	--	--
AGI-2	South Yard		1/15/2001	ND	41.2	17.8	7.44	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		6/21/2001	ND	**296**	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		7/26/2001	ND	**397.0**	14.9	16.9	<1.00	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		3/18/2002	ND	**43.2**	78.9	17.6	1.68	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		3/18/2002	ND	40.5	72.8	16.4	<2.00	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		5/7/2002	ND	6.16	2.24	2.76	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		6/6/2002	ND	4.58	1.52	2.04	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		7/2/2002	ND	3.60	2.52	2.00	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		9/3/2002	ND	3.48	2.59	3.16	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		12/31/2002	ND	1.10	1.36	1.34	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		3/26/2003	ND	40.3	481	302	--	--	--	--	--	--	--	--	--	--

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
AGI-2	South Yard		4/28/2003	ND	27.7	351	190	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		5/30/2003	ND	19.4	358	200	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		6/25/2003	ND	3.34	1.23	7.70	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
AGI-2	South Yard		9/15/2003	ND	1.01	0.832	1.40	<1.00	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		12/15/2003	ND	0.688	0.599	0.851	<1.00	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		3/26/2004	ND	2.06	1.12	1.56	<1.00	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		3/21/2007	ND	0.78	<0.500	0.58	<5.00	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	**0.00994**	**4.68**	<1.0
AGI-2	South Yard		09/10-11/09	ND	11	3.5	5.8	2.1	**0.29**	<0.097[8]	**0.18**	<0.097[8]	**0.32**	<0.097[8]	<0.097[8]	**6.0**	0.18
AGI-2	South Yard		3/15/2010	ND	3.5	0.9	2.0	4.9	**0.43**	**0.12**	**0.23**	**0.14**	**0.51**	**0.027**	**0.095**	**4.9**	0.053
AGI-2	South Yard		9/15/2010	ND	19.0	6.5	15.0	2.4	**0.55**	**0.15**	**0.2**	**0.17**	**0.61**	**0.03**	**0.17**	**7.7**	<0.052
AGI-2	South Yard		6/21/2012	ND	--	--	--	--	**0.011**	<0.010	<0.010	<0.010	**0.012**	<0.010	<0.010	--	--
AGI-2	South Yard	Field Filtered	6/21/2012	ND	--	--	--	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--
AGI-2	South Yard		9/20/2012	ND	**61.0**	12.0	6.2	0.86	**0.011**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
AGI-2	South Yard	Field Filtered	9/20/2012	ND	--	--	--	--	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	**12.8**	0.073
AGI-2	South Yard	Field Filtered	12/26/2012	ND	11	3.6	1.4	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		4/23/2013	ND	5.1	1.1	5.9	0.63	**0.015**	<0.010	<0.010	<0.010	**0.015**	<0.010	<0.010	--	--
AGI-2	South Yard	DUP Field Filtered	4/23/2013	ND	4.2	1.4	3.9	0.60	**0.015**	<0.010	<0.010	<0.010	**0.013**	<0.010	<0.010	--	--
AGI-2	South Yard	Field Filtered	4/23/2013	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**10.9**	<0.073
AGI-2	South Yard	DUP Field Filtered	4/23/2013	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**11.6**	<0.047
AGI-2	South Yard	[11]	6/11/2014	ND	9.2	2.5	7.4	0.35	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**10.8**	<0.085
AGI-2	South Yard	[11]	11/11/2015	ND	42	10	140	20	**0.023**	<0.010	<0.010	<0.010	**0.022**	<0.010	<0.010	**6.1**	0.47
AGI-2	South Yard	[11]	4/18/2016	ND	1.7	1.0	7.1	0.31	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**9.1**	<0.13
