

CONFIRMATIONAL GROUNDWATER MONITORING REPORT – JANUARY 2022 SAMPLING EVENT

SeaTac Development Site (MasterPark Lot C Property)

Prepared for:

Dr. Jerome Cruz
Washington Department of Ecology

March 2022



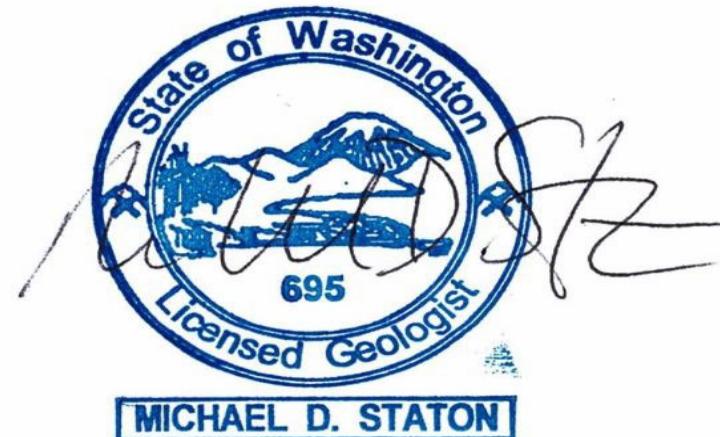
Confirmational Groundwater Monitoring Report - January 2022 Sampling Event

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This document has been prepared by SLR International Corporation (SLR). The material and data in this report were prepared under the supervision and direction of the undersigned.



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ACRONYMS

µg/L	micrograms per liter
mg/L	milligrams per liter
Apex	Apex Laboratories, Inc.
BTEX	benzene, toluene, ethylbenzene, and xylenes
CMP	Compliance Monitoring Plan
COC	contaminants of concern
DO	dissolved oxygen
Ecology	Washington Department of Ecology
EDB	1,2-dibromoethane
Golder	Golder Associates, Inc.
GRO	gasoline range organics
IAS/SVE	in-situ air sparging and soil vapor extraction
MDL	method detection limit
MRL	method reporting limit
MSL	mean sea level
ORP	oxygen reduction potential
QA	quality assurance
QC	quality control
SLR	SLR International Corporation

1. INTRODUCTION

On January 24 and 25, 2022, SLR International Corporation (SLR) conducted a semiannual confirmational groundwater monitoring event at the SeaTac Development Site (the Site), which is primarily located at 16025 International Boulevard in SeaTac, Washington (the subject property). The location of the subject property, which is occupied by the MasterPark Lot C parking lot, is shown on Figure 1.

From approximately May to July 2013 and December 2013 through July 2017, Golder Associates, Inc. (Golder) operated an in-situ air sparging and soil vapor extraction (IAS/SVE) system at the subject property to remediate the petroleum hydrocarbon-impacted groundwater at the Site. After the deactivation of the IAS/SVE system in July 2017, performance groundwater monitoring events were conducted on a semiannual basis from November 2017 through July 2019 to monitor any changes in the petroleum hydrocarbon concentrations over time. The results of the performance groundwater monitoring showed that petroleum hydrocarbon concentrations in the groundwater beneath the northern and northwestern parts of the subject property were still above the MTCA Method A cleanup levels by July 2019 (SLR, 2019). To reduce the remaining petroleum hydrocarbon concentrations in the groundwater, SLR reactivated the IAS/SVE system on September 5, 2019. The system was operated through July 15, 2020, when it was deactivated prior to the July 2020 performance groundwater monitoring event. Based on the results of the January and July 2020 performance groundwater monitoring events (SLR, 2020a and SLR, 2020b), it appeared that the IAS/SVE system had effectively reduced the petroleum hydrocarbon concentrations in the groundwater beneath the subject property to levels that should naturally attenuate to below the cleanup levels within a reasonable timeframe. Therefore, the IAS/SVE system was not reactivated after the July 2020 performance groundwater monitoring event.

In accordance with the Compliance Monitoring Plan (CMP; Golder 2011) for the Site, the confirmational groundwater monitoring program was started to evaluate the potential rebound of contaminant concentrations after the deactivation of the IAS/SVE system, and if there is minimal rebound, to demonstrate that the contaminant concentrations have been reduced to below the cleanup levels or to concentrations that will naturally attenuate to below the cleanup levels within a reasonable timeframe. The first four quarterly confirmational groundwater monitoring events were conducted in October 2020, January 2021, April 2021, and July 2021. The groundwater sample analytical results showed that there was some localized rebound of the gasoline-range organics (GRO) concentrations at monitoring wells MW-07, MW-12, and MW-22; however, the GRO concentrations were not at levels that justified reactivation of the IAS/SVE system (SLR, 2020d; SLR, 2021a; SLR, 2021b; SLR, 2021c).

The January 2022 groundwater sampling activities were conducted in accordance with the CMP for the Site, as well as with the modifications to the confirmational groundwater monitoring program (SLR, 2020c) that were approved by the Washington Department of Ecology (Ecology; Ecology, 2020).

2. GROUNDWATER SAMPLING EVENT

On January 24 and 25, 2022, SLR personnel collected groundwater samples from monitoring wells MW-07, MW-09, MW-12, MW-13, MW-15, MW-16, MW-17A, MW-18, MW-22, and PORT-MW-B. The locations of the groundwater monitoring wells that are included in the confirmational groundwater monitoring program are shown on Figure 2. Wells MW-15 and MW-22 are only sampled on an annual basis during the January events.

Prior to collecting the groundwater samples, SLR personnel measured the depths to groundwater in all of the monitoring wells at the Site by using an electronic water level meter. To collect each groundwater sample, SLR used the existing dedicated submersible bladder pumping system located in each well to purge approximately 1.25 to 2.50 gallons of water from the well. During the purging of each well, the pH, specific conductance, temperature, oxidation reduction potential (ORP), dissolved oxygen (DO), and turbidity of the extracted water were measured approximately every three minutes. A groundwater sample was collected from each of the wells following the stabilization of the field parameter measurements. The final field parameter readings prior to sample collection are presented in Table 1. The groundwater samples were collected in the appropriate sample containers provided by Apex Laboratories (Apex) of Tigard, Oregon. SLR documented the groundwater purging and sampling activities on Low-Flow Groundwater Sampling Field Data Sheets, which are presented in Appendix A.

In accordance with the CMP and the modifications to the confirmational groundwater monitoring program, all of the groundwater samples were submitted to Apex for analysis of the groundwater contaminants of concern (COCs) for the Site (benzene, toluene, ethylbenzene, total xylenes, naphthalene, and n-hexane by EPA Method 8260D; 1,2-dibromoethane [EDB] by EPA Method 8260D SIM; and GRO by Ecology Method NWTPH-Gx).

The sampling purge water is stored in properly labeled 55-gallon drums at the subject property. The water will be transported to a licensed facility for off-site treatment and disposal.

2.1 GROUNDWATER MONITORING RESULTS

On January 24, 2022, the depths to groundwater in the monitoring wells ranged from 44.71 to 107.03 feet below the top of each well casing. The groundwater elevations in the wells ranged from 309.76 to 312.64 above mean sea level (MSL). The depth to groundwater measurements and groundwater elevations in the monitoring wells on January 24, 2022, are presented in Table 2.

Based on the groundwater elevations on January 24, 2022, the general groundwater flow direction beneath the Site area was primarily to the southwest; however, there was a western component of groundwater flow in the vicinity of South 160th Street. Due to an anomalous depth to groundwater measurement, the groundwater elevation in MW-01 was not used to evaluate the groundwater flow direction. MW-01 is screened less than 3 feet below the high seasonal groundwater table and is frequently dry. The groundwater elevation in MW-10 was also not used to evaluate the groundwater flow direction because the top of the well screen was over 30 feet below the groundwater table. A groundwater elevation contour map of the data collected on January 24, 2022, is presented on Figure 3.

2.2 GROUNDWATER SAMPLE ANALYTICAL RESULTS

The groundwater sample analytical results showed that the sample from well MW-07 contained a GRO concentration (0.83 milligrams per liter [mg/L]) that exceeded the MTCA Method A cleanup level (0.80 mg/L when benzene is present). The sample from MW-07 also contained benzene, toluene, ethylbenzene, total xylenes, and naphthalene concentrations (1.95, 0.93, 3.9, 4.7, and 3.1 micrograms per liter [$\mu\text{g}/\text{L}$], respectively) greater than the method detection limits (MDLs), but below their Method A cleanup levels (5, 1,000, 700, 1,000, and 160 $\mu\text{g}/\text{L}$, respectively). The samples collected from well MW-12 (as well as the duplicate sample from MW-12), MW-15, MW-18, and MW-22 contained at least one analyte concentration above the MDLs; however, the detected concentrations were below the Method A or Method B cleanup levels. The samples collected from wells MW-09, MW-13, MW-16, MW-17A, and PORT-MW-B did not contain any analyte concentrations greater than the MDLs. EDB was not detected at or above the MDL in the groundwater samples collected from any of the wells, however, the MDLs exceeded the Method A cleanup level in the samples collected from MW-07, MW-12, and MW-16.

The January 2022 groundwater sample analytical results are presented in Table 1, and the GRO and benzene concentrations are also presented on Figure 2. The groundwater sample analytical results from the January 2022 sampling event, as well as from the previous groundwater sampling events (groundwater COCs only), are presented in data tables and on trend plots in Appendix B. The laboratory report from the January 2022 sampling event is included in Appendix C.

3. DATA QUALITY ASSURANCE AND VALIDATION

Based on the results of a data validation review, the groundwater sample analytical data were acceptable without any data qualifications, except for the benzene, toluene, n-hexane, and EDB results. Apex assigned a J qualifier to the benzene concentration in the sample from MW-15, the toluene concentration in the sample from MW-07, and the n-hexane concentration in the duplicate sample collected from MW-12. Apex assigned a R-02 qualifier to the EDB concentration in the sample from MW-07. Apex defined the J qualifier as an estimated result; detected below the lowest point of the calibration curve, but above the specified MDL. Apex defined the R-02 qualifier as a raised reporting limit to account for interferences from coeluting organic compounds present in the sample.

SLR collected an equipment blank sample for analysis, and a trip blank sample was also analyzed. The analytical results showed that the equipment blank and trip blank samples did not contain any analyte concentrations greater than the method reporting limits (MRLs), and Apex did not apply any data qualifiers to those results. The analytical results of the duplicate sample (labeled MW-32-0122) collected from well MW-12 were within an acceptable range.

4. CONCLUSIONS

On January 24 and 25, 2022, SLR conducted the first semiannual confirmational groundwater monitoring event at the SeaTac Development Site. The objectives of the confirmational groundwater monitoring program are to evaluate the potential rebound of contaminant concentrations after the deactivation of the IAS/SVE system in July 2020, and if there is minimal rebound, to demonstrate that the contaminant concentrations have been reduced to below the cleanup levels or to levels that will naturally attenuate to below the cleanup levels within a reasonable timeframe.

The groundwater sample analytical results from the January and July 2020 performance groundwater sampling events showed that the IAS/SVE system operations had reduced the petroleum hydrocarbon concentrations beneath the subject property to below the MTCA Method A cleanup levels, except for a GRO concentration (0.90 mg/L) at well MW-13 that exceeded the Method A cleanup level and a GRO concentration at well MW-07 that equaled the Method A cleanup level in July 2020 (SLR, 2020b). The groundwater sample analytical results from the four subsequent quarterly confirmational groundwater sampling events in 2020 and 2021 showed that the petroleum hydrocarbon concentrations at the Site were below the Method A cleanup levels, except for consistent GRO concentrations (up to 3.55 mg/L) above the Method A cleanup level at MW-07, and GRO concentrations above the Method A cleanup level in the January 2021 sample from MW-22 (1.74 mg/L), and in the April and July 2021 samples from MW-12 (up to 3.57 mg/L). By the first semiannual confirmational groundwater monitoring event in January 2022, the petroleum hydrocarbon concentrations at the Site were below the Method A cleanup levels, except for only a GRO concentration (0.83 mg/L) above the Method A cleanup level at MW-07.

The groundwater sample analytical results from the confirmational groundwater monitoring program indicate initial localized rebound of the GRO concentrations near the northern end of the subject property; however, natural attenuation is now reducing the GRO concentrations over time. Also, the concentrations of the higher toxicity components of gasoline (BTEX, EDB, n-hexane, and naphthalene) have been consistently below the MTCA Method A or Method B cleanup levels since the IAS/SVE system was deactivated. The confirmational groundwater monitoring results indicate that the IAS/SVE system does not need to be reactivated and the remaining concentrations should naturally attenuate to below the cleanup levels within a reasonable timeframe. Tables that show the groundwater COC concentrations over time and trend graphs that show the GRO and benzene concentrations over time are presented in Appendix B.

5. REFERENCES

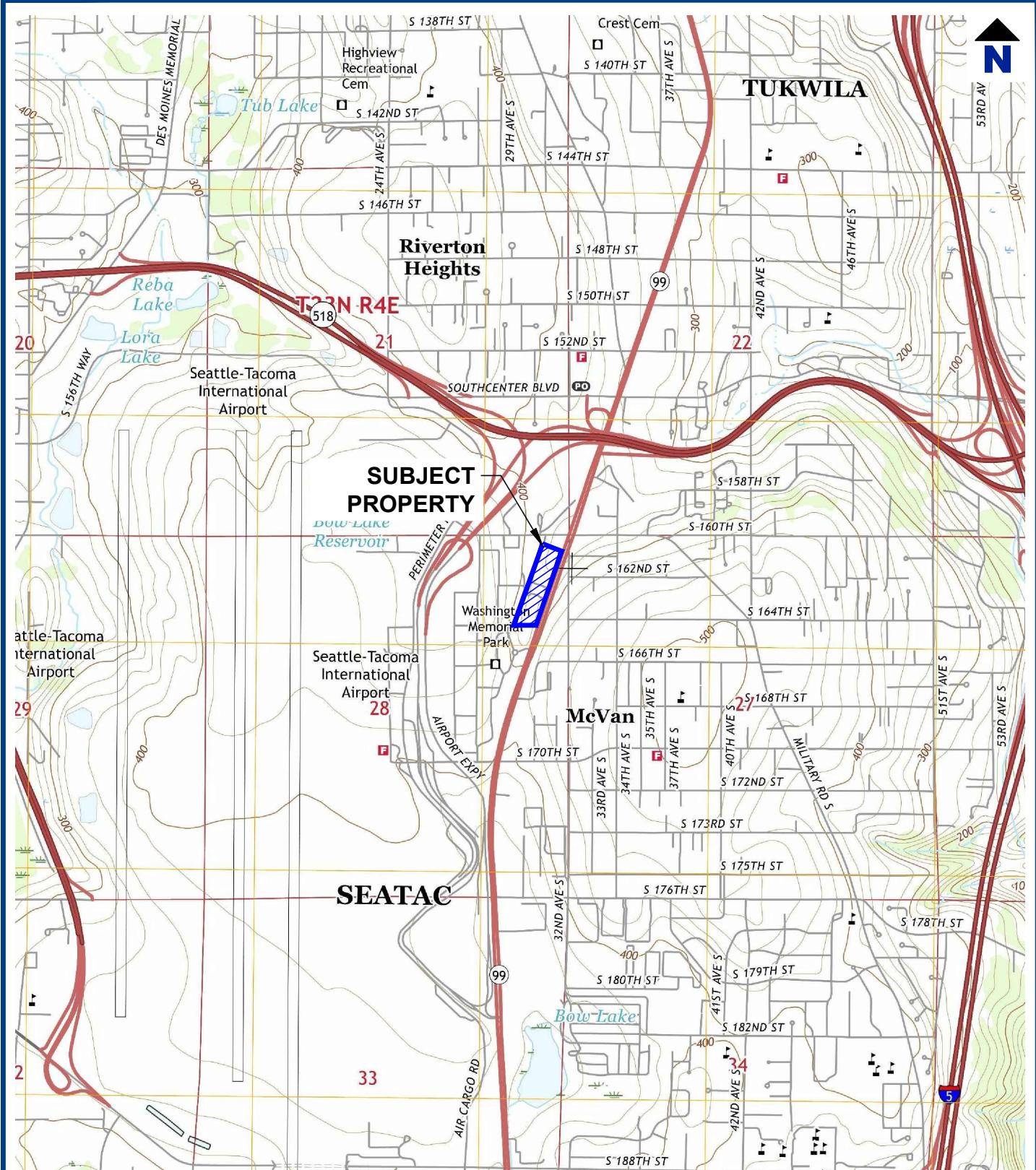
- Golder Associates, Inc. 2011. *Attachment E, Compliance Monitoring Plan, Sea-Tac Development Site, SeaTac, Washington*. November 2.
- SLR International Corporation. 2019. *Performance Groundwater Monitoring Report – July 2019 Sampling Event, SeaTac Development Site (MasterPark Lot C Property)*. October.
- SLR International Corporation. 2020a. *Performance Groundwater Monitoring Report – January 2020 Sampling Event, SeaTac Development Site (MasterPark Lot C Property)*. March.
- SLR International Corporation. 2020b. *Performance Groundwater Monitoring Report – July 2020 Sampling Event, SeaTac Development Site (MasterPark Lot C Property)*. September.
- SLR International Corporation. 2020c. *Request for Modifications to Confirmational Groundwater Monitoring Program, SeaTac Development Site (MasterPark Lot C Property), SeaTac, Washington*. September 23.
- SLR International Corporation. 2020d. *Confirmational Groundwater Monitoring Report – October 2020 Sampling Event, SeaTac Development Site (MasterPark Lot C Property)*. November.
- SLR International Corporation. 2021a. *Confirmational Groundwater Monitoring Report – January 2021 Sampling Event, SeaTac Development Site (MasterPark Lot C Property)*. February.
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- SLR International Corporation. 2021c. *Confirmational Groundwater Monitoring Report – July 2021 Sampling Event, SeaTac Development Site (MasterPark Lot C Property)*. August.
- Washington Department of Ecology. 2005. *User's Manual: Natural Attenuation Analysis Tool Package for Petroleum-Contaminated Ground Water*. July.
- Washington Department of Ecology. 2020. Letter from Jerome Cruz of Ecology to Mike Staton of SLR Re: Request for Modifications to Confirmational Groundwater Monitoring Program, SeaTac Development Site (MasterPark Lot C), SeaTac, Washington. October 13.

LIMITATIONS

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Opinions and recommendations contained in this work product are based on conditions that existed at the time the services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this work product.

FIGURES



REFERENCED FROM :
USGS 7.5 MINUTE QUADRANGLE DES MOINES, 2017

0 2000' 4000'

**SEATAC DEVELOPMENT SITE
16025 INTERNATIONAL BLVD
SEATAC, WASHINGTON**

Drawing

SUBJECT PROPERTY LOCATION MAP

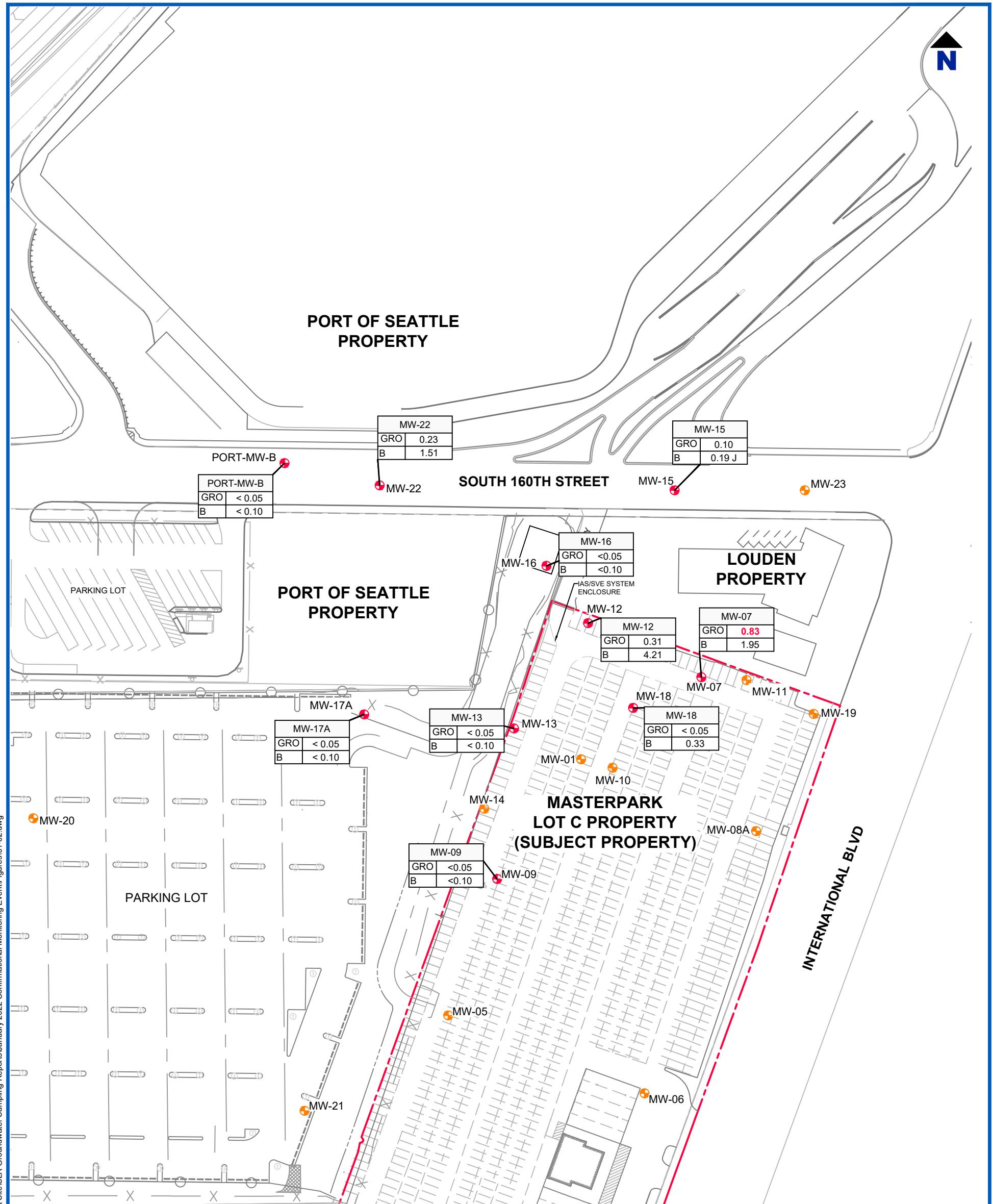
Date September 19, 2019

Scale AS SHOWN

Fig. No. 1

File Name Figure 1.dwg

Project No. 101.01839.00002



NOTES

1. BASE MAP BASED ON IAS AND SVE PIPING LAYOUT FIGURE (12/02/15) AND GROUNDWATER MONITORING LOCATIONS MAP (05/01/19) PRODUCED BY GOLDER ASSOCIATES, INC.
2. CONCENTRATIONS IN BOLD AND RED EXCEEDED THE MTCA METHOD A GROUNDWATER CLEANUP LEVEL (0.80 mg/L).
3. mg/L = MILLIGRAMS PER LITER
4. µg/L = MICROGRAMS PER LITER

0 100 200 300
SCALE IN FEET

LEGEND

- MW-14 • SITE MONITORING WELL LOCATION AND DESIGNATION - GROUNDWATER ELEVATIONS MEASURED
- MW-09 • SITE MONITORING WELL LOCATION AND DESIGNATION - CONFIRMATIONAL MONITORING WELL
- — SUBJECT PROPERTY LINE
- X — FENCE



SEATAC DEVELOPMENT SITE SEATAC, WASHINGTON

Drawing

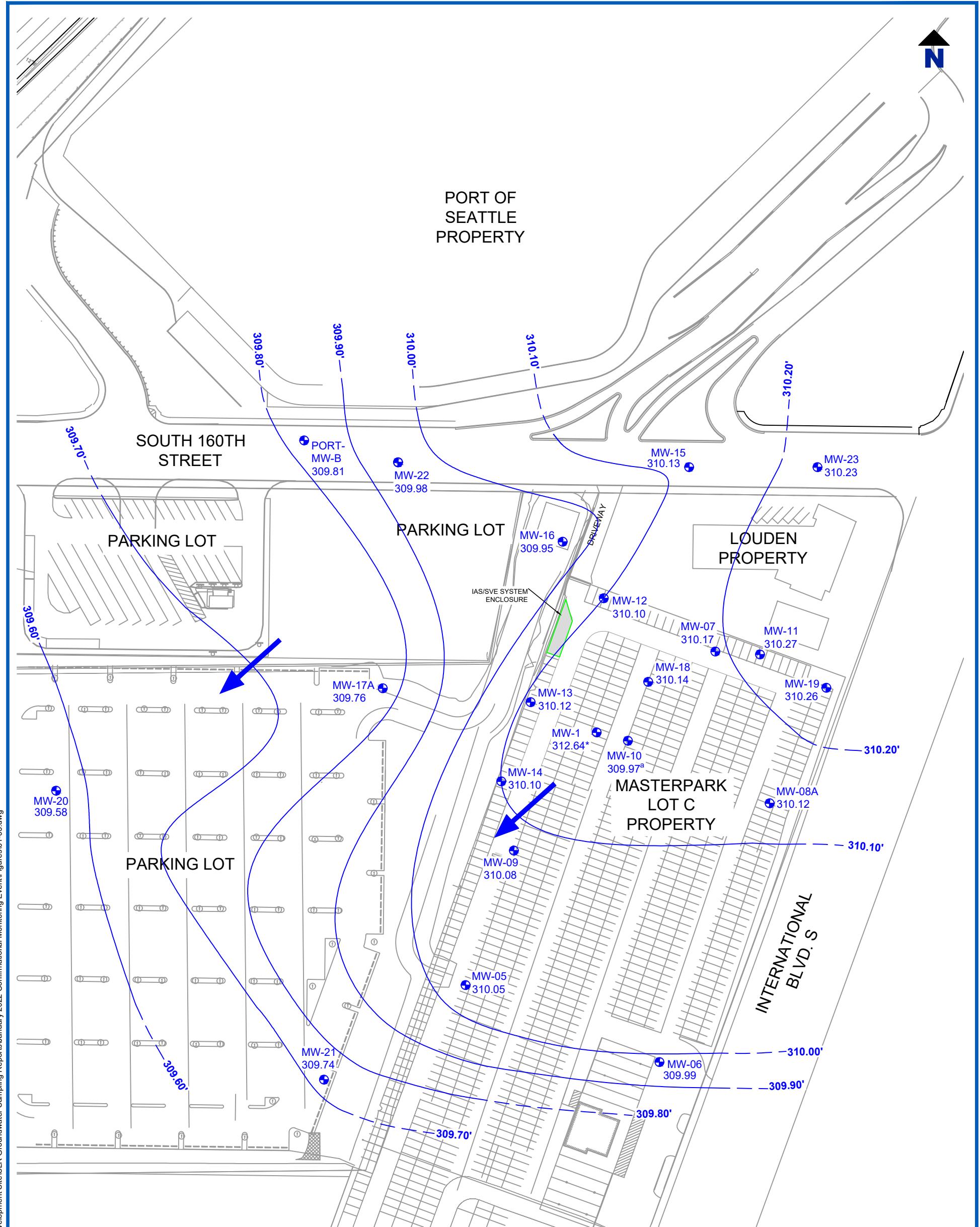
GRO AND BENZENE CONCENTRATIONS IN GROUNDWATER SAMPLES - JANUARY 2022

Date	February 11, 2022	Scale	AS SHOWN	Fig. No.
File Name	01-02	Project No.	128.02207.00002	

MW-07	
GRO	0.83
B	1.95

GASOLINE-RANGE ORGANICS
BENZENE

SAMPLE LOCATION
ANALYTICAL RESULT IN mg/L
ANALYTICAL RESULT IN µg/L



1. BASEMAP BASED ON IAS AND SVE PIPING LAYOUT FIGURE (12/02/15) AND GROUNDWATER MONITORING LOCATIONS MAP (05/01/19) PRODUCED BY GOLDER ASSOCIATES, INC.
2. * = DUE TO AN ANOMALOUS DEPTH TO GROUNDWATER MEASUREMENT, THE GROUDWATER ELEVATION WAS NOT USED FOR CONTOURING.
3. a = SINCE WELL MW-10 IS SCREENED OVER 30 FEET BELOW THE GROUNDWATER TABLE, THE GROUNDWATER ELEVATION IN MW-10 WAS NOT USED FOR CONTOURING.

