SLR International Corporation
1800 Blankenship Road, Suite 440, West Linn, Oregon, 97068

April 26, 2024

Attention: Frank P. Winslow, LHG
Department of Ecology
Toxics Cleanup Program, Central Region Office
Sent via email: frank.winslow@ecy.wa.gov

SLR Project No.: 108.00228.00065

RE: 2023 Annual Groundwater Monitoring Report
Jeld-Wen/Former Nord Door Site, Everett, WA

SLR International Corporation (SLR) has prepared the following Annual Groundwater Monitoring Report on behalf of JELD-WEN, Inc. for the Jeld Wen Site located in Everett, Washington (FSID Number: 2757; CSID Number: 4402). Groundwater monitoring activities were performed per the July 2022 *Groundwater Monitoring Sampling and Analysis Plan* (SAP).

SLR performed the annual groundwater monitoring event on August 29, 2023, in addition to monthly monitoring and product removal. The following tasks were completed as part of the annual groundwater monitoring event: depth-to-water measurements at site monitoring wells, groundwater sample collection at select groundwater monitoring wells, and product assessment at deep groundwater monitoring wells. The site monitoring well network is depicted on Figure 1.

Depth-to-Water Measurements

Depth-to-water measurements were measured at all but five of the site monitoring wells using an electronic water level device. Monitoring wells MW-12 to MW-14 and MW-18, located in the Knoll Area, as well as MW-16 were not measured due to obstructions restricting access. The monument for monitoring well MW-11B was damaged and could also not be opened during the event. SLR returned to the Site on October 4, 2023, and was able to open the monument for MW-11B, record depth-to-water, and perform a product assessment; however, the depth-to-water measurement for MW-11B from October 4 was not used to estimate groundwater contours. Groundwater elevations were calculated using previously surveyed top-of-casing elevations and are presented in Table 1, and estimated groundwater contours and shallow zone flow direction are shown on Figure 1. Groundwater contours and estimated flow direction were consistent with historical events and overall flow is estimated to be to the north-northeast; however, nearshore monitoring wells appear to be influenced by tidal conditions.

Groundwater Sampling

Groundwater sampling was conducted at the following site monitoring wells: MW-4, MW-6, MW-7, MW-15, and MW-19 per the SAP (see Figure 1). Groundwater samples were collected using low-flow purge and collection methods. Field data sheets are provided as Appendix A and water quality parameters are included in Table 2. Groundwater purge water is stored in labelled 55-gallon drums pending offsite disposal.

Groundwater Analytical Results

Groundwater analytical results are presented in Table 3 and Table 4, and copies of laboratory analytical reports are included as Appendix B. Cumulative analytical results are presented in Tables A1 through A8 and are included as Appendix D.

Polychlorinated dibenzo-p-dioxins and dibenzofurans (Dioxins/Furans) were not measured in MW-6 or MW-7 above the screening level for Dioxins/Furans Toxic Equivalency (TEQ) of 57 picograms per Liter (pg/L), which is the Cleanup Level (CUL) from the 2023 Cleanup Action Plan (CAP) based on the laboratory practical quantitation limit (PQL). Carcinogenic Polyaromatic Hydrocarbons (cPAHs) were not measured above the screening level for cPAH TEQ of 0.015 micrograms per Liter (µg/L), which is the CUL from the 2023 CAP based on the laboratory PQL.

Toxicity Equivalency Factors (TEFs) used to calculate the TEQ values were sourced from Washington Administrative Code (WAC) 173-340-900; Table 708-1 for Dioxins/Furans, and Table 708-2 for cPAHs.

Product Assessment

A product assessment with electronic water-product level device and disposable bailers was conducted at deep groundwater monitoring wells MW-8B, MW-9B, MW-10B, and MW-11B during the annual sampling event. Measurable product as dense non-aqueous phase liquid (DNAPL) was observed consistently at deep monitoring well MW-8B and sporadically at MW-10B, similar to previous events. The presence of product was not observed at any other deep monitoring well.

Product assessments were performed at MW-8B and MW-10B monthly and observations were similar to what was observed during the annual event (i.e., consistent measurable product in MW-8B, occasional minimal/blebs observed at MW-10B). Monthly measurements for 2023 are summarized on Table 5.

Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) summaries of field and laboratory protocols are included in Appendix C. The overall data is considered usable for the intended purposes and will be imported to Ecology's Environmental Information Management (EIM) database. Field activities were performed in accordance with the SAP.

Derivations from the SAP include being unable to collect depth-to-water measurements at all Site monitoring wells. The wells that were not gauged are primarily located in the Knoll Area, which is hydraulically separated from the area of the Site which contains the monitoring wells that were sampled as part of this assessment.

Conclusion

The findings from this annual groundwater monitoring event are considered routine and no follow-up assessment or modifications to the SAP are proposed for ongoing annual groundwater monitoring events. However, due to potential building demolition activities by others, JELD-WEN is hereby providing notice to Ecology that the monthly product removal events may need to be

paused until building demolition activities are completed due to access restrictions and health & safety concern. Ecology will be notified if such a pause is to occur.

Regards,

SLR International Corporation

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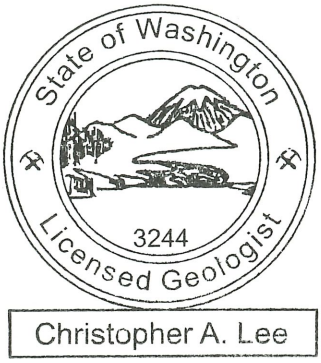
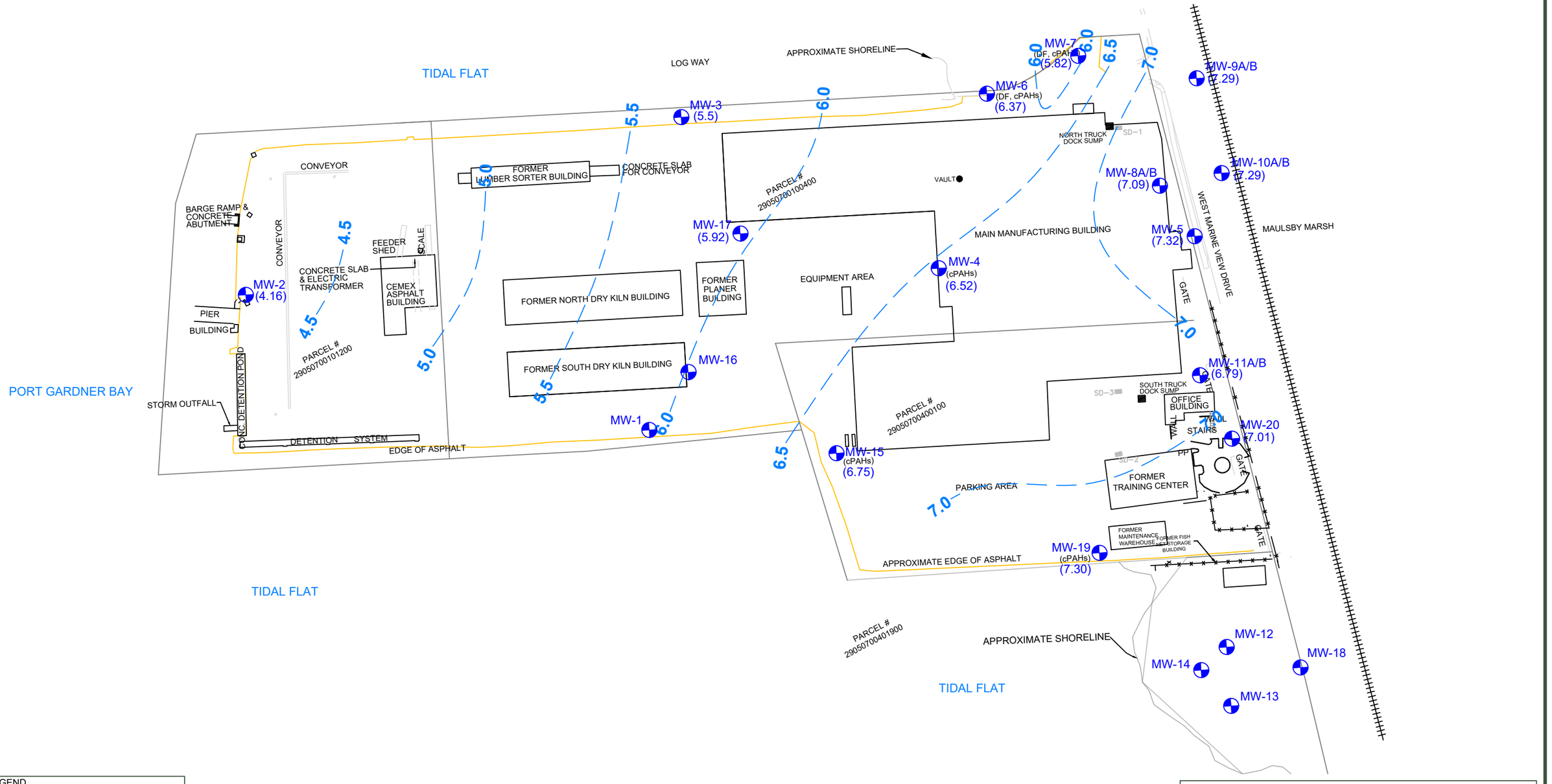


Attachments
Figures
Tables
Appendix A – Field Notes
Appendix B – Laboratory Analytical Reports
Appendix C – Data Validation Summary
Appendix D – Cumulative Groundwater Monitoring Summary

cc Eric Rapp, JELD-WEN, Inc.

Figures



LEGEND

MW-1 EXISTING MONITORING WELL

NOTES

THE BUILDINGS, SURFACE UTILITIES, EDGE OF PAVEMENT, AND APPROXIMATE SHORELINE SHOWN ON THIS MAP ARE BASED ON A 2006 SURVEY PERFORMED BY WH PACIFIC.

0 200 400 600'

SLR

JELD-WEN/ FORMER NORD DOOR FACILITY
300 WEST MARINE VIEW DRIVE
EVERETT, WASHINGTON

Report
GROUNDWATER MONITORING REPORT 2023

Drawing
SHALLOW GROUNDWATER ELEVATIONS

Date	November 2023	Scale	AS SHOWN
File Name	SW_SITE PLAN_NORD_2023	Project No.	108.00228.00063

Fig. No. 1

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Tables

Table 1: Groundwater Elevations
Annual Groundwater Monitoring - 2023
Jeld Wen Site
Everett, Washington

Monitoring Well (TOC Elevation)	Date	Depth to Water (Feet Below TOC)	Groundwater Elevation (Feet Above MSL)
MW-1 (12.55)	8/29/2023	6.05	6.50
MW-2 (12.64)	8/29/2023	8.48	4.16
MW-3 (11.45)	8/29/2023	5.95	5.50
MW-4 (12.26)	8/29/2023	5.74	6.52
MW-5 (11.87)	8/29/2023	4.55	7.32
MW-6 (12.31)	8/29/2023	5.94	6.37
MW-7 (12.53)	8/29/2023	6.71	5.82
MW-8A (11.45)	8/29/2023	4.36	7.09
MW-8B (11.48)	8/29/2023	4.42	7.06
MW-9A (11.57)	8/29/2023	4.28	7.29
MW-9B (11.52)	8/29/2023	4.21	7.31
MW-10A (10.71)	8/29/2023	3.42	7.29
MW-10B (10.72)	8/29/2023	3.23	7.49
MW-11A (11.91)	8/29/2023	5.12	6.79
MW-11B (11.97) [1]	10/4/2023	4.34	7.63
MW-12 (29.34)	8/29/2023	NM	-
MW-13 (28.27)	8/29/2023	NM	-
MW-14 (26.37)	8/29/2023	NM	-
MW-15 (11.85)	8/29/2023	5.10	6.75
MW-16 (12.50)	8/29/2023	NM	-
MW-17 (12.20)	8/29/2023	6.28	5.92
MW-18 (15.87)	8/29/2023	NM	-
MW-19 (11.57)	8/29/2023	4.27	7.30
MW-20 (11.89)	8/29/2023	4.88	7.01

Notes

Top of Casing (TOC) elevations surveyed by W&H Pacific in November 2006 and Signature Surveying & Mapping in October 2015, July 2019, and October 2019

NM indicates well was not measured

1 - MW-11B measured at a later date. Groundwater elevation not used for contouring.

Table 2: Water Quality Parameters
Annual Groundwater Monitoring - 2023
Jeld Wen Site
Everett, Washington

Sample ID	Sample Date	Temperature (^{o}C)	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)
MW-4	8/29/2023	18	400	2.2	6.9	193
MW-6	8/29/2023	19	26,200	0.54	5.9	207
MW-7	8/29/2023	19	700	0.10	6.5	139
MW-15	8/29/2023	22	6,600	0.06	6.5	95
MW-19	8/29/2023	22	9,880	0.08	6.1	149

Notes
Field parameters collected per EPA Low Flow purging protocol with a calibrated multi-parameter meter
DO indicates Dissolved Oxygen
ORP indicates Oxidation Reduction Potential

Table 3: Groundwater Analytical Summary - Dioxins
Annual Groundwater Monitoring - 2023
Jeld Wen Site
Everett, Washington