AGI-2	South Yard	[11]	12/7/2016	ND	2.1	1.2	6.3	0.24	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**10.4**	<0.090
AGI-2	South Yard		6/21/2017	ND	1.9	1.1	11.0	0.37	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
AGI-2	South Yard	Field Filtered	6/21/2017	ND	--	--	--	0.22	**0.011**	**0.012**	**0.019**	<0.011	<0.011	<0.011	<0.011	**11.7**	<0.11
AGI-2	South Yard	[11]	12/6/2017	ND	3.4	2.1	2.9	<0.031	<0.010	<0.010	**0.011**	<0.010	<0.010	<0.010	<0.010	**11.2**	0.16
AGI-2	South Yard	[11]	6/27/2018	ND	1.1	0.5	1.9	0.20	<0.01	**0.02**	**0.02**	**0.02**	<0.01	**0.02**	**0.02**	**8.9**	<1.1
AGI-2	South Yard	[11]	11/28/2018	ND	8.6	<0.5	10	<0.03	**0.01**	**0.01**	**0.01**	<0.01	**0.02**	<0.02	**0.01**	**5.9**	11.2
AGI-2	South Yard	[11]	6/21/2019	ND	2	1.1 J	10	0.4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**9.2**	<1.1
AGI-2	South Yard	[11]	12/18/2019	ND	**48**	9	12	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	**12.4**	<0.073
AGI-2	South Yard	[11]	6/11/2020	ND	1.6	0.49 J	12	0.066 J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	**9.5**	<0.073
AGI-2	South Yard		11/10/2020	ND	14	4.5	7.2	0.36	<0.011	<0.011	<0.011	<0.011	<0.011	<0.021	<0.011	**12**	0.11 J
AGI-2	South Yard		6/28/2021	ND	0.913 J	<0.278	1.97	0.56	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**2**	<0.849
AGI-2	South Yard		1/6/2022	ND	1.06	0.615 J	4.99	0.245 J	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**10.2 J**	2.03
AGI-2	South Yard		6/24/2022	ND	0.730	0.389	8.44	0.956	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**9.17**	<2.00
AGI-2	South Yard		12/16/2022	ND	20.100	2.67	23.1	93.8	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**5.02**	0.888 J
AGI-2	South Yard		6/2/2023	ND	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**2.36**	3.3
AGI-2	South Yard		11/28/2023	ND	2.81	1.26	11.9	0.914	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**13.8**	<2.00
AGI-2	**South Yard**		**5/31/2024**	**ND**	**1.06**	**0.300 J**	**9.20**	**0.271**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**10.0**	**<2.00**
MLU-1	South Yard		8/10/1999	ND	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	<1.0
MLU-1	South Yard		10/20/1999	ND	<0.500	<0.500	<0.500	0.023	**.0012**[4]	**0.00091**[4]	**.0022**[4]	<0.0079	<0.0079	<0.0079	**.0013**[4]	--	--
MLU-1	South Yard		1/6/2000	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
MLU-1	South Yard		4/12/2000	ND	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	--	--
MLU-1	South Yard		6/27/2000	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MLU-1	South Yard		6/25/2003	ND	<0.500	<0.500	<0.500	<0.100	**0.0476**	**0.0264**	<0.0100	**0.0164**	**0.0285**	<0.0100	**0.0776**	--	--
MLU-1	South Yard		9/15/2003	ND	0.6280	<0.500	<0.500	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MLU-1	South Yard		12/15/2003	ND	<0.500	<0.500	<0.500	<1.00	<0.0100	**0.0653**	<0.0100	<0.0100	**0.051**	<0.0100	<0.0100	<1.0	<1.0
MLU-1	South Yard		3/25/2004	ND	<0.500	<0.500	<0.500	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<1.0	<1.0
MLU-1	South Yard		3/21/2007	ND	<0.500	<0.500	<0.500	<5.00	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<1.0	<1.0
MLU-1	South Yard		09/10-11/09	ND	<0.5	<0.5	<0.5	<1.0	**0.012**	**0.011**	**0.021**	<0.0098	**0.014**	<0.0098	**0.011**	<0.95	<0.050
MLU-1	South Yard		3/15/2010	ND	<0.5	<0.5	<0.5	1.7	<0.010	<0.010	**0.066**[10]	<0.010[10]	<0.010	<0.010	<0.010	<0.95	<0.050
MLU-1	South Yard		9/15/2010	ND	<0.5	<0.5	<0.5	<1.0	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.95	<0.052