LEGEND

- MW-21** SITE MONITORING WELL LOCATION AND DESIGNATION
309.74 GROUNDWATER SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL) ON JANUARY 24, 2022
- 309.70'** GROUNDWATER SURFACE ELEVATION CONTOUR LINE (FEET ABOVE MEAN SEA LEVEL)
- GENERAL GROUNDWATER FLOW DIRECTION

**SEATAC DEVELOPMENT SITE
SEATAC, WASHINGTON**

Drawing
**GROUNDWATER ELEVATION CONTOUR MAP -
JANUARY 24, 2022**

Date	February 14, 2022	Scale	AS SHOWN	Fig. No.
File Name	01-03	Project No.	128.02207.00002	3

TABLES

Table 1
Groundwater Field Parameters and Sample Analytical Results for Groundwater COCs
January 2022 Sampling Event
SeaTac Development Site
SeaTac, Washington

Well ID	Date Sampled	Field Parameters							Analytical Data											
		Depth to Groundwater (feet)	pH	Temperature (°C)	Specific Conductance (μmhos/cm)	Dissolved Oxygen (mg/L)	Oxidation- Reduction Potential (mV)	Turbidity (NTU)	GRO ^e (mg/L)	Benzene ^b (µg/L)	Toluene ^b (µg/L)	Ethylbenzene ^b (µg/L)	Total Xylenes ^b (µg/L)	EDB ^c (µg/L)	N-hexane ^b (µg/L)	Naphthalene ^b (µg/L)	DRO ^d (mg/L)	ORO ^d (mg/L)	DRO ^d after Silica Gel Cleanup (mg/L)	ORO ^d after Silica Gel Cleanup (mg/L)
MTCA Method A Groundwater Cleanup Levels ^g								0.8 ^f /1.0 ^g	5.0	1,000	700	1,000	0.01	480 ^h	160	0.5	0.5	0.5	0.5	0.5
MW-07	01/24/22	48.52	6.55	14.7	247	0.67	102.8	45.2	0.83	1.95	0.93 J	3.9	4.7	<0.046 ⁱ	<2.50	3.1	NA	NA	NA	NA
MW-09	01/25/22	52.05	7.07	12.5	285	4.23	177.4	6.51	<0.05	<0.10	<0.50	<0.25	<0.75	<0.010	<2.50	<1.0	NA	NA	NA	NA
MW-12	01/24/22	54.73	7.20	14.4	819	0.20	107.2	4.75	0.31	4.21	1.7	11.6	28.3	<0.020 ⁱ	<2.50	3.2	NA	NA	NA	NA
MW-12 Duplicate ^j	01/24/22	-	-	-	-	-	-	-	0.36	4.29	1.7	12.1	29.4	<0.020 ⁱ	1.28 J	3.5	NA	NA	NA	NA
MW-13	01/25/22	55.30	6.60	13.5	271	2.91	150.2	0.51	<0.05	<0.10	<0.50	<0.25	<0.75	<0.010	<2.50	<1.0	NA	NA	NA	NA
MW-15	01/24/22	54.54	6.64	13.7	542	0.72	130.7	3.52	0.10	0.19 J	<0.50	<0.25	<0.75	<0.010	<2.50	<1.0	NA	NA	NA	NA
MW-16	01/24/22	67.68	6.88	12.7	147	1.30	154.1	0.81	<0.05	<0.10	<0.50	<0.25	<0.75	<0.020 ⁱ	<2.50	<1.0	NA	NA	NA	NA
MW-17A	01/24/22	84.68	6.70	12.4	220	1.50	158.6	12.9	<0.05	<0.10	<0.50	<0.25	<0.75	<0.010	<2.50	<1.0	NA	NA	NA	NA
MW-18	01/25/22	50.31	7.01	14.7	622	0.40	155.0	0.29	<0.05	0.33	<0.50	<0.25	<0.75	<0.010	<2.50	<1.0	NA	NA	NA	NA
MW-22	01/24/22	83.33	7.70	13.0	252	0.54	108.5	0.84	0.23	1.51	<0.50	1.1	<0.75	<0.010	<1.0	13.2	NA	NA	NA	NA
PORT-MW-B	01/24/22	90.02	7.00	12.7	224	2.71	153.5	0.64	<0.05	<0.10	<0.50	<0.25	<0.75	<0.010	<1.0	<1.0	NA	NA	NA	NA

Notes:

Values in bold and red exceed MTCA Method A or B Cleanup Levels.

mg/L = Milligrams per liter

µg/L = Micrograms per liter

µmhos/cm = Micromhos per centimeter

NTU = Nephelometric turbidity unit

°C = Degrees Celsius

J = Laboratory estimated value

COCs = Contaminants of concern

GRO = Gasoline-range organics

DRO = Diesel-range organics

ORO = Oil-range organics

EDB = 1,2-dibromoethane

NA = Not analyzed

mV = Millivolts

^a Analyzed by Ecology Method NWTPH-Gx.

^b Analyzed by EPA Method 8260C.

^c Analyzed by EPA Method 8260C SIM.

^d Analyzed by Ecology Method NWTPH-Dx.

^e Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^f When benzene is present.

^g When benzene is not present.

^h Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecology's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

ⁱ The analyte was not detected at or above the method detection limit (MDL); however, the MDL exceeded the cleanup level.

^j Duplicate sample named MW-32-0122 and was collected from MW-12

Table 2
Groundwater Monitoring Data - January 24, 2022
SeaTac Development Site
SeaTac, Washington

Well Number	Top of Casing Elevation ^a (feet)	Approximate Depth of Well Screen (feet bgs)	Date Measured	Depth to Groundwater (feet)	Groundwater Elevation (feet)
MW-01	361.38	41 to 51	01/24/22	48.74	312.64
MW-05	364.26	48 to 58	01/24/22	54.21	310.05
MW-06	369.68	50 to 60	01/24/22	59.69	309.99
MW-07	358.69	43.5 to 53.5	01/24/22	48.52	310.17
MW-08A	359.16	44 to 54	01/24/22	49.04	310.12
MW-09	362.13	47.5 to 57	01/24/22	52.05	310.08
MW-10	360.18	80 to 90	01/24/22	50.21	309.97
MW-11	357.53	42 to 57	01/24/22	47.26	310.27
MW-12	364.83	52 to 67	01/24/22	54.73	310.10
MW-13	365.42	50 to 65	01/24/22	55.30	310.12
MW-14	363.76	50 to 65	01/24/22	53.66	310.10
MW-15	364.67	50 to 65	01/24/22	54.54	310.13
MW-16	377.63	64 to 74	01/24/22	67.68	309.95
MW-17A	394.44	80 to 95	01/24/22	84.68	309.76
MW-18	360.45	47 to 62	01/24/22	50.31	310.14
MW-19	356.61	43 to 58	01/24/22	46.35	310.26
MW-20	416.61	103 to 113	01/24/22	107.03	309.58
MW-21	412.85	95 to 110	01/24/22	103.11	309.74
MW-22	393.31	80 to 95	01/24/22	83.33	309.98
MW-23	354.94	42.5 to 57.5	01/24/22	44.71	310.23
POR-T-MW-B	399.83	79 to 99	01/24/22	90.02	309.81

Notes:
NM = Not measured.
^a The top of well casing elevations were surveyed relative to mean seal level.

APPENDIX A

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEETS

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET



LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

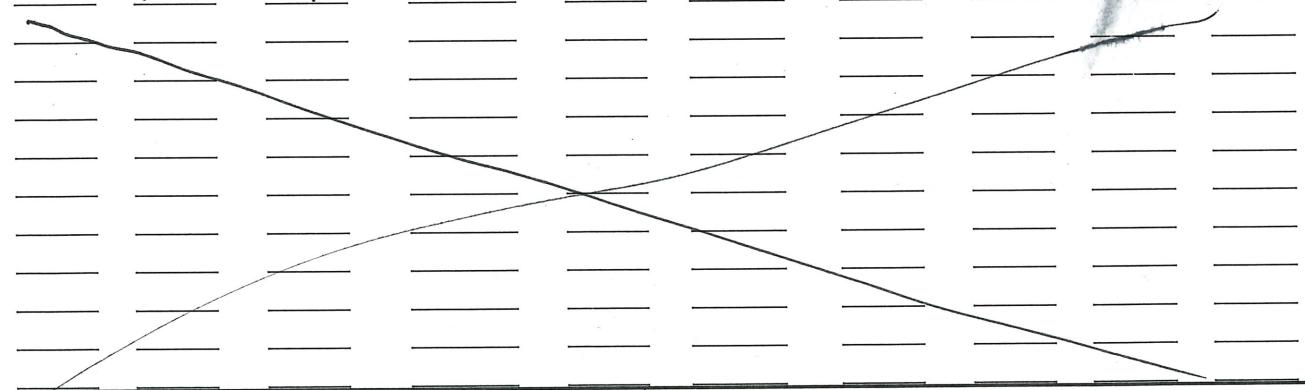
LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

Project No.	128.02207.00003	Purged By:	SML	Well I.D.:	MW-12			
Project Name:	SeaTac Development Site	Sampled By:	SML	Sample I.D.:	MW-12-0122			
Location:	16025 International Boulevard, SeaTac, Washington				QA Samples: MW-32-0122 @ 1353			
Date Purged:	1/24/22	Start (2400hr):	1318	End (2400hr):	1348			
Date Sampled:	1/24/22	Sample Time (2400hr):	1348					
Casing Diameter:	2" <input checked="" type="checkbox"/>	3" <input type="checkbox"/>	4" <input type="checkbox"/>	5" <input type="checkbox"/>	6" <input type="checkbox"/>	8" <input type="checkbox"/>	Other <input type="checkbox"/>	
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	()	
Total depth (feet) =					Tubing Volume (gal) =			
Depth to water (feet) =					Minimum Purge (gal) =			
Water column height (feet) =					Actual Purge (gal) =			
FIELD MEASUREMENTS								
Volume (Gal)	Time (2400hr)	Temp. (degrees C)	Conductivity (mS/cm)	TDS (g/L)	DO (mg/L)	pH (units)	ORP (mV)	Turbidity (Visual)
0	1318	14.0	0.2891	-	5.44	6.90	166.4	6.94
0.25	1321	14.4	0.3435	-	0.55	7.22	166.3	31.1
0.5	1324	14.4	0.4794	-	0.39	7.20	159.1	8.37
0.75	1327	14.4	0.531	-	0.32	7.22	152.5	5.72
1.0	1330	14.4	0.574	-	0.29	7.22	145.0	4.09
1.25	1333	14.3	0.621	-	0.25	7.21	135.7	4.54
1.5	1336	14.3	0.689	-	0.23	7.19	129.0	9.53
1.75	1339	14.4	0.745	-	0.22	7.17	120.3	5.63
2.0	1342	14.4	0.809	-	0.21	7.16	113.3	5.71
2.25	1345	14.4	0.816	-	.21	7.19	109.2	5.37
2.50	1348	14.4	.819	-	.20	7.20	107.2	4.75
(NTU)								
Color (Visual)								
clear								
PURGING & SAMPLING EQUIPMENT								
<input checked="" type="checkbox"/> Well Wizard Bladder Pump	<input type="checkbox"/> Bailer (disposable)				<input type="checkbox"/> mL HDPE w/ H ₂ SO ₄			
<input type="checkbox"/> Active Extraction Well Pump	<input type="checkbox"/> Bailer (PVC)				<input type="checkbox"/> mL HDPE w/ HCl			
<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)				<input type="checkbox"/> mL amber glass			
<input type="checkbox"/> Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated <i>forney</i>				<input type="checkbox"/> mL amber glass w/ HCl			
Other:					<input type="checkbox"/> mL HDPE			
Pump Intake Depth:	57.95 (feet)				<input type="checkbox"/> mL HDPE w/ HNO ₃			
Well Integrity:	<i>Good</i>				Odor: <i>No</i>			
Remarks:	<i>N/A</i>							
Signature:	<i>Stu</i> <i>EM</i>				Page 1 of 1			

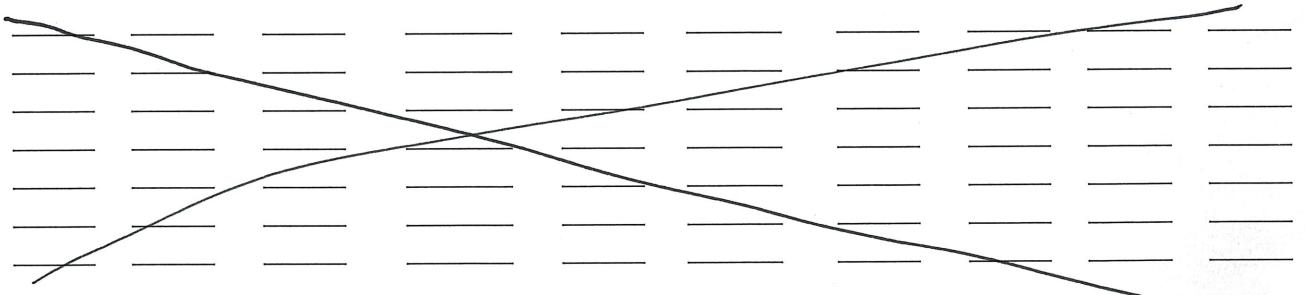
LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

Project No.	28.02207.00003	Purged By:	SLO	Well I.D.:	MW-13				
Project Name:	SeaTac Development Site	Sampled By:	SLO	Sample I.D.:	MW-13-0122				
Location:	16025 International Boulevard, SeaTac, Washington				QA Samples:				
Date Purged:	1-25-22	Start (2400hr):	912	End (2400hr):	930				
Date Sampled:	1-25-22	Sample Time (2400hr):	930						
Casing Diameter:	2" <input checked="" type="checkbox"/>	3" <input type="checkbox"/>	4" <input type="checkbox"/>	5" <input type="checkbox"/>	6" <input type="checkbox"/>	8" <input type="checkbox"/>	Other <input type="checkbox"/>		
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	()		
Total depth (feet) =	65.40	Tubing Volume (gal) =							
Depth to water (feet) =	55.30	Minimum Purge (gal) =							
Water column height (feet) =									
FIELD MEASUREMENTS									
Volume (Gal)	Time (2400hr)	Temp. (degrees C)	Conductivity (mS/cm)	TDS (g/L)	DO (mg/L)	pH (units)	ORP (mV)	Turbidity (Visual)	Color (Visual)
0	912	12.8	.2234	-	7.63	8.59	14.6	NTU	clear
0.25	915	13.6	.2682	-	3.50	7.50	77.5	5.27	clear
0.50	918	13.5	.2711	-	3.14	6.92	111.4	2.51	clear
0.75	921	13.5	.2714	-	3.02	6.73	124.5	0.70	clear
1.0	924	13.5	.2717	-	2.93	6.63	134.8	1.40	clear
1.25	927	13.5	.2719	-	2.94	6.61	147.1	0.98	clear
1.50	930	13.5	.2713	-	2.91	6.60	150.2	0.51	clear
PURGING & SAMPLING EQUIPMENT					SAMPLE VESSELS				
<input checked="" type="checkbox"/> Well Wizard Bladder Pump	Bailer (disposable)				40mL VOA				mL HDPE w/ H ₂ SO ₄
<input type="checkbox"/> Active Extraction Well Pump	Bailer (PVC)				5 40mL VOA w/ HCl				
<input type="checkbox"/> Submersible Pump	Bailer (Stainless Steel)				mL amber glass				
<input type="checkbox"/> Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated Vessel				mL amber glass w/ HCl				
Other: _____					mL HDPE				
Pump Intake Depth: 58.5 (feet)					mL HDPE w/ HNO ₃				
Well Integrity: good					Odor: none				
Remarks: _____									
Signature: 									Page 1 of 1

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

Project No.: <u>128.02207.00003</u>	Purged By: <u>SML</u>	Well I.D.: <u>MW-15</u>							
Project Name: <u>SeaTac Development Site</u>	Sampled By: <u>SML</u>	Sample I.D.: <u>MW-15 - 0122</u>							
Location: <u>16025 International Boulevard, SeaTac, Washington</u>	QA Samples:	<u>8</u>							
Date Purged: <u>1/24/22</u>	Start (2400hr): <u>1029</u>	End (2400hr): <u>1044</u>							
Date Sampled: <u>1/24/22</u>	Sample Time (2400hr): <u>1044</u>								
Casing Diameter: <u>2"</u> X	<u>3"</u>	<u>4"</u>	<u>5"</u>	<u>6"</u>	<u>8"</u>	Other _____			
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)			
Total depth (feet) = <u>63.88</u>	Tubing Volume (gal) = _____								
Depth to water (feet) = <u>54.54</u>	Minimum Purge (gal) = _____								
Water column height (feet) = _____	Actual Purge (gal) = _____								
FIELD MEASUREMENTS									
Volume (Gal)	Time (2400hr)	Temp. (degrees C)	Conductivity (mS/cm)	TDS (g/L)	DO (mg/L)	pH (units)	ORP (mV)	Turbidity (Visual)	Color (Visual)
<u>0</u>	<u>1029</u>	<u>11.8</u>	<u>0.4320</u>	<u>—</u>	<u>4.00</u>	<u>7.22</u>	<u>137.8</u>	<u>8.41</u>	<u>clear</u>
<u>0.25</u>	<u>1032</u>	<u>13.6</u>	<u>0.521</u>	<u>—</u>	<u>1.30</u>	<u>6.81</u>	<u>142.8</u>	<u>32.3</u>	<u>clear</u>
<u>0.5</u>	<u>1035</u>	<u>13.7</u>	<u>0.549</u>	<u>—</u>	<u>0.85</u>	<u>6.68</u>	<u>139.5</u>	<u>33.8</u>	<u>clear</u>
<u>0.75</u>	<u>1038</u>	<u>13.6</u>	<u>0.546</u>	<u>—</u>	<u>.70</u>	<u>6.64</u>	<u>135.8</u>	<u>9.63</u>	<u>clear</u>
<u>1.0</u>	<u>1041</u>	<u>13.7</u>	<u>0.545</u>	<u>—</u>	<u>.70</u>	<u>6.64</u>	<u>133.3</u>	<u>4.91</u>	<u>clear</u>
<u>1.25</u>	<u>1044</u>	<u>13.7</u>	<u>0.542</u>	<u>—</u>	<u>0.72</u>	<u>6.64</u>	<u>130.7</u>	<u>3.52</u>	<u>clear</u>
									
PURGING & SAMPLING EQUIPMENT					SAMPLE VESSELS				
<input checked="" type="checkbox"/> Well Wizard Bladder Pump	<u>Bailer (disposable)</u>				40mL VOA				<u>mL HDPE w/ H2SO4</u>
<u>Active Extraction Well Pump</u>	<u>Bailer (PVC)</u>				40mL VOA w/ HCl				<u>mL HDPE</u>
<u>Submersible Pump</u>	<u>Bailer (Stainless Steel)</u>				<u>mL amber glass</u>				<u>mL HDPE</u>
<u>Peristaltic Pump</u>	<input checked="" type="checkbox"/> Dedicated <u>tubing</u>				<u>mL amber glass w/ HCl</u>				<u>mL HDPE w/ HNO3</u>
Other: _____									
Pump Intake Depth: <u>58.45</u> (feet)									
Well Integrity: <u>Good</u>					Odor: <u>No</u>				
Remarks: <u>N/A</u>									
Signature: <u>Attn</u> <u>Colle</u>									Page 1 of <u>1</u>

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

Project No.	28.02207.00003	Purged By:	SML	Well I.D.:	MW-17A				
Project Name:	SeaTac Development Site	Sampled By:	SML	Sample I.D.:	MW-17A-0122				
Location:	16025 International Boulevard, SeaTac, Washington			QA Samples:	✓				
Date Purged:	1/24/22	Start (2400hr):	1204	End (2400hr):	1225				
Date Sampled:	1/24/22	Sample Time (2400hr):	1225						
Casing Diameter:	2" X	3"	4"	5"	6"	8"	Other _____		
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	()		
Total depth (feet) =	94.77	Tubing Volume (gal) =							
Depth to water (feet) =	90.02	Minimum Purge (gal) =							
Water column height (feet) =	Actual Purge (gal) =								
FIELD MEASUREMENTS									
Volume (Gal)	Time (2400hr)	Temp. (degrees C)	Conductivity (mS/cm)	TDS (g/L)	DO (mg/L)	pH (units)	ORP (mV)	Turbidity (Visual) (nru)	Color (Visual)
0	1204	12.7	0.1756	-	7.40	6.98	175.8	8.13	clear
0.25	1207	12.4	0.2080	-	4.12	6.94	173.8	29.6	clear
0.5	1210	12.4	0.2155	-	2.31	6.88	169.5	39.2	clear
0.75	1213	12.4	0.2165	-	1.68	6.83	167.5	34.5	clear
1.0	1216	12.4	0.2171	-	1.61	6.76	164.5	26.4	clear
1.25	1219	12.2	0.2183	-	1.69	6.75	162.9	28.0	clear
1.5	1222	12.4	0.2178	-	1.67	6.72	161.0	16.0	clear
1.75	1225	12.4	0.2204	-	1.50	6.70	158.6	12.9	clear
									
PURGING & SAMPLING EQUIPMENT					SAMPLE VESSELS				
<input checked="" type="checkbox"/> Well Wizard Bladder Pump	<input type="checkbox"/> Bailer (disposable)				40mL VOA				<input type="checkbox"/> mL HDPE w/ H ₂ SO ₄
<input type="checkbox"/> Active Extraction Well Pump	<input type="checkbox"/> Bailer (PVC)				5 40mL VOA w/ HCl				<input type="checkbox"/>
<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)				<input type="checkbox"/> mL amber glass				<input type="checkbox"/>
<input type="checkbox"/> Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated tubing				<input type="checkbox"/> mL amber glass w/ HCl				<input type="checkbox"/>
Other: _____					<input type="checkbox"/> mL HDPE				<input type="checkbox"/>
Pump Intake Depth: 98.30 (feet) 89.30					<input type="checkbox"/> mL HDPE w/ HNO ₃				<input type="checkbox"/>
Well Integrity: Good					Odor: No				<input type="checkbox"/>
Remarks: NA									<input type="checkbox"/>
Signature: 									Page 1 of _1_

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

Project No. 128.02207.00003
Project Name: SeaTac Development Site

Purged By: SML
Sampled By: SML

Well I.D.: MW-ZZ
Sample I.D.: MW-ZZ-01ZZ

Location: 16025 International Boulevard, SeaTac, Washington QA Samples: ✓

Date Purged: 1/24/22 Start (2400hr): 0950 End (2400hr): 1008
Date Sampled: 1/24/22 Sample Time (2400hr): 1008

Casing Diameter: 2" X 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

Total depth (feet) = 88.74 Tubing Volume (gal) = _____
Depth to water (feet) = 83.33 Minimum Purge (gal) = _____
Water column height (feet) = Actual Purge (gal) = _____

FIELD MEASUREMENTS

Volume (Gal)	Time (2400hr)	Temp. (degrees C)	Conductivity (mS/cm)	TDS (g/L)	DO (mg/L)	pH (units)	ORP (mV)	Turbidity (Visual)	Color (Visual)
0	0950	13.0	0.2281	-	9.07	9.36	49.9	2.12	clear
0.25	0953	13.2	0.2337	-	2.24	8.34	98.4	2.47	clear
0.5	0956	13.0	0.2362	-	1.08	7.85	14.7	0.93	clear
0.75	0959	13.0	0.2432	-	.83	7.10	118.1	1.21	clear
1.0	1002	13.0	0.2503	-	.65	7.11	114.6	.84	clear
1.25	1005	13.0	0.2507	-	0.57	7.71	111.7	0.87	clear
1.50	1008	13.0	0.2516	-	0.54	7.70	108.5	0.84	clear

PURGING & SAMPLING EQUIPMENT

- Well Wizard Bladder Pump Bailer (disposable)
 Active Extraction Well Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____

Other: _____

Pump Intake Depth: 46.56 (feet)

Well Integrity: Good

Remarks: *N/A*

SAMPLE VESSELS

- 40mL VOA mL HDPE w/ H₂SO₄
5 40mL VOA w/ HCl _____
 mL amber glass _____
 mL amber glass w/ HCl _____
 mL HDPE _____
 mL HDPE w/ HNO₃ _____