Lab Sample ID	CUL [a]	B8371_20449_DF_001						B8371_20449_DF_002					
Field Sample ID		MW-06-0823						MW-07-0823					
Date Collected		8/29/2023						8/29/2023					
Analytes		Value	Qual	TEF	U=0	U=1/2RL	U=RL	Value	Qual	TEF	U=0	U=1/2RL	U=RL
Dioxins and Furans per 1613 Method													
2,3,7,8-TCDD	-	< 4.59		1	0	2.30	4.59	< 3.1		1	0	1.55	3.10
1,2,3,7,8-PeCDD	-	< 3.8		1	0	1.90	3.80	< 2.2		1	0	1.10	2.20
1,2,3,4,7,8-HxCDD	-	< 2.96		0.1	0	0.15	0.30	< 3.41		0.1	0	0.17	0.34
1,2,3,6,7,8-HxCDD	-	< 2.94		0.1	0	0.15	0.29	< 3.52		0.1	0	0.18	0.35
1,2,3,7,8,9-HxCDD	-	< 3.23		0.1	0	0.16	0.32	< 3.61		0.1	0	0.18	0.36
1,2,3,4,6,7,8-HpCDD	-	< 4.34		0.01	0	0.02	0.04	8.84	J	0.01	0.09	0.09	0.09
OCDD	-	< 5.5		0.0003	0	0.001	0.002	53.2		0.0003	0.02	0.02	0.02
2,3,7,8-TCDF	-	< 2.41		0.1	0	0.12	0.24	< 2.3		0.1	0	0.12	0.23
1,2,3,7,8-PeCDF	-	< 2.32		0.03	0	0.03	0.07	< 1.55		0.03	0	0.02	0.05
2,3,4,7,8-PeCDF	-	< 2.26		0.3	0	0.34	0.68	< 1.47		0.3	0	0.22	0.44
1,2,3,4,7,8-HxCDF	-	< 2.37		0.1	0	0.12	0.24	< 1.36		0.1	0	0.07	0.14
1,2,3,6,7,8-HxCDF	-	< 2.4		0.1	0	0.12	0.24	< 1.34		0.1	0	0.07	0.13
2,3,4,6,7,8-HxCDF	-	< 2.52		0.1	0	0.13	0.25	< 1.42		0.1	0	0.07	0.14
1,2,3,7,8,9-HxCDF	-	< 3.14		0.1	0	0.16	0.31	< 1.88		0.1	0	0.09	0.19
1,2,3,4,6,7,8-HpCDF	-	< 2.7		0.01	0	0.01	0.03	< 1.35		0.01	0	0.01	0.01
1,2,3,4,7,8,9-HpCDF	-	< 3.28		0.01	0	0.02	0.03	< 1.65		0.01	0	0.01	0.02
OCDF	-	< 2.62		0.0003	0	0.0004	0.001	< 2.88		0.0003	0	0.0004	0.001
TEQ [b]	57	-		-	0	5.7	11	-		-	0.10	4.0	7.8

Notes:
All values in picograms per liter (pg/L) or parts per quadrillion (ppq)
Bold indicates measured above laboratory method detection limit (MDL)
Shading indicates measured above Screening Level Value
<X.XX indicates not detected above the laboratory detection limit of X.XX pg/L
a - Cleanup Level (CUL) from the Cleanup Action Plan (2023)
b - TEQ is sum of concentrations multiplied by TEF values per MTCA Table 708-1 using non-detect as 0 (U=0), using non-detect as 1/2 of laboratory reporting limit (U=1/2RL), and using non-detect as laboratory reporting limit (U=RL)

Laboratory Qualifiers:
J - Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve) and is an estimated value.

Table 4: Groundwater Analytical Summary - Carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs)
Annual Groundwater Monitoring - 2023
Jeld Wen Site
Everett, Washington

Lab Sample ID	CUL [a]	23I0031-01 (Water)						23I0031-02 (Water)						23I0031-03 (Water)						23I0031-04 (Water)						23I0031-05 (Water)					
Field Sample ID		MW-04-0823						MW-06-0823						MW-07-0823						MW-15-0823						MW-19-0823					
Date Collected		8/29/2023						8/29/2023						8/29/2023						8/29/2023						8/29/2023					
Analytes		Value	Qual	TEF	U=0	U=1/2RL	U=RL	Value	Qual	TEF	U=0	U=1/2RL	U=RL	Value	Qual	TEF	U=0	U=1/2RL	U=RL	Value	Qual	TEF	U=0	U=1/2RL	U=RL	Value	Qual	TEF	U=0	U=1/2RL	U=RL
Carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs) per 8270E-SIM Method																															
Benzo[a]anthracene	-	< 0.006		0.1	0	0.0003	0.001	< 0.006		0.1	0	0.0003	0.001	< 0.006		0.1	0	0.0003	0.001	< 0.006		0.1	0	0.0003	0.001	0.035		0.1	0.004	0.004	0.004
Benzo[a]pyrene	-	< 0.005		1	0	0.003	0.005	< 0.005		1	0	0.003	0.005	< 0.005		1	0	0.003	0.005	< 0.005		1	0	0.003	0.005	< 0.005		1	0	0.003	0.005
Benzo[b]fluoranthene	-	< 0.005		0.1	0	0.0003	0.001	< 0.005		0.1	0	0.0003	0.001	< 0.005		0.1	0	0.0003	0.001	< 0.005		0.1	0	0.0003	0.001	< 0.005		0.1	0	0.0003	0.001
Benzo[k]fluoranthene	-	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001
Chrysene	-	< 0.008		0.01	0	0.00004	0.0001	< 0.008		0.01	0	0.00004	0.0001	< 0.008		0.01	0	0.00004	0.0001	< 0.008		0.01	0	0.00004	0.0001	0.029		0.01	0.0003	0.0003	0.0003
Dibenzo[a,h]anthracene	-	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001
Indeno[1,2,3-cd]pyrene	-	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001	< 0.008		0.1	0	0.0004	0.001
TEQ [b]	0.015	-		-	0	0.004	0.009	-		-	0	0.004	0.009	-		-	0	0.004	0.009	-		-	0	0.004	0.009	-		-	0.004	0.008	0.012

Notes:
All Values in micrograms per liter (µg/L) or parts per billion (ppb)
Bold indicates measured above laboratory method detection limit (MDL)
Shading indicates measured above PCL
< X.XX indicates not detected above the method detection limit of X.XX µg/L
a - Cleanup Level (CUL) from the Cleanup Action Plan (2023)
b - TEQ is sum of concentrations multiplied by TEF values per MTCA Table 708-2 using non-detect as 0 (U=0), using non-detect as 1/2 of laboratory reporting limit (U=1/2RL), and using non-detect as laboratory reporting limit (U=RL)

Laboratory Qualifiers:
None

Table 5: DNAPL Monitoring
Annual Groundwater Monitoring - 2023
Jeld Wen Site
Everett, Washington

Date	Thickness of DNAPL (Inches)[1]			
	MW-8B	MW-9B	MW-10B	MW-11B
1/19/2023	2*	-	NP	-
3/2/2023	28	-	NP	-
3/29/2023	28	-	NP	-
4/25/2023	30	-	NP	-
5/31/2023	30	-	1	-
6/29/2023	32	-	NP	-
7/26/2023	32	-	NP	-
8/29/2023	35	NP	0.5	-
10/4/2023	30	-	NP	NP
10/31/2023	34	-	NP	-
11/21/2023	34	-	NP	-
12/27/2023	24	-	NP	-

1 - Product thickness measured off of first bailer dropped to the bottom of the well sump
NP indicates No Product was observed in the bailer
* Based on historical measurements this is likely an error in field protocol or measurement recording

Appendix A Field Notes

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

SLR

Project No. 108.00228.00065 | Purged By: EH/CB | Well I.D.: MW - 4

Project Name: Former E.A. Nord, Inc. and as through its successor JELD-WEN, Inc. | Sampled By: EH/CB | Sample I.D.: MW - 4 - 0823

Location: 300 West Marine View Drive, Everett, WA | QA Samples:

Date Purged: 8-29-2023 | Start (2400hr): 1036 | End (2400hr): 1156

Date Sampled: 8-29-2023 | Sample Time (2400hr): 1156

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) = 13.44 | Casing Volume (gal) =

Depth to water (feet) = 5.74 | 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	1036	17.1	.4315	—	4.55	7.04	194.5	clear	clear
0.3	1141	17.8	.4460	—	3.18	6.89	193.2		
0.5	1144	17.9	.4431	—	3.00	6.86	193.2		
.75	1147	17.9	.4227	—	2.67	6.86	193.0		
1	1150	17.9	.4123	—	2.40	6.86	193.0		
1.25	1153	17.9	.4029	—	2.24	6.86	193.1		
		✓	✓	—	✓	✓	✓		

Stable?

PURGING & SAMPLING EQUIPMENT

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

Other: _____

Pump Intake Depth: 7.74 (feet)

SAMPLE VESSELS

___ 40mL VOA
___ 40mL VOA w/ HCL
___ mL amber glass
___ mL amber glass w/ HCl
___ mL HDPE
___ mL HDPE w/ HNO3
___ mL HDPE w/ H2SO4
3 x 500mL amber

Well Integrity: good | Odor: none

Remarks: Tide ~ 0 ft

Signature:

Page 1 of _1_

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

SLR

Project No. 108.00228.00065 | Purged By: EH/CB | Well I.D.: MW - 6

Project Name: Former E.A. Nord, Inc. and as through its successor JELD-WEN, Inc. | Sampled By: EH/CB | Sample I.D.: MW - 6 - 0823

Location: 300 West Marine View Drive, Everett, WA | QA Samples:

Date Purged: 8-29 2023 | Start (2400hr): 9:51 | End (2400hr): 10:05

Date Sampled: 8-29 2023 | Sample Time (2400hr): 10:09

Casing Diameter:	2" ✓	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) = 10.92 (Sediment) | Casing Volume (gal) =

Depth to water (feet) = 5.94' | 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	9:51	19.5	26.09		1.42	6.43	185.7	Clear	Clear
0.3	9:56	19.5	26.26		0.76	5.91	186.7	"	"
0.5	9:59	19.4	26.25		0.59	5.93	195.7	"	"
0.75	10:02	19.4	26.24		0.53	5.94	202.5	"	"
1.0	10:05	19.4	26.24		0.54	5.94	207.3	"	"
Stable?		✓	✓		✓	✓	✓		

PURGING & SAMPLING EQUIPMENT

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

Other: _____

Pump Intake Depth: ~8 (feet)

SAMPLE VESSELS

___ 40mL VOA
___ 40mL VOA w/ HCL
___ mL amber glass
___ ___ mL amber glass w/ HCl
___ ___ mL HDPE
___ ___ mL HDPE w/ HNO3
___ ___ mL HDPE w/ H2SO4

3x 500 mL Amber
2x 1L Amber

Well Integrity: OK | Odor: none

Remarks: one worn bolt, no rubber gasket. Tide ~ -2 ft

Signature:

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

SLR

Project No. 108.00228.00065 | Purged By: EH/CB | Well I.D.: MW-7

Project Name: Former E.A. Nord, Inc. and as through its successor JELD-WEN, Inc. | Sampled By: EH/CB | Sample I.D.: MW-7-0823

Location: 300 West Marine View Drive, Everett, WA | QA Samples: MW-71-0823

Date Purged: 8-29 2023 | Start (2400hr): 1038 | End (2400hr): 1055

Date Sampled: 8-29-2023 | Sample Time (2400hr): 10:58 | 11:05 - MW-71 (DUP)

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

Total depth (feet) = 12.95 | Casing Volume (gal) =

Depth to water (feet) = 6.71 | 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	1038	19.2	2.323	—	3.18	6.77	143.8	clear	clear
0.3	1043	19.3	0.874	—	0.23	6.61	142.6		
0.5	1046	19.3	0.755	—	0.18	6.57	143.7		
0.75	1049	19.3	0.728	—	0.14	6.55	142.8		
1	1052	19.3	0.718	—	0.14	6.54	141.7		
1.25	1055	19.3	0.707	—	0.10	6.53	139.1		
Stable?	✓	✓	✓	✓	✓	✓	✓		

PURGING & SAMPLING EQUIPMENT

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

Other: _____

Pump Intake Depth: 8.71 (feet)

SAMPLE VESSELS

___ 40mL VOA
___ 40mL VOA w/ HCL
___ mL amber glass
___ ___ mL amber glass w/ HCl
___ ___ mL HDPE
___ ___ mL HDPE w/ HNO3
___ ___ mL HDPE w/ H2SO4

3 500 mL amber
2 1L amber

Well Integrity: good | Odor: none

Remarks: dup; Tide ~ -1.75 ft

Signature:

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

SLR

Project No. 108.00228.00065 | Purged By: EH/CB | Well I.D.: MW - 15

Project Name: Former E.A. Nord, Inc. and as through its successor JELD-WEN, Inc. | Sampled By: EH/CB | Sample I.D.: MW-15-0823

Location: 300 West Marine View Drive, Everett, WA | QA Samples:

Date Purged: 8-29-2023 | Start (2400hr): 1243 | End (2400hr): 1304

Date Sampled: 8-29-2023 | Sample Time (2400hr): 1305

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

Total depth (feet) = 13.11 | Casing Volume (gal) =

Depth to water (feet) = 5.10 | 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	1243	20.7	5.07	—	5.01	6.24	203.2	clear	clear
0.3	1248	21.6	7.14	—	0.12	6.44	194.3		
0.5	1251	21.6	6.99	—	0.08	6.45	175.4		
0.75	1254	21.6	6.90	—	0.08	6.46	154.0		
1	1257	21.5	6.73	—	0.06	6.46	131.4		
1.25	1300	21.5	6.68	—	0.07	6.46	114.3		
1.5	1303	21.5	6.63	—	0.06	6.47	95.1		
		✓	✓	—	✓	✓	✓		

Stable?

PURGING & SAMPLING EQUIPMENT

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

Other: _____

Pump Intake Depth: 7.0 (feet)

SAMPLE VESSELS

___ 40mL VOA
___ 40mL VOA w/ HCL
___ mL amber glass
___ mL amber glass w/ HCl
___ mL HDPE
___ mL HDPE w/ HNO3
___ mL HDPE w/ H2SO4
3 × 500 mL amber

Well Integrity: good | Odor: none

Remarks: ~~Tide @ 0 ft EH~~ Tide ~ 1.5 ft

Signature:

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA SHEET

SLR

Project No. 108.00228.00065 | Purged By: EH/CB | Well I.D.: MW - 19

Project Name: Former E.A. Nord, Inc. and as through its successor JELD-WEN, Inc. | Sampled By: EH/CB | Sample I.D.: MW-19-0823

Location: 300 West Marine View Drive, Everett, WA | QA Samples:

Date Purged: 8-29-2023 | Start (2400hr): 1331 | End (2400hr): 1348

Date Sampled: 8-29-2023 | Sample Time (2400hr): 1348

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) = 13.84 | Casing Volume (gal) =

Depth to water (feet) = 4.27 | 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	1331	21.5	9.50	—	1.02	6.12	146.7	clear	clear
0.3	1336	21.8	9.72	—	0.15	6.05	144.5	↓	↓
0.5	1339	21.8	9.76	—	0.11	6.05	146.9		
0.75	1342	21.8	9.84	—	0.08	6.06	148.3		
1	1345	21.8	9.87	—	0.08	6.06	148.7		
1.25	1348	21.8	9.88	—	0.08	6.06	148.5		
		✓	✓	—	✓	✓	✓		

Stable?