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

ARCADIS

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
MLU-1	South Yard		6/21/2012	ND	--	--	--	--	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MLU-1	South Yard	Field Filtered	6/21/2012	ND	--	--	--	--	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MLU-1	South Yard		9/21/2012	ND	<0.5	<0.5	<0.5	<0.031	--	--	--	--	--	--	--	--	--
MLU-1	South Yard		9/26/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MLU-1	South Yard	Field Filtered	9/26/2012	ND	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.40	0.041
MLU-1	South Yard		12/26/2012	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MLU-1	South Yard		4/22/2013	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MLU-1	South Yard	Field Filtered	4/22/2013	ND					<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.40	0.097
MLU-1	South Yard	[11]	6/11/2014	ND	<0.5	<0.5	<0.5	0.051	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	<0.085
MLU-1	South Yard	[11]	11/11/2015	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	<0.13
MLU-1	South Yard	[11]	4/18/2016	ND	<0.5	<0.5	<0.5	0.035	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	0.23
MLU-1	South Yard	[11]	12/7/2016	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.68	<0.090
MLU-1	South Yard		6/21/2017	ND	<0.5	<0.5	<0.5	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MLU-1	South Yard	Field Filtered	6/21/2017	ND	--	--	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MLU-1	South Yard	[11]	12/6/2017	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.72	<0.11
MLU-1	South Yard	[11]	6/27/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-1	South Yard	[11]	11/28/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-1	South Yard	[11]	6/21/2019	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-1	South Yard	[11]	12/18/2019	ND	<0.2	<0.2	<0.4	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.70	0.084 J
MLU-1	South Yard	[11]	6/11/2020	ND	<0.20 H	<0.20 H	<0.40 H	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.70	<0.073
MLU-1	South Yard		11/10/2020	ND	<0.20	<0.20	<0.40	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	0.35 J
MLU-1	South Yard		6/28/2021	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<0.180	<0.849
MLU-1	South Yard		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MLU-1	South Yard		6/24/2022	ND	<0.0400	0.144 J	0.0800 J	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00	<2.00
MLU-1	South Yard		12/16/2022	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	1.16 J	<0.849
MLU-1	South Yard		6/1/2023	ND	<1.00	<1.00	<1.00	<0.250 J4	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 J4	<0.0500	<0.0500	<2.00	<2.00
MLU-1	South Yard		11/28/2023	ND	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.206 J	<2.00
MLU-1	**South Yard**		**5/31/2024**	**ND**	**<1.00**	**<1.00**	**<1.00**	**<0.250**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**0.202 J**	**<2.00**
MLU-3	South Yard		8/20/1999	ND	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<1.0	<1.0
MLU-3	South Yard		10/20/1999	ND	<0.500	<0.500	<0.500	0.057	**0.0099**	**0.01**	**0.011**	**0.0075**[4]	**0.013**	**0.0019**[4]	**0.0075**[4]	--	--
MLU-3	South Yard		7/26/2001	ND	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
MLU-3	South Yard	[11]	6/11/2014	ND	<0.5	<0.5	<0.5	0.056	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	0.15
MLU-3	South Yard	[11]	11/11/2015	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	**0.014**	<0.010	**0.013**	<0.010	<0.010	**0.79**	0.22
MLU-3	South Yard	[11]	4/18/2016	ND	<0.5	<0.5	<0.5	0.036	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	0.18
MLU-3	South Yard	[11]	12/7/2016	ND	<0.5	<0.5	<0.5	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.71**	1.8
MLU-3	South Yard		6/21/2017	ND	<0.5	<0.5	<0.5	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MLU-3	South Yard	Field Filtered	6/21/2017	ND	--	--	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MLU-3	South Yard	[11]	12/6/2017	ND	<0.5	<0.5	<0.5	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MLU-3	South Yard		6/27/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-3	South Yard	[11]	11/28/2018	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-3	South Yard	[11]	6/21/2019	ND	<0.5	<0.5	<0.5	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-3	South Yard	[11]	12/18/2019	ND	<0.2	<0.2	<0.4	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	1.0 J	0.67
MLU-3	South Yard	[11]	6/11/2020	ND	<0.20 H	<0.20 H	<0.40 H	0.034 J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.70	<0.073
MLU-3	South Yard		11/11/2020	ND	<0.20	<0.20	<0.40	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.021	<0.011	<0.70	1.3
MLU-3	South Yard		6/28/2021	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<0.180	0.950 J
MLU-3	South Yard		1/6/2022	ND	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	5.45 J
MLU-3	South Yard		6/24/2022	ND	<0.0400	0.147 J	<0.100	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.452 J	3.56
MLU-3	South Yard		12/16/2022	ND	<0.0941	<0.278	<0.137	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	1.15 J	<0.849
MLU-3	South Yard		6/2/2023	ND	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.458 J	<2.00
MLU-3	South Yard		11/28/2023	ND	<1.00	<1.00	<1.00	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	1.15 J	0.860 J
MLU-3	**South Yard**		**5/31/2024**	**ND**	**<1.00**	**<1.00**	**<1.00**	**<0.250**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**<0.0500**	**0.779 J**	**2.18**
Quality Control Samples																	