Well Integrity: Good

Odor: No

Remarks: *N/A*

25-1-1881

Signature:

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Report 45

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GW Sample Data Sheet - Low Flow.docx

SLR International Corp

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

Project No.	128.02207.00003	Purged By:	SML	Well I.D.:	PORT-MW-B			
Project Name:	SeaTac Development Site	Sampled By:	SML	Sample I.D.:	PORT-MW-B-0122			
Location:	16025 International Boulevard, SeaTac, Washington	QA Samples:	-					
Date Purged:	1/24/21	Start (2400hr):	1130	End (2400hr):	1148			
Date Sampled:	1/24/21	Sample Time (2400hr):	1148					
Casing Diameter:	2" X	3"	4"	5"	6"	8"	Other	
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	()	
Total depth (feet) =	99.15	Tubing Volume (gal) =						
Depth to water (feet) =	90.02	Minimum Purge (gal) =						
Water column height (feet) =	Actual Purge (gal) =							
FIELD MEASUREMENTS								
Volume (Gal)	Time (2400hr)	Temp. (degrees C)	Conductivity (mS/cm)	TDS (g/L)	DO (mg/L)	pH (units)	ORP (mV)	Turbidity (Visual)
10000	1130	11.8	0.2069	-	6.66	7.19	157.7	0.85
0.25	1133	12.9	0.2023	-	6.49	6.90	165.4	0.79
0.5	1136	12.1	0.186	-	5.52	6.99	158.1	1.39
0.75	1139	12.7	0.2246	-	3.25	7.03	155.3	1.71
1.0	1142	12.7	0.2242	-	2.85	7.01	153.8	1.28
1.25	1145	12.7	0.2234	-	2.62	7.00	153.2	0.91
1.50	1148	12.7	0.2236	-	2.71	7.00	153.5	0.64
<i>(Enter)</i>								
PURGING & SAMPLING EQUIPMENT								
<input checked="" type="checkbox"/> Well Wizard Bladder Pump	<input type="checkbox"/> Bailer (disposable)		40mL VOA					
<input type="checkbox"/> Active Extraction Well Pump	<input type="checkbox"/> Bailer (PVC)		50mL VOA w/ HCl					
<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)		mL amber glass					
<input type="checkbox"/> Peristaltic Pump	<input checked="" type="checkbox"/> Dedicated tubing		mL amber glass w/ HCl					
Other:			mL HDPE					
Pump Intake Depth:	93.72 (feet)		mL HDPE w/ HNO3					
Well Integrity:	Good		Odor: No					
Remarks:	N/A							
Signature:								

APPENDIX B

DATA TABLES AND TREND GRAPHS

Table B-1
Summary of Groundwater Sampling Results - Well MW-07
SeaTac Development Site
SeaTac, Washington

Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Field Parameters						Analytical Data										
				pH	Temperature (°C)	Conductivity (μmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	GRO (mg/L)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)	EDB (μg/L)	Nhexane (μg/L)	Naphthalene (μg/L)	DRO (mg/L)	ORO (mg/L)	DRO after Silica Gel Cleanup (mg/L)	ORO after Silica Gel Cleanup (mg/L)
				MTCA Method A Groundwater Cleanup Levels ^a						0.8 ^b /1.0 ^c	5.0	1,000	700	1,000	0.01	480 ^d	160	0.5	0.5	0.5
11/01/07	358.70	54.19	304.51	NM	NM	NM	NM	NM	10.0	18.0	16.0	350	418	NA	NA	NA	0.44	NA	NA	NA
05/19/09	358.70	54.76	303.94	6.34	15.20	552.00	1.58	> 1,000	7.80	9.90	3.40	200.00	73.70	NA	NA	NA	NA	NA	NA	NA
12/07/09	358.70	55.05	303.65	6.61	13.60	484.00	0.26	NM	5.90	21.00	<4.0	420.00	49.30	<0.0096	6.30	150.00	NA	NA	NA	NA
03/16/10	358.70	54.83	303.87	6.44	12.90	565.00	0.18	21.00	5.40	17.00	2.00	310.00	59.20	<0.0096	28.00	120.00	NA	NA	NA	NA
11/08/18	358.70	52.40	306.30	7.18	14.00	290.00	2.49	NM	0.82	0.48	0.19 J	1.80	0.24 J	NA	NA	NA	1.00	<0.20	NA	NA
01/05/01	358.70	NM	NM	NM	NM	NM	NM	NM	80	470	7,700	2,000	11,200	NA	NA	NA	< 0.25	< 0.50	NA	NA
08/16/07	358.70	NM	NM	NM	NM	NM	NM	NM	68	500	3,200	1,600	8,690	NA	NA	NA	NA	NA	NA	NA
12/07/09	358.70	49.02	309.68	6.89	10.90	347	2.83	NM	46	520	5,600	1,300	6,800	0.03	220	420	NA	NA	NA	NA
03/18/10	358.70	48.69	310.01	6.61	13.30	354	1.41	5.18	26	230	1,100	360	4,630	0.01	160	210	NS	NS	NA	NA
02/13/14	358.69	47.72	310.97	6.56	14.3	131	0.35	3.87	29	25	110	180	2,022	< 3.8 ^e	190	220	11 J	< 0.20	NA	NA
05/29/14	358.69	47.65	311.04	6.65	16.4	379	0.13	2.84	27	14	80	190	1,811	< 1.5 ^e	140	210 B	11 J	< 0.20	NA	NA
09/11/14	358.69	47.95	310.74	6.73	16.5	373	0.35	2.28	36	17	81	260	2,110	< 0.028 ^d	280	300 B J	11	0.41 J	NA	NA
12/04/14	358.69	47.95	310.74	6.70	15.7	333	0.20	2.95	26	21	66	200	1,507	< 0.07 ^e	170	180	11 J	0.32 J	NA	NA
06/18/15	358.69	48.01	310.68	6.64	16.1	371	0.25	1.57	15 J	6.4	28 J	110 J	533 J	< 0.07 ^e	93 J	96 J	5.4	0.24 J	NA	NA
12/03/15	358.69	49.96	308.73	6.44	15.9	526	0.14	2.91	23	77	1,200	270	1,550	< 1.5 ^e	160	69	4.9 J	< 0.20	NA	NA
05/04/16	358.69	49.05	309.64	6.68	16.0	640	1.02	4.57	12	30	500	170	970	< 0.20 ^e	150	68 J	6.5 J	0.30 J	NA	NA
11/16/16	358.69	48.50	310.19	6.54	15.9	411	1.39	3.95	8.3	4.3	9.5	40	85	< 0.20 ^e	11 J	37	2.4	< 0.20	NA	NA
05/03/17	358.69	48.13	310.56	6.38	16.2	188	1.33	3.78	2.9	1.8	0.46	14	21	< 0.20 ^e	1.9	32	1.4	0.20	NA	NA
11/14/17	358.69	47.15	311.54	6.39	15.1	278	0.98	NM	2.2	0.70	0.42	1.1	5.9	< 0.20 ^e	0.3	11	1.6	0.44	NA	NA
01/18/18	358.69	46.75	311.94	6.21	14.7	270	0.23	2.15	1.9	1.0	0.67	2.04 J	7.3 J	< 0.20 ^e	0.5	10	1.5	< 0.20	NA	NA
03/09/18	358.69	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/16/18	358.69	46.10	312.59	6.15	15.2	248	0.25	2.25	1.8	0.41	0.35	1	3	< 0.01	< 0.20	6.1	0.78	< 0.20	NA	NA
11/08/18	358.69	46.32	312.37	6.67	14.7	220	0.29	1.60	1.4	0.73	0.29	0.78	1.6	< 0.01	0.42	4.0	0.74	< 0.20	NA	NA
07/26/19	358.69	46.74	311.95	6.45	17.4	281	0.43	NM	0.73	0.30	0.27	0.75	1.13	< 0.003	0.29	1.6	0.17	< 0.20	< 0.10	< 0.20
01/29/20	358.69	48.12	310.57	6.72	14.6	201	0.86	NM	0.75	0.39	8.1	2.3	11.0	< 0.02 ^e	6.97	5.1	NA	NA	< 0.081	< 0.16
07/22/20	358.69	48.43	310.26	6.03	16.1	139	0.29	NM	0.80	< 0.20	< 1.0	2.2	11.9	< 0.01	< 2.0	2.9	NA	NA	NA	NA
10/19/20	358.69	48.79	309.90	6.32	15.6	205	1.73	6.59	1.74	0.84	2.5	9.7	14.6	< 0.02 ^e	< 0.20	5.8	NA	NA	NA	NA
01/18/21	358.69	49.03	309.66	6.32	14.1	266	1.40	2.73	3.55	2.66	33.0	41.0	200.0	< 0.5 ^e	19.40	16.2	NA	NA	NA	NA
04/26/21	358.69	48.65	310.04	6.60	15.9	277	0.59	4.54	1.63	3.77	3.2	14.0	26.0	< 0.01	5.28 J	7.8	NA	NA	NA	NA
07/26/21	358.69	48.78	309.91	6.53	16.1	237	0.26	2.66	2.35	3.17	7.4	23.4	77.0	< 0.04 ^e	8.43	14.4	NA	NA	NA	NA
01/24/22	358.69	48.52	310.17	6.55	14.7	247	0.67	45.2	0.83	1.95	0.93 J	3.9	4.7	< 0.046 ^e	< 2.50	3.1	NA	NA	NA	NA

Notes:

Values in bold and red exceed MTCA Method A Cleanup Levels.

NS = Not sampled

NM = Not measured

NA = Not analyzed

mg/L = Milligrams per liter

μg/L = Micrograms per liter

NTU = Nephelometric turbidity unit

μmhos/cm = Micromhos per centimeter

*C = Degrees Celsius

J = Laboratory estimated value

DRO = Diesel-range organics

ORO = Oil-range organics

GRO = Gasoline-range organics

EDB = 1,2-dibromoethane

^a Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^b When benzene is present.

^c When benzene is not present.

^d Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecology's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

^e The analyte was not detected at or above the method detection limit (MDL); however, the MDL exceeded the cleanup level.

Table B-2
Summary of Groundwater Sampling Results - Well MW-09
SeaTac Development Site
SeaTac, Washington

Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Field Parameters					Analytical Data											
				pH	Temperature (°C)	Conductivity (umhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	GRO (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	N-Hexane (µg/L)	Naphthalene (µg/L)	DRO (mg/L)	ORO (mg/L)	DRO after Silica Gel Cleanup (mg/L)	ORO after Silica Gel Cleanup (mg/L)
				MTCA Method A Groundwater Cleanup Levels ^a					0.8 ^b /1.0 ^c	5.0	1,000	700	1,000	0.01	480 ^d	160	0.5	0.5	0.5	0.5
01/05/01	362.14	NM	NM	NM	NM	NM	NM	NM	90	1,900	1,200	1,800	9,700	NA	NA	NA	< 0.25	< 0.50	NA	NA
08/16/07	362.14	NM	NM	NM	NM	NM	NM	NM	34	280	230	750	3,270	NA	NA	NA	NA	NA	NA	NA
05/19/09	362.14	52.25	309.89	6.17	15.6	290	1.86	2.86	37	240	220	810	2,910	NA	NA	NA	NA	NA	NA	NA
12/07/09	362.14	52.67	309.47	6.52	10.7	306	0.43	NM	19	190	33	730	1,927	0.01	83	260	NA	NA	NA	NA
03/19/10	362.14	52.30	309.84	6.19	14.2	294	0.13	7.18	16	170	65	400	1,434	0.016	100	160	NS	NS	NA	NA
02/12/14	362.13	51.45	310.68	6.49	12.6	99.5	0.28	3.10	7.5	30	8.1	150	98	< 0.08 ^e	16	120	1.6 J	< 0.20	NA	NA
05/29/14	362.13	51.41	310.72	6.44	15.0	295	0.14	1.01	7.8	32	9.4	170	112	< 0.37 ^e	5.60	92 B	2.3 J	< 0.20	NA	NA
09/10/14	362.13	NM	NM	6.49	15.7	310	0.20	3.85	5.6	17	4.6	100	47.2	< 0.01	< 0.20	74	2.8	< 0.20	NA	NA
12/03/14	362.13	51.68	310.45	6.47	13.6	307	0.18	2.37	4.1	14	2.8	76	8.8	< 0.07 ^e	< 0.20	44	1.9	< 0.20	NA	NA
06/17/15	362.13	51.67	310.46	6.48	15.1	331	0.18	0.75	1.7	7.2	1.3	40	1.6	< 0.07 ^e	< 0.20	18	1.5	< 0.20	NA	NA
12/03/15	362.13	NM	NM	6.37	14.1	477	0.96	3.91	2.2 J	8.4	1.5 J	73	1.45 J	< 0.07 ^e	< 0.20	5.7	1.0 J	< 0.20	NA	NA
05/03/16	362.13	NM	NM	6.51	18.3	221	4.68	1.08	< 0.10	0.15 J	< 0.20	0.71	< 0.40	< 0.20 ^e	< 0.20	< 0.50	0.22 J	< 0.20	NA	NA
11/15/16	362.13	52.15	309.98	5.94	14.5	234	1.41	0.80	< 0.10	0.23	0.23	0.56	0.32	< 0.20 ^e	< 0.20	< 0.50	0.20	< 0.20	NA	NA
05/03/17	362.13	NM	NM	5.94	15.5	165	3.09	1.43	< 0.10	0.23	0.05 J	0.42	< 0.40	< 0.20 ^e	< 0.20	< 0.50	0.28	< 0.20	NA	NA
11/14/17	362.13	50.74	311.39	5.98	13.9	211	2.14	NM	< 0.10	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20 ^e	< 0.20	< 0.50	0.22	< 0.20	NA	NA
01/16/18	362.13	50.33	311.80	5.94	13.6	202	1.10	1.02	< 0.10	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20 ^e	< 0.20	< 0.50	0.26	< 0.20	NA	NA
03/09/18	362.13	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/15/18	362.13	49.68	312.45	5.86	15.0	193	0.67	0.61	< 0.10	0.20	< 0.20	< 0.20	< 0.40	< 0.01	< 0.20	< 0.50	0.34	< 0.20	NA	NA
11/07/18	362.13	49.86	312.27	6.28	13.8	203	0.32	0.25	< 0.10	< 0.20	< 0.20	< 0.20	< 0.40	< 0.01	< 0.20	< 0.50	0.28	< 0.20	NA	NA
07/29/19	362.13	50.33	311.80	6.32	15.5	285	0.50	NM	< 0.10	0.20	< 0.20	< 0.20	< 0.60	< 0.003	< 0.20	< 0.50	0.11	< 0.20	< 0.10	< 0.20
01/30/20	362.13	51.45	310.68	6.40	12.7	249	0.77	NM	< 0.10	0.54	< 0.50	< 0.25	< 0.75	< 0.20 ^e	< 1.0	< 1.0	NA	NA	NA	NA
01/25/22	362.13	52.05	310.08	7.07	12.5	285	4.23	6.51	< 0.05	< 0.10	< 0.50	< 0.25	< 0.75	< 0.010	< 2.50	< 1.0	NA	NA	NA	NA

Notes:

Values in bold and red exceed MTCA Method A Cleanup Levels.

NS = Not sampled

NM = Not measured

NA = Not analyzed

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NTU = Nephelometric turbidity unit

umhos/cm = Micromhos per centimeter

°C = Degrees Celsius

J = Laboratory estimated value

DRO = Diesel-range organics

ORO = Oil-range organics

GRO = Gasoline-range organics

EDB = 1,2-dibromoethane

^a Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^b When benzene is present.

^c When benzene is not present.

^d Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecoloq's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

^eThe analyte was not detected at or above the method detection limit (MDL); however, the MDL exceeded the cleanup level.

Table B-3
Summary of Groundwater Sampling Results - Well MW-12
SeaTac Development Site
SeaTac, Washington

Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Field Parameters					Analytical Data											
				pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	GRO (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	N-heptane (µg/L)	Naphthalene (µg/L)	DRO (mg/L)	ORO (mg/L)	DRO after Silica Gel Cleanup (mg/L)	ORO after Silica Gel Cleanup (mg/L)
				MTCA Method A Groundwater Cleanup Levels ^a					0.8 ^b /1.0 ^c	5.0	1,000	700	1,000	0.01	480 ^d	160	0.5	0.5	0.5	0.5
11/01/07	364.88	54.19	310.69	NM	NM	NM	NM	NM	10.0	18.0	16.0	350	418	NA	NA	NA	0.44	NA	NA	NA
05/19/09	364.88	54.76	310.12	6.34	15.20	552.00	1.58	> 1,000	7.80	9.90	3.40	200.00	73.70	NA	NA	NA	NA	NA	NA	NA
12/07/09	364.88	55.05	309.83	6.61	13.60	484.00	0.26	NM	5.90	21.00	<4.0	420.00	49.30	<0.0096	6.30	150.00	NA	NA	NA	NA
03/16/10	364.88	54.83	310.05	6.44	12.90	565.00	0.18	21.00	5.40	17.00	2.00	310.00	59.20	<0.0096	28.00	120.00	NA	NA	NA	NA
11/08/18	364.88	52.40	312.48	7.18	14.00	290.00	2.49	NM	0.82	0.48	0.19 J	1.80	0.24 J	NA	NA	NA	1.00	<0.20	NA	NA
08/16/07	364.88	NM	NM	NM	NM	NM	NM	NM	92	710	7,600	1,800	11,000	NA	NA	NA	NA	NA	NA	NA
05/21/09	364.88	54.99	309.87	6.43	17.8	416	0.19	33.7	110	1,600	11,000	2,100	10,000	0.70	< 500 ^e	580	NA	NA	NA	NA
12/07/09	364.88	55.29	309.59	7.58	12.0	452	0.06	NM	38	390	2,600	1,200	4,990	0.21	110	540	NA	NA	NA	NA
03/15/10	364.88	54.99	309.89	6.38	14.5	472	0.03	40.8	36	230	2,400	1,300	5,140	0.16	210	520	NS	NS	NS	NS
02/13/14	364.83	55.02	309.81	7.76	14.1	125	10.50	3.43	8.6	79	410	79	970	< 3.8 ^e	< 10	25	1.1 J	< 0.20	NA	NA
05/29/14	364.83	51.58	313.25	7.87	16.7	252	11.77	5.99	0.12	2.0	4.3	1.6	4.2	< 0.07 ^e	< 0.20	< 0.50	0.34 J	< 0.20	NA	NA
09/11/14	364.83	54.87	309.96	8.04	18.1	255	11.80	38.8	0.11	2.5	2.6	1.5	5.3	< 0.01	0.78	0.53 B J	0.35	< 0.20	NA	NA
12/04/14	364.83	54.87	309.96	8.04	15.1	258	11.51	153	< 0.10	< 0.25	< 0.25	0.73	6.0	< 0.07 ^e	0.18 J	0.68	0.20	< 0.20	NA	NA
06/18/15	364.83	NM	NM	8.09	16.3	208	9.90	2.44	< 0.25	< 0.20	< 0.20	0.10 J	2.1	< 0.07 ^e	0.26	< 0.50	0.45	< 0.20	NA	NA
12/03/15	364.83	56.74	308.09	NM	NM	NM	NM	NM	< 0.25	< 0.20	< 0.20	< 0.20	< 0.40	< 0.07 ^e	< 0.20	< 0.50	0.29	< 0.20	NA	NA
05/04/16	364.83	55.53	309.30	7.68	15.1	226	7.72	3.48	< 0.10	< 0.20	< 0.20	< 0.20	< 0.40	< 0.07 ^e	< 0.20	< 0.50	0.18 J	< 0.20	NA	NA
11/16/16	364.83	55.20	309.63	7.84	14.9	199	8.45	13.4	< 0.10	< 0.20	< 0.20	< 0.20	< 0.40	< 0.07 ^e	< 0.20	< 0.50	0.16	< 0.20	NA	NA
05/03/17	364.83	59.02	305.81	7.53	15.9	80	8.01	4.96	< 0.10	< 0.20	< 0.20	< 0.20	< 0.40	< 0.07 ^e	< 0.20	< 0.50	0.89	< 0.215	NA	NA
11/15/17	364.83	53.37	311.46	7.69	14.9	301	0.99	18.9	2.2	1.8	18	11	113	< 0.20 ^e	29	33	1.0	0.30	NA	NA
01/18/18	364.83	53.13	311.70	7.29	14.4	314	0.35	30.1	2.2	1.7	12	26	90	< 0.20 ^e	29	30	1.6	< 0.20	NA	NA
03/09/18	364.83	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/16/18	364.83	52.31	312.52	7.06	15.3	374	0.27	3.02	2.8	17	2.1	24	43	< 0.01	26	19	2.9	< 0.20	NA	NA
11/08/18	364.83	52.55	312.28	7.98	14.7	354	0.36	6.60	3.6	26	2.5	24	25	< 0.01	48 J	17	< 0.10	< 0.20	NA	NA
07/29/19	364.83	53.01	311.82	7.28	16.0	455	0.89	NM	2.3	8.2	2.9	16	25	< 0.003	8.43	14	1.85	< 0.20	< 0.10	< 0.20
01/29/20	364.83	63.90	300.93	7.18	12.6	10	13.47	NM	< 0.10	< 0.10	< 0.50	< 0.25	< 0.75	< 0.01	< 1.0	< 1.0	NA	NA	< 0.078	< 0.16
07/22/20	364.83	54.60	310.23	6.36	15.2	185	0.24	NM	< 0.10	< 0.20	< 1.0	< 0.50	< 1.50	< 0.01	< 2.0	NA	NA	NA	NA	NA
10/19/20	364.83	54.97	309.86	6.85	15.5	129	1.58	2.87	0.13	< 0.20	< 1.0	< 0.50	6.2	< 0.01	2.1	< 4.0	NA	NA	NA	NA
01/18/21	364.83	55.23	309.60	6.28	14.3	68	0.48	5.04	0.48	0.4	2.0	4	40.3	< 0.01	9.7	9	NA	NA	NA	NA
04/26/21	364.83	54.85	309.98	7.01	15.1	363	0.28	3.25	0.97	0.61	8.8	42.9	66.8	< 0.01	20.8 J	22	NA	NA	NA	NA
07/26/21	364.83	55.05	309.78	7.23	15.8	278	0.24	1.01	3.57	1.95	13.9	114.0	378.0	< 0.02 ^e	58.2	72	NA	NA	NA	NA
01/24/22	364.83	54.73	310.10	7.20	14.4	819	0.20	4.75	0.31	4.21	1.7	11.6	28.3	< 0.020 ^e	< 2.50	3.2	NA	NA	NA	NA

Notes:

Values in bold and red exceed MTCA Method A Cleanup Levels.

NS = Not sampled

NM = Not measured

NA = Not analyzed

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NTU = Nephelometric turbidity unit

µmhos/cm = Micromhos per centimeter

°C = Degrees Celsius

J = Laboratory estimated value

DRO = Diesel-range organics

ORO = Oil-range organics

GRO = Gasoline-range organics

EDB = 1,2-dibromoethane

^a Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^b When benzene is present.

^c When benzene is not present.

^d Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecology's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

^e The analyte was not detected at or above the method detection limit (MDL); however, the MDL exceeded the cleanup level.