PURGING & SAMPLING EQUIPMENT

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

Other: _____

Pump Intake Depth: 6.27 (feet)

SAMPLE VESSELS

___ 40mL VOA
___ 40mL VOA w/ HCL
___ ___ mL amber glass
___ ___ mL amber glass w/ HCl
___ ___ mL HDPE
___ ___ mL HDPE w/ HNO3
___ ___ mL HDPE w/ H2SO4 3 x 500mL amber

Well Integrity: good | Odor: none

Remarks: Tide @ ~ 4.7 ft

Signature:

Appendix B Laboratory Analytical Reports

Analytical Resources, LLC
Analytical Chemists and Consultants
Tukwila, WA

04 October 2023

Chris Kramer
SLR International Corporation
22118 20th Avenue SE G202
Bothell, WA 98021

RE: Former E.A, Nord (Former E.A, Nord)

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)	Associated SDG ID(s)
23I0031	N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, LLC

Kelly Bottem, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ACCREDITED IN ACCORDANCE WITH nelac
Cert# 100006-012

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 23I0031	Turn-around Requested: Standard	Page: 1 of 1	
ARI Client Company: SLR	Phone: (503) 723-4423	Date: 8/31/2023	Ice Present?
Client Contact: Chris Kramer		No. of Coolers:	Cooler Temps:
Client Project Name: Nord Door			
Client Project #: 108.00228.00005	Samplers: Emily Hernandez / Clayton Blackburn		

Analytical Resources, LLC
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: cPAHs LL by 8270E	Notes/Comments
MW-4-0823	8/29/23	1156	water	3	X	
MW-6-0823		1009			X	
MW-7-0823		1058			X	
MW-15-0823		1305			X	
MW-19-0823		1348			X	
MW-71-0823		1105			X	

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
Please use extra volume from MW-15-0823 for MS.	(Signature): [signature]	(Signature): [signature]	(Signature)	(Signature)
	Printed Name: Emily Hernandez	Printed Name: [signature]	Printed Name:	Printed Name:
	Company: SLR	Company: ARI	Company:	Company:
	Date & Time: 8/31/2023 1900	Date & Time: 08/31/23 1725	Date & Time:	Date & Time:

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4-0823	23I0031-01	Water	29-Aug-2023 11:56	31-Aug-2023 17:25
MW-6-0823	23I0031-02	Water	29-Aug-2023 10:09	31-Aug-2023 17:25
MW-7-0823	23I0031-03	Water	29-Aug-2023 10:58	31-Aug-2023 17:25
MW-15-0823	23I0031-04	Water	29-Aug-2023 13:05	31-Aug-2023 17:25
MW-19-0823	23I0031-05	Water	29-Aug-2023 13:48	31-Aug-2023 17:25
MW-71-0823	23I0031-06	Water	29-Aug-2023 11:05	31-Aug-2023 17:25

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

Work Order Case Narrative

Polynuclear Aromatic Hydrocarbons (PAH) - EPA Method SW8270E-SIM

The sample(s) were extracted and analyzed within the recommended holding times with the exception of the re-extraction of sample 23I0031-01RE. The sample was originally extracted within the holding time and re-extracted outside of the holding time due to low surrogate recoveries.

Initial and continuing calibrations were within method requirements with the exception of all associated "Q" flagged analytes which are out of control low in SLJ0004-ICV1 and out of control high in SLI0385-ICV1. Samples that contain analyte have been flagged with a "Q" qualifier.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits with the exception of surrogates flagged on the associated forms.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and relative percent difference (RPD) were within advisory control limits.

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: SLR | Project Name: Nord Door

COC No(s): NA | Delivered by: Fed-Ex UPS Courier Hand Delivered Other:

Assigned ARI Job No: 23I0031 | Tracking No: NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler?	YES	NO
Were custody papers included with the cooler?	YES	NO
Were custody papers properly filled out (ink, signed, etc.)	YES	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry) 4.9

Time 1725

If cooler temperature is out of compliance fill out form 00070F | Temp Gun ID#: IR69708

Cooler Accepted by: MP Date: 08/31/23 Time: 1725

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	NO
What kind of packing material was used?	Bubble Wrap Wet Ice Gel Packs Baggies Foam Block Paper Other:		
Was sufficient ice used (if appropriate)?	NA	YES	NO
How were bottles sealed in plastic bags?	Individually	Grouped	Not
Did all bottles arrive in good condition (unbroken)?		YES	NO
Were all bottle labels complete and legible?		YES	NO
Did the number of containers listed on COC match with the number of containers received?		YES	NO
Did all bottle labels and tags agree with custody papers?		YES	NO
Were all bottles used correct for the requested analyses?		YES	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	NA	YES	NO
Were all VOC vials free of air bubbles?	NA	YES	NO
Was sufficient amount of sample sent in each bottle?		YES	NO
Date VOC Trip Blank was made at ARI	NA		

Were the sample(s) split by ARI? NA YES Date/Time: Equipment: Split by:

Samples Logged by: KFC Date: 090423 Time: 1032 Labels checked by: KFC

*** Notify Project Manager of discrepancies or concerns ***

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: Date:

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

MW-4-0823

23I0031-01 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 08/29/2023 11:56
Instrument: NT18 Analyst: VTS — Analyzed: 09/26/2023 14:54

Sample Preparation: Preparation Method: EPA 3510C SepF — Extract ID: 23I0031-01 A 01
Preparation Batch: BLI0076 — Sample Size: 500 mL
Prepared: 09/05/2023 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Benzo(a)anthracene	56-55-3	1	0.006	0.010	ND	ug/L	U
Chrysene	218-01-9	1	0.008	0.010	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.005	0.010	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.008	0.010	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.005	0.010	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.008	0.010	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.008	0.010	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10				*42-120 %*	*35.0*	*%*	*
Surrogate: Dibenzo[a,h]anthracene-d14				*29-120 %*	*22.1*	*%*	*
Surrogate: Fluoranthene-d10				*57-120 %*	*42.7*	*%*	*, Q

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

MW-4-0823

23I0031-01RE1 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 08/29/2023 11:56

Instrument: NT18 Analyst: VTS — Analyzed: 10/03/2023 14:05

Sample Preparation: Preparation Method: EPA 3510C SepF — Extract ID: 23I0031-01RE1 B 01

Preparation Batch: BLI0885 — Sample Size: 500 mL

Prepared: 09/28/2023 — Final Volume: 0.5 mL

Sample Cleanup: Cleanup Method: Silica Gel — Extract ID: 23I0031-01RE1 B 01

Cleanup Batch: CLJ0001 — Initial Volume: 0.5 uL

Cleaned: 02-Oct-2023 — Final Volume: 0.5 uL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Benzo(a)anthracene	56-55-3	1	0.006	0.010	ND	ug/L	H, U
Chrysene	218-01-9	1	0.008	0.010	ND	ug/L	H, U
Benzo(b)fluoranthene	205-99-2	1	0.005	0.010	ND	ug/L	H, U
Benzo(k)fluoranthene	207-08-9	1	0.008	0.010	ND	ug/L	H, U
Benzo(a)pyrene	50-32-8	1	0.005	0.010	ND	ug/L	H, U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.008	0.010	ND	ug/L	H, U
Dibenzo(a,h)anthracene	53-70-3	1	0.008	0.010	ND	ug/L	H, U
Surrogate: 2-Methylnaphthalene-d10				*42-120 %*	*50.9*	*%*	H
Surrogate: Dibenzo[a,h]anthracene-d14				*29-120 %*	*33.1*	*%*	H, Q
Surrogate: Fluoranthene-d10				*57-120 %*	*64.4*	*%*	H

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

MW-6-0823

23I0031-02 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 08/29/2023 10:09

Instrument: NT18 Analyst: VTS — Analyzed: 09/26/2023 15:27

Sample Preparation: Preparation Method: EPA 3510C SepF — Extract ID: 23I0031-02 A 01

Preparation Batch: BLI0076 — Sample Size: 500 mL

Prepared: 09/05/2023 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Benzo(a)anthracene	56-55-3	1	0.006	0.010	ND	ug/L	U
Chrysene	218-01-9	1	0.008	0.010	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.005	0.010	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.008	0.010	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.005	0.010	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.008	0.010	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.008	0.010	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10				*42-120 %*	*47.6*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14				*29-120 %*	*30.9*	*%*	
Surrogate: Fluoranthene-d10				*57-120 %*	*62.4*	*%*	Q

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

MW-7-0823

23I0031-03 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 08/29/2023 10:58

Instrument: NT18 Analyst: VTS — Analyzed: 09/26/2023 17:03

Sample Preparation: Preparation Method: EPA 3510C SepF — Extract ID: 23I0031-03 A 01

Preparation Batch: BLI0076 — Sample Size: 500 mL

Prepared: 09/05/2023 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Benzo(a)anthracene	56-55-3	1	0.006	0.010	ND	ug/L	U
Chrysene	218-01-9	1	0.008	0.010	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.005	0.010	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.008	0.010	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.005	0.010	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.008	0.010	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.008	0.010	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10				*42-120 %*	*55.4*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14				*29-120 %*	*31.1*	*%*	
Surrogate: Fluoranthene-d10				*57-120 %*	*64.9*	*%*	Q

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

MW-15-0823

23I0031-04 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 08/29/2023 13:05
Instrument: NT18 Analyst: VTS — Analyzed: 09/26/2023 17:35

Sample Preparation: Preparation Method: EPA 3510C SepF — Extract ID: 23I0031-04 A 01
Preparation Batch: BLI0076 — Sample Size: 500 mL
Prepared: 09/05/2023 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Benzo(a)anthracene	56-55-3	1	0.006	0.010	ND	ug/L	U
Chrysene	218-01-9	1	0.008	0.010	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.005	0.010	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.008	0.010	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.005	0.010	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.008	0.010	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.008	0.010	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10				*42-120 %*	*47.8*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14				*29-120 %*	*23.7*	*%*	*
Surrogate: Fluoranthene-d10				*57-120 %*	*67.0*	*%*	Q

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

MW-19-0823

23I0031-05 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 08/29/2023 13:48

Instrument: NT18 Analyst: VTS — Analyzed: 09/26/2023 18:07

Sample Preparation: Preparation Method: EPA 3510C SepF — Extract ID: 23I0031-05 A 01

Preparation Batch: BLI0076 — Sample Size: 500 mL

Prepared: 09/05/2023 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Benzo(a)anthracene	56-55-3	1	0.006	0.010	0.035	ug/L	
Chrysene	218-01-9	1	0.008	0.010	0.029	ug/L	
Benzo(b)fluoranthene	205-99-2	1	0.005	0.010	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.008	0.010	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.005	0.010	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.008	0.010	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.008	0.010	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10				*42-120 %*	*48.6*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14				*29-120 %*	*30.5*	*%*	
Surrogate: Fluoranthene-d10				*57-120 %*	*66.6*	*%*	Q

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

MW-71-0823

23I0031-06 (Water)

Semivolatile Organic Compounds - SIM

Method: EPA 8270E-SIM — Sampled: 08/29/2023 11:05

Instrument: NT18 Analyst: VTS — Analyzed: 09/26/2023 18:39

Sample Preparation: Preparation Method: EPA 3510C SepF — Extract ID: 23I0031-06 A 01

Preparation Batch: BLI0076 — Sample Size: 500 mL

Prepared: 09/05/2023 — Final Volume: 0.5 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Benzo(a)anthracene	56-55-3	1	0.006	0.010	ND	ug/L	U
Chrysene	218-01-9	1	0.008	0.010	ND	ug/L	U
Benzo(b)fluoranthene	205-99-2	1	0.005	0.010	ND	ug/L	U
Benzo(k)fluoranthene	207-08-9	1	0.008	0.010	ND	ug/L	U
Benzo(a)pyrene	50-32-8	1	0.005	0.010	ND	ug/L	U
Indeno(1,2,3-cd)pyrene	193-39-5	1	0.008	0.010	ND	ug/L	U
Dibenzo(a,h)anthracene	53-70-3	1	0.008	0.010	ND	ug/L	U
Surrogate: 2-Methylnaphthalene-d10				*42-120 %*	*44.9*	*%*	
Surrogate: Dibenzo[a,h]anthracene-d14				*29-120 %*	*28.8*	*%*	*
Surrogate: Fluoranthene-d10				*57-120 %*	*59.8*	*%*	Q

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BLI0076 - EPA 8270E-SIM

Instrument: NT18 Analyst: VTS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BLI0076-BLK1)				Prepared: 05-Sep-2023 Analyzed: 26-Sep-2023 13:18							
Benzo(a)anthracene	ND	0.006	0.010	ug/L							U
Chrysene	ND	0.008	0.010	ug/L							U
Benzo(b)fluoranthene	ND	0.005	0.010	ug/L							U
Benzo(k)fluoranthene	ND	0.008	0.010	ug/L							U
Benzo(a)pyrene	ND	0.005	0.010	ug/L							U
Indeno(1,2,3-cd)pyrene	ND	0.008	0.010	ug/L							U
Dibenzo(a,h)anthracene	ND	0.008	0.010	ug/L							U
Surrogate: 2-Methylnaphthalene-d10	0.152			ug/L	*0.300*		*50.7*	*42-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	0.101			ug/L	*0.300*		*33.6*	*29-120*			
Surrogate: Fluoranthene-d10	0.194			ug/L	*0.300*		*64.7*	*57-120*			*Q*

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BLI0076 - EPA 8270E-SIM

Instrument: NT18 Analyst: VTS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BLI0076-BS1)					Prepared: 05-Sep-2023 Analyzed: 26-Sep-2023 13:50						
Benzo(a)anthracene	0.273	0.006	0.010	ug/L	0.300		90.9	42-120			
Chrysene	0.273	0.008	0.010	ug/L	0.300		91.0	44-120			
Benzo(b)fluoranthene	0.315	0.005	0.010	ug/L	0.300		105	44-120			Q
Benzo(k)fluoranthene	0.276	0.008	0.010	ug/L	0.300		92.1	50-120			
Benzo(a)pyrene	0.193	0.005	0.010	ug/L	0.300		64.4	35-120			
Indeno(1,2,3-cd)pyrene	0.216	0.008	0.010	ug/L	0.300		72.1	37-120			
Dibenzo(a,h)anthracene	0.200	0.008	0.010	ug/L	0.300		66.7	34-120			
Surrogate: 2-Methylnaphthalene-d10	0.165			ug/L	*0.300*		*54.9*	*42-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	0.115			ug/L	*0.300*		*38.3*	*29-120*			
Surrogate: Fluoranthene-d10	0.200			ug/L	*0.300*		*66.7*	*57-120*			*Q*