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**
Trip Blank	NA		8/9/1999	--	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		8/10/1999	--	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		8/11/1999	--	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		10/20/1999	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		1/7/2000	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		4/13/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		4/13/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		4/13/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		4/13/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		4/13/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		6/28/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		9/29/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		1/15/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		6/21/2001	--	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		3/18/2002	--	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		3/19/2002	--	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		4/3/2002	--	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		9/3/2002	--	<0.500	<0.500	1.09	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		12/31/2002	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		6/26/2003	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		9/15/2003	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		12/15/2003	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		3/25/2004	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		9/23/2004	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		3/14/2005	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		3/29/2006	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		3/21/2007	--	<0.500	<0.500	<0.500	<5.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		3/25/2008	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--
Field Blank	NA		8/20/1999	--	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/20/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/20/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/20/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/22/1999	--	--	--	1.1	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/22/1999	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/25/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/25/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/26/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/26/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		6/21/2001	--	<1.00	<1.00	2.49	1.88	--	--	--	--	--	--	--	--	--
Field Blank	NA		6/27/2001	--	<1.00	<1.00	1.79	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		7/26/2001	--	1.22	<1.00	4.26	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		3/19/2002	--	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		9/3/2002	--	0.857	<0.500	3.84	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		12/31/2002	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		9/17/2003	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		12/17/2003	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		3/26/2004	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		9/23/2004	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		3/14/2005	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		3/29/2006	--	<0.500	<0.500	<0.500	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		3/21/2007	--	<0.500	<0.500	<0.500	<5.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		3/25/2008	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--
Field Blank	NA		09/08-09/08	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982 [12]**	**5**
QA	NA		03/30-31/09	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		09/10-11/09	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		3/15/2010	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		9/15/2010	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		9/24/2011	--	<0.2	<0.2	<0.2	--	--	--	--	--	--	--	--	--	--
QA	NA		11/16/2011	--	<0.2	<0.2	<0.2	--	--	--	--	--	--	--	--	--	--
QA	NA		6/10/2014	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		11/11/2015	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		4/18/2016	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		12/7/2016	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		6/21/2017	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		12/5/2017	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		6/26/2018	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		11/27/2018	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		6/21/2019	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
QA	NA		12/18/2019	--	<0.2	<0.2	<0.4	--	--	--	--	--	--	--	--	--	--
QA	NA		6/10/2020	--	<0.2	<0.2	<0.4	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.70	<0.073
QA	NA		11/10/2020	--	<0.20	<0.20	<0.40	--	--	--	--	--	--	--	--	--	--

Appendix D
Historical Groundwater Analytical Results
Former Chevron Bulk Plant -1001327
1602 North Northlake Way
Seattle, Washington

Monitoring Well[1]	Well Location	Comments	Date Sampled	LNAPL[2]	Petroleum Constituents				Carcinogenic Polycyclic Aromatic Hydrocarbons							Metals	
					Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level					**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982** [12]	**5**

Notes:
BOLD = indicates data from current reporting period
BOLD and shaded = Concentrations are greater than their respective site cleanup levels
Grey = Indicates the monitoirng well is no longer present
All results are reported in micrograms per liter (µg/L)

[1]Monitoring well locations are shown in Figure 3.
[3]Laboratory report indicates concentration exceeds the instrument calibration range.
[4]Laboratory report indicates estimated value.
[5]Laboratory report indicates the reporting limits were raised because sample dilution was necessary to bring internal standard within QC limits
[6]Laboratory report indicates the surrogate data is outside the QC limits due to irresolvable matrix problems evident in the sample chromatogram.
[7]Laboratory report indicates due to the presence of an interferent near its retention time, the normal reporting limit was not attained for toluene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.
[8]Laboratory report indicates due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.
[9]Laboratory report indicates due to the presence of interferents near their retention time, normal reporting limits were not attained for benzene and toluene. The presence or concentrations of these compounds cannot be determined below the reporting limits due to the presence of these inte

[11] Carcinogenic polycyclic aromatic hydrocarbons, arsenic and lead samples were filtered in the field using a disposable 0.45 micron filter
[12] The arsenic Site Cleanup Level (CUL) is two orders of magnitude below the USEPA Method 6020/6020A/6020B practical quantitation limit (PQL) (or reported detection limit [RDL]) for arsenic (2 µg/L) and one order of magnitude below the USEPA Method 6020/6020A/6020B Method Detect

Acronyms and Abbreviations
LNAPL = Light nonaqueous phase liquid.
Sheen = sheen observed in water
-- = not measured or not obtainable

Laboratory Qualifiers:
< = Indicates concentration is less than the Method Detection Limit (MDL).
J = The concentration is an estimated value - the result is greater than the MDL and less than the PQL (or RDL)
B = The same analyte is found in the associated laboratory method blank.

Laboratory Analytical Methods:
Benzene, toluene, and ethylbenzene by (EPA) method 8260D

Since 2011. Polyaromatic hydrocarbons - benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene and naphthalene - by EPA method 8270C SIM, 8270D SIM or 8270E SIM. Naphthalene was also analysed
Since 2011. Dissolved lead and arsenic by EPA method 6020, 6020A or 6020B

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