Table B-4
Summary of Groundwater Sampling Results - Well MW-13
SeaTac Development Site
SeaTac, Washington

Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Field Parameters					Analytical Data											
				pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	GRO (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	N-hexane (µg/L)	Naphthalene (µg/L)	DRO (mg/L)	ORO (mg/L)	DRO after Silica Gel Cleanup (mg/L)	ORO after Silica Gel Cleanup (mg/L)
				MTCA Method A Groundwater Cleanup Levels ^a					0.8 ^b /1.0 ^c	5.0	1,000	700	1,000	0.01	480 ^d	160	0.5	0.5	0.5	0.5
11/01/07	365.42	54.19	311.23	NM	NM	NM	NM	NM	10.0	18.0	16.0	350	418	NA	NA	NA	0.44	NA	NA	NA
05/19/09	365.42	54.76	310.66	6.34	15.20	552.00	1.58	> 1,000	7.80	9.90	3.40	200.00	73.70	NA	NA	NA	NA	NA	NA	NA
12/07/09	365.42	55.05	310.37	6.61	13.60	484.00	0.26	NM	5.90	21.00	<4.0	420.00	49.30	<0.0096	6.30	150.00	NA	NA	NA	NA
03/16/10	365.42	54.83	310.59	6.44	12.90	565.00	0.18	21.00	5.40	17.00	2.00	310.00	59.20	<0.0096	28.00	120.00	NA	NA	NA	NA
11/08/18	365.42	52.40	313.02	7.18	14.00	290.00	2.49	NM	0.82	0.48	0.19 J	1.80	0.24 J	NA	NA	NA	1.00	<0.20	NA	NA
08/16/07	365.42	NM	NM	NM	NM	NM	NM	NM	92	180.0	5,600	2,100	12,600	NA	NA	NA	NA	NA	NA	NA
05/20/09	365.42	55.51	309.91	6.29	18.8	474	1.13	4.8	76	51.0	1,400	2,100	11,000	0.07	< 250	640	NA	NA	NA	NA
12/07/09	365.42	55.83	309.59	6.44	12.3	429	0.18	NM	31	20.0	310	870	4,570	0.05	100	500	NA	NA	NA	NA
03/19/10	365.42	55.66	309.76	6.28	12.8	271	0.16	72.1	33	14	230	890	4,500	0.029	130	410	NS	NS	NS	NS
02/12/14	365.42	54.35	311.07	6.57	13.2	73.3	1.41	4.28	14	< 0.25	3.9	240	2,070	< 0.08 ^e	< 0.20	33	14 J	< 0.20	NA	NA
05/29/14	365.42	55.62	309.80	6.84	14.7	182	10.59	4.24	0.14	< 0.25	< 0.25	0.85	19	< 0.07 ^e	0.11 J	< 0.50	0.32	< 0.20	NA	NA
09/10/14	365.42	54.86	310.56	7.06	14.9	137	11.06	2.41	< 0.10	< 0.25	< 0.25	< 0.50	< 0.50	< 0.01	< 0.20	< 0.50	0.29	< 0.20	NA	NA
12/04/14	365.42	54.86	310.56	7.06	13.9	163	10.10	2.32	< 0.10	< 0.25	< 0.25	< 0.50	< 0.50	< 0.07 ^e	< 0.20	< 0.50	0.31	< 0.20	NA	NA
06/18/15	365.42	54.70	310.72	7.13	14.7	174	10.71	1.32	< 0.25	< 0.20	< 0.20	< 0.40	< 0.40	< 0.07 ^e	< 0.20	0.61	0.27	< 0.20	NA	NA
12/02/15	365.42	56.43	308.99	7.27	14.2	164	10.20	0.90	< 0.25	< 0.20	< 0.20	0.23	1.10 J	< 0.07 ^e	< 0.20	< 0.50	0.26	< 0.20	NA	NA
05/03/16	365.42	56.30	309.12	7.79	15.8	194	14.18	1.14	<0.10	<0.20	<0.20	<0.20	0.44	<0.20 ^e	<0.20	<0.50	0.12 J	<0.20	NA	NA
11/15/16	365.42	55.81	309.61	7.25	14.1	195	10.64	0.73	<0.10	<0.20	<0.20	<0.20	0.46	<0.20 ^e	<0.20	<0.50	0.19	<0.20	NA	NA
05/03/17	365.42	55.14	310.28	7.03	14.5	116	10.71	1.45	<0.10	<0.20	<0.20	<0.40	<0.40	<0.20 ^e	<0.20	<0.50	0.18	<0.20	NA	NA
11/14/17	365.42	54.05	311.37	6.75	13.6	136	1.72	NM	<0.10	<0.20	<0.20	<0.20	<0.40	<0.20 ^e	<0.20	<0.50	0.13	<0.20	NA	NA
01/16/18	365.42	53.62	311.80	6.93	13.4	159	0.85	2.02	<0.10	<0.20	<0.20	<0.40	<0.40	<0.20 ^e	<0.20	<0.50	<0.10	<0.20	NA	NA
03/09/18	365.42	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/15/18	365.42	52.96	312.46	6.43	14.1	120	1.87	1.14	<0.10	<0.20	<0.20	<0.20	<0.40	<0.01	<0.20	<0.50	<0.10	<0.20	NA	NA
11/07/18	365.42	53.16	312.26	7.10	13.6	141	1.00	0.64	<0.10	<0.20	<0.20	<0.20	<0.40	<0.01	<0.20	<0.50	<0.10	<0.20	NA	NA
07/29/19	365.42	53.59	311.83	6.83	17.0	212	1.85	NM	<0.10	0.07 J	<0.20	<0.20	<0.60	<0.003	<0.20	<0.50	<0.10	<0.20	<0.10	<0.20
01/30/20	365.42	54.92	310.50	7.10	12.9	215	3.28	NM	<0.10	0.15 J	<0.50	<0.25	<0.75	<0.01	<1.0	<1.0	NA	NA	NA	NA
07/22/20	365.42	55.19	310.23	5.75	14.4	238	0.99	NM	0.90	0.34	<1.0	0.74	<1.50	<0.20 ^e	5.8	4.6	NA	NA	NA	NA
10/19/20	365.42	55.67	309.75	6.72	14.1	274	2.04	2.17	0.53	0.21	<1.0	<0.50	<1.50	<0.20 ^e	<2.0	<2.0	NA	NA	NA	NA
01/18/21	365.42	55.85	309.57	6.56	13.3	277	1.31	0.49	0.53	0.22	1.23	6.58	18	<0.01	<2.0	4.66	NA	NA	NA	NA
04/26/21	365.42	55.44	309.98	6.85	14.3	217	6.18	1.69	<0.10	<0.20	<1.0	<0.50	3.7	<0.01	<2.0	NA	NA	NA	NA	NA
07/26/21	365.42	55.65	309.77	6.92	14.7	204	5.01	0.68	<0.05	<0.1	<0.50	<0.25	<0.75	<0.02 ^e	<2.0	<2.0	NA	NA	NA	NA
01/25/22	365.42	55.30	310.12	6.60	13.5	271	2.91	0.51	<0.05	<0.10	<0.50	<0.25	<0.75	<0.010	<2.50	<1.0	NA	NA	NA	NA

Notes:

Values in bold and red exceed MTCA Method A Cleanup Levels.

NS = Not sampled

NM = Not measured

NA = Not analyzed

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NTU = Nephelometric turbidity unit

µmhos/cm = Micromhos per centimeter

°C = Degrees Celsius

J = Laboratory estimated value

DRO = Diesel-range organics

ORO = Oil-range organics

GRO = Gasoline-range organics

EDB = 1,2-dibromoethane

^a Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^b When benzene is present.

^c When benzene is not present.

^d Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecology's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

^e The analyte was not detected at or above the method detection limit (MDL); however, the MDL exceeded the cleanup level.

Table B-5
Summary of Groundwater Sampling Results - Well MW-15
SeaTac Development Site
SeaTac, Washington

Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Field Parameters						Analytical Data											
				pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	GRO (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	N-hexane (µg/L)	Naphthalene (µg/L)	DRO (mg/L)	ORO (mg/L)	DRO after Silica Gel Cleanup (mg/L)	ORO after Silica Gel Cleanup (mg/L)	
				MTCA Method A Groundwater Cleanup Levels ^a						0.8 ^b /1.0 ^c	5.0	1,000	700	1,000	0.01	480 ^d	160	0.5	0.5	0.5	0.5
11/01/07	364.67	54.19	310.48	NM	NM	NM	NM	NM	10.0	18.0	16.0	350	418	NA	NA	NA	0.44	NA	NA	NA	
05/19/09	364.67	54.76	309.91	6.34	15.2	552	1.58	> 1,000	7.80	9.90	3.4	200	73.7	NA	NA	NA	NA	NA	NA	NA	
12/07/09	364.67	55.05	309.62	6.61	13.6	484	0.26	NM	5.90	21.0	<4.0	420	49.3	<0.0096	6.3	150	NA	NA	NA	NA	
03/16/10	364.67	54.83	309.84	6.44	12.9	565	0.18	21.0	5.40	17.0	2.0	310	59.2	<0.0096	28.0	120	NA	NA	NA	NA	
11/08/18	364.67	52.40	312.27	7.18	14.0	290	2.49	NM	0.82	0.48	0.19 J	1.80	0.24 J	NA	NA	NA	1.00	<0.20	NA	NA	
01/18/21	364.67	54.80	309.87	6.58	13.9	493	0.92	36.60	0.29	0.60	<1.0	0.71	<1.5	<0.01	<2.0	<2.0	NA	NA	NA	NA	
01/24/22	364.67	54.54	310.13	6.64	13.7	542	0.72	3.5	0.10	0.19 J	<0.50	<0.25	<0.75	<0.010	<2.50	<1.0	NA	NA	NA	NA	

Notes:

Values in bold and red exceed MTCA Method A Cleanup Levels.

NS = Not sampled

NM = Not measured

NA = Not analyzed

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NTU = Nephelometric turbidity unit

µmhos/cm = Micromhos per centimeter

*C = Degrees Celsius

J = Laboratory estimated value

DRO = Diesel-range organics

ORO = Oil-range organics

GRO = Gasoline-range organics

EDB = 1,2-dibromoethane

^a Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^b When benzene is present.

^c When benzene is not present.

^d Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecology's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

Table B-6
Summary of Groundwater Sampling Results - Well MW-16
SeaTac Development Site
SeaTac, Washington

Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Field Parameters						Analytical Data								
				pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	GRO (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	N-Hexane (µg/L)	Naphthalene (µg/L)	DRO (mg/L)	ORO (mg/L)
				MTCA Method A Groundwater Cleanup Levels ^a						5.0	1,000	700	1,000	0.01	480 ^d	160	0.5	0.5
11/01/07	376.36	54.19	322.17	NM	NM	NM	NM	NM	10.0	18.0	16.0	350	418	NA	NA	NA	0.44	NA
05/19/09	376.36	54.76	321.60	6.34	15.20	552.00	1.58	> 1,000	7.80	9.90	3.40	200.00	73.70	NA	NA	NA	NA	NA
12/07/09	376.36	55.05	321.31	6.61	13.60	484.00	0.26	NM	5.90	21.00	<4.0	420.00	49.30	<0.0096	6.30	150.00	NA	NA
03/16/10	376.36	54.83	321.53	6.44	12.90	565.00	0.18	21.00	5.40	17.00	2.00	310.00	59.20	<0.0096	28.00	120.00	NA	NA
11/08/18	376.36	52.40	323.96	7.18	14.00	290.00	2.49	NM	0.82	0.48	0.19 J	1.80	0.24 J	NA	NA	NA	1.00	<0.20
11/13/07	376.36	65.95	310.41	--	--	--	--	--	26.0	160	320	830	1,733	NA	NA	NA	NA	NA
05/22/09	376.36	66.56	309.80	6.33	15.4	440	0.35	3.97	28.0	180	67.0	1,200	1,800	<0.10 ^e	240	350	NA	NA
12/07/09	376.36	66.82	309.54	6.50	12.7	473	0.25	NM	10.0	69.0	67.0	580	490	0.05	66	230	NA	NA
03/17/10	376.36	66.62	309.74	6.40	11.7	446	0.22	5.14	6.60	51.0	15.0	430	292	0.04	38	170	NA	NA
07/29/19	377.63	65.95	311.68	6.57	15.6	184	0.45	NM	1.73	0.64	0.32	0.45	0.48 J	<0.003	4.1	1.0	<0.10	<0.20
10/19/20	377.63	68.02	309.61	6.55	13.4	237	2.26	2.54	0.19	0.29	<1.0	<0.50	<1.50	<0.01	<2.0	NA	NA	NA
01/18/21	377.63	68.21	309.42	6.37	13.3	248	0.58	1.08	0.41	0.22	<1.0	<0.5	<1.5	<0.01	3.4	<2.0	NA	NA
04/26/21	377.63	67.82	309.81	6.72	14.1	184	1.31	2.13	0.35	<0.20	<1.0	<0.50	<1.5	<0.01	<2.0	<2.0	NA	NA
07/26/21	377.63	68.02	309.61	6.79	15.8	150	0.90	0.49	0.08 J	0.12 J	<0.50	<0.25	<0.75	<0.04 ^e	<2.0	<2.0	NA	NA
01/24/22	377.63	67.68	309.95	6.88	12.7	147	1.30	0.81	<0.05	<0.10	<0.50	<0.25	<0.75	<0.020 ^e	<2.50	<1.0	NA	NA

Notes:

Values in bold and red exceed MTCA Method A Cleanup Levels.

NS = Not sampled

NM = Not measured

NA = Not analyzed

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NTU = Nephelometric turbidity unit

µmhos/cm = Micromhos per centimeter

°C = Degrees Celsius

J = Laboratory estimated value

DRO = Diesel-range organics

ORO = Oil-range organics

GRO = Gasoline-range organics

EDB = 1,2-dibromoethane

-- = Not available

^a Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^b When benzene is present.

^c When benzene is not present.

^d Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecology's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

^e The analyte was not detected at or above the method detection limit (MDL); however, the MDL exceeded the cleanup level.

Table B-7
Summary of Groundwater Sampling Results - Well MW-17A
SeaTac Development Site
SeaTac, Washington

Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Field Parameters						Analytical Data										
				pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	GRO (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	N-hexane (µg/L)	Naphthalene (µg/L)	DRO (mg/L)	ORO (mg/L)	DRO after Silica Gel Cleanup (mg/L)	ORO after Silica Gel Cleanup (mg/L)
				MTCA Method A Groundwater Cleanup Levels ^a						0.8 ^b /1.0 ^c	5.0	1,000	700	1,000	0.01	480 ^d	160	0.5	0.5	0.5
11/01/07	385.81	54.19	331.62	NM	NM	NM	NM	NM	10.0	18.0	16.0	350	418	NA	NA	0.44	NA	NA	NA	
05/19/09	385.81	54.76	331.05	6.34	15.20	552.00	1.58	> 1,000	7.80	9.90	3.40	200.00	73.70	NA	NA	NA	NA	NA	NA	
12/07/09	385.81	55.05	330.76	6.61	13.60	484.00	0.26	NM	5.90	21.00	<4.0	420.00	49.30	<0.0096	6.30	150.00	NA	NA	NA	
03/16/10	385.81	54.83	330.98	6.44	12.90	565.00	0.18	21.00	5.40	17.00	2.00	310.00	59.20	<0.0096	28.00	120.00	NA	NA	NA	
11/08/18	385.81	52.40	333.41	7.18	14.00	290.00	2.49	NM	0.82	0.48	0.19 J	1.80	0.24 J	NA	NA	NA	1.00	<0.20	NA	
11/13/07	385.81	75.60	310.21	NM	NM	NM	NM	NM	17	1.0	5.2	45	507	NA	NA	NA	7.3	<0.5	NA	
05/28/09	385.81	76.17	309.64	6.23	18.2	183.9	0.37	4.9	6.3	0.7	0.6	13	96	<0.2 ^e	<5.0	150	NA	NA	NA	
12/07/09	385.81	76.49	309.32	6.46	10	166	0.13	NM	4.5	<4.0	7	8.8	56	<0.0095	<4.0	140	NA	NA	NA	
03/17/10	385.81	76.29	309.52	6.51	9.3	145	0.52	142	1.7	<1.0	<1.0	4.0	27	<0.0095	<1.0	63	NS	NS	NS	
02/11/14	394.00 ^e	83.80	310.20 ^f	6.36	11.3	82.5	1.06	137	<0.10	<0.25	<0.25	<0.25	<0.50	<0.08 ^g	<0.20	0.74	<0.10	<0.20	NA	
05/29/14	394.00 ^e	84.00	310.00 ^f	6.22	12.2	175	2.06	39.7	<0.10	0.25	<0.25	<0.25	<0.50	<0.07 ^g	<0.20	0.62 J	<0.10	<0.20	NA	
09/10/14	394.00 ^e	84.18	309.82 ^f	6.28	12.4	162	1.42	18.8	<0.10	<0.25	<0.25	<0.25	<0.50	<0.07 ^g	<0.20	0.64 J	<0.10	<0.20	NA	
12/05/14	394.00 ^e	84.18	309.82 ^f	6.42	11.7	167	1.09	31.8	<0.10 J	0.54 J	<0.25 J	<0.25 J	0.63 J	<0.07 ^g	<0.20 J	2.8	<0.10	<0.20	NA	
06/17/15	394.00 ^e	84.16	309.84 ^f	6.29	12.9	158	3.13	29.6	<0.25	<0.20	<0.20	<0.20	<0.40	<0.07 ^g	<0.20	<0.50	<0.10	<0.20	NA	
12/18/15	394.00 ^e	85.95	308.05 ^f	6.57	11.8	127	0.20	23.7	0.05 J	0.75	<0.20	0.08 J	<0.40	<0.07 ^g	<0.20	0.98 J	<0.10	<0.20	NA	
05/03/16	394.00 ^e	85.21	308.79 ^f	6.51	13.1	132	4.60	8.41	<0.10	0.33	<0.20	<0.20	<0.40	<0.20 ^g	0.11 J	0.71 J	<0.10	<0.20	NA	
11/15/16	394.00 ^e	84.57	309.43 ^f	6.46	12.6	122	3.76	10.2	<0.10	0.14 J	<0.20	<0.20	<0.40	<0.20 ^g	<0.20	<0.50	<0.10	<0.20	NA	
05/03/17	394.00 ^e	84.24	309.76 ^f	6.08	12.4	76	7.25	7.57	<0.10	<0.20	<0.20	<0.20	<0.40	<0.20 ^g	<0.20	<0.50	<0.10	<0.20	NA	
11/15/17	394.00 ^e	83.17	310.83 ^f	6.62	12.1	105	7.05	NM	<0.10	<0.20	<0.20	<0.20	<0.40	<0.20 ^g	<0.20	0.54	<0.10	<0.20	NA	
01/16/18	394.00 ^e	82.95	311.05 ^f	6.27	12.0	111	8.55	4.2	<0.10	<0.20	<0.20	<0.20	<0.40	<0.20 ^g	<0.20	<0.50	<0.10	<0.20	NA	
03/09/18	394.00 ^e	NM	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
05/15/18	394.00 ^e	82.21	311.79 ^f	6.14	12.9	106	8.57	1.4	<0.10	<0.20	<0.20	<0.20	<0.40	<0.01	<0.20	<0.50	<0.10	<0.20	NA	
11/08/18	394.00 ^e	82.49	311.51 ^f	6.48	12.3	116	8.20	3.4	<0.10	<0.20	<0.20	<0.20	<0.40	<0.01	<0.20	<0.50	<0.10	<0.20	NA	
07/29/19	394.00 ^e	82.67	311.33 ^f	6.35	15.4	175	6.90	NM	<0.10	<0.20	<0.20	<0.20	<0.60	<0.003	0.10 J	<0.50	<0.10	<0.20	<0.10	
01/30/20	394.44	84.14	310.30	6.38	12.1	161	5.74	NM	<0.10	<0.10	<0.50	<0.25	<0.75	<0.01	<1.0	<1.0	NA	NA	NA	
07/21/20	394.44	84.35	310.09	5.35	13.7	168	1.99	NM	<0.10	<0.20	<1.0	<0.50	<1.50	<0.010	<2.0	<2.0	NA	NA	NA	
10/19/20	394.44	84.93	309.51	5.86	14.3	182	3.02	13.2	<0.10	<0.20	<1.0	<0.50	<1.50	<0.01	<2.0	<2.0	NA	NA	NA	
01/18/21	394.44	85.14	309.30	6.23	12.3	179	1.15	1.7	<0.10	0.49	<1.0	<0.50	<1.50	<0.01	<2.0	<2.0	NA	NA	NA	
04/26/21	394.44	84.69	309.75	6.29	13.3	180	3.98	94.8	<0.10	<0.20	<1.0	<0.50	<1.5	<0.01	<2.0	<2.0	NA	NA	NA	
07/26/21	394.44	84.85	309.59	6.34	16.1	162	3.99	38.1	<0.05	<0.1	<0.50	<0.25	<0.75	<0.01	<2.0	<2.0	NA	NA	NA	
01/24/22	394.44	84.68	309.76	6.70	12.4	220	1.50	12.9	<0.05	<0.10	<0.50	<0.25	<0.75	<0.010	<2.50	<1.0	NA	NA	NA	

Notes:

Values in bold and red exceed MTCA Method A Cleanup Levels.

NM = Not sampled

NA = Not analyzed

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NTU = Nephelometric turbidity unit

µmhos/cm = Micromhos per centimeter

°C = Degrees Celsius

J = Laboratory estimated value

DRO = Diesel-range organics

ORO = Oil-range organics

GRO = Gasoline-range organics

EDB = 1,2-dibromoethane

^a Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^b When benzene is present.

^c When benzene is not present.

^d Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecology's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

^e Top of casing elevation was not surveyed; elevation was estimated by Golder Associates, Inc.

^f Estimated elevation.

^g The analyte was not detected at or above the method detection limit (MDL); however, the MDL exceeded the cleanup level.

Table B-8
Summary of Groundwater Sampling Results - Well MW-18
SeaTac Development Site
SeaTac, Washington

Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Field Parameters					Analytical Data											
				pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	GRO (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	N-hexane (µg/L)	Naphthalene (µg/L)	DRO (mg/L)	ORO (mg/L)	DRO after Silica Gel Cleanup (mg/L)	ORO after Silica Gel Cleanup (mg/L)
MTCA Method A Groundwater Cleanup Levels ^a																				
									0.8 ^b /1.0 ^c											
11/01/07	360.45	54.19	306.26	NM	NM	NM	NM	NM	10.0	18.0	16.0	350	418	NA	NA	0.44	NA	NA	NA	
05/19/09	360.45	54.76	305.69	6.34	15.20	552.00	1.58	> 1,000	7.80	9.90	3.40	200.00	73.70	NA	NA	NA	NA	NA	NA	
12/07/09	360.45	55.05	305.40	6.61	13.60	484.00	0.26	NM	5.90	21.00	<4.0	420.00	49.30	<0.0096	6.30	150.00	NA	NA	NA	
03/16/10	360.45	54.83	305.62	6.44	12.90	565.00	0.18	21.00	5.40	17.00	2.00	310.00	59.20	<0.0096	28.00	120.00	NA	NA	NA	
11/08/18	360.45	52.40	308.05	7.18	14.00	290.00	2.49	NM	0.82	0.48	0.19 J	1.80	0.24 J	NA	NA	1.00	<0.20	NA	NA	
11/28/07	360.45	52.50	307.95	NM	NM	NM	NM	NM	79	2,900	7,500	1,600	6,290	NA	NA	NA	0.66	< 0.5 ^d	NA	NA
05/21/09	360.45	54.53	305.92	6.71	17.4	494	0.11	4.58	78	3,100	7,600	2,200	9,600	1.40	500	460	NA	NA	NA	NA
12/07/09	360.45	50.85	309.60	6.80	12.4	587	0.28	NM	44	2,200	5,400	1,600	6,690	1.90	180	380	NA	NA	NA	NA
03/18/10	360.45	50.58	309.87	6.69	14.2	586	0.11	5.39	52	2,600	6,000	1,700	6,690	2.5	350	420	NS	NS	NS	NS
02/12/14	360.45	49.01	311.44	7.62	13.8	175	8.11	2.89	1.0	27	13	17	91	< 0.08 ^e	1.1	4.0	0.77 J	<0.20	NA	NA
05/29/14	360.45	49.75	310.70	7.98	15.2	369	10.60	7.95	0.14	6.6	1.5	4.7	9.2	< 0.07 ^e	0.64	0.84 J+	0.33 J	<0.20	NA	NA
09/11/14	360.45	49.83	310.62	8.23	15.2	498	11.23	13.1	< 0.10	0.72	0.27	0.40	0.72	< 0.10	< 0.20	< 0.50	0.14	< 0.20	NA	NA
12/04/14	360.45	49.83	310.62	7.84	14.4	470	10.78	81.6	< 0.10	0.69	< 0.25	0.63	0.93	< 0.07 ^e	0.10 J	< 0.50	0.24	< 0.20	NA	NA
06/18/15	360.45	49.51	310.94	8.05	15.2	515	10.89	49.6	< 0.25	0.67	0.54	0.24	1.1	< 0.07 ^e	< 0.20	< 0.50	0.38	< 0.20	NA	NA
12/03/15	360.45	NM	NM	8.28	14.8	455	10.21	14.6	< 0.25	0.57	4.8	0.34	9.8	< 0.07 ^e	0.25	0.67	0.13	< 0.20	NA	NA
05/04/16	360.45	51.12	309.33	7.27	14.8	513	4.53	4.77	0.22	8.0	5.5	8.2	29	< 0.20 ^e	1.5	1.5 J	0.37 J	< 0.20	NA	NA
11/16/16	360.45	50.63	309.82	7.55	15.0	503	6.97	2.44	0.12	3.6	1.2	2.1	9.0	< 0.20 ^e	0.39	< 0.50	0.48	< 0.20	NA	NA
05/03/17	360.45	50.12	310.33	7.19	15.6	313	4.54	3.57	0.28	6.9	3.1	6.8	21	< 0.20 ^e	1.4	2.7	0.29	0.30	NA	NA
11/14/17	360.45	49.00	311.45	6.78	15.2	454	0.71	NM	1.3	3.6	1.6	7.4	8.7	< 0.20 ^e	0.33	< 0.50	4.4	0.43	NA	NA
01/16/18	360.45	48.62	311.83	6.12	14.4	22.7	6.23	18.1	< 0.10	< 0.20	< 0.20	< 0.20	< 0.40	< 0.20 ^e	< 0.20	< 0.50	< 0.10	< 0.20	NA	NA
03/09/18	360.45	48.35	312.10	6.69	14.4	479	0.28	1.89	1.9	NS	NS	NS	NS	NS	NS	NS	4.66	< 0.20	NA	NA
05/16/18	360.45	47.94	312.51	6.42	15.2	405	0.21	1.41	1.5	6.2	2.2	20	19	< 0.01	1.3	5.1	2.9	< 0.20	NA	NA
11/07/18	360.45	48.14	312.31	6.82	15.1	506	0.17	2.50	1.5	6.6	1.1	24	2.8	< 0.01	< 0.20	7.0	3.3	< 0.20	NA	NA
07/26/19	360.45	48.58	311.87	6.55	17.9	782	0.65	NM	1.2	1.3	0.3	1.2	2.4	< 0.003	0.22	4.8	2.8	< 0.20	< 0.10	< 0.20
01/30/20	360.45	50.03	310.42	7.51	13.5	27	7.14	NM	< 0.10	< 0.10	< 0.50	< 0.25	< 0.75	< 0.01	< 1.0	< 1.0	NA	NA	< 0.080	< 0.16
07/22/20	360.45	50.25	310.20	6.80	16.1	355	1.57	NM	< 0.10	< 0.20	< 1.0	< 0.50	< 1.50	< 0.010	< 2.0	< 2.0	NA	NA	NA	NA
10/19/20	360.45	50.68	309.77	7.51	16.4	390	2.34	1.5	< 0.10	< 0.20	< 1.0	< 0.50	< 1.50	< 0.01	< 2.0	< 2.0	NA	NA	NA	NA
01/18/21	360.45	50.90	309.55	7.49	14.9	378	0.66	0.7	< 0.10	0.7	< 1.0	< 0.50	< 1.5	< 0.01	< 2.0	< 2.0	NA	NA	NA	NA
04/26/21	360.45	50.49	309.96	7.65	15.7	378	0.19	0.44	< 0.10	0.5	< 1.0	< 0.50	< 1.5	< 0.01	< 2.0	< 2.0	NA	NA	NA	NA
07/26/21	360.45	50.63	309.82	7.65	18.1	308	0.31	0.63	< 0.05	0.6	< 0.50	< 0.25	< 0.75	< 0.01	< 2.0	< 2.0	NA	NA	NA	NA
01/25/22	360.45	50.31	310.14	7.01	14.7	622	0.40	0.29	< 0.05	0.33	< 0.50	< 0.25	< 0.75	< 0.010	< 2.50	< 1.0	NA	NA	NA	NA

Notes:

Values in bold and red exceed MTCA Method A Cleanup Levels.

NS = Not sampled

NM = Not measured

NA = Not analyzed

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NTU = Nephelometric turbidity unit

µmhos/cm = Micromhos per centimeter

°C = Degrees Celsius

J = Laboratory estimated value

DRO = Diesel-range organics

ORO = Oil-range organics

GRO = Gasoline-range organics

EDB = 1,2-dibromoethane

^a Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^b When benzene is present.