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BLI0076 - EPA 8270E-SIM

Instrument: NT18 Analyst: VTS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BLI0076-BSD1)					Prepared: 05-Sep-2023 Analyzed: 26-Sep-2023 14:22						
Benzo(a)anthracene	0.300	0.006	0.010	ug/L	0.300		99.9	42-120	9.39	30	
Chrysene	0.297	0.008	0.010	ug/L	0.300		98.9	44-120	8.32	30	
Benzo(b)fluoranthene	0.334	0.005	0.010	ug/L	0.300		111	44-120	5.76	30	Q
Benzo(k)fluoranthene	0.300	0.008	0.010	ug/L	0.300		100	50-120	8.26	30	
Benzo(a)pyrene	0.231	0.005	0.010	ug/L	0.300		77.0	35-120	17.80	30	
Indeno(1,2,3-cd)pyrene	0.230	0.008	0.010	ug/L	0.300		76.6	37-120	5.99	30	
Dibenzo(a,h)anthracene	0.212	0.008	0.010	ug/L	0.300		70.6	34-120	5.73	30	
Surrogate: 2-Methylnaphthalene-d10	0.161			ug/L	*0.300*		*53.7*	*42-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	0.114			ug/L	*0.300*		*38.1*	*29-120*			
Surrogate: Fluoranthene-d10	0.201			ug/L	*0.300*		*66.9*	*57-120*			*Q*

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BLI0076 - EPA 8270E-SIM

Instrument: NT18 Analyst: VTS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike (BLI0076-MS1)	**Source: 23I0031-02**			Prepared: 05-Sep-2023 Analyzed: 26-Sep-2023 15:59							
Benzo(a)anthracene	0.280	0.006	0.010	ug/L	0.300	ND	93.4	42-120			
Chrysene	0.264	0.008	0.010	ug/L	0.300	ND	88.0	44-120			
Benzo(b)fluoranthene	0.295	0.005	0.010	ug/L	0.300	ND	98.2	44-120			Q
Benzo(k)fluoranthene	0.269	0.008	0.010	ug/L	0.300	ND	89.6	50-120			
Benzo(a)pyrene	0.208	0.005	0.010	ug/L	0.300	ND	69.3	35-120			
Indeno(1,2,3-cd)pyrene	0.203	0.008	0.010	ug/L	0.300	ND	67.7	37-120			
Dibenzo(a,h)anthracene	0.185	0.008	0.010	ug/L	0.300	ND	61.6	34-120			
Surrogate: 2-Methylnaphthalene-d10	0.140			ug/L	*0.300*	*0.143*	*46.8*	*42-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	0.0984			ug/L	*0.300*	*0.0928*	*32.8*	*29-120*			
Surrogate: Fluoranthene-d10	0.183			ug/L	*0.300*	*0.187*	*61.0*	*57-120*			*Q*

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BLI0076 - EPA 8270E-SIM

Instrument: NT18 Analyst: VTS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (BLI0076-MSD1)	**Source: 23I0031-02**			Prepared: 05-Sep-2023 Analyzed: 26-Sep-2023 16:31							
Benzo(a)anthracene	0.264	0.006	0.010	ug/L	0.300	ND	87.9	42-120	6.02	30	
Chrysene	0.259	0.008	0.010	ug/L	0.300	ND	86.5	44-120	1.79	30	
Benzo(b)fluoranthene	0.294	0.005	0.010	ug/L	0.300	ND	98.0	44-120	0.24	30	Q
Benzo(k)fluoranthene	0.265	0.008	0.010	ug/L	0.300	ND	88.2	50-120	1.58	30	
Benzo(a)pyrene	0.207	0.005	0.010	ug/L	0.300	ND	69.1	35-120	0.37	30	
Indeno(1,2,3-cd)pyrene	0.200	0.008	0.010	ug/L	0.300	ND	66.5	37-120	1.74	30	
Dibenzo(a,h)anthracene	0.182	0.008	0.010	ug/L	0.300	ND	60.7	34-120	1.58	30	
Surrogate: 2-Methylnaphthalene-d10	0.130			ug/L	*0.300*	*0.143*	*43.2*	*42-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	0.0967			ug/L	*0.300*	*0.0928*	*32.2*	*29-120*			
Surrogate: Fluoranthene-d10	0.177			ug/L	*0.300*	*0.187*	*59.1*	*57-120*			*Q*

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BLI0076 - EPA 8270E-SIM

Semivolatile Organic Compounds - SIM - Quality Control

Batch BLI0885 - EPA 8270E-SIM

Instrument: NT18 Analyst: VTS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BLI0885-BLK1)				Prepared: 28-Sep-2023 Analyzed: 03-Oct-2023 13:01							
Benzo(a)anthracene	ND	0.006	0.010	ug/L							U
Chrysene	ND	0.008	0.010	ug/L							U
Benzo(b)fluoranthene	ND	0.005	0.010	ug/L							U
Benzo(k)fluoranthene	ND	0.008	0.010	ug/L							U
Benzo(a)pyrene	ND	0.005	0.010	ug/L							U
Indeno(1,2,3-cd)pyrene	ND	0.008	0.010	ug/L							U
Dibenzo(a,h)anthracene	ND	0.008	0.010	ug/L							U
Surrogate: 2-Methylnaphthalene-d10	0.153			ug/L	*0.300*		*50.9*	*42-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	0.0900			ug/L	*0.300*		*30.0*	*29-120*			*Q*
Surrogate: Fluoranthene-d10	0.195			ug/L	*0.300*		*65.1*	*57-120*			

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

Analysis by: Analytical Resources, LLC

Semivolatile Organic Compounds - SIM - Quality Control

Batch BLI0885 - EPA 8270E-SIM

Instrument: NT18 Analyst: VTS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BLI0885-BS1)					Prepared: 28-Sep-2023 Analyzed: 03-Oct-2023 13:33						
Benzo(a)anthracene	0.295	0.006	0.010	ug/L	0.300		98.5	42-120			
Chrysene	0.287	0.008	0.010	ug/L	0.300		95.6	44-120			
Benzo(b)fluoranthene	0.337	0.005	0.010	ug/L	0.300		112	44-120			
Benzo(k)fluoranthene	0.291	0.008	0.010	ug/L	0.300		96.9	50-120			
Benzo(a)pyrene	0.234	0.005	0.010	ug/L	0.300		78.1	35-120			
Indeno(1,2,3-cd)pyrene	0.196	0.008	0.010	ug/L	0.300		65.4	37-120			Q
Dibenzo(a,h)anthracene	0.191	0.008	0.010	ug/L	0.300		63.7	34-120			Q
Surrogate: 2-Methylnaphthalene-d10	0.182			ug/L	*0.300*		*60.6*	*42-120*			
Surrogate: Dibenzo[a,h]anthracene-d14	0.112			ug/L	*0.300*		*37.2*	*29-120*			*Q*
Surrogate: Fluoranthene-d10	0.211			ug/L	*0.300*		*70.2*	*57-120*			

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

Certified Analyses included in this Report

Analyte	Certifications
EPA 8270E-SIM in Water	
Benzo(a)anthracene	ADEC,DoD-ELAP,NELAP,WADOE
Chrysene	ADEC,DoD-ELAP,NELAP,WADOE
Benzo(b)fluoranthene	ADEC,DoD-ELAP,NELAP,WADOE
Benzo(k)fluoranthene	ADEC,DoD-ELAP,NELAP,WADOE
Benzo(a)pyrene	ADEC,DoD-ELAP,NELAP,WADOE
Indeno(1,2,3-cd)pyrene	ADEC,DoD-ELAP,NELAP,WADOE
Dibenzo(a,h)anthracene	ADEC,DoD-ELAP,NELAP,WADOE

Code	Description	Number	Expires
ADEC	Alaska Dept of Environmental Conservation	17-015	03/28/2025
DoD-ELAP	DoD-Environmental Laboratory Accreditation Program, PJLA Testing	66169	02/28/2025
NELAP	ORELAP - Oregon Laboratory Accreditation Program	WA100006-012	05/12/2024

SLR International Corporation	Project: Former E.A, Nord	
22118 20th Avenue SE G202	Project Number: Former E.A, Nord	**Reported:**
Bothell WA, 98021	Project Manager: Chris Kramer	04-Oct-2023 15:42

Notes and Definitions

*	Flagged value is not within established control limits.
B	This analyte was detected in the method blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)
H	Hold time violation - Hold time was exceeded.
J	Estimated concentration value detected below the reporting limit.
Q	Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20% RSD, <20% drift or minimum RRF)
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
[2C]	Indicates this result was quantified on the second column on a dual column analysis.

FINAL LAB REPORT

Nord

B8371

10-Oct-2023

Prepared by

SGS NORTH AMERICA

Prepared for

SLR International Corp

Chris Kramer

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West Linn, OR 97068
Phone: 503-723-4423
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This report is approved by

Amy Boehm

amy.boehm@sgs.com

Senior Project Manager

PROJECT INFORMATION SUMMARY *(When applicable, see QC Annotations for details)*

Client Project	Nord
SGS Project #	B8371
Analytical Protocol(s)	8290A
No. Samples Submitted	2
Additional QC Sample(s)	0
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
Date Received	01-Sep-23
Condition Received	Good
Temperature upon Receipt (ºC)	1.2
Extraction within Holding Time	Yes
Analysis within Holding Time	Yes

QC ANNOTATIONS:

1. Please see Appendices attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

APPENDIX A: GENERAL DATA QUALIFIERS / DATA ATTRIBUTES

B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve) and is an estimated value.
EMPC	Represents an Estimated Maximum Possible Concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
H/h	If the standard recovery is below the method or SOP specified value “H” is assigned. If the obtained value is less than half the specified value “h” is assigned.
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve) and is an estimated value.
ND	Indicates a non-detect.
NR or R	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes “Single Ion Mode” and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.

APPENDIX B: DRBC/TMDL SPECIFIC DATA QUALIFIERS / DATA ATTRIBUTES

J	The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL).
U	The analyte was not detected in the sample at the estimated detection limit (EDL).
E	The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
D	Dilution Data. Result was obtained from the analysis of a dilution.
B	Analyte found in the sample and associated method blank.
C	Co-eluting congener
Cxx	Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'Xx' denotes the IUPAC number with the lowest numerical designated congener.
NR	Analyte is not reportable because of problems in sample preparation or analysis.
V	Labeled standard recovery is not within method control limits.
X	Results from re-injection/repeat/second-column analysis.
EMPC	Estimated maximum possible concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

APPENDIX C: LAB IDENTIFIERS

AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

SGS CERTIFICATIONS / APPROVALS / PERMITS

Alaska DEC LAP	17-012
Alaska DEC LCP	NC00919
Arkansas	88-0682
California (ELAP)	ELAP Cert #2914
CLIA	34D1013708
Colorado	NC00919
Connecticut	PH-0258
USDA Soil Permit	P330-20-00103
American Association for Laboratory Accreditation (A2LA)	2726.01 (ISO 17025:2017, 2009 TNI, DoD ELAP QSM 5.4)
Florida DOH	E87634
Hawaii DOH	Approval
Louisiana DEQ	4115
Louisiana DOH	LA031
Maine	2020020
Massachusetts	M-NC919
Michigan	9950
Minnesota (Primary NELAP For Method 23)	037-999-459
Montana	0106
New Hampshire (Secondary NELAP)	2083
New Jersey	NC100
New York	11685
North Carolina DEQ	481
Ohio	87785
Oklahoma	2205
Oregon	NC200002
Pennsylvania	68-03675
South Carolina	99029002
Texas	T104704260
UCMR 5	NC00919
US Coast Guard	16714/159.317/SGS
U.S. Fish and Wildlife Service	A22801
Vermont	VT-87634
Virginia	460214
Washington	C913

Sample ID: MW-6-0823

Method 8290A

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corp	Matrix:	Aqueous	Lab Project ID:	B8371	Date Received:	01-Sep-2023
Project ID:	Nord	Weight/Volume:	1.02 L	Lab Sample ID	B8371_20449_DF_001	Date Extracted:	14-Sep-2023
Date Collected:	29-Aug-2023	pH:	6	QC Batch No:	20449	Date Analyzed:	30-Sep-2023
		Split:	-	Dilution:	-	Time Analyzed:	18:24:34

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	4.59			ES 2378-TCDD	85	
12378-PeCDD	ND	3.8			ES 12378-PeCDD	80.8	
123478-HxCDD	ND	2.96			ES 123478-HxCDD	77.7	
123678-HxCDD	ND	2.94			ES 123678-HxCDD	84	
123789-HxCDD	ND	3.23			ES 123789-HxCDD	78.8	
1234678-HpCDD	ND	4.34			ES 1234678-HpCDD	74.2	
OCDD	ND	5.5			ES OCDD	64.7	
2378-TCDF	ND	2.41			ES 2378-TCDF	64.4	
12378-PeCDF	ND	2.32			ES 12378-PeCDF	76.8	
23478-PeCDF	ND	2.26			ES 23478-PeCDF	74.4	
123478-HxCDF	ND	2.37			ES 123478-HxCDF	84.5	
123678-HxCDF	ND	2.4			ES 123678-HxCDF	88.1	
234678-HxCDF	ND	2.52			ES 234678-HxCDF	88.5	
123789-HxCDF	ND	3.14			ES 123789-HxCDF	78.8	
1234678-HpCDF	ND	2.7			ES 1234678-HpCDF	86.3	
1234789-HpCDF	ND	3.28			ES 1234789-HpCDF	73.2	
OCDF	ND	2.62			ES OCDF	70.7	
Totals					**Standard**	**CS Recoveries**	
					CS 37Cl-2378-TCDD	97.8	
Total TCDD	ND	4.59	ND		CS 12347-PeCDD	98.2	
Total PeCDD	ND	3.8	ND		CS 12346-PeCDF	89.6	
Total HxCDD	ND	3.03	ND		CS 123469-HxCDF	104	
Total HpCDD	ND	4.34	ND		CS 1234689-HpCDF	95.4	
Total TCDF	ND	2.41	ND				
Total PeCDF	ND	2.29	ND				
Total HxCDF	ND	2.58	ND				
Total HpCDF	ND	2.96	ND				
Total PCDD/Fs	**ND**		**ND**				
ITEF TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	5.02	5.02	5.02				
TEQ: ND=DL	10	10	10				

SGS
5500 Business Drive
Wilmington, NC 28405, USA
www.us.sgs.com
Tel: +1 910 794-1613; Toll-Free 866 846-8290

Sample ID: MW-7-0823

Method 8290A

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corp	Matrix:	Aqueous	Lab Project ID:	B8371	Date Received:	01-Sep-2023
Project ID:	Nord	Weight/Volume:	1.02 L	Lab Sample ID	B8371_20449_DF_002	Date Extracted:	14-Sep-2023
Date Collected:	29-Aug-2023	pH:	6	QC Batch No:	20449	Date Analyzed:	30-Sep-2023
		Split:	-	Dilution:	-	Time Analyzed:	19:12:08