^c When benzene is not present.

^d Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecology's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

^e The analyte was not detected at or above the method detection limit (MDL); however, the MDL exceeded the cleanup level.

Table B-9
Summary of Groundwater Sampling Results - Well MW-22
SeaTac Development Site
SeaTac, Washington

Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Field Parameters					Analytical Data											
				pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	GRO (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	N-hexane (µg/L)	Naphthalene (µg/L)	DRO (mg/L)	ORO (mg/L)	DRO after Silica Gel Cleanup (mg/L)	ORO after Silica Gel Cleanup (mg/L)
				MTCA Method A Groundwater Cleanup Levels ^a					0.8 ^b /1.0 ^c	5.0	1,000	700	1,000	0.01	480 ^d	160	0.5	0.5	0.5	0.5
11/01/07	393.31	54.19	339.12	NM	NM	NM	NM	NM	10.0	18.0	16.0	350	418	NA	NA	NA	0.44	NA	NA	NA
05/19/09	393.31	54.76	338.55	6.34	15.20	552.00	1.58	>1,000	7.80	9.90	3.40	200.00	73.70	NA	NA	NA	NA	NA	NA	NA
12/07/09	393.31	55.05	338.26	6.61	13.60	484.00	0.26	NM	5.90	21.00	<4.0	420.00	49.30	<0.0096	6.30	150.00	NA	NA	NA	NA
03/16/10	393.31	54.83	338.48	6.44	12.90	565.00	0.18	21.00	5.40	17.00	2.00	310.00	59.20	<0.0096	28.00	120.00	NA	NA	NA	NA
11/08/18	393.31	52.40	340.91	7.18	14.00	290.00	2.49	NM	0.82	0.48	0.19 J	1.80	0.24 J	NA	NA	NA	1.00	<0.20	NA	NA
12/10/09	393.31	83.8	309.51	6.96	11.7	5.66	0.27	NM	8	17	26	770	1,112	<0.0095	4.9	270	NA	NA	NA	NA
02/12/10	393.31	NM	NM	NM	NM	NM	NM	0.97	12	22	51	850	1,719	<0.0096	11	280	NA	NA	NA	NA
03/16/10	393.31	83.63	309.68	6.65	12.5	586	0.25	82.0	15	23	74	1,400	2,420	<0.0095	15	380	NS	NS	NS	NS
03/20/14	393.31	82.93	310.38	6.68	12.2	381	0.87	64.8	17	5.7	12	990	1,503	<0.07 ^f	7.8	400 J	1.2 J	<0.20	NA	NA
05/28/14	393.31	82.72	310.59	6.73	13.2	383	0.30	2.26	18	3.9	9.7	940	1,900	<0.07 ^f	8.6	420 B	1.7 J	<0.20	NA	NA
09/12/14	393.31	82.98	310.33	6.81	13.7	423	0.29	1.03	16	4.8	9.3	690	1,103	<1.5 ^f	9.8	460 B J	1.1 J	<0.20	NA	NA
12/05/14	393.31	82.98	310.33	6.81	12.8	378	0.26	3.71	16	8.7	11	740	1,103	<1.5 ^f	7.2	380	0.86 J	<0.20	NA	NA
06/25/15	393.31	82.95	310.36	6.82	13.6	354	0.52	3.34	19	5.9	7.4	750	1,402	<0.74 ^f	4.7	310	1.0 J	<0.20	NA	NA
12/02/15	393.31	84.83	308.48	6.87	13.0	325	0.25	3.42	19	4.4	6.2	840	1,503	<1.5 ^f	3.0 J	240	1.5 J	<0.20	NA	NA
05/04/16	393.31	83.85	309.46	6.84	13.3	294	0.39	3.61	15	3.8	5.0	780	1,403	<0.20 ^f	8.6	470 Q	2.8 J	<0.20	NA	NA
11/16/16	393.31	83.43	309.88	6.89	13.1	246	1.00	5.50	11	4.0	3.9	631	882	<0.20 ^f	5.9 J	438	1.9	<0.20	NA	NA
05/02/17	393.31	82.95	310.36	6.67	13.3	172	0.41	1.87	13	4.2	4.4	651	960	<0.20 ^f	5.7	389	2.8	<0.222	NA	NA
11/15/17	393.31	81.93	311.38	7.09	13.1	215	1.72	3.72	11	4.2	3.3	481	583	<2.0 ^f	5.4	326	2.4	<0.20	NA	NA
01/18/18	393.31	81.43	311.88	6.67	12.9	196	0.81	3.08	17	4.9	3.9	530	731	<2.0 ^f	7.9	349	2.9	<0.20	NA	NA
03/09/18	393.31	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/16/18	393.31	80.92	312.39	6.41	13.5	172	3.39	2.94	12	3.0	2.4	340	630	<0.01	4.82	268	2.0	<0.20	NA	NA
11/07/18	393.31	81.22	312.09	6.97	13.4	171	3.92	1.78	8.6	2.3	2.2	198	407	<0.01	4.0	228	1.8 J	0.20 UJ	NA	NA
08/08/19	393.31	81.52	311.79	6.02	14.6	231	5.05	NM	1.9	1.1	0.33	61	76	<0.003	0.47	61	0.77	<0.20	<0.10	<0.20
01/29/20	393.31	82.58	310.73	6.72	12.8	192	1.78	NM	4.3	3.1	<5.0	247	335	<2.50 ^f	<10.0	130	NA	NA	0.27 ^e	<0.20
07/21/20	393.31	83.04	310.27	5.60	14.8	208	0.96	NM	4.4	2.9	<5.0	184	340	<2.50 ^f	<10.0	175	NA	NA	NA	NA
01/24/22	393.31	83.33	309.98	7.70	13.0	252	0.54	0.84	0.23	1.5	<0.50	1.1	<0.75	<0.010	<1.0	13	NA	NA	NA	NA

Notes:

Values in bold and red exceed MTCA Method A Cleanup Levels.

NS = Not sampled

NM = Not measured

NA = Not analyzed

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NTU = Nephelometric turbidity unit

µmhos/cm = Micromhos per centimeter

°C = Degrees Celsius

J = Laboratory estimated value

DRO = Diesel-range organics

ORO = Oil-range organics

GRO = Gasoline-range organics

EDB = 1,2-dibromoethane

^a Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^b When benzene is present.

^c When benzene is not present.

^d Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecology's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

^e The laboratory noted that the result for diesel-range organics is due to overlap from gasoline or a gasoline-range product.

^f The analyte was not detected at or above the method detection limit (MDL); however, the MDL exceeded the cleanup level.

Table B-10
Summary of Groundwater Sampling Results - Well PORT-MW-B
SeaTac Development Site
SeaTac, Washington

Date Sampled	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Field Parameters							Analytical Data										
				pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	GRO (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	N-hexane (µg/L)	Naphthalene (µg/L)	DRO (mg/L)	ORO (mg/L)	DRO after Silica Gel Cleanup (mg/L)	ORO after Silica Gel Cleanup (mg/L)	
				MTCA Method A Groundwater Cleanup Levels ^a							0.8 ^b /1.0 ^c	5.0	1,000	700	1,000	0.01	480 ^d	160	0.5	0.5	0.5
11/01/07	400.00 ^e	54.19	345.81	NM	NM	NM	NM	NM	10.0	18.0	16.0	350	418	NA	NA	NA	0.44	NA	NA	NA	NA
05/19/09	400.00 ^e	54.76	345.24	6.34	15.20	552.00	1.58	> 1,000	7.80	9.90	3.40	200.00	73.70	NA	NA	NA	NA	NA	NA	NA	NA
12/07/09	400.00 ^e	55.05	344.95	6.61	13.60	484.00	0.26	NM	5.90	21.00	<4.0	420.00	49.30	<0.0096	6.30	150.00	NA	NA	NA	NA	NA
03/16/10	400.00 ^e	54.83	345.17	6.44	12.90	565.00	0.18	21.00	5.40	17.00	2.00	310.00	59.20	<0.0096	28.00	120.00	NA	NA	NA	NA	NA
11/08/18	400.00 ^e	52.40	347.60	7.18	14.00	290.00	2.49	NM	0.82	0.48	0.19 J	1.80	0.24 J	NA	NA	NA	1.00	<0.20	NA	NA	NA
08/03/11	400.00 ^e	NM	NM	NM	NM	NM	NM	NM	0.20	1.3	< 1.0	13	3.4	< 0.01	< 1.0	13	0.28	< 0.25	NA	NA	NA
03/20/14	400.00 ^e	89.70	310.30 ^f	6.55	12.3	267	6.16	NM	< 0.10	< 0.25	< 0.25	< 0.50	< 0.07 ^g	< 0.20	< 0.50 J	< 0.10	< 0.20	NA	NA	NA	NA
05/28/14	400.00 ^e	89.50	310.50 ^f	6.50	14.2	317	4.63	98.3	< 0.10	< 0.25	< 0.25	< 0.50	< 0.07 ^g	< 0.20	< 0.50	< 0.10	< 0.20	NA	NA	NA	NA
09/12/14	400.00 ^e	89.71	310.29 ^f	6.56	14.0	266	3.56	6.18	< 0.10	< 0.25	< 0.25	1.1	1.9	< 0.07 ^g	< 0.20	< 0.50	< 0.10	< 0.20	NA	NA	NA
12/05/14	400.00 ^e	89.71	310.29 ^f	6.57	12.6	265	4.07	84.1	0.11	< 0.25	< 0.25	1.1	1.0	< 0.07 ^g	< 0.20	< 0.50	< 0.10	< 0.20	NA	NA	NA
06/25/15	400.00 ^e	89.67	310.33 ^f	6.51	14.3	290	3.80	4.18	< 0.25	< 0.20	< 0.20	< 0.40	< 0.07 ^g	< 0.20	< 0.50	< 0.10	< 0.20	NA	NA	NA	NA
12/02/15	400.00 ^e	91.61	308.39 ^f	6.56	13.0	267	2.34	1.79	< 0.25	< 0.20	< 0.20	0.26	0.40 J	< 0.07 ^g	< 0.20	2.3 J	< 0.10	0.49	NA	NA	NA
05/04/16	400.00 ^e	90.55	309.45 ^f	6.72	13.2	219	2.59	7.38	< 0.10	0.08 J	< 0.20	0.74	0.50	< 0.20 ^g	< 0.20	0.83 J	< 0.10	< 0.20	NA	NA	NA
11/16/16	400.00 ^e	90.31	309.69 ^f	6.70	13.1	192	3.97	11.7	< 0.10	0.03 J	< 0.20	0.04 J	< 0.40	< 0.20 ^g	< 0.20	< 0.50	< 0.10	< 0.20	NA	NA	NA
05/02/17	400.00 ^e	89.65	310.35 ^f	6.54	12.9	107	3.85	2.63	< 0.10	0.21	< 0.20	1.2	< 0.40	< 0.20 ^g	< 0.20	1.4	< 0.10	< 0.20	NA	NA	NA
11/15/17	400.00 ^e	88.67	311.33 ^f	6.78	13.0	199	5.09	2.42	< 0.10	< 0.20	< 0.20	0.36	< 0.40	< 0.20 ^g	< 0.20	< 0.50	< 0.10	< 0.20	NA	NA	NA
01/18/18	400.00 ^e	88.17	311.83 ^f	6.82	12.6	173	1.39	3.43	0.15	0.47	< 0.20	2.7	< 0.40	< 0.20 ^g	< 0.20	3.2	0.17	< 0.20	NA	NA	NA
03/09/18	400.00 ^e	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/16/18	400.00 ^e	87.64	312.36 ^f	6.40	13.8	103	3.36	2.35	< 0.10	< 0.20	< 0.20	< 0.20	< 0.40	< 0.01	< 0.20	< 0.50	< 0.10	< 0.20	NA	NA	NA
11/07/18	400.00 ^e	87.91	312.09 ^f	6.80	13.1	103	4.92	1.29	< 0.10	< 0.20	< 0.20	< 0.20	< 0.40	< 0.01	< 0.20	< 0.50	< 0.10	< 0.20	NA	NA	NA
08/08/19	400.00 ^e	90.02	310.73 ^f	7.00	12.7	224	2.71	NM	< 0.10	< 0.20	< 0.20	< 0.20	< 0.60	< 0.003	0.11 J	< 0.50	0.14	< 0.20	< 0.20	NA	NA
01/29/20	399.83	105.60	294.23	6.66	12.0	166	8.70	NM	< 0.10	< 0.10	< 0.50	< 0.25	< 0.75	< 0.01	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
07/21/20	399.83	89.77	310.06	5.37	14.5	174	3.15	NM	< 0.10	< 0.20	< 1.0	< 0.50	< 1.50	< 0.01	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA
10/19/20	399.83	90.30	309.53	6.22	15.0	194	1.14	3.27	< 0.10	< 0.20	< 1.0	< 0.50	< 1.50	< 0.01	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA
01/18/21	399.83	90.61	309.22	6.31	12.3	209	3.75	14.50	< 0.10	< 0.20	< 1.0	< 0.50	< 1.5	< 0.01	< 2.0	< 2.0	NA	NA	NA	NA	NA
04/26/21	399.83	90.12	309.71	6.80	13.7	228	2.99	62.60	< 0.10	0.22	< 1.0	< 0.50	< 1.5	< 0.01	< 2.0	< 2.0	NA	NA	NA	NA	NA
07/26/21	399.83	90.28	309.55	6.88	15.2	185	3.88	2.10	< 0.05	< 0.1	< 0.50	< 0.25	< 0.75	< 0.01	< 2.0	< 2.0	NA	NA	NA	NA	NA
01/24/22	399.83	90.02	309.81	7.00	12.7	224	2.71	0.64	< 0.05	< 0.10	< 0.50	< 0.25	< 0.75	< 0.010	< 1.0	< 1.0	NA	NA	NA	NA	NA

Notes:

Values in bold and red exceed MTCA Method A Cleanup Levels.

NM = Not sampled

NA = Not measured

NS = Not analyzed

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NTU = Nephelometric turbidity unit

µmhos/cm = Micromhos per centimeter

°C = Degrees Celsius

J = Laboratory estimated value

DRO = Diesel-range organics

ORO = Oil-range organics

GRO = Gasoline-range organics

EDB = 1,2-dibromoethane

^a Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation (Chapter 173-340 WAC), Tables 720-1, Method A Cleanup Levels for Groundwater.

^b When benzene is present.

^c When benzene is not present.

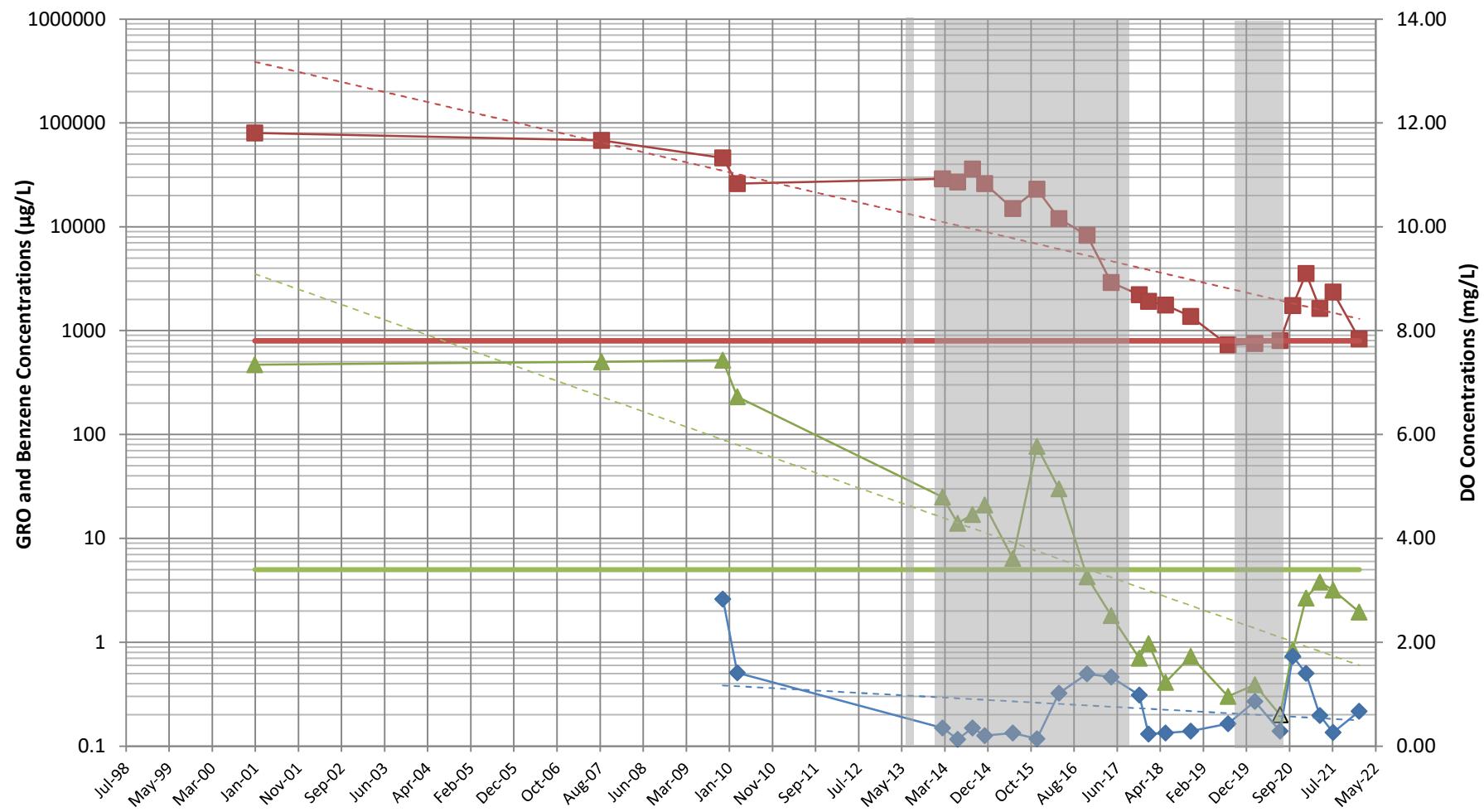
^d Method B cleanup level used because Method A cleanup level is not established. Standard formula values, direct contact Method B groundwater cleanup levels as published on Ecology's Cleanup Level and Risk Calculation (CLARC) on-line database (May 2019).

^e Top of casing elevation was not surveyed; elevation was estimated by Golder Associates, Inc.

^f Estimated elevation.

^g The analyte was not detected at or above the method detection limit (MDL); however, the MDL exceeded the cleanup level.

MW-07



Legend

- | | |
|---|---|
| ■ GRO Concentrations | — GRO Cleanup Level (800 $\mu\text{g}/\text{L}$) |
| ▲ Benzene Concentrations | △ Benzene Non-Detects |
| — Benzene Cleanup Level (5 $\mu\text{g}/\text{L}$) | — DO Concentrations |
| - - - GRO Trendline | - - - Benzene Trendline |
| - - - DO Trendline | ■ IAS - SVE system operating |

FIGURE B-1
GRO and Benzene Concentrations in MW-07
SeaTac Development Site

MW-09

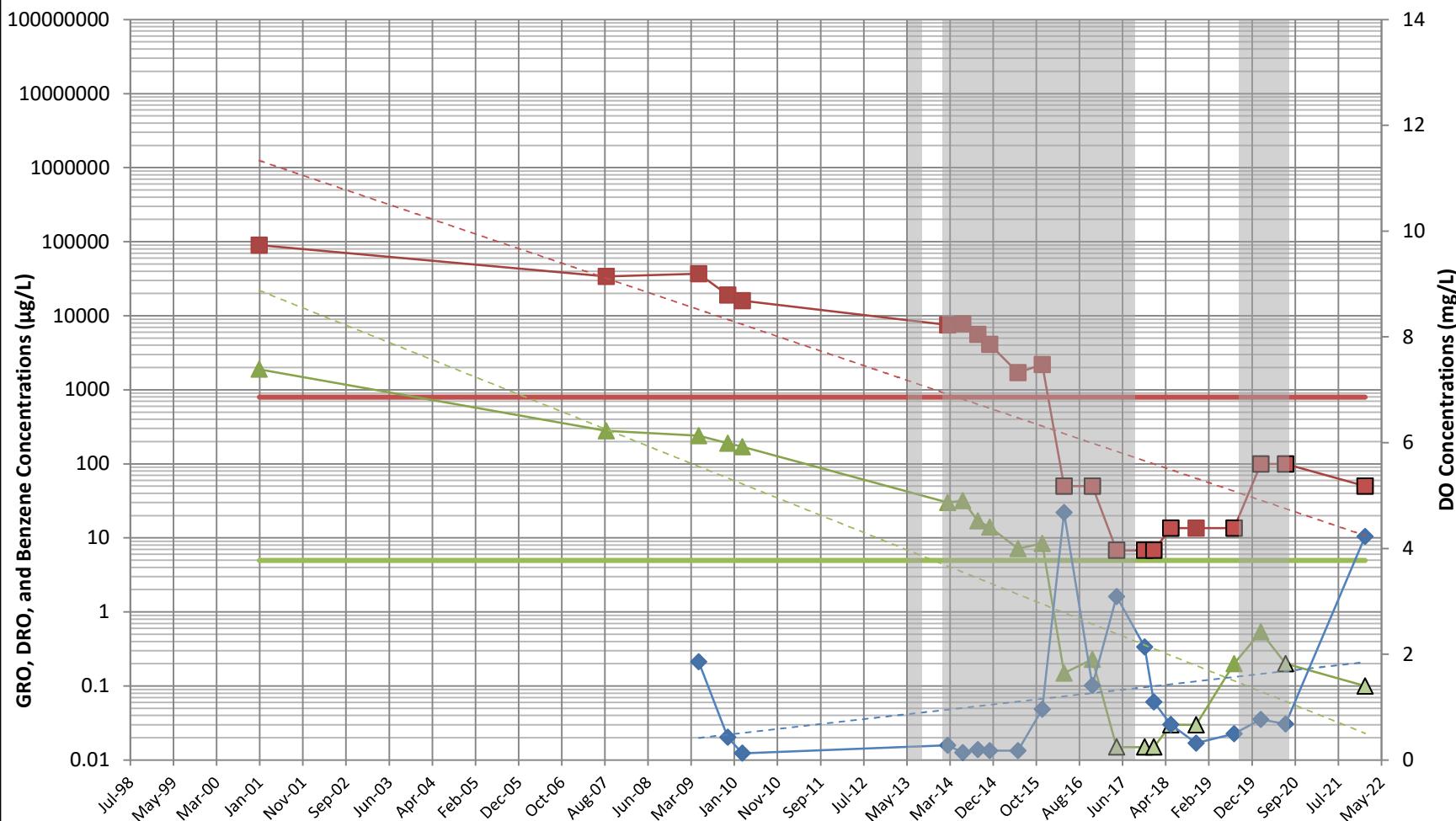
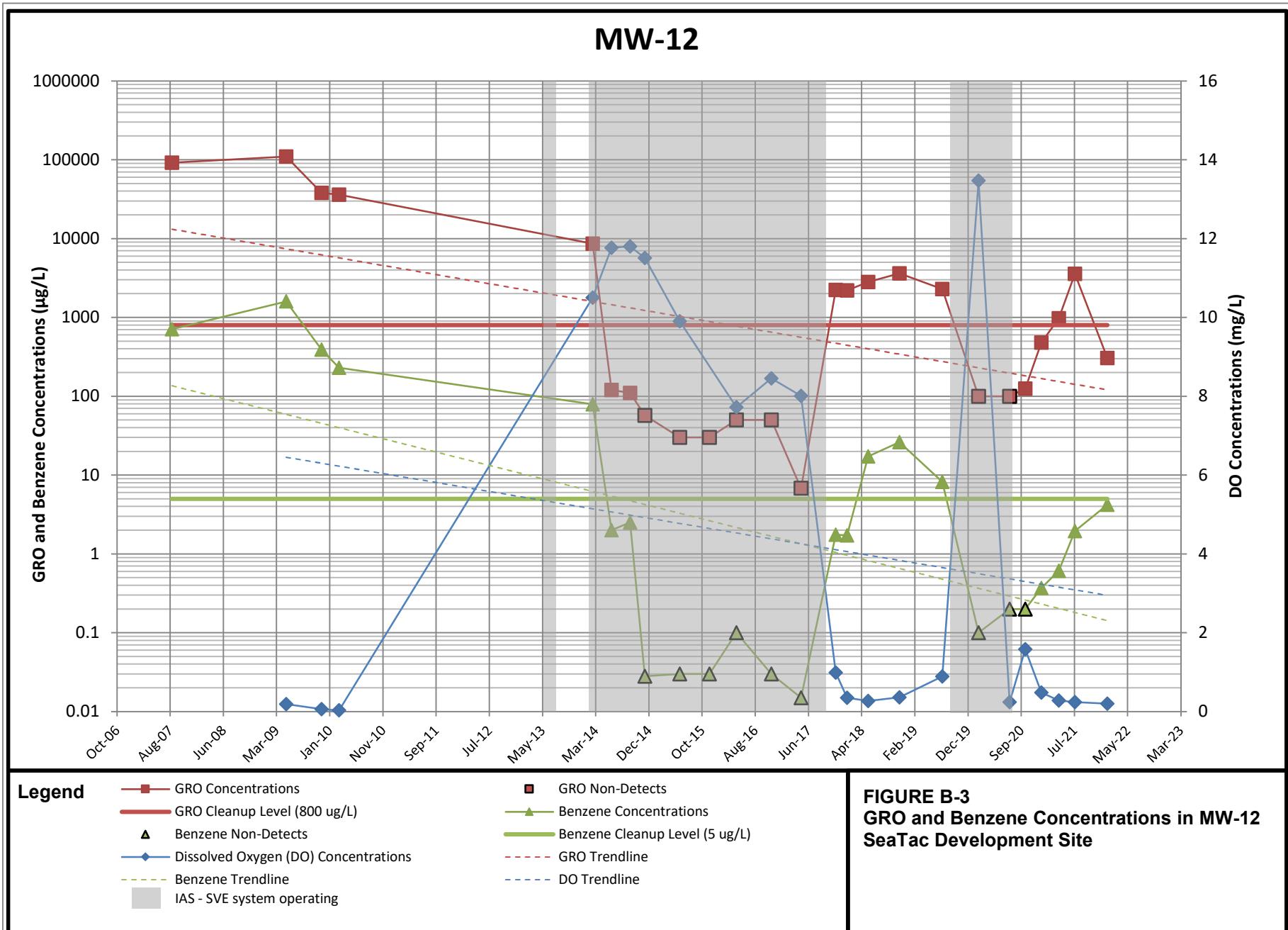
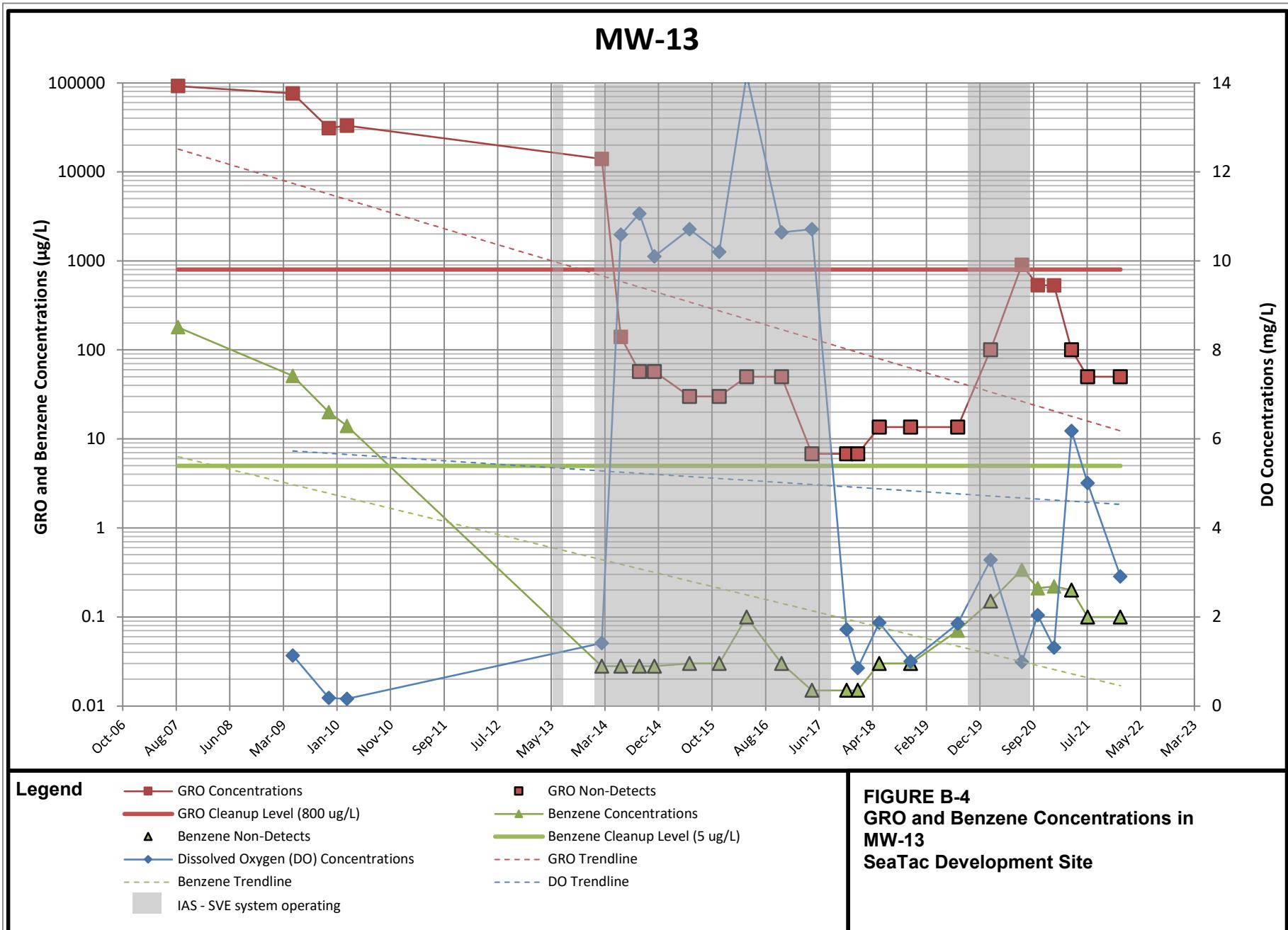
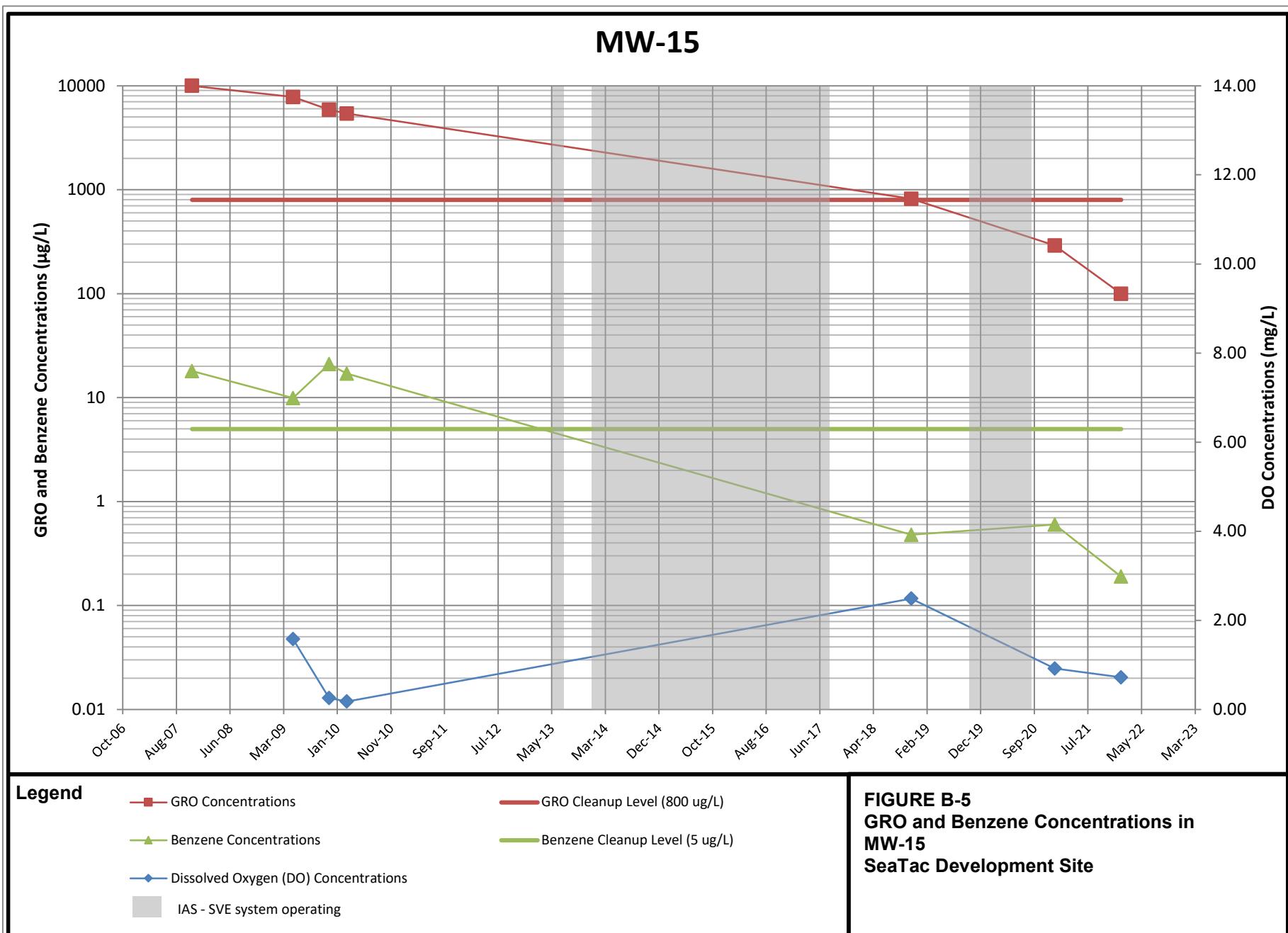
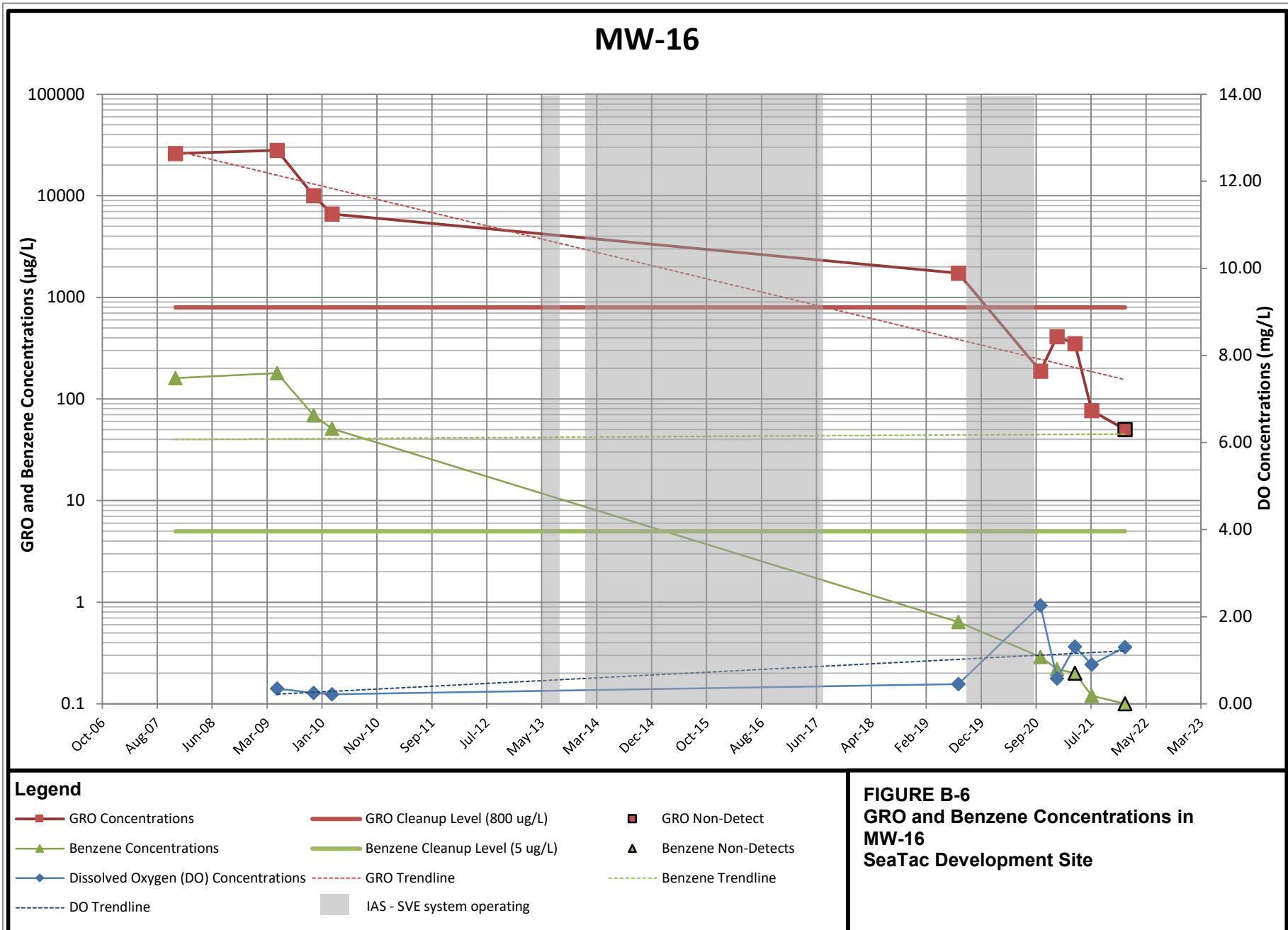


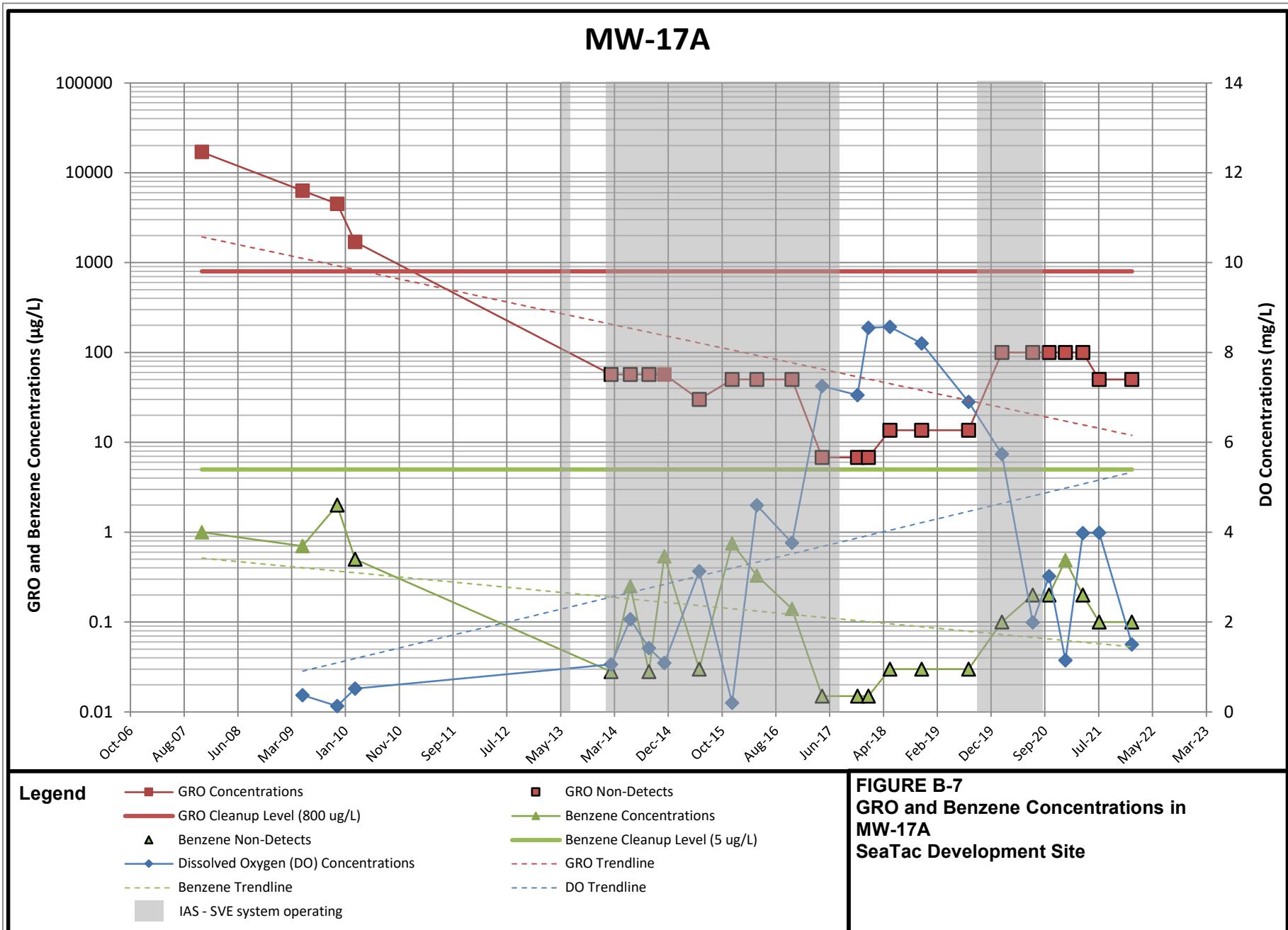
FIGURE B-2
GRO, Benzene, & DRO Concentrations in
MW-09
SeaTac Development Site

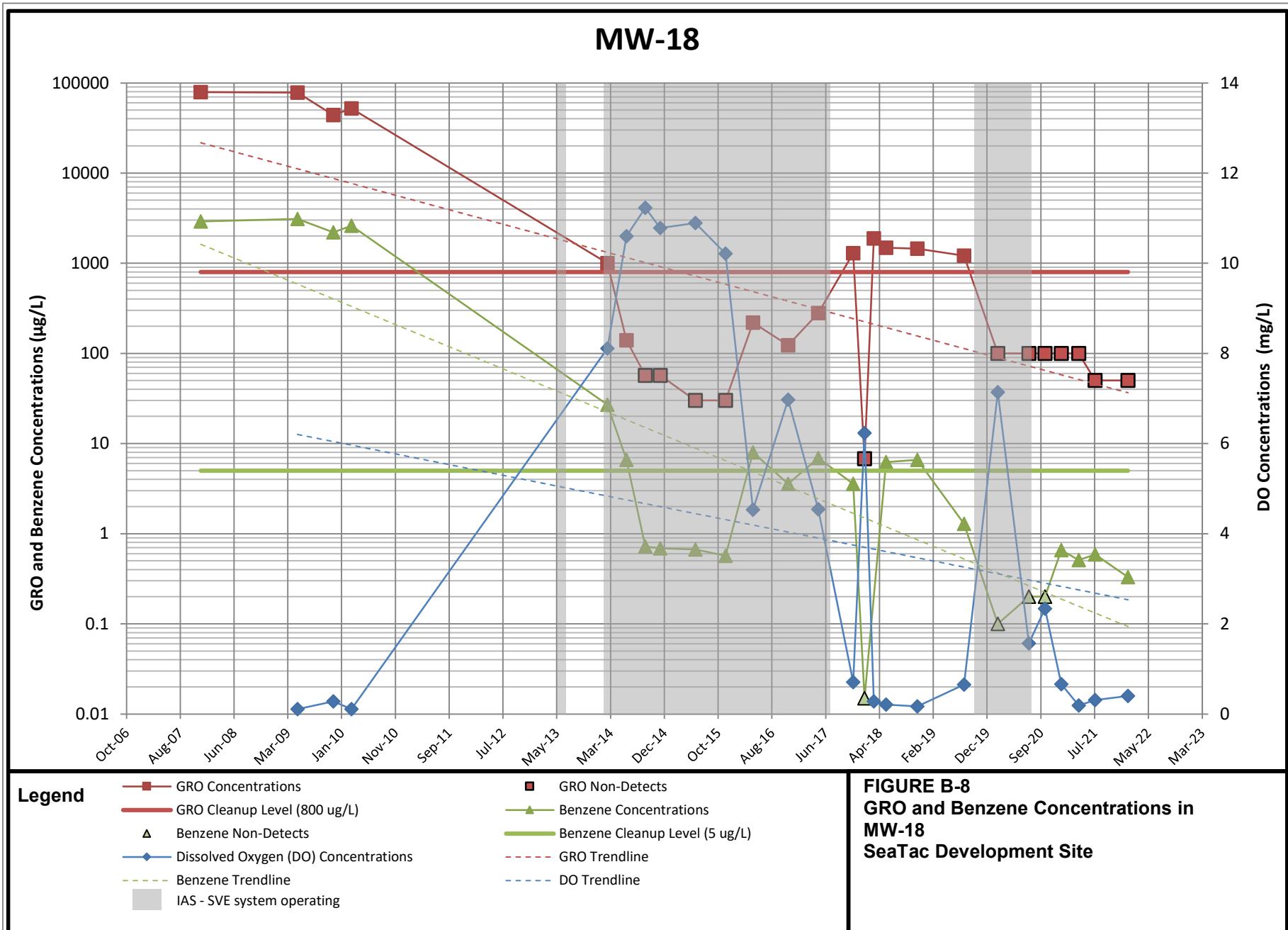




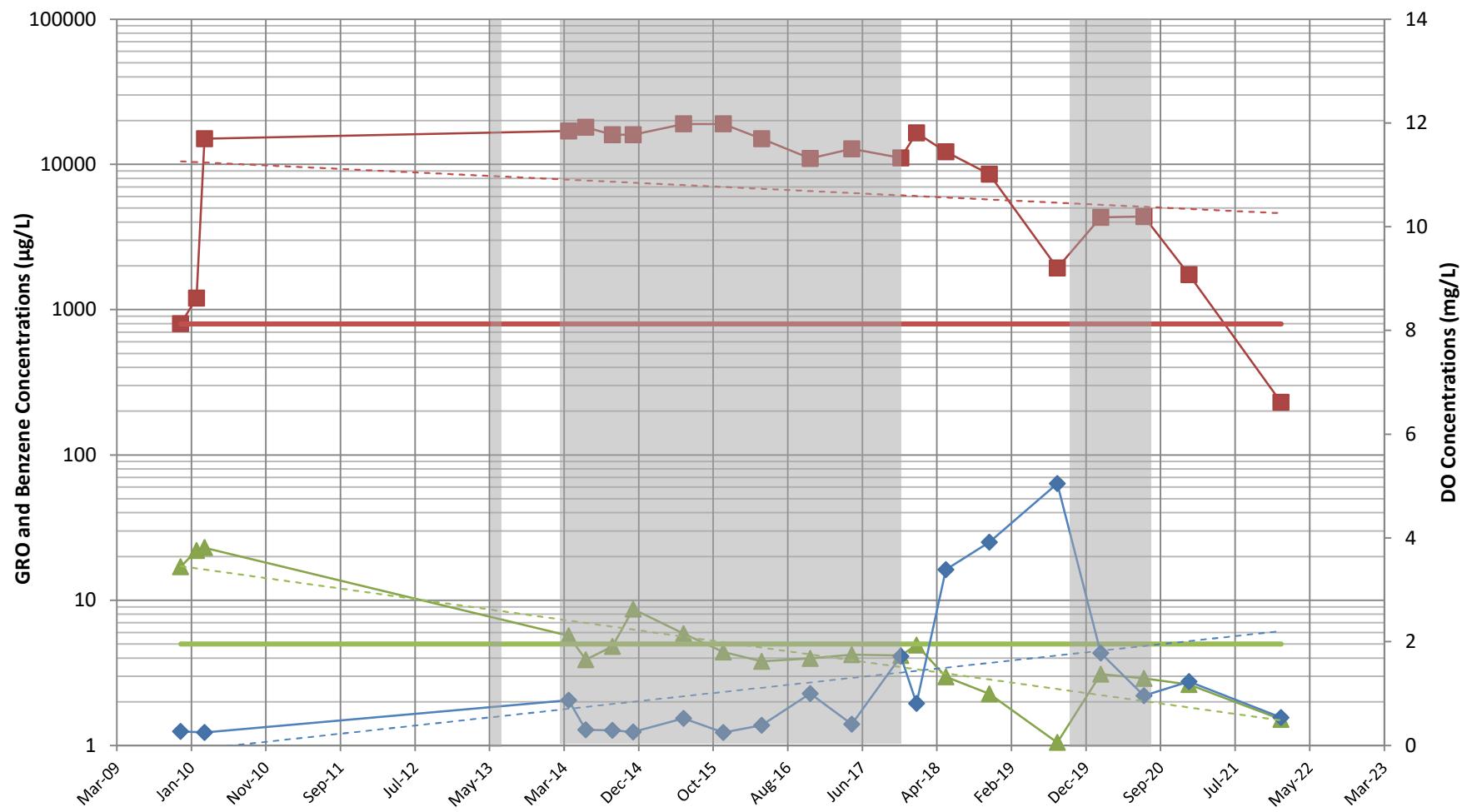








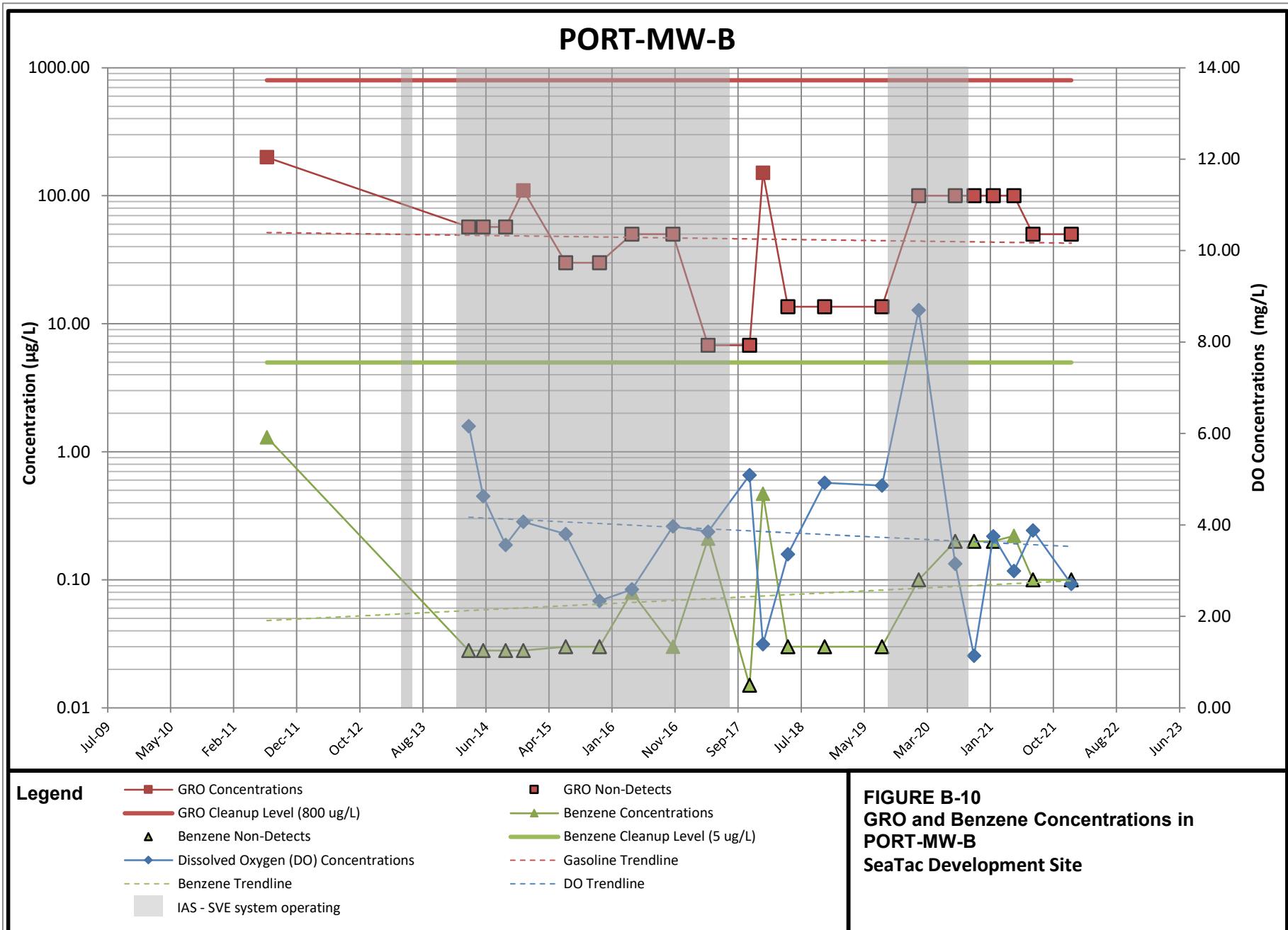
MW-22



Legend

- | | | | |
|-----|--------------------------------------|-----|--------------------------------|
| -■- | GRO Concentrations | -■- | GRO Cleanup Level (800 µg/L) |
| -▲- | Benzene Concentrations | -■- | Benzene Cleanup Level (5 µg/L) |
| -◆- | Dissolved Oxygen (DO) Concentrations | -◆- | DO Trendline |
| -·- | Benzene Trendline | -·- | |
| ■ | IAS - SVE system operating | ■ | |