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	3.1			ES 2378-TCDD	81.4	
12378-PeCDD	ND	2.2			ES 12378-PeCDD	87.9	
123478-HxCDD	ND	3.41			ES 123478-HxCDD	79.4	
123678-HxCDD	ND	3.52			ES 123678-HxCDD	85.4	
123789-HxCDD	ND	3.61			ES 123789-HxCDD	83.9	
1234678-HpCDD	8.84			J	ES 1234678-HpCDD	76.3	
OCDD	53.2				ES OCDD	67.2	
2378-TCDF	ND	2.3			ES 2378-TCDF	61.4	
12378-PeCDF	ND	1.55			ES 12378-PeCDF	82.5	
23478-PeCDF	ND	1.47			ES 23478-PeCDF	83.6	
123478-HxCDF	ND	1.36			ES 123478-HxCDF	88.7	
123678-HxCDF	ND	1.34			ES 123678-HxCDF	91.8	
234678-HxCDF	ND	1.42			ES 234678-HxCDF	87.4	
123789-HxCDF	ND	1.88			ES 123789-HxCDF	82.5	
1234678-HpCDF	ND	1.35			ES 1234678-HpCDF	86	
1234789-HpCDF	ND	1.65			ES 1234789-HpCDF	77.6	
OCDF	ND	2.88			ES OCDF	76.4	
Totals					**Standard**	**CS Recoveries**	
					CS 37Cl-2378-TCDD	96.6	
Total TCDD	ND	3.1	ND		CS 12347-PeCDD	103	
Total PeCDD	ND	2.2	ND		CS 12346-PeCDF	95.5	
Total HxCDD	ND	3.51	ND		CS 123469-HxCDF	106	
Total HpCDD	8.84		8.84		CS 1234689-HpCDF	94	
Total TCDF	ND	2.3	ND				
Total PeCDF	ND	1.51	ND				
Total HxCDF	ND	1.48	ND				
Total HpCDF	ND		2.05				
Total PCDD/Fs	**62**		**64.1**				
ITEF TEQs							
TEQ: ND=0	0.142		0.142				
TEQ: ND=DL/2	3.6	3.48	3.6				
TEQ: ND=DL	7.07	6.95	7.07				

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Sample ID: Method Blank B8371_20449 — Method 8290A

Client Data		Sample Data		Laboratory Data			
Name:	SLR International Corp	Matrix:	Aqueous	Lab Project ID:	B8371	Date Received:	n/a
Project ID:	Nord	Weight/Volume:	1.00 L	Lab Sample ID	MB1_20449_DF_TLX	Date Extracted:	14-Sep-2023
Date Collected:	n/a	pH:	n/a	QC Batch No:	20449	Date Analyzed:	30-Sep-2023
		Split:	-	Dilution:	-	Time Analyzed:	16:49:25

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	4.14			ES 2378-TCDD	87.4	
12378-PeCDD	ND	2.59			ES 12378-PeCDD	87.2	
123478-HxCDD	ND	4.01			ES 123478-HxCDD	79.2	
123678-HxCDD	ND	3.38			ES 123678-HxCDD	91.2	
123789-HxCDD	ND	4.39			ES 123789-HxCDD	86.4	
1234678-HpCDD	ND	5.51			ES 1234678-HpCDD	76.9	
OCDD	ND	9.09			ES OCDD	66.1	
2378-TCDF	ND	2.1			ES 2378-TCDF	66	
12378-PeCDF	ND	2.01			ES 12378-PeCDF	76.8	
23478-PeCDF	ND	2.05			ES 23478-PeCDF	76	
123478-HxCDF	ND	2.01			ES 123478-HxCDF	91.1	
123678-HxCDF	ND	2.03			ES 123678-HxCDF	93.5	
234678-HxCDF	ND	2.17			ES 234678-HxCDF	91.4	
123789-HxCDF	ND	2.73			ES 123789-HxCDF	84.5	
1234678-HpCDF	ND	2.32			ES 1234678-HpCDF	92.9	
1234789-HpCDF	ND	2.72			ES 1234789-HpCDF	77.9	
OCDF	ND	5.08			ES OCDF	73.8	
Totals					**Standard**	**CS Recoveries**	
					CS 37Cl-2378-TCDD	97.9	
Total TCDD	ND	4.14	ND		CS 12347-PeCDD	99.5	
Total PeCDD	ND	2.59	ND		CS 12346-PeCDF	86.7	
Total HxCDD	ND	3.91	ND		CS 123469-HxCDF	105	
Total HpCDD	ND	5.51	ND		CS 1234689-HpCDF	96.8	
Total TCDF	ND	2.1	ND				
Total PeCDF	ND	2.03	ND				
Total HxCDF	ND	2.21	ND				
Total HpCDF	ND	2.5	ND				
Total PCDD/Fs	**ND**		**ND**				
ITEF TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	4.48	4.48	4.48				
TEQ: ND=DL	8.97	8.97	8.97				

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METHOD 8290A **PCDD/F ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8A**

Lab Name:	SGS North America		
Initial Calibration:	ICAL: HRMS1_DF_10172022_28APR2023		
Instrument ID:	HRMS1	GC Column ID:	ZB-5ms
VER Data Filename:	230930A02	Analysis Date:	30-SEP-2023 15:14:16
Lab ID:	OPR1_20449_DF		

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
2,3,7,8-TCDD	10	12.1	6.7	-	15.8	Y
1,2,3,7,8-PeCDD	50	49.5	35	-	71	Y
1,2,3,4,7,8-HxCDD	50	57.2	35	-	82	Y
1,2,3,6,7,8-HxCDD	50	59.2	38	-	67	Y
1,2,3,7,8,9-HxCDD	50	52.2	32	-	81	Y
1,2,3,4,6,7,8-HpCDD	50	58.5	35	-	70	Y
OCDD	100	117	78	-	144	Y
2,3,7,8-TCDF	10	11.6	7.5	-	15.8	Y
1,2,3,7,8-PeCDF	50	54.8	40	-	67	Y
2,3,4,7,8-PeCDF	50	62.6	34	-	80	Y
1,2,3,4,7,8-HxCDF	50	59.8	36	-	67	Y
1,2,3,6,7,8-HxCDF	50	57.8	42	-	65	Y
2,3,4,6,7,8-HxCDF	50	60.5	35	-	78	Y
1,2,3,7,8,9-HxCDF	50	56.2	39	-	65	Y
1,2,3,4,6,7,8-HpCDF	50	56	41	-	61	Y
1,2,3,4,7,8,9-HpCDF	50	54.1	39	-	69	Y
OCDF	100	119	63	-	170	Y

Contract-required concentration limits for OPR as specified in Table 6,
Method 1613. 10/94

Processed: 02 Oct 2023 13:13 Analyst: pw

METHOD 8290A **PCDD/F ONGOING PRECISION AND RECOVERY (OPR)** **FORM 8B**

Lab Name:	SGS North America		
Initial Calibration:	ICAL: HRMS1_DF_10172022_28APR2023		
Instrument ID:	HRMS1	GC Column ID:	ZB-5ms
VER Data Filename:	230930A02	Analysis Date:	30-SEP-2023 15:14:16
Lab ID:	OPR1_20449_DF		

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	89.5	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	88	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	80.5	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	90.3	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	87.2	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	75.6	26	-	166	Y
13C-OCDD	200	141	26	-	397	Y
13C-2,3,7,8-TCDF	100	72.8	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	79	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	78.5	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	87.9	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	95.5	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	91.6	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	83.2	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	92.5	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	81.6	20	-	186	Y
13C-OCDF	200	156	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	40.1	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
Method 1613. 10/94

Processed: 02 Oct 2023 13:13 Analyst: pw

Sample Receipt Notification

5500 Business Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:	*Amy Boehm*
Receipt Date & Time:	*01-Sep-23 at 09:47*
AP Project name:	*B8371*
Requested TAT:	*15 business days*
Projected due date:	*25-Sep-23*
Matrix:	*Aqueous*
Phone#:	*910-794-1613*
Email Address:	*Amy.Boehm@sgs.com*

Company Contact:	*Chris Kramer*
Company:	*SLR International Corp*
Project Name & Site:	*Nord*
Project PO#:	*108.00228.00065*
QAAP/Contract #:	*n/a*
Requested Analysis:	*Method 8290A*
Phone#:	*503-723-4423*
Email Address:	*ckramer@slrconsulting.com*

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Size	Sampling Date	Sampling Time	Received Temp (°C)	Container #	Shipping #
MW-6-0823	B8371_001	Water	2	1L	29-Aug-23	10:09	1.2	1	7831 9808 7591
MW-7-0823	B8371_002	Water	2	1L	29-Aug-23	10:58	1.2	1	7831 9808 7591

Preservation Type: **Sample Seals:** No

Notes/Comments:

Sample ID missing on label for sample MW-6-0823. Used a mix of COC and sample times on label to identify sample.

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Malachi Clark *Logged in by: Malachi Clark* *QC'ed by:* AK 6 Sep 23

B8371

SGS CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:
PROJECT: Nord
PO #: 108.00228.00005
QUOTE #:
SITE / PWSID REF:
TURN AROUND TIME: Standard
REPORT LEVEL (see reverse): ☐ Standard ☐ Basic ☒ Other Level IV
SPECIAL DELIVERABLES: ☒ EDD WA Ecology EIM format ☐ State of Origin ☐ Other

SEND DOCUMENTATION / RESULTS TO:
COMPANY: SLR
CONTACT: Chris Kramer
ADDRESS: 1800 Blankenship Rd Ste. 400 West Linn, OR 97068
PHONE: (503) 723-4423
EMAIL: CKramer@slrconsulting.com

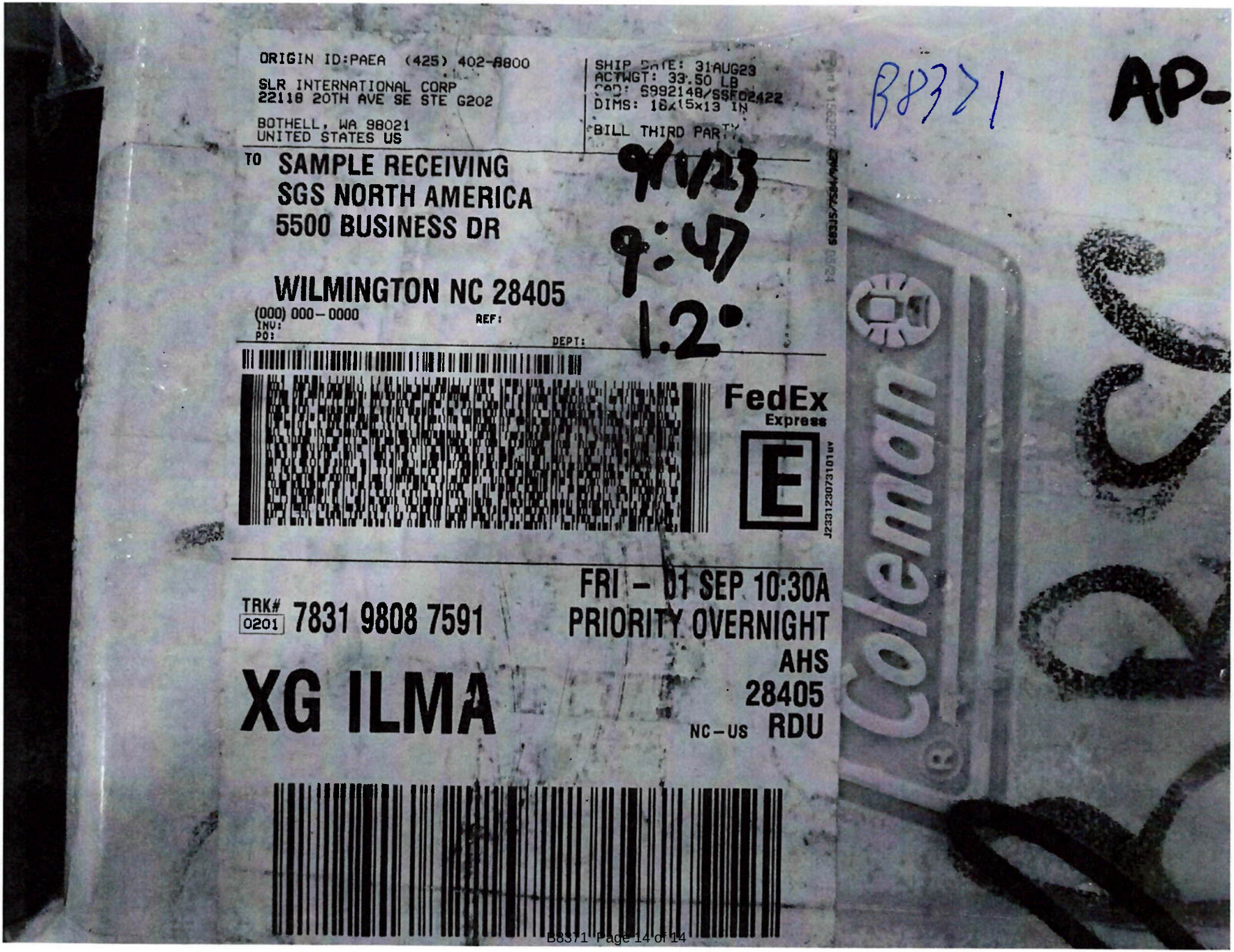
INVOICE TO: (☒ CHECK IF SAME)
COMPANY: CONTACT:
ADDRESS:
PHONE:
EMAIL:

SPECIAL INSTRUCTIONS / COMMENTS:
☐ 2,3,7,8 TCDD ☐ DRBC ☐ 2,3,7,8 TCDD/F ☐ TMDL ☐ _____
TEFS: ☐ ITEFS ☐ MA-TEFS ☐ WHO 98 ☐ CETEFS ☐ WHO 05 ☐ _____

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC MS	QC MSD	QC DUP	TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVOA	WHO-2/WHO-2S		REMARKS
001	MW-6-0823	8/29/23	1009					water	2	X										Dioxins/Furans
002	MW-7-0823	8/29/23	1058					water	2	X										Dioxins/Furans

COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:	RECEIVED BY LABORATORY:	DATE:	TIME:
Emily Hernandez	8/31/2023	1500		mabachjiedam	9/1/23	9:47
RELINQUISHED BY (2)	DATE	TIME	RECEIVED BY	COC SEAL: ☒ INTACT ☐ BROKEN ☐ ABSENT		
				SAMPLE RECEIPT TEMP: °C 1.2		
				CARRIER: Perez	TRACKING #:	
				NOTES:		

SGS NORTH AMERICA INC. ULTRATRACE LABORATORY 5500 Business Drive Wilmington, NC 28405 910 350 1903 | 910 794 1613 www.sgs.com/ultratrace
Member of the SGS Group (SGS SA)


ORIGIN ID:PAEA (425) 402-8800
SLR INTERNATIONAL CORP
22118 20TH AVE SE STE G202
BOTHELL, WA 98021
UNITED STATES US
SHIP DATE: 31AUG23
ACTWGT: 33.50 LB
CAD: 5992148/SSFO2422
DIMS: 18x15x13 IN
BILL THIRD PARTY
TO SAMPLE RECEIVING
SGS NORTH AMERICA
5500 BUSINESS DR
WILMINGTON NC 28405
(000) 000-0000
INV:
PO:
REF:
DEPT:
9/1/23
9:47
1.2
FedEx
Express
TRK# 0201 7831 9808 7591
FRI - 01 SEP 10:30A
PRIORITY OVERNIGHT
XG ILMA
AHS
28405
NC-US RDU
B8371
AP-
Coleman

Appendix C Data Validation Summary

Section 1: General Information and Checklist

Project Information		
Project Name	Jeld-Wen / Former Nord Door	
Project No.	102.00228.00065	
Client Name	JELD-WEN, inc.	
Project Manager	S. Miller	
Data QA Officer	C. Kramer	
Internal Field Staff	E. Hernandez; C. Blackburn	
Subcontractor	NA	
Laboratory Information		
Name	Analytical Resources, LLC	
Location	Tukwila, Washington	
Certification	Ecology: C558-23a	
Report No.	23I0031	
Report Date	10/04/23	
Methods	Method Name	Analyte(s)
	8270E-SIM	PAHs
Login Information		
Sample IDs	Field ID	Lab ID
	MW-4-0823	23I0031-01; 23I..31-01RE1
	MW-6-0823	23I0031-02
	MW-7-0823	23I0031-03
	MW-15-0823	23I0031-04
	MW-19-0823	23I0031-05
	MW-71-0823	23I0031-06
Sample Date(s)	08/29/2023	
Receipt Date(s)	08/31/2023	
COC	OK	
Good Condition?	Yes	
Temperature?	Yes, 4.9 C	
Holding Times?	Yes, with exception of re-extraction of sample 23I0031-01RE. The sample was originally extracted within the holding time and re-extracted outside of the holding time due to low surrogate recoveries (from Case Narrative).	

Notes:

1 – Delivered via laboratory courier. No custody seals used.

Section 2: Field QA Checklist

Field Personnel and Documentation	
Experienced/Trained?	Yes
Documentation	Yes, field notes and photographs saved in project folder
Calibration Records	No records of calibration noted
COC	Yes
Sample Labels	Yes
Custody Seals	No, samples handed off to laboratory courier
Field Sampling	
Dedicated Equipment	Polyethylene tubing
Non-Disposable/Decontaminated	NA

New, clean Gloves	Yes
Sampling containers	Provided by laboratory
Preservatives	NA
Stored on Ice	Yes
VOCs	NA
Transport to Lab	Laboratory courier pick up from office
Solids Sample Information	
No. of Samples	0
Duplicates?	
Trip Blanks?	
Field Blanks?	
Rinsate Blanks?	
MS/MSD?	
Aqueous Sample Information	
No. of Samples	5
Duplicates?	1
Trip Blanks?	0
Field Blanks?	0
Rinsate Blanks?	0
MS/MSD?	1, Per COC: Please use extra volume from MW-15-0823 for MS
Air Sample Information	
No. of Samples	0
Duplicates?	
Trip Blanks?	
Field Blanks?	
Rinsate Blanks?	
MS/MSD?	

Section 3: Laboratory Method QA

Method:

Validation Area	Yes	No	NA	Findings/Comments
Technical Holding Times				
All technical holding times were met		X		Re-extract of 23I0031-01 was performed out of hold due to low surrogate recoveries in initial extraction.
Cooler temperature criteria was met	X			
Laboratory Blanks				
Was a method blank (MB) associated with every sample?	X			
Was MB performed for each matrix and whenever a sample extraction was performed?	X			
Was there contamination in the MB?		X		
Matrix Spike/Matrix Spike Duplicate				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed?	X			Source of MS/MSD was sample 23I0031-02. Sample 23I0031-04 was requested for MS/MSD.
Were the MS/MSD percent recoveries (%R) within the QC limits?	X			

Were the MS/MSD relative percent differences (RPD) within the QC limits?	X			
Laboratory Control Samples				
Was a Laboratory Control Sample (LCS) analyzed per extraction batch?	X			
Were the LCS percent recoveries (%R) within the QC limits?	X			See below comment on "Q" qualifier
Were the LCS/LCSD relative percent differences (RPD) within the QC limits?	X			
ICV/CCV/CCB				
Initial Calibration Verification (ICV) and Continued Calibration Verification (CCV) performed and within %Rec?		X		Q Flag for Fluoranthene-d10 (S), Dibenzo (a,h) anthracene-d14 (S), benzo(b)fluoranthene (QC), indeno(1,2,3-cd)pyrene (QC), dibenzo(a,h)anthracene (QC): Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% drift, or minimum RRF). Initial and continuing calibrations were within method requirements with the exception of all associated "Q" flagged analytes which are out of control low in SLJ0004-ICV1 and out of control high in SLI0385-ICV1. Samples that contain analyte have been flagged with a "Q" qualifier (from Case Narrative).
Was there contamination in the Continued Calibration Blank (CCB)?			X	Data not included. No mention in Case Narrative.
Laboratory Duplicates				
Was a Laboratory Duplicate analyzed?		X		
Were the Duplicate relative percent differences (RPD) within the QC limits?			X	
Surrogates				
Were surrogates analyzed per extraction batch? (for organics only)	X			
Were the Surrogate percent recoveries (%R) within the QC limits?		X		See above comment on "Q" qualifier. Other surrogates were flagged as not within established control limits. Sampe 23I0031 was re-extracted because of low surrogate recovery.

Notes:

Section 4: Field QC Results

Validation Area	Yes	No	NA	Findings/Comments
Field Blanks				
Field blanks were identified		X		Not part of Work Plan.
Target compounds were detected in the field blanks			X	
Field Duplicates				
Field duplicate pairs were identified	X			Blind duplicate labelled as fictious MW-71
Target compounds were detected in the field duplicates		X		

Were the relative percent differences (RPD) within the Alert limits*?			X	No detections in the Field Duplicate or original sample
Trip Blanks				
Was Trip Blank included?			X	No volatiles analysis
Target compounds were detected in the Trip Blank			X	
Equipment Blank				
Was Equipment Blank included?			X	Not part of Work Plan
Target compounds were detected in the Equipment Blank			X	
Rinsate Blank				
Was Rinsate Blank included?			X	Not part of Work Plan
Target compounds were detected in the Rinsate Blank			X	

*RPD Alert Criteria is based on internal SLR guidance.

Section 4: Laboratory Results QA

Field ID	Analyte	Qual	Findings/Comments
MW-4-0823 (re-extract)	ALL	H	Hold time violation – Hold time was exceeded. Note that the re-extraction due to low surrogate recovery exceeded the hold time and the initial extraction was performed within hold time.

Section 5: Overall Assessment of data

Validation Area	Yes	No	NA	Findings/Comments
Overall assessment of data was found to be acceptable	X			Low surrogate recovery in all samples, including the need to re-extract -01, which caused a hold time exceedance. The initial sample and re-extract were both all ND. Can't calculate RPD for field duplicate as original and duplicate were ND. Laboratory did not use requested source of MS/MSD sample; however, a different project-related sample was used as source of MS/MSD.

Section 1: General Information and Checklist

Project Information		
Project Name	Jeld-Wen / Former Nord Door	
Project No.	102.00228.00065	
Client Name	JELD-WEN, inc.	
Project Manager	S. Miller	
Data QA Officer	C. Kramer	
Internal Field Staff	E. Hernandez; C. Blackburn	
Subcontractor	NA	
Laboratory Information		
Name	SGS North America	
Location	Wilmington, North Carolina	
Certification	Ecology: C913-23	
Report No.	B8371	
Report Date	10/10/23	
Methods	8290A	
Login Information		
Sample IDs	Field ID	Lab ID
	MW-6-0823	B8371_20449_DF_001
	MW-7-0823	B8371_20449_DF_002
Sample Date(s)	08/29/2023	
Receipt Date(s)	09/01/2023	
COC	OK	
Good Condition?	Yes	
Temperature?	Yes, 1.2 C	
Holding Times?	Yes	

Notes:

1 – Per lab login: "Sample ID missing on label for sample MW-6-0823. Used a mix of COC and sample times on label to identify sample."

2 - Sample login documents include "Yellow" observation for MW-7-0823

Section 2: Field QA Checklist

Field Personnel and Documentation	
Experienced/Trained?	Yes
Documentation	Yes, field notes and photographs saved in project folder
Calibration Records	No records of calibration noted
COC	Yes
Sample Labels	Yes
Custody Seals	Unknown
Field Sampling	
Dedicated Equipment	Polyethylene tubing
Non-Disposable/Decontaminated	NA
New, clean Gloves	Yes
Sampling containers	Provided by laboratory
Preservatives	NA
Stored on Ice	Yes

VOCs	NA
Transport to Lab	Sent via FedEx
Solids Sample Information	
No. of Samples	0
Duplicates?	
Trip Blanks?	
Field Blanks?	
Rinsate Blanks?	
MS/MSD?	
Aqueous Sample Information	
No. of Samples	2
Duplicates?	0
Trip Blanks?	NA
Field Blanks?	0
Rinsate Blanks?	0
MS/MSD?	0
Air Sample Information	
No. of Samples	0
Duplicates?	
Trip Blanks?	
Field Blanks?	
Rinsate Blanks?	
MS/MSD?	

Section 3: Laboratory Method QA

Method:

Validation Area	Yes	No	NA	Findings/Comments
Technical Holding Times				
All technical holding times were met	X			
Cooler temperature criteria was met	X			
Laboratory Blanks				
Was a method blank (MB) associated with every sample?	X			
Was MB performed for each matrix and whenever a sample extraction was performed?	X			
Was there contamination in the MB?		X		
Matrix Spike/Matrix Spike Duplicate				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed?			X	Not part of method
Were the MS/MSD percent recoveries (%R) within the QC limits?			X	
Were the MS/MSD relative percent differences (RPD) within the QC limits?			X	
Laboratory Control Samples				
Was a Laboratory Control Samples (LCS) analyzed per extraction batch?		X		Not performed.
Were the LCS percent recoveries (%R) within the QC limits?			X	

ICV/CCV/CCB				
Initial Calibration Verification (ICV) and Continued Calibration Verification (CCV) performed and within %Rec?	X			- Surrogates within range
Was there contamination in the Continued Calibration Blank (CCB)?			X	
Laboratory Duplicates				
Was a Laboratory Duplicate analyzed?		X		Not part of method
Were the Duplicate relative percent differences (RPD) within the QC limits?			X	
Surrogates				
Were surrogates analyzed per extraction batch? (for organics only)	X			
Were the Surrogate percent recoveries (%R) within the QC limits?	X			*note in Level IV?

Notes:

1: Level IV data package includes a "Departure from Standard Policies and Procedures" form which indicates that there were "Low Tetra recoveries" and that 56 mL of DMC will be collected from Florisil column immediately following 85 mL hexane wash. There will be no 3% 20 mL CDM/Hexane wash. The form indicates the customer was contacted, via "narrative, final report" on 10/10/23. There was no narrative in the lab report and no qualifiers for tetra recovery. UPDATE: checked with lab PM, "It's just a minor modification to the clean-up SOP to offset a change in the particular lot of Florisil that is in use now. The attached form as part of the sample path and level IV is all there is."

Section 4: Field QC Results

Validation Area	Yes	No	NA	Findings/Comments
Field Blanks				
Field blanks were identified		X		Not part of Work Plan.
Target compounds were detected in the field blanks			X	
Field Duplicates				
Field duplicate pairs were identified		X		Duplicates are part of Work Plan. Duplicate was performed for other project analyses
Target compounds were detected in the field duplicates			X	
Were the relative percent differences (RPD) within the Alert limits*?			X	
Trip Blanks				
Was Trip Blank included?			X	No volatiles analysis
Target compounds were detected in the Trip Blank			X	
Equipment Blank				
Was Equipment Blank included?			X	Not part of Work Plan
Target compounds were detected in the Equipment Blank			X	
Rinsate Blank				
Was Rinsate Blank included?			X	Not part of Work Plan
Target compounds were detected in the Rinsate Blank			X	

*RPD Alert Criteria is based on internal SLR guidance.

Section 4: Laboratory Results QA

Field ID	Lab ID	Qual	Findings/Comments
MW-7-0823	B8371_20449_DF_002	J	The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL).

Toxicity Equivalency Calculation Check

Field ID	Lab TEQs[1]			Calc Check [2]		
	ND=0	ND=DL/2	ND=DL	ND=0	ND=DL/2	ND=DL
MW-06-0823	0	5.02	10	0	5.72	11.4
MW-07-0823	0.142	3.6	7.07	0.104	3.96	7.81

1 - Lab report shows TEF source as International Toxic Equivalency Factors (ITEF), NATO, 1988

2 – Calc check used WHO 2005 TEFs per MTCA Table 708-1

Section 5: Overall Assessment of data

Validation Area	Yes	No	NA	Findings/Comments
Overall assessment of data was found to be acceptable	X			Field duplicate was not submitted for this analysis; however, a separate project-related duplicate was submitted for other analyses. TEQ calcs in lab report do not match regulatory requirements (MTCA). Data tables should report the TEQ values per WHO 2005 TEFs. Laboratory Control Sample (LCS) not performed, data package includes Ongoing Precision and Recovery (OPR) results that includes spikes.