FIGURE B-9
GRO and Benzene Concentrations in
MW-22
SeaTac Development Site



APPENDIX C

LABORATORY REPORT



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Friday, February 4, 2022

Mike Staton
SLR Corporation-Bothell
22118 20th Ave SE
Bothell, WA 98021

RE: A2A0956 - Sea-Tac Development Site - 128.02207.00003

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2A0956, which was received by the laboratory on 1/26/2022 at 12:00:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1 3.8 degC

This Final Report is the official version of the data results for this sample submission , unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

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Philip Nerenberg, Lab Director

Page 1 of 27



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell

22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development Site

Project Number: 128.02207.00003

Report ID:

Project Manager: Mike Staton

A2A0956 - 02 04 22 1759

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7-0122	A2A0956-01	Water	01/24/22 14:16	01/26/22 12:00
MW-9-0122	A2A0956-02	Water	01/25/22 11:33	01/26/22 12:00
MW-12-0122	A2A0956-03	Water	01/24/22 13:48	01/26/22 12:00
MW-13-0122	A2A0956-04	Water	01/25/22 09:30	01/26/22 12:00
MW-15-0122	A2A0956-05	Water	01/24/22 10:44	01/26/22 12:00
MW-16-0122	A2A0956-06	Water	01/24/22 12:54	01/26/22 12:00
MW-17A-0122	A2A0956-07	Water	01/24/22 12:25	01/26/22 12:00
MW-18-0122	A2A0956-08	Water	01/25/22 10:01	01/26/22 12:00
MW-22-0122	A2A0956-09	Water	01/24/22 10:08	01/26/22 12:00
MW-32-0122	A2A0956-10	Water	01/24/22 13:53	01/26/22 12:00
Port-MW-B-0122	A2A0956-11	Water	01/24/22 11:48	01/26/22 12:00
Equip-Blank-0122	A2A0956-12	Water	01/24/22 14:25	01/26/22 12:00
Trip Blank-0122	A2A0956-13	Water	01/25/22 13:00	01/26/22 12:00

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Philip Nerenberg, Lab Director

Page 2 of 27



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell

22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003

Report ID:

Project Manager: Mike Staton

A2A0956 - 02 04 22 1759

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-7-0122 (A2A0956-01) Matrix: Water Batch: 22A1071								
Gasoline Range Organics	830	50.0	100	ug/L	1	01/29/22 22:53	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 102 %	Limits: 50-150 %	I	01/29/22 22:53	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		99 %	50-150 %	I	01/29/22 22:53	NWTPH-Gx (MS)		
MW-9-0122 (A2A0956-02) Matrix: Water Batch: 22A1071								
Gasoline Range Organics	ND	50.0	100	ug/L	1	01/29/22 23:47	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 95 %	Limits: 50-150 %	I	01/29/22 23:47	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		103 %	50-150 %	I	01/29/22 23:47	NWTPH-Gx (MS)		
MW-12-0122 (A2A0956-03) Matrix: Water Batch: 22A1071								
Gasoline Range Organics	305	50.0	100	ug/L	1	01/30/22 00:13	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 99 %	Limits: 50-150 %	I	01/30/22 00:13	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		102 %	50-150 %	I	01/30/22 00:13	NWTPH-Gx (MS)		
MW-13-0122 (A2A0956-04) Matrix: Water Batch: 22A1071								
Gasoline Range Organics	ND	50.0	100	ug/L	1	01/30/22 00:40	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 95 %	Limits: 50-150 %	I	01/30/22 00:40	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		103 %	50-150 %	I	01/30/22 00:40	NWTPH-Gx (MS)		
MW-15-0122 (A2A0956-05) Matrix: Water Batch: 22A1071								
Gasoline Range Organics	100	50.0	100	ug/L	1	01/30/22 01:07	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	I	01/30/22 01:07	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		103 %	50-150 %	I	01/30/22 01:07	NWTPH-Gx (MS)		
MW-16-0122 (A2A0956-06) Matrix: Water Batch: 22A1071								
Gasoline Range Organics	ND	50.0	100	ug/L	1	01/30/22 01:34	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 95 %	Limits: 50-150 %	I	01/30/22 01:34	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		104 %	50-150 %	I	01/30/22 01:34	NWTPH-Gx (MS)		
MW-17A-0122 (A2A0956-07) Matrix: Water Batch: 22A1071								
Gasoline Range Organics	ND	50.0	100	ug/L	1	01/30/22 02:00	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 95 %	Limits: 50-150 %	I	01/30/22 02:00	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		103 %	50-150 %	I	01/30/22 02:00	NWTPH-Gx (MS)		
MW-18-0122 (A2A0956-08) Matrix: Water Batch: 22A1071								

Apex Laboratories

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell

22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003

Report ID:

Project Manager: Mike Staton

A2A0956 - 02 04 22 1759

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-18-0122 (A2A0956-08) Matrix: Water Batch: 22A1071								
Gasoline Range Organics	ND	50.0	100	ug/L	1	01/30/22 02:27	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 97 %	Limits: 50-150 %	I	01/30/22 02:27	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		103 %	50-150 %	I	01/30/22 02:27	NWTPH-Gx (MS)		
MW-22-0122 (A2A0956-09) Matrix: Water Batch: 22B0002								
Gasoline Range Organics	230	50.0	100	ug/L	1	02/01/22 13:05	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 98 %	Limits: 50-150 %	I	02/01/22 13:05	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		103 %	50-150 %	I	02/01/22 13:05	NWTPH-Gx (MS)		
MW-32-0122 (A2A0956-10) Matrix: Water Batch: 22B0002								
Gasoline Range Organics	362	50.0	100	ug/L	1	02/01/22 13:32	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 101 %	Limits: 50-150 %	I	02/01/22 13:32	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		102 %	50-150 %	I	02/01/22 13:32	NWTPH-Gx (MS)		
Port-MW-B-0122 (A2A0956-11) Matrix: Water Batch: 22B0002								
Gasoline Range Organics	ND	50.0	100	ug/L	1	02/01/22 13:58	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 95 %	Limits: 50-150 %	I	02/01/22 13:58	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		104 %	50-150 %	I	02/01/22 13:58	NWTPH-Gx (MS)		
Equip-Blank-0122 (A2A0956-12) Matrix: Water Batch: 22A1071								
Gasoline Range Organics	ND	50.0	100	ug/L	1	01/29/22 22:00	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 94 %	Limits: 50-150 %	I	01/29/22 22:00	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		104 %	50-150 %	I	01/29/22 22:00	NWTPH-Gx (MS)		
Trip Blank-0122 (A2A0956-13) Matrix: Water Batch: 22A1071								
Gasoline Range Organics	ND	50.0	100	ug/L	1	01/29/22 22:27	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		Recovery: 94 %	Limits: 50-150 %	I	01/29/22 22:27	NWTPH-Gx (MS)		
1,4-Difluorobenzene (Sur)		99 %	50-150 %	I	01/29/22 22:27	NWTPH-Gx (MS)		

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Page 4 of 27



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: **Sea-Tac Development Site**Project Number: **128.02207.00003****Report ID:**Project Manager: **Mike Staton****A2A0956 - 02 04 22 1759**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-7-0122 (A2A0956-01) Matrix: Water Batch: 22A1071								
Benzene	1.95	0.100	0.200	ug/L	1	01/29/22 22:53	EPA 8260D	
Toluene	0.925	0.500	1.00	ug/L	1	01/29/22 22:53	EPA 8260D	J
Ethylbenzene	3.89	0.250	0.500	ug/L	1	01/29/22 22:53	EPA 8260D	
Xylenes, total	4.65	0.750	1.50	ug/L	1	01/29/22 22:53	EPA 8260D	
Naphthalene	3.12	1.00	2.00	ug/L	1	01/29/22 22:53	EPA 8260D	
n-Hexane	ND	2.50	5.00	ug/L	1	01/29/22 22:53	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 108 %</i>		<i>Limits: 80-120 %</i>		<i>I</i>	<i>01/29/22 22:53</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>		<i>I</i>	<i>01/29/22 22:53</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>		<i>I</i>	<i>01/29/22 22:53</i>	<i>EPA 8260D</i>
MW-9-0122 (A2A0956-02) Matrix: Water Batch: 22A1071								
Benzene	ND	0.100	0.200	ug/L	1	01/29/22 23:47	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	01/29/22 23:47	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	01/29/22 23:47	EPA 8260D	
Xylenes, total	ND	0.750	1.50	ug/L	1	01/29/22 23:47	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	01/29/22 23:47	EPA 8260D	
n-Hexane	ND	2.50	5.00	ug/L	1	01/29/22 23:47	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 106 %</i>		<i>Limits: 80-120 %</i>		<i>I</i>	<i>01/29/22 23:47</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>I</i>	<i>01/29/22 23:47</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>		<i>I</i>	<i>01/29/22 23:47</i>	<i>EPA 8260D</i>
MW-12-0122 (A2A0956-03) Matrix: Water Batch: 22A1071								
Benzene	4.21	0.100	0.200	ug/L	1	01/30/22 00:13	EPA 8260D	
Toluene	1.70	0.500	1.00	ug/L	1	01/30/22 00:13	EPA 8260D	
Ethylbenzene	11.6	0.250	0.500	ug/L	1	01/30/22 00:13	EPA 8260D	
Xylenes, total	28.3	0.750	1.50	ug/L	1	01/30/22 00:13	EPA 8260D	
Naphthalene	3.22	1.00	2.00	ug/L	1	01/30/22 00:13	EPA 8260D	
n-Hexane	ND	2.50	5.00	ug/L	1	01/30/22 00:13	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 106 %</i>		<i>Limits: 80-120 %</i>		<i>I</i>	<i>01/30/22 00:13</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>		<i>I</i>	<i>01/30/22 00:13</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>		<i>I</i>	<i>01/30/22 00:13</i>	<i>EPA 8260D</i>
MW-13-0122 (A2A0956-04) Matrix: Water Batch: 22A1071								
Benzene	ND	0.100	0.200	ug/L	1	01/30/22 00:40	EPA 8260D	

Apex Laboratories

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: **Sea-Tac Development Site**Project Number: **128.02207.00003****Report ID:**Project Manager: **Mike Staton****A2A0956 - 02 04 22 1759**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-13-0122 (A2A0956-04)								
Toluene	ND	0.500	1.00	ug/L	1	01/30/22 00:40	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	01/30/22 00:40	EPA 8260D	
Xylenes, total	ND	0.750	1.50	ug/L	1	01/30/22 00:40	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	01/30/22 00:40	EPA 8260D	
n-Hexane	ND	2.50	5.00	ug/L	1	01/30/22 00:40	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 106 %</i>	<i>Limits: 80-120 %</i>	<i>I</i>		<i>01/30/22 00:40</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>	<i>80-120 %</i>	<i>I</i>		<i>01/30/22 00:40</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>	<i>80-120 %</i>	<i>I</i>		<i>01/30/22 00:40</i>	<i>EPA 8260D</i>	
MW-15-0122 (A2A0956-05)								
Benzene	0.193	0.100	0.200	ug/L	1	01/30/22 01:07	EPA 8260D	J
Toluene	ND	0.500	1.00	ug/L	1	01/30/22 01:07	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	01/30/22 01:07	EPA 8260D	
Xylenes, total	ND	0.750	1.50	ug/L	1	01/30/22 01:07	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	01/30/22 01:07	EPA 8260D	
n-Hexane	ND	2.50	5.00	ug/L	1	01/30/22 01:07	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 107 %</i>	<i>Limits: 80-120 %</i>	<i>I</i>		<i>01/30/22 01:07</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>	<i>80-120 %</i>	<i>I</i>		<i>01/30/22 01:07</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>	<i>80-120 %</i>	<i>I</i>		<i>01/30/22 01:07</i>	<i>EPA 8260D</i>	
MW-16-0122 (A2A0956-06)								
Benzene	ND	0.100	0.200	ug/L	1	01/30/22 01:34	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	01/30/22 01:34	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	01/30/22 01:34	EPA 8260D	
Xylenes, total	ND	0.750	1.50	ug/L	1	01/30/22 01:34	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	01/30/22 01:34	EPA 8260D	
n-Hexane	ND	2.50	5.00	ug/L	1	01/30/22 01:34	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 106 %</i>	<i>Limits: 80-120 %</i>	<i>I</i>		<i>01/30/22 01:34</i>	<i>EPA 8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>	<i>80-120 %</i>	<i>I</i>		<i>01/30/22 01:34</i>	<i>EPA 8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>	<i>80-120 %</i>	<i>I</i>		<i>01/30/22 01:34</i>	<i>EPA 8260D</i>	
MW-17A-0122 (A2A0956-07)								
Benzene	ND	0.100	0.200	ug/L	1	01/30/22 02:00	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	01/30/22 02:00	EPA 8260D	

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: **Sea-Tac Development Site**Project Number: **128.02207.00003****Report ID:**Project Manager: **Mike Staton****A2A0956 - 02 04 22 1759**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-17A-0122 (A2A0956-07)								
Ethylbenzene	ND	0.250	0.500	ug/L	1	01/30/22 02:00	EPA 8260D	
Xylenes, total	ND	0.750	1.50	ug/L	1	01/30/22 02:00	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	01/30/22 02:00	EPA 8260D	
n-Hexane	ND	2.50	5.00	ug/L	1	01/30/22 02:00	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 109 %</i>	<i>Limits: 80-120 %</i>	<i>I</i>	<i>01/30/22 02:00</i>	<i>EPA 8260D</i>		
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>	<i>80-120 %</i>	<i>I</i>	<i>01/30/22 02:00</i>	<i>EPA 8260D</i>		
<i>4-Bromofluorobenzene (Surr)</i>		<i>102 %</i>	<i>80-120 %</i>	<i>I</i>	<i>01/30/22 02:00</i>	<i>EPA 8260D</i>		
MW-18-0122 (A2A0956-08)								
Benzene	0.329	0.100	0.200	ug/L	1	01/30/22 02:27	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	01/30/22 02:27	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	01/30/22 02:27	EPA 8260D	
Xylenes, total	ND	0.750	1.50	ug/L	1	01/30/22 02:27	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	01/30/22 02:27	EPA 8260D	
n-Hexane	ND	2.50	5.00	ug/L	1	01/30/22 02:27	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 109 %</i>	<i>Limits: 80-120 %</i>	<i>I</i>	<i>01/30/22 02:27</i>	<i>EPA 8260D</i>		
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>	<i>80-120 %</i>	<i>I</i>	<i>01/30/22 02:27</i>	<i>EPA 8260D</i>		
<i>4-Bromofluorobenzene (Surr)</i>		<i>104 %</i>	<i>80-120 %</i>	<i>I</i>	<i>01/30/22 02:27</i>	<i>EPA 8260D</i>		
MW-22-0122 (A2A0956-09)								
Benzene	1.51	0.100	0.200	ug/L	1	02/01/22 13:05	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	02/01/22 13:05	EPA 8260D	
Ethylbenzene	1.14	0.250	0.500	ug/L	1	02/01/22 13:05	EPA 8260D	
Xylenes, total	ND	0.750	1.50	ug/L	1	02/01/22 13:05	EPA 8260D	
Naphthalene	13.2	1.00	2.00	ug/L	1	02/01/22 13:05	EPA 8260D	
n-Hexane	ND	1.00	2.00	ug/L	1	02/01/22 13:05	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 108 %</i>	<i>Limits: 80-120 %</i>	<i>I</i>	<i>02/01/22 13:05</i>	<i>EPA 8260D</i>		
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>	<i>80-120 %</i>	<i>I</i>	<i>02/01/22 13:05</i>	<i>EPA 8260D</i>		
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>	<i>80-120 %</i>	<i>I</i>	<i>02/01/22 13:05</i>	<i>EPA 8260D</i>		
MW-32-0122 (A2A0956-10)								
Benzene	4.29	0.100	0.200	ug/L	1	02/01/22 13:32	EPA 8260D	
Toluene	1.68	0.500	1.00	ug/L	1	02/01/22 13:32	EPA 8260D	
Ethylbenzene	12.1	0.250	0.500	ug/L	1	02/01/22 13:32	EPA 8260D	

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ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: **Sea-Tac Development Site**Project Number: **128.02207.00003****Report ID:**Project Manager: **Mike Staton****A2A0956 - 02 04 22 1759**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-32-0122 (A2A0956-10)								
Xylenes, total	29.4	0.750	1.50	ug/L	1	02/01/22 13:32	EPA 8260D	
Naphthalene	3.49	1.00	2.00	ug/L	1	02/01/22 13:32	EPA 8260D	
n-Hexane	1.28	1.00	2.00	ug/L	1	02/01/22 13:32	EPA 8260D	J
Surrogate: 1,4-Difluorobenzene (Surr)			Recovery: 106 %	Limits: 80-120 %	1	02/01/22 13:32	EPA 8260D	
Toluene-d8 (Surr)			100 %	80-120 %	1	02/01/22 13:32	EPA 8260D	
4-Bromoefluorobenzene (Surr)			99 %	80-120 %	1	02/01/22 13:32	EPA 8260D	
Port-MW-B-0122 (A2A0956-11)								
Benzene	ND	0.100	0.200	ug/L	1	02/01/22 13:58	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	02/01/22 13:58	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	02/01/22 13:58	EPA 8260D	
Xylenes, total	ND	0.750	1.50	ug/L	1	02/01/22 13:58	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	02/01/22 13:58	EPA 8260D	
n-Hexane	ND	1.00	2.00	ug/L	1	02/01/22 13:58	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)			Recovery: 109 %	Limits: 80-120 %	1	02/01/22 13:58	EPA 8260D	
Toluene-d8 (Surr)			101 %	80-120 %	1	02/01/22 13:58	EPA 8260D	
4-Bromoefluorobenzene (Surr)			102 %	80-120 %	1	02/01/22 13:58	EPA 8260D	
Equip-Blank-0122 (A2A0956-12)								
Benzene	ND	0.100	0.200	ug/L	1	01/29/22 22:00	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	01/29/22 22:00	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	01/29/22 22:00	EPA 8260D	
Xylenes, total	ND	0.750	1.50	ug/L	1	01/29/22 22:00	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	01/29/22 22:00	EPA 8260D	
n-Hexane	ND	2.50	5.00	ug/L	1	01/29/22 22:00	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)			Recovery: 107 %	Limits: 80-120 %	1	01/29/22 22:00	EPA 8260D	
Toluene-d8 (Surr)			101 %	80-120 %	1	01/29/22 22:00	EPA 8260D	
4-Bromoefluorobenzene (Surr)			101 %	80-120 %	1	01/29/22 22:00	EPA 8260D	
Trip Blank-0122 (A2A0956-13)								
Benzene	ND	0.100	0.200	ug/L	1	01/29/22 22:27	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	01/29/22 22:27	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	01/29/22 22:27	EPA 8260D	
Xylenes, total	ND	0.750	1.50	ug/L	1	01/29/22 22:27	EPA 8260D	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003Report ID:Project Manager: Mike StatonA2A0956 - 02 04 22 1759

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Trip Blank-0122 (A2A0956-13)								
Naphthalene	ND	1.00	2.00	ug/L	1	01/29/22 22:27	EPA 8260D	
n-Hexane	ND	2.50	5.00	ug/L	1	01/29/22 22:27	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	<i>109 %</i>	<i>Limits:</i>	<i>80-120 %</i>	<i>I</i>	<i>01/29/22 22:27</i>	<i>EPA 8260D</i>
<i>Toluene-d8 (Surr)</i>			<i>100 %</i>		<i>80-120 %</i>	<i>I</i>	<i>01/29/22 22:27</i>	<i>EPA 8260D</i>
<i>4-Bromofluorobenzene (Surr)</i>			<i>104 %</i>		<i>80-120 %</i>	<i>I</i>	<i>01/29/22 22:27</i>	<i>EPA 8260D</i>

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ANALYTICAL REPORT

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SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003Report ID:Project Manager: Mike StatonA2A0956 - 02 04 22 1759

ANALYTICAL SAMPLE RESULTS

1,2-Dibromoethane (EDB) by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-7-0122 (A2A0956-01) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0460	0.0460	ug/L	1	02/02/22 13:38	EPA 8260D SIM	R-02
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 103 %	Limits: 70-130 %	1	02/02/22 13:38	EPA 8260D SIM		
Toluene-d8 (Surr)		101 %	70-130 %	1	02/02/22 13:38	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		97 %	70-130 %	1	02/02/22 13:38	EPA 8260D SIM		
MW-9-0122 (A2A0956-02) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	02/02/22 14:05	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 103 %	Limits: 70-130 %	1	02/02/22 14:05	EPA 8260D SIM		
Toluene-d8 (Surr)		100 %	70-130 %	1	02/02/22 14:05	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		97 %	70-130 %	1	02/02/22 14:05	EPA 8260D SIM		
MW-12-0122 (A2A0956-03) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0200	0.0200	ug/L	1	02/02/22 14:58	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 104 %	Limits: 70-130 %	1	02/02/22 14:58	EPA 8260D SIM		
Toluene-d8 (Surr)		100 %	70-130 %	1	02/02/22 14:58	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		96 %	70-130 %	1	02/02/22 14:58	EPA 8260D SIM		
MW-13-0122 (A2A0956-04) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	02/02/22 15:25	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 103 %	Limits: 70-130 %	1	02/02/22 15:25	EPA 8260D SIM		
Toluene-d8 (Surr)		100 %	70-130 %	1	02/02/22 15:25	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		96 %	70-130 %	1	02/02/22 15:25	EPA 8260D SIM		
MW-15-0122 (A2A0956-05) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	02/02/22 15:52	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 103 %	Limits: 70-130 %	1	02/02/22 15:52	EPA 8260D SIM		
Toluene-d8 (Surr)		100 %	70-130 %	1	02/02/22 15:52	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		96 %	70-130 %	1	02/02/22 15:52	EPA 8260D SIM		
MW-16-0122 (A2A0956-06) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0200	0.0200	ug/L	1	02/02/22 16:19	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 103 %	Limits: 70-130 %	1	02/02/22 16:19	EPA 8260D SIM		
Toluene-d8 (Surr)		101 %	70-130 %	1	02/02/22 16:19	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		95 %	70-130 %	1	02/02/22 16:19	EPA 8260D SIM		

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

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6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell

22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003

Report ID:

Project Manager: Mike Staton

A2A0956 - 02 04 22 1759

ANALYTICAL SAMPLE RESULTS

1,2-Dibromoethane (EDB) by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-17A-0122 (A2A0956-07) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	02/02/22 16:46	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 103 %	Limits: 70-130 %	I	02/02/22 16:46	EPA 8260D SIM		
Toluene-d8 (Surr)		100 %	70-130 %	I	02/02/22 16:46	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		97 %	70-130 %	I	02/02/22 16:46	EPA 8260D SIM		
MW-18-0122 (A2A0956-08) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	02/02/22 17:13	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 104 %	Limits: 70-130 %	I	02/02/22 17:13	EPA 8260D SIM		
Toluene-d8 (Surr)		100 %	70-130 %	I	02/02/22 17:13	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		97 %	70-130 %	I	02/02/22 17:13	EPA 8260D SIM		
MW-22-0122 (A2A0956-09) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	02/02/22 17:39	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 104 %	Limits: 70-130 %	I	02/02/22 17:39	EPA 8260D SIM		
Toluene-d8 (Surr)		101 %	70-130 %	I	02/02/22 17:39	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		96 %	70-130 %	I	02/02/22 17:39	EPA 8260D SIM		
MW-32-0122 (A2A0956-10) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0200	0.0200	ug/L	1	02/02/22 18:06	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 104 %	Limits: 70-130 %	I	02/02/22 18:06	EPA 8260D SIM		
Toluene-d8 (Surr)		100 %	70-130 %	I	02/02/22 18:06	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		95 %	70-130 %	I	02/02/22 18:06	EPA 8260D SIM		
Port-MW-B-0122 (A2A0956-11) Matrix: Water Batch: 22B0058								
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	02/02/22 18:33	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 103 %	Limits: 70-130 %	I	02/02/22 18:33	EPA 8260D SIM		
Toluene-d8 (Surr)		100 %	70-130 %	I	02/02/22 18:33	EPA 8260D SIM		
4-Bromofluorobenzene (Surr)		97 %	70-130 %	I	02/02/22 18:33	EPA 8260D SIM		

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ANALYTICAL REPORT

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ORELAP ID: OR100062

SLR Corporation-Bothell

22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003

Report ID:

Project Manager: Mike Staton

A2A0956 - 02 04 22 1759

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD RPD Limit	Notes
Batch 22A1071 - EPA 5030B											
Blank (22A1071-BLK1)											
<u>NWTPH-Gx (MS)</u>											
Gasoline Range Organics	ND	50.0	100	ug/L	1	---	---	---	---	---	---
Surr: 4-Bromofluorobenzene (Sur)											
Recovery: 95 % Limits: 50-150 % Dilution: 1x											
I,4-Difluorobenzene (Sur)											
103 % 50-150 % "											
LCS (22A1071-BS2)											
Prepared: 01/29/22 14:36 Analyzed: 01/29/22 15:45											
<u>NWTPH-Gx (MS)</u>											
Gasoline Range Organics	429	50.0	100	ug/L	1	500	---	86	80-120%	---	---
Surr: 4-Bromofluorobenzene (Sur)											
Recovery: 97 % Limits: 50-150 % Dilution: 1x											
I,4-Difluorobenzene (Sur)											
101 % 50-150 % "											
Duplicate (22A1071-DUP1)											
Prepared: 01/29/22 13:25 Analyzed: 01/29/22 20:13											
<u>QC Source Sample: Non-SDG (A2A0899-10)</u>											
Gasoline Range Organics	97.8	50.0	100	ug/L	1	---	94.3	---	---	4	30%
Surr: 4-Bromofluorobenzene (Sur)											
Recovery: 97 % Limits: 50-150 % Dilution: 1x											
I,4-Difluorobenzene (Sur)											
104 % 50-150 % "											
Duplicate (22A1071-DUP2)											
Prepared: 01/29/22 13:25 Analyzed: 01/29/22 23:20											
<u>QC Source Sample: MW-7-0122 (A2A0956-01)</u>											
<u>NWTPH-Gx (MS)</u>											
Gasoline Range Organics	856	50.0	100	ug/L	1	---	830	---	---	3	30%
Surr: 4-Bromofluorobenzene (Sur)											
Recovery: 101 % Limits: 50-150 % Dilution: 1x											
I,4-Difluorobenzene (Sur)											
101 % 50-150 % "											
Batch 22B0002 - EPA 5030B											
Blank (22B0002-BLK1)											
Prepared: 02/01/22 07:30 Analyzed: 02/01/22 09:58											
<u>NWTPH-Gx (MS)</u>											
Gasoline Range Organics	ND	50.0	100	ug/L	1	---	---	---	---	---	---
Surr: 4-Bromofluorobenzene (Sur)											
Recovery: 96 % Limits: 50-150 % Dilution: 1x											
I,4-Difluorobenzene (Sur)											
105 % 50-150 % "											
Duplicate (22B0002-DUP1)											
Prepared: 02/01/22 08:03 Analyzed: 02/01/22 11:18											

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

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6700 S.W. Sandburg Street

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503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell

22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003

Report ID:

Project Manager: Mike Staton

A2A0956 - 02 04 22 1759

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD RPD Limit	Notes
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Batch 22B0002 - EPA 5030B

Water

Duplicate (22B0002-DUP1) Prepared: 02/01/22 08:03 Analyzed: 02/01/22 11:18

QC Source Sample: Non-SDG (A2A0868-01)

Gasoline Range Organics	ND	50.0	100	ug/L	1	---	ND	---	---	---	30%
Surr: 4-Bromofluorobenzene (Sur)			Recovery: 96 %	Limits: 50-150 %			Dilution: 1x				
1,4-Difluorobenzene (Sur)			106 %	50-150 %			"				

Duplicate (22B0002-DUP2)

Prepared: 02/01/22 08:03 Analyzed: 02/01/22 17:06

QC Source Sample: Non-SDG (A2A1014-07)

Gasoline Range Organics	ND	50.0	100	ug/L	1	---	ND	---	---	---	30%
Surr: 4-Bromofluorobenzene (Sur)			Recovery: 96 %	Limits: 50-150 %			Dilution: 1x				
1,4-Difluorobenzene (Sur)			104 %	50-150 %			"				

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003

Report ID:

Project Manager: Mike Staton

A2A0956 - 02 04 22 1759

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-----------------	-------	----------	--------------	---------------	-------	--------------	-----	-----------	-------

Batch 22A1071 - EPA 5030B**Water****Blank (22A1071-BLK1)**

Prepared: 01/29/22 14:36 Analyzed: 01/29/22 16:39

EPA 8260D

Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---
Xylenes, total	ND	0.750	1.50	ug/L	1	---	---	---	---	---	---
Naphthalene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---
n-Hexane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---

Surr: 1,4-Difluorobenzene (Surr)

Recovery: 107 % Limits: 80-120 % Dilution: 1x

Toluene-d8 (Surr)

102 % 80-120 %

4-Bromofluorobenzene (Surr)

103 % 80-120 %

LCS (22A1071-BS1)

Prepared: 01/29/22 14:36 Analyzed: 01/29/22 15:14

EPA 8260D

Benzene	20.1	0.100	0.200	ug/L	1	20.0	---	101	80-120%	---	---
Toluene	19.4	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---
Ethylbenzene	19.3	0.250	0.500	ug/L	1	20.0	---	97	80-120%	---	---
Xylenes, total	56.1	0.750	1.50	ug/L	1	60.0	---	94	80-120%	---	---
Naphthalene	18.3	1.00	2.00	ug/L	1	20.0	---	91	80-120%	---	---
n-Hexane	20.1	2.50	5.00	ug/L	1	20.0	---	100	80-120%	---	---

Surr: 1,4-Difluorobenzene (Surr)

Recovery: 106 % Limits: 80-120 % Dilution: 1x

Toluene-d8 (Surr)

99 % 80-120 %

4-Bromofluorobenzene (Surr)

96 % 80-120 %

Duplicate (22A1071-DUP1)

Prepared: 01/29/22 13:25 Analyzed: 01/29/22 20:13

QC Source Sample: Non-SDG (A2A0899-10)

Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%
Xylenes, total	ND	0.750	1.50	ug/L	1	---	ND	---	---	---	30%
Naphthalene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%
n-Hexane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%

Surr: 1,4-Difluorobenzene (Surr)

Recovery: 108 % Limits: 80-120 % Dilution: 1x

Toluene-d8 (Surr)

99 % 80-120 %

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ANALYTICAL REPORT

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003

Report ID:

Project Manager: Mike Staton

A2A0956 - 02 04 22 1759

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD RPD	Limit Notes
---------	--------	-----------------	-----------------	-------	----------	--------------	---------------	-------	--------------	---------	-------------

Batch 22A1071 - EPA 5030B**Water****Duplicate (22A1071-DUP1)**

Prepared: 01/29/22 13:25 Analyzed: 01/29/22 20:13

QC Source Sample: Non-SDG (A2A0899-10)

Sur: 4-Bromofluorobenzene (Sur)

Recovery: 97 %

Limits: 80-120 %

Dilution: 1x

Duplicate (22A1071-DUP2)

Prepared: 01/29/22 13:25 Analyzed: 01/29/22 23:20

QC Source Sample: MW-7-0122 (A2A0956-01)EPA 8260D

Benzene	1.96	0.100	0.200	ug/L	1	---	1.95	---	---	0.7	30%
Toluene	0.962	0.500	1.00	ug/L	1	---	0.925	---	---	4	30%
Ethylbenzene	4.11	0.250	0.500	ug/L	1	---	3.89	---	---	5	30%
Xylenes, total	4.75	0.750	1.50	ug/L	1	---	4.65	---	---	2	30%
Naphthalene	3.25	1.00	2.00	ug/L	1	---	3.12	---	---	4	30%
n-Hexane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%

Sur: 1,4-Difluorobenzene (Sur)

Recovery: 106 %

Limits: 80-120 %

Dilution: 1x

Toluene-d8 (Sur)

99 %

Limits: 80-120 %

4-Bromofluorobenzene (Sur)

98 %

Limits: 80-120 %

"

"

Matrix Spike (22A1071-MS1)

Prepared: 01/29/22 13:25 Analyzed: 01/30/22 02:54

QC Source Sample: MW-18-0122 (A2A0956-08)EPA 8260D

Benzene	22.7	0.100	0.200	ug/L	1	20.0	0.329	112	79-120%	---	---
Toluene	21.0	0.500	1.00	ug/L	1	20.0	ND	105	80-121%	---	---
Ethylbenzene	21.0	0.250	0.500	ug/L	1	20.0	ND	105	79-121%	---	---
Xylenes, total	60.4	0.750	1.50	ug/L	1	60.0	ND	101	79-121%	---	---
Naphthalene	17.7	1.00	2.00	ug/L	1	20.0	ND	88	61-128%	---	---
n-Hexane	24.1	2.50	5.00	ug/L	1	20.0	ND	121	48-143%	---	---

Sur: 1,4-Difluorobenzene (Sur)

Recovery: 106 %

Limits: 80-120 %

Dilution: 1x

Toluene-d8 (Sur)

98 %

Limits: 80-120 %

4-Bromofluorobenzene (Sur)

97 %

Limits: 80-120 %

"

"

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ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: **Sea-Tac Development Site**Project Number: **128.02207.00003****Report ID:**Project Manager: **Mike Staton****A2A0956 - 02 04 22 1759**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-----------------	-------	----------	--------------	---------------	-------	--------------	-----	-----------	-------

Batch 22B0002 - EPA 5030B**Water****Blank (22B0002-BLK1)**

Prepared: 02/01/22 07:30 Analyzed: 02/01/22 09:58

EPA 8260D

Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---
Xylenes, total	ND	0.750	1.50	ug/L	1	---	---	---	---	---	---
Naphthalene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---
n-Hexane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---

Surr: 1,4-Difluorobenzene (Surr)

Recovery: 109 % Limits: 80-120 % Dilution: 1x

Toluene-d8 (Surr)

102 % 80-120 %

4-Bromofluorobenzene (Surr)

104 % 80-120 %

LCS (22B0002-BS1)

Prepared: 02/01/22 07:30 Analyzed: 02/01/22 08:55

EPA 8260D

Benzene	20.6	0.100	0.200	ug/L	1	20.0	---	103	80-120%	---	---
Toluene	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---
Ethylbenzene	19.7	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---
Xylenes, total	57.0	0.750	1.50	ug/L	1	60.0	---	95	80-120%	---	---
Naphthalene	16.0	1.00	2.00	ug/L	1	20.0	---	80	80-120%	---	---
n-Hexane	20.9	1.00	2.00	ug/L	1	20.0	---	105	80-120%	---	---

Surr: 1,4-Difluorobenzene (Surr)

Recovery: 106 % Limits: 80-120 % Dilution: 1x

Toluene-d8 (Surr)

98 % 80-120 %

4-Bromofluorobenzene (Surr)

96 % 80-120 %

Duplicate (22B0002-DUP1)

Prepared: 02/01/22 08:03 Analyzed: 02/01/22 11:18

QC Source Sample: Non-SDG (A2A0868-01)

Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%
Xylenes, total	ND	0.750	1.50	ug/L	1	---	ND	---	---	---	30%
Naphthalene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%
n-Hexane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%

Surr: 1,4-Difluorobenzene (Surr)

Recovery: 109 % Limits: 80-120 % Dilution: 1x

Toluene-d8 (Surr)

99 % 80-120 %

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ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: **Sea-Tac Development Site**Project Number: **128.02207.00003****Report ID:**Project Manager: **Mike Staton****A2A0956 - 02 04 22 1759**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD RPD	Limit Notes
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Batch 22B0002 - EPA 5030B**Water****Duplicate (22B0002-DUP1)**

Prepared: 02/01/22 08:03 Analyzed: 02/01/22 11:18

QC Source Sample: Non-SDG (A2A0868-01)

Sur: 4-Bromofluorobenzene (Sur)

Recovery: 101 %

Limits: 80-120 %

Dilution: 1x

Duplicate (22B0002-DUP2)

Prepared: 02/01/22 08:03 Analyzed: 02/01/22 17:06

QC Source Sample: Non-SDG (A2A1014-07)

Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%
Xylenes, total	ND	0.750	1.50	ug/L	1	---	ND	---	---	---	30%
Naphthalene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%
n-Hexane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%
Sur: 1,4-Difluorobenzene (Sur)		Recovery: 110 %		Limits: 80-120 %		Dilution: 1x					
		101 %		80-120 %							
		4-Bromofluorobenzene (Sur)		103 %		80-120 %					

Matrix Spike (22B0002-MS1)

Prepared: 02/01/22 08:03 Analyzed: 02/01/22 12:11

QC Source Sample: Non-SDG (A2A0868-02)EPA 8260D

Benzene	22.4	0.100	0.200	ug/L	1	20.0	ND	112	79-120%	---	---
Toluene	20.8	0.500	1.00	ug/L	1	20.0	ND	104	80-121%	---	---
Ethylbenzene	20.8	0.250	0.500	ug/L	1	20.0	ND	104	79-121%	---	---
Xylenes, total	39.6	0.750	1.50	ug/L	1	60.0	ND	66	79-121%	---	---
Naphthalene	11.9	1.00	2.00	ug/L	1	20.0	ND	60	61-128%	---	---
n-Hexane	25.5	1.00	2.00	ug/L	1	20.0	ND	127	48-143%	---	---
Sur: 1,4-Difluorobenzene (Sur)		Recovery: 107 %		Limits: 80-120 %		Dilution: 1x					
		98 %		80-120 %							
		4-Bromofluorobenzene (Sur)		95 %		80-120 %					

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ANALYTICAL REPORT

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6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell

22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003

Report ID:

Project Manager: Mike Staton

A2A0956 - 02 04 22 1759

QUALITY CONTROL (QC) SAMPLE RESULTS

1,2-Dibromoethane (EDB) by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD RPD Limit	Notes
Batch 22B0058 - EPA 5030B											
Blank (22B0058-BLK1)											
<u>EPA 8260D SIM</u>											
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---
Surr: 1,4-Difluorobenzene (Surr)											
Recovery: 101 % Limits: 80-120 % Dilution: 1x											
Toluene-d8 (Surr)											
99 % 80-120 % "											
4-Bromofluorobenzene (Surr)											
97 % 80-120 % "											
LCS (22B0058-BS1)											
Prepared: 02/02/22 08:06 Analyzed: 02/02/22 11:15											
<u>EPA 8260D SIM</u>											
1,2-Dibromoethane (EDB)	0.181	0.0100	0.0200	ug/L	1	0.200	---	91	80-120%	---	---
Surr: 1,4-Difluorobenzene (Surr)											
Recovery: 104 % Limits: 80-120 % Dilution: 1x											
Toluene-d8 (Surr)											
99 % 80-120 % "											
4-Bromofluorobenzene (Surr)											
96 % 80-120 % "											
Duplicate (22B0058-DUP1)											
Prepared: 02/02/22 09:20 Analyzed: 02/02/22 14:31											
<u>QC Source Sample: MW-9-0122 (A2A0956-02)</u>											
<u>EPA 8260D SIM</u>											
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%
Surr: 1,4-Difluorobenzene (Surr)											
Recovery: 103 % Limits: 80-120 % Dilution: 1x											
Toluene-d8 (Surr)											
100 % 80-120 % "											
4-Bromofluorobenzene (Surr)											
97 % 80-120 % "											
Matrix Spike (22B0058-MS1)											
Prepared: 02/02/22 09:20 Analyzed: 02/02/22 19:00											
<u>QC Source Sample: Port-MW-B-0122 (A2A0956-11)</u>											
<u>EPA 8260D SIM</u>											
1,2-Dibromoethane (EDB)	0.181	0.0100	0.0200	ug/L	1	0.200	ND	91	77-121%	---	---
Surr: 1,4-Difluorobenzene (Surr)											
Recovery: 104 % Limits: 80-120 % Dilution: 1x											
Toluene-d8 (Surr)											
100 % 80-120 % "											
4-Bromofluorobenzene (Surr)											
96 % 80-120 % "											

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: **Sea-Tac Development Site**Project Number: **128.02207.00003****Report ID:**Project Manager: **Mike Staton****A2A0956 - 02 04 22 1759**

SAMPLE PREPARATION INFORMATION

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 22A1071</u>							
A2A0956-01	Water	NWTPH-Gx (MS)	01/24/22 14:16	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-02	Water	NWTPH-Gx (MS)	01/25/22 11:33	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-03	Water	NWTPH-Gx (MS)	01/24/22 13:48	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-04	Water	NWTPH-Gx (MS)	01/25/22 09:30	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-05	Water	NWTPH-Gx (MS)	01/24/22 10:44	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-06	Water	NWTPH-Gx (MS)	01/24/22 12:54	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-07	Water	NWTPH-Gx (MS)	01/24/22 12:25	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-08	Water	NWTPH-Gx (MS)	01/25/22 10:01	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-12	Water	NWTPH-Gx (MS)	01/24/22 14:25	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-13	Water	NWTPH-Gx (MS)	01/25/22 13:00	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
<u>Batch: 22B0002</u>							
A2A0956-09	Water	NWTPH-Gx (MS)	01/24/22 10:08	02/01/22 08:03	5mL/5mL	5mL/5mL	1.00
A2A0956-10	Water	NWTPH-Gx (MS)	01/24/22 13:53	02/01/22 08:03	5mL/5mL	5mL/5mL	1.00
A2A0956-11	Water	NWTPH-Gx (MS)	01/24/22 11:48	02/01/22 08:03	5mL/5mL	5mL/5mL	1.00

Selected Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 22A1071</u>							
A2A0956-01	Water	EPA 8260D	01/24/22 14:16	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-02	Water	EPA 8260D	01/25/22 11:33	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-03	Water	EPA 8260D	01/24/22 13:48	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-04	Water	EPA 8260D	01/25/22 09:30	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-05	Water	EPA 8260D	01/24/22 10:44	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-06	Water	EPA 8260D	01/24/22 12:54	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-07	Water	EPA 8260D	01/24/22 12:25	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-08	Water	EPA 8260D	01/25/22 10:01	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-12	Water	EPA 8260D	01/24/22 14:25	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
A2A0956-13	Water	EPA 8260D	01/25/22 13:00	01/29/22 13:25	5mL/5mL	5mL/5mL	1.00
<u>Batch: 22B0002</u>							
A2A0956-09	Water	EPA 8260D	01/24/22 10:08	02/01/22 08:03	5mL/5mL	5mL/5mL	1.00
A2A0956-10	Water	EPA 8260D	01/24/22 13:53	02/01/22 08:03	5mL/5mL	5mL/5mL	1.00
A2A0956-11	Water	EPA 8260D	01/24/22 11:48	02/01/22 08:03	5mL/5mL	5mL/5mL	1.00

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ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003Report ID:Project Manager: Mike StatonA2A0956 - 02 04 22 1759

SAMPLE PREPARATION INFORMATION

1,2-Dibromoethane (EDB) by EPA 8260D SIM

Prep: EPA 5030B		Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 22B0058</u>		Water	EPA 8260D SIM	01/24/22 14:16	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00
A2A0956-01	Water	EPA 8260D SIM	01/25/22 11:33	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00	
A2A0956-03	Water	EPA 8260D SIM	01/24/22 13:48	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00	
A2A0956-04	Water	EPA 8260D SIM	01/25/22 09:30	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00	
A2A0956-05	Water	EPA 8260D SIM	01/24/22 10:44	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00	
A2A0956-06	Water	EPA 8260D SIM	01/24/22 12:54	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00	
A2A0956-07	Water	EPA 8260D SIM	01/24/22 12:25	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00	
A2A0956-08	Water	EPA 8260D SIM	01/25/22 10:01	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00	
A2A0956-09	Water	EPA 8260D SIM	01/24/22 10:08	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00	
A2A0956-10	Water	EPA 8260D SIM	01/24/22 13:53	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00	
A2A0956-11	Water	EPA 8260D SIM	01/24/22 11:48	02/02/22 09:20	5mL/5mL	5mL/5mL	1.00	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

SLR Corporation-Bothell

22118 20th Ave SE

Bothell, WA 98021

Project: **Sea-Tac Development Site**

Project Number: **128.02207.00003**

Report ID:

Project Manager: **Mike Staton**

A2A0956 - 02 04 22 1759

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

J Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.

Q-01 Spike recovery and/or RPD is outside acceptance limits.

R-02 The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

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A handwritten signature in black ink that reads "Philip Nerenberg". The signature is fluid and cursive, with "Philip" on top and "Nerenberg" on the bottom.

Philip Nerenberg, Lab Director

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

- DET Analyte DETECTED at or above the detection or reporting limit.
ND Analyte NOT DETECTED at or above the detection or reporting limit.
NR Result Not Reported
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).

If no value is listed ('----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

- Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.
- "dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.
- "wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.
- " " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

- "---" QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- "***" Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to $\frac{1}{2}$ the Reporting Limit (RL).

-For Blank hits falling between $\frac{1}{2}$ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.

-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.

For further details, please request a copy of this document.

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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A2A0956 - 02 04 22 1759

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)

EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
<u>All reported analytes are included in Apex Laboratories' current ORELAP scope.</u>					

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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ORELAP ID: QR100062

SLR Corporation-Bothell

**22118 20th Ave SE
Bothell, WA 98021**

Project: [Sea-Tac Development Site](#)

Project Number: **128.02207.00003**

Project Manager: **Mike Staton**

Report ID:

A2A0956 - 02 04 22 1759

CHAIN OF CUSTODY							Lab # A2A0956 COC 1 of 2
Company: SIR	Project Mgr: Mike Stanton	Project Name: SeaTac Development Site	Phone: (405) 402-8000	Email: rstabin@streamlining.com	Project #: 128-02027-000003	PO #	
ANALYSIS REQUEST							
Site Location: OR (WA) CA AK ID _____	SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	Frozen Archive
MW-7-0122	12/24/22	11:46	AM	X	5	8082 PCBs	CDE by 6/26/23
MW-9-0122	12/25/22	11:33				RCCA Metrics (8)	CDL Metrics (8)
MW-12-0122	12/24/22	13:46				Priority Metrics (13)	TCLP Metrics (8)
MW-13-0122	12/25/22	4:30				AL-Sbs, BAs, Be, Cd, Cr, Cu, Fe, Pb, Sb, Ag, Mn, Mo, Ni, Zn	TOTAL Diss. TCLP
MW-15-0122	12/24/22	10:44				Hg, Mg, Mn, Mo, Ni, Zn	
MW-16-0122	12/24/22	11:54				Cd, Cr, Cu, Fe, Cd, Hg, Mg, Mn, Mo, Ni, Zn	
MW-17A-0122	12/24/22	12:25					
MW-18-0122	12/25/22	10:01					
MW-19-0122	12/24/22	10:25					
MW-20-0122	12/24/22	13:53					
Standard Turn Around Time (TAT) <u>10 Business Days</u>							
TAT Requested (circle)	1 Day	2 Day	3 Day				
	5 Day	Standard	Other: _____				
SAMPLES ARE HELD FOR 30 DAYS							
RELINQUISHED BY:	RECEIVED BY:	RECEIVED BY:	RECEIVED BY:				
Signature:	Date: 12/25/22	Signature:	Date: 12/26/22	Signature:	Date: 12/26/22	Signature:	Date: 12/26/22
Printed Name: APOLLO LCO	Time: 14:00	Printed Name:	Time: 12:00	Printed Name:	Time: 12:00	Printed Name:	Time: 12:00
Company:				Company:		Company:	

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Philip Nerenberg, Lab Director



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Project Number: **128.02207.00003**

Project Manager: **Mike Staton**

Report ID:

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APEX LABS CHAIN OF CUSTODY									
Company: SLR		Project Mgr: Mike Stanton	Project Name: SeaTac Development Site	PO #:		Project #: 128.02207.00003		Lab #: A2A0956 COC 2 of 2	
Address: 2218 20th Ave SE, Ste 6202, Bellevue		Phone: (425) 462-8888	Email: mstanton@slrconsulting.com						
Sampled by: Steven Lohken and Spencer Lo									
ANALYSIS REQUEST									
Site Location: OR OR CA AK ID _____		SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	RCRRA Metals (8)	Priority Metals (13)
Part - 612		1/24/12	11:49	5:45pm	x	x	NWTPH-GX	Hg, Cd, Pb, Zn, As, Cu, Cr, Mn, Ni, Fe, Mo, Sb, Ag, Tl, V, K, Hg, Me, Pb, Cr, Co, Cu, Fe, Cd, Al, Sb, As, Be, Cd, TOTAl, Diss, TCIP, TCLP Metals (6)	EDB 31 8260D 3/24
Cap - Blank - 0122		1/24/12	11:15	1:45pm	x	x			
Tip Blank - 0122		1/25/12	13:45	1:45pm	x	x			
SPECIAL INSTRUCTIONS:									
Standard Turn Around Time (TAT) = 10 Business Days									
TAT Requested (circle)	1 Day	2 Day	3 Day			Include Method and Remarks by Method		RECEIVED BY:	
	5 Day	Standard	Other: _____			Signature: _____ Date: _____		Signature: _____ Date: _____	
SAMPLES ARE HELD FOR 30 DAYS									
RELINQUISHED BY:	Signature:	Date: 1-25-12	RECEIVED BY:	Signature:	Date: 1/24/12	RECEIVED BY:	Signature: _____	Date: _____	
Printed Name: Steven Lohken	Time: 1/24/12	Printed Name:	Time: 1/24/12	Printed Name: _____	Time: _____	Printed Name: _____	Time: _____	Printed Name: _____	
Company: SLR	Other: After	Company:	Other: 12:00	Company: _____	Other: _____	Company: _____	Other: _____	Company: _____	

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22118 20th Ave SE
Bothell, WA 98021Project: Sea-Tac Development SiteProject Number: 128.02207.00003

Report ID:

Project Manager: Mike Staton

A2A0956 - 02 04 22 1759

APEX LABS COOLER RECEIPT FORMClient: SLR Element WO#: A2 A0956Project/Project #: SeaTac Development Site**Delivery Info:**Date/time received: 1/26/22 @ 12:00 By: ZAMDelivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other **Cooler Inspection** Date/time inspected: 1/26/22 @ 12:00 By: ZAMChain of Custody included? Yes No Custody seals? Yes No Signed/dated by client? Yes No Signed/dated by Apex? Yes No

Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
-----------	-----------	-----------	-----------	-----------	-----------	-----------

Temperature (°C)

3.8

Received on ice? (Y/N)

Y

Temp. blanks? (Y/N)

N

Ice type: (Gel/Real/Other)

Real

Condition:

Good

Cooler out of temp? (Y/N) Possible reason why:

Green dots applied to out of temperature samples? Yes Out of temperature samples form initiated? Yes **Sample Inspection:** Date/time inspected: 1/27/22 @ 17:45 By: ZAMAll samples intact? Yes No Comments:ZAM 1/27/22ZAM 1/27/22Bottle labels/COCs agree? Yes No Comments: Quantity of trip blanks records x 5.
Received are correct 1.COC/container discrepancies form initiated? Yes No Containers/volumes received appropriate for analysis? Yes No Comments:Do VOA vials have visible headspace? Yes No NA

Comments

Water samples: pH checked: Yes No NA pH appropriate? Yes No NA

Comments:

Additional information: TB # 3030

Labeled by:

ZAM

Witness:

MAS

Cooler Inspected by:

ZAM

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