Appendix D Cumulative Groundwater Monitoring Summary Table

Table A-1: Groundwater Elevations
Cumulative Groundwater Monitoring Summary Table

Monitoring Well (TOC Elevation)	Date	Depth to Water (Feet Below TOC)	Groundwater Elevation (Feet Above MSL)
MW-1 (12.55[A])	9/9/2015	6.11	6.33
	12/11/2015	2.14	10.30
	10/6/2016	6.38	6.06
	1/30/2017	4.35	8.09
	4/25/2017	4.07	8.37
	6/28/2017	5.11	7.33
	10/23/2017	5.72	6.72
	1/15/2018	3.15	9.29
	4/10/2018	3.21	9.34
	7/9/2018	5.61	6.94
	10/24/2018	5.84	6.71
	1/17/2019	3.73	8.82
	4/15/2019	4.30	8.25
	7/30/2019	6.03	6.52
	2/18/2020	3.93	8.62
	8/11/2020	5.79	6.76
	2/10/2021	3.73	8.82
	8/18/2021	6.02	6.53
	2/28/2022	4.31	8.24
	8/1/2022	5.39	7.16
	8/29/2023	6.05	6.50
MW-2 (12.64)	9/10/2015	8.91	3.73
	12/11/2015	5.07	7.57
	3/29/2016	5.61	7.03
	10/6/2016	7.00	5.64
	1/30/2017	6.59	6.05
	4/25/2017	7.55	5.09
	6/28/2017	6.41	6.23
	10/23/2017	7.09	5.55
	1/15/2018	6.40	6.24
	4/10/2018	7.17	5.47
	7/9/2018	9.12	3.52
	10/24/2018	6.82	5.82
	1/17/2019	6.25	6.39
	4/15/2019	7.46	5.18
	7/30/2019	9.20	3.44
	2/18/2020	6.68	5.96
	8/11/2020	9.08	3.56
	2/10/2021	6.71	5.93
	8/18/2021	8.45	4.19
	2/28/2022	6.63	6.01
	8/1/2022	7.77	4.87
	8/29/2023	8.48	4.16

Table A-1: Groundwater Elevations
Cumulative Groundwater Monitoring Summary Table

Monitoring Well (TOC Elevation)	Date	Depth to Water (Feet Below TOC)	Groundwater Elevation (Feet Above MSL)
MW-3 (11.45)	12/11/2015	3.21	8.24
	3/29/2016	3.32	8.13
	10/6/2016	5.57	5.88
	1/30/2017	5.04	6.41
	4/25/2017	5.87	5.58
	6/28/2017	5.00	6.45
	10/23/2017	4.50	6.95
	1/15/2018	5.02	6.43
	4/10/2018	5.79	5.66
	7/9/2018	6.79	4.66
	10/24/2018	7.70	3.75
	1/17/2019	4.98	6.47
	4/15/2019	6.00	5.45
	7/30/2019	6.75	4.70
	2/18/2020	5.25	6.20
	8/11/2020	5.28	6.17
	2/10/2021	5.22	6.23
	8/18/2021	6.68	4.77
	2/28/2022	5.35	6.10
	8/1/2022	6.22	5.23
	8/29/2023	5.95	5.50
MW-4 (12.26)	9/9/2015	5.41	6.85
	12/11/2015	3.61	8.65
	3/28/2016	3.98	8.28
	10/6/2016	5.61	6.65
	1/30/2017	4.53	7.73
	4/25/2017	4.28	7.98
	6/28/2017	5.07	7.19
	10/23/2017	5.24	7.02
	1/15/2018	4.00	8.26
	4/10/2018	4.06	8.20
	7/9/2018	5.31	6.95
	10/24/2018	5.73	6.53
	1/17/2019	4.56	7.70
	4/15/2019	4.71	7.55
	7/30/2019	5.71	6.55
	2/18/2020	3.83	8.43
	8/11/2020	5.39	6.87
	2/10/2021	3.80	8.46
	8/18/2021	5.69	6.57
	2/28/2022	4.68	7.58
	8/1/2022	5.52	6.74
	8/29/2023	5.74	6.52

Table A-1: Groundwater Elevations
Cumulative Groundwater Monitoring Summary Table

Monitoring Well (TOC Elevation)	Date	Depth to Water (Feet Below TOC)	Groundwater Elevation (Feet Above MSL)
MW-5 (11.87)	9/9/2015	4.24	7.63
	12/11/2015	2.31	9.56
	3/29/2016	2.27	9.60
	10/6/2016	4.33	7.54
	1/30/2017	3.32	8.55
	4/25/2017	3.12	8.75
	6/28/2017	3.87	8.00
	10/23/2017	4.04	7.83
	1/15/2018	2.75	9.12
	4/10/2018	2.79	9.08
	7/9/2018	4.07	7.80
	10/24/2018	4.42	7.45
	1/17/2019	3.45	8.42
	4/15/2019	3.55	8.32
	7/30/2019	5.55	6.32
	2/18/2020	2.81	9.06
	8/11/2020	4.04	7.83
	2/10/2021	2.79	9.08
	8/18/2021	4.44	7.43
	2/28/2022	3.42	8.45
	8/1/2022	4.33	7.54
	8/29/2023	4.55	7.32
MW-6 (12.31)	9/9/2015	4.78	7.53
	12/11/2015	3.03	9.28
	3/29/2016	3.38	8.93
	10/6/2016	5.22	7.09
	1/30/2017	4.23	8.08
	4/25/2017	4.11	8.20
	6/28/2017	4.49	7.82
	10/23/2017	4.53	7.78
	1/15/2018	3.82	8.49
	4/10/2018	3.63	8.68
	7/9/2018	5.08	7.23
	10/24/2018	5.43	6.88
	1/17/2019	4.46	7.85
	4/15/2019	4.82	7.49
	7/30/2019	5.61	6.70
	2/18/2020	4.27	8.04
	8/11/2020	5.54	6.77
	2/10/2021	4.20	8.11
	8/18/2021	5.74	6.57
	2/28/2022	5.05	7.26
	8/1/2022	5.86	6.45
	8/29/2023	5.94	6.37

Table A-1: Groundwater Elevations
Cumulative Groundwater Monitoring Summary Table

Monitoring Well (TOC Elevation)	Date	Depth to Water (Feet Below TOC)	Groundwater Elevation (Feet Above MSL)
MW-7 (12.53)	9/9/2015	5.26	7.27
	12/11/2015	1.63	10.90
	3/28/2016	1.72	10.81
	10/6/2016	4.70	7.83
	1/30/2017	3.77	8.76
	4/25/2017	3.20	9.33
	6/28/2017	4.63	7.90
	10/23/2017	3.76	8.77
	1/15/2018	2.55	9.98
	4/10/2018	1.96	10.57
	7/9/2018	5.11	7.42
	10/24/2018	5.68	6.85
	1/17/2019	4.04	8.49
	4/15/2019	4.54	7.99
	7/30/2019	5.55	6.98
	2/18/2020	3.31	9.22
	8/11/2020	5.30	7.23
	2/10/2021	3.42	9.11
	8/18/2021	5.46	7.07
	2/28/2022	5.18	7.35
	8/1/2022	6.61	5.92
	8/29/2023	6.71	5.82
MW-8A (11.45)	9/9/2015	3.76	7.69
	12/11/2015	2.00	9.45
	3/28/2016	1.82	9.63
	10/6/2016	4.05	7.40
	1/30/2017	3.05	8.40
	4/25/2017	2.84	8.61
	6/28/2017	3.45	8.00
	10/23/2017	3.93	7.52
	1/15/2018	2.46	8.99
	4/10/2018	2.56	8.89
	7/9/2018	3.69	7.76
	10/24/2018	4.18	7.27
	1/17/2019	3.06	8.39
	4/15/2019	3.34	8.11
	7/30/2019	4.13	7.32
	2/18/2020	2.61	8.84
	8/11/2020	3.85	7.60
	2/10/2021	2.55	8.90
	8/18/2021	4.13	7.32
	2/28/2022	3.23	8.22
	8/1/2022	4.01	7.44
	8/29/2023	4.36	7.09

Table A-1: Groundwater Elevations
Cumulative Groundwater Monitoring Summary Table

Monitoring Well (TOC Elevation)	Date	Depth to Water (Feet Below TOC)	Groundwater Elevation (Feet Above MSL)
MW-8B (11.48)	9/9/2015	3.98	7.50
	12/11/2015	2.29	9.19
	3/28/2016	1.82	9.66
	10/6/2016	4.12	7.36
	1/30/2017	3.21	8.27
	4/25/2017	2.96	8.52
	6/28/2017	3.51	7.97
	10/23/2017	3.92	7.56
	1/15/2018	2.63	8.85
	4/10/2018	2.38	9.10
	7/9/2018	3.80	7.68
	10/24/2018	4.15	7.33
	1/17/2019	3.10	8.38
	4/15/2019	3.38	8.10
	7/30/2019	4.12	7.36
	2/18/2020	2.73	8.75
	8/11/2020	3.88	7.60
	2/10/2021	2.76	8.72
	8/18/2021	4.17	7.31
	2/28/2022	3.27	8.21
	8/1/2022	4.14	7.34
	8/29/2023	4.42	7.06
MW-9A (11.57)	9/10/2015	3.94	7.63
	12/11/2015	1.80	9.77
	3/29/2016	2.04	9.53
	10/6/2016	3.85	7.72
	1/30/2017	2.99	8.58
	4/25/2017	2.80	8.77
	6/28/2017	3.37	8.20
	10/23/2017	3.75	7.82
	1/15/2018	2.20	9.37
	4/10/2018	2.25	9.32
	7/9/2018	3.65	7.92
	10/24/2018	4.03	7.54
	1/17/2019	2.94	8.63
	4/15/2019	3.11	8.46
	7/30/2019	4.01	7.56
	2/18/2020	2.45	9.12
	8/11/2020	3.80	7.77
	2/10/2021	2.16	9.41
	8/18/2021	4.04	7.53
	2/28/2022	3.05	8.52
	8/1/2022	4.12	7.45
	8/29/2023	4.28	7.29

Table A-1: Groundwater Elevations
Cumulative Groundwater Monitoring Summary Table

Monitoring Well (TOC Elevation)	Date	Depth to Water (Feet Below TOC)	Groundwater Elevation (Feet Above MSL)
MW-9B (11.52)	9/10/2015	3.11	8.41
	12/11/2015	2.09	9.43
	3/29/2016	2.17	9.35
	10/6/2016	3.87	7.65
	1/30/2017	2.95	8.57
	4/25/2017	2.86	8.66
	6/28/2017	3.32	8.20
	10/23/2017	3.71	7.81
	1/15/2018	2.49	9.03
	4/10/2018	2.41	9.11
	7/9/2018	3.62	7.90
	10/24/2018	3.97	7.55
	1/17/2019	2.93	8.59
	4/15/2019	3.24	8.28
	7/30/2019	3.92	7.60
	2/18/2020	2.65	8.87
	8/11/2020	3.58	7.94
	2/10/2021	2.70	8.82
	8/18/2021	3.97	7.55
	2/28/2022	3.24	8.28
	8/1/2022	4.06	7.46
	8/29/2023	4.21	7.31
MW-10A (10.71)	9/10/2015	3.24	7.47
	12/11/2015	1.31	9.40
	3/29/2016	1.96	8.75
	10/6/2016	3.13	7.58
	1/30/2017	2.21	8.50
	4/25/2017	2.02	8.69
	6/28/2017	2.57	8.14
	10/23/2017	2.97	7.74
	1/15/2018	1.57	9.14
	4/10/2018	1.51	9.20
	7/9/2018	2.53	8.18
	10/24/2018	3.16	7.55
	1/17/2019	2.11	8.60
	4/15/2019	2.03	8.68
	7/30/2019	3.15	7.56
	2/18/2020	1.68	9.03
	8/11/2020	2.87	7.84
	2/10/2021	1.70	9.01
	8/18/2021	3.15	7.56
	2/28/2022	2.29	8.42
	8/1/2022	3.08	7.63
	8/29/2023	3.42	7.29

Table A-1: Groundwater Elevations
Cumulative Groundwater Monitoring Summary Table

Monitoring Well (TOC Elevation)	Date	Depth to Water (Feet Below TOC)	Groundwater Elevation (Feet Above MSL)
MW-10B (10.72)	9/10/2015	3.56	7.16
	12/11/2015	1.43	9.29
	3/29/2016	1.98	8.74
	10/6/2016	3.05	7.67
	1/30/2017	2.19	8.53
	4/25/2017	2.04	8.68
	6/28/2017	2.51	8.21
	10/23/2017	2.90	7.82
	1/15/2018	1.74	8.98
	4/10/2018	1.83	8.89
	7/9/2018	2.76	7.96
	10/24/2018	3.10	7.62
	1/17/2019	2.12	8.60
	4/15/2019	2.39	8.33
	7/30/2019	2.09	8.63
	2/18/2020	1.87	8.85
	8/11/2020	2.94	7.78
	2/10/2021	1.92	8.80
	8/18/2021	3.11	7.61
	2/28/2022	2.39	8.33
	8/1/2022	3.03	7.69
	8/29/2023	3.23	7.49
MW-11A (11.91)	7/30/2019	4.99	6.92
	7/30/2019	4.48	7.49
	2/18/2020	3.18	8.73
	8/11/2020	4.76	7.21
	2/10/2021	3.30	8.61
	8/18/2021	5.05	6.86
	2/28/2022	3.48	8.43
	8/1/2022	4.71	7.20
	8/29/2023	5.12	6.79
MW-11B (11.97)	2/18/2020	3.15	8.82
	8/11/2020	4.27	7.70
	2/10/2021	3.21	8.76
	8/18/2021	4.93	7.04
	2/28/2022	3.66	8.31
	8/1/2022	4.30	7.67
	10/4/2023	4.34	7.63
MW-12 (29.34)	7/30/2019	21.90	7.44
	2/18/2020	20.73	8.61
	8/12/2020	21.74	7.60
	2/10/2021	20.60	8.74
	8/18/2021	20.97	8.37
	2/28/2022	20.97	8.37
	8/1/2022	21.50	7.84
	8/29/2023	NM	-
MW-13 (28.27)	7/30/2019	20.95	7.32
	2/18/2020	20.03	8.24
	8/12/2020	20.94	7.33
	2/10/2021	19.57	8.70
	8/18/2021	19.94	8.33
	2/28/2022	20.23	8.04
	8/1/2022	20.97	7.30
	8/29/2023	NM	-

Table A-1: Groundwater Elevations
Cumulative Groundwater Monitoring Summary Table

Monitoring Well (TOC Elevation)	Date	Depth to Water (Feet Below TOC)	Groundwater Elevation (Feet Above MSL)
MW-14 (26.37)	7/30/2019	18.92	7.45
	2/18/2020	18.20	8.17
	8/12/2020	18.95	7.42
	2/10/2021	18.24	8.13
	8/18/2021	18.86	7.51
	2/28/2022	18.22	8.15
	8/1/2022	18.68	7.69
	8/29/2023	NM	-
MW-15 (11.85)	7/30/2019	5.74	6.11
	7/30/2019	6.85	5.65
	8/11/2020	4.38	8.12
	2/10/2021	4.37	7.48
	8/18/2021	5.18	6.67
	2/28/2022	4.36	7.49
	8/1/2022	4.94	6.91
	8/29/2023	5.10	6.75
MW-16 (12.50)	2/18/2020	4.92	7.58
	8/11/2020	6.70	5.80
	2/10/2021	4.97	7.53
	8/18/2021	6.71	5.79
	2/28/2022	5.61	6.89
	8/1/2022	6.84	5.66
	8/29/2023	NM	-
MW-17 (12.20)	7/30/2019	6.36	5.84
	2/18/2020	7.35	8.52
	2/18/2020	4.82	11.05
	8/11/2020	6.21	9.66
	2/10/2021	4.85	7.35
	8/18/2021	6.35	5.85
	2/28/2022	5.79	6.41
	8/1/2022	6.06	6.14
	8/29/2023	6.28	5.92
MW-18 (15.87)	2/18/2020	7.35	8.52
	8/11/2020	8.38	7.49
	2/10/2021	7.34	8.53
	8/18/2021	8.46	7.41
	2/28/2022	7.73	8.14
	8/1/2022	8.22	7.65
	8/29/2023	NM	-

Table A-1: Groundwater Elevations
Cumulative Groundwater Monitoring Summary Table

Monitoring Well (TOC Elevation)	Date	Depth to Water (Feet Below TOC)	Groundwater Elevation (Feet Above MSL)
MW-19 (11.57)	2/18/2020	3.28	8.29
	8/11/2020	4.41	7.16
	2/10/2021	3.21	8.36
	8/18/2021	4.36	7.21
	2/28/2022	3.23	8.34
	8/1/2022	4.04	7.53
	8/29/2023	4.27	7.30
MW-20 (11.89)	2/18/2020	2.64	9.25
	8/11/2020	4.72	7.17
	2/10/2021	2.61	9.28
	8/18/2021	5.02	6.87
	2/28/2022	3.63	8.26
	8/1/2022	4.79	7.10
	8/29/2023	4.88	7.01

Notes

Top of Casing (TOC) elevations surveyed by W&H Pacific in November 2006 and Signature Surveying & Mapping in October 2015 and July 2019

A - MW-1 casing re-surveyed by Signature Surveying & Mapping in April 2018 and May 2019. Revised elevation is presented in column 1 and used to calculate groundwater elevation beginning with April 2018 event.

Table A-2: Water Quality Parameters
Cumulative Groundwater Monitoring Summary Table

Sample ID	Sample Date	Temperature (°C)	Conductivity (mS/cm)	TDS (g/L)	TDS (mg/L)	DO (mg/L)	pH	ORP (mV)	Salinity
MW-1	9/9/2015	22.00	0.909	0.591	591	0.18	7.56	-101.2	--
	12/10/2015	13.24	0.721	0.469	469	0.18	11.38	-210.1	--
	6/23/2016	16.66	0.849	0.551	551	0.64	6.99	-163.2	--
	1/30/2017	10.11	0.635	0.412	412	0.2	7.63	-138.7	--
	6/28/2017	17.14	0.932	0.605	605	0.17	6.88	-82.1	--
	1/15/2018	11.83	0.773	0.509	509	0.31	7.51	-182	--
	7/10/2018	17.88	0.138	0.09	90	0.19	7.09	-137.2	--
	1/17/2019	11.71	0.802	0.522	522	0.41	7.53	-184.1	--
	7/31/2019	18.64	0.648	--	--	0.86	7.11	-98.3	0.35
	2/18/2020	11.02	0.763	0.492	492	0.18	7.68	27.6	--
	8/12/2020	18.3	0.93	--	--	0.11	7.09	-108.4	
	2/11/2021	10.59	0.753	--	490	0.45	7.34	-131.8	
	8/18/2021	19.7	0.995	--	--	0.24	7.24	-166.4	
	3/1/2022	10.6	1.011	--	--	0.17	7.8	-130.1	
MW-2	9/10/2015	16.59	11.87	7.716	7,716	3.19	7.47	-6.2	--
	12/11/2015	9.08	7.058	4.588	4,588	9.84	11.58	-41.3	--
	3/29/2016	10.15	8.185	5.325	5,325	5.3	6.34	-66	--
	7/30/2019	15.73	8.301	--	--	3.61	7.4	10.3	5.64
	3/1/2022	9.5	11.92	--	--	7.52	8.22	161.7	
MW-3	12/11/2015	12.83	4.444	2.889	2,889	0.24	12.13	-100.7	--
	3/29/2016	11.13	2.256	1.467	1,467	0.46	6.57	-130.9	--
	1/30/2017	10.33	4.567	2.97	2,970	0.22	7.08	-113.5	--
	6/28/2017	16.04	1.448	0.941	941	0.21	6.82	-106	--
	1/15/2018	11.24	1.773	0.152	152	0.64	7.15	-158.2	--
	7/9/2018	16.54	0.358	0.232	232	0.42	7.09	-131.8	--
	1/17/2019	10.20	4.356	2.829	2,829	2.16	7.23	-73	--
	7/31/2019	18.32	1.321	--	--	1.41	6.94	-207.7	0.8
	2/18/2020	10.97	1.139	0.725	725	0.63	7.35	80.2	--
	8/12/2020	17.9	1.52	--	--	0.4	6.74	106.9	
	2/11/2021	10.4	1.27	--	825	0.34	7.24	-42	
	8/18/2021	18.7	1.793	--	--	0.59	7.1	-86.1	
	3/1/2022	11.4	1.011	--	--	0.21	7.48	-31.1	
MW-4	9/9/2015	17.69	0.129	0.084	84	0.86	6.94	-60.2	--
	12/10/2015	11.39	0.097	0.064	64	5.51	9.4	-109	--
	3/28/2016	10.03	0.124	0.081	81	7.44	5.52	-26.2	--
	6/23/2016	14.82	0.143	0.093	93	4.33	6.39	-44.4	--
	1/31/2017	8.58	0.101	0.066	66	9.26	6.93	91.6	--
	6/28/2017	15.8	0.137	0.089	89	4.5	6.48	-47.5	--
	1/15/2018	9.40	0.098	0.64	640	11.22	6.76	181.2	--
	7/9/2018	16.07	0.026	0.017	17	4.25	6.65	35	--
	1/17/2019	10.67	0.096	0.062	62	7.37	7.38	31.1	--
	7/30/2019	16.89	0.067	--	--	2.06	6.47	60.5	0.04
	2/28/2022	8.32	0.039	--	--	4.44	6.4	130.8	
	8/1/2022	17	0.11	--	--	4.6	7.1	-55	
	8/29/2023	18	400	--	--	2.2	6.9	193	

Table A-2: Water Quality Parameters
Cumulative Groundwater Monitoring Summary Table

Sample ID	Sample Date	Temperature (°C)	Conductivity (mS/cm)	TDS (g/L)	TDS (mg/L)	DO (mg/L)	pH	ORP (mV)	Salinity
MW-5	9/9/2015	20.72	0.848	0.551	551	0.18	6.79	-34.4	--
	12/11/2015	11.28	0.507	0.33	330	0.3	10.75	-30.1	--
	3/29/2016	12.20	1.114	0.724	724	0.44	5.64	-1.3	--
	6/23/2016	14.21	0.947	0.615	615	0.59	7.54	-201.6	--
	10/6/2016	15.24	1.129	0.732	732	0.49	6.99	-1.2	--
	1/31/2017	9.97	0.978	0.635	635	0.27	6.79	-16.6	--
	4/25/2017	11.28	1.087	0.707	707	0.32	6.41	48.2	--
	6/29/2017	13.67	0.899	0.584	584	0.32	9.26	-46.5	--
	10/23/2017	16.23	0.677	0.438	438	1.07	--	29.6	--
	1/15/2018	10.06	1.101	0.715	715	0.61	6.62	41.9	--
	4/10/2018	11.07	0.781	0.509	509	0.47	6.65	38.9	--
	7/9/2018	14.64	0.205	0.133	133	0.58	6.8	-87.9	--
	10/24/2018	14.58	1.178	0.764	764	2.69	6.6	-17.5	--
	1/17/2019	12.70	0.583	0.379	379	0.51	6.63	-102.2	--
	4/15/2019	10.04	0.694	0.451	451	1.18	6.67	-53.9	--
	7/30/2019	15.07	0.633	--	--	0.82	6.73	-139.1	0.37
	2/28/2022	9.9	0.2381	--	--	1.75	6.87	178.8	
MW-6	9/9/2015	19.06	33.86	22.01	22,010	0.71	5.71	10.5	--
	12/10/2015	11.31	9.373	6.091	6,091	0.2	9.48	-122.8	--
	3/29/2016	10.30	1.382	0.898	898	0.83	6.31	-40.1	--
	6/23/2016	16.33	8.51	5.531	5,531	0.76	6.09	-44.9	--
	1/31/2017	7.88	4.274	2.774	2,774	0.43	6.53	69.2	--
	6/29/2017	16.76	3.19	2.075	2,075	0.31	5.65	20.5	--
	1/15/2018	9.47	3.814	2.53	2,530	0.54	7.38	-50.2	--
	7/10/2018	16.84	0.551	0.358	358	0.32	5.99	-22.5	--
	1/17/2019	9.42	23.91	15.49	15,490	0.52	6.4	37	--
	7/31/2019	17.29	12.23	--	--	1.6	6.18	77.7	8.56-8.27
	2/19/2020	8.81	14.76	9.529	9,529	0.55	7.05	95.4	--
	8/11/2020	17	8.77	--	--	0.54	6.64	83.1	
	2/10/2021	9.53	11.78	--	7,677	0.47	6.99	79.3	
	8/19/2021	19.2	9.17	--	--	0.98	6.44	4.1	
	3/1/2022	9.7	6.88	--	--	1.7	7.16	160.8	
	8/2/2022	18	1.7	--	--	0.44	6.5	0.1	
	8/29/2023	19	26,200	--	--	0.54	5.9	207	
MW-7	9/9/2015	18.54	0.592	0.385	385	0.29	6.86	-111.3	--
	12/10/2015	8.31	0.183	0.118	118	3.46	8.8	-109.7	--
	3/26/2016	10.27	0.218	0.141	141	0.87	6.14	-62.1	--
	6/24/2016	17.32	0.333	0.217	217	0.48	6.53	-79.2	--
	1/31/2017	5.84	0.301	0.196	196	0.87	6.23	138.2	--
	6/29/2017	17.70	0.242	0.157	157	0.17	6.46	-28.3	--
	1/15/2018	7.81	0.102	0.066	66	9.9	6.42	101.4	--
	7/10/2018	16.76	0.069	0.045	45	0.26	6.33	-74.6	--
	1/17/2019	10.52	0.296	0.193	193	0.4	6.41	-24.6	--
	7/30/2019	19.03	0.271	--	--	1	6.26	38.7	0.15
	2/19/2020	9.01	0.153	0.1	100	7.94	6.83	23.5	--
	8/11/2020	19.7	0.348	--	--	0.09	6.05	-5.8	--
	2/10/2021	9.38	0.24	--	157	0.46	7.18	36.2	--
	8/19/2021	21.1	0.581	--	--	0.34	6.21	-31.4	--
	2/28/2022	10.06	0.711	--	--	0.13	6.32	-101.7	--
	8/2/2022	18	1.4	--	--	0.52	6.9	-129	--
	8/29/2023	19	700	--	--	0.1	6.5	139	--

Table A-2: Water Quality Parameters
Cumulative Groundwater Monitoring Summary Table

Sample ID	Sample Date	Temperature (°C)	Conductivity (mS/cm)	TDS (g/L)	TDS (mg/L)	DO (mg/L)	pH	ORP (mV)	Salinity
MW-8A	9/9/2015	17.43	1.697	1.103	1,103	0.26	6.83	-134.2	--
	12/11/2015	12.44	0.968	0.629	629	0.44	12.01	-87.4	--
	3/28/2016	10.87	1.198	0.779	779	1.63	6.38	-95.4	--
	6/24/2016	14.62	1.539	1	1,000	0.54	7.24	-149.9	--
	10/6/2016	15.53	1.535	0.998	998	0.33	9.31	-43.9	--
	1/31/2017	10.99	1.344	0.874	874	0.29	6.64	-92.4	--
	4/25/2017	11.92	1.369	0.89	890	0.26	6.65	-89.3	--
	6/28/2017	13.49	1.509	0.981	981	0.2	5.93	-72.4	--
	10/23/2017	14.91	1.391	0.905	905	0.69	--	-72.1	--
	1/16/2018	11.97	1.189	0.773	773	0.43	6.55	-94.2	--
	4/10/2018	11.45	1.1	0.715	715	0.25	6.66	-117.3	--
	7/9/2018	14.95	0.311	0.202	202	0.44	6.55	-137.4	--
	10/24/2018	15.11	1.359	0.886	886	3.31	6.65	-104.1	--
	1/17/2019	12.95	1.297	0.843	843	0.39	6.71	-111.9	--
	4/15/2019	10.55	1.37	0.891	891	0.89	6.5	-41	--
	7/30/2019	14.87	1.045	--	--	1.65	6.45	-102.3	0.65
	2/19/2020	11.49	0.21	0.787	787	0.39	6.91	19.9	--
	8/11/2020	14.9	1.46	--	--	0.08	6.39	-48.4	--
	2/10/2021	10.92	1.226	--	797	0.14	7.13	-79.9	--
	8/19/2021	12.3	1.219	--	--	0.53	6.59	-54	--
	3/2/2022	10.7	2.023	--	--	21.87	7.19	18.73	--
MW-8B	9/9/2015	14.97	1.635	1.063	1,063	0.23	8.41	-118.5	--
	12/11/2015	13.15	0.974	0.633	633	0.5	12.01	-61.3	--
	3/26/2016	11.96	1.588	1.032	1,032	0.5	6.64	-113	--
	6/24/2016	14.33	1.011	0.656	656	0.56	7.66	-187.2	--
	10/6/2016	14.67	0.689	0.448	448	0.19	9.89	-43.4	--
	1/31/2017	12.29	0.716	0.465	465	0.35	7.39	-97.8	--
	4/25/2017	13.18	0.988	0.643	643	0.27	7.42	-112.5	--
	6/28/2017	13.78	0.869	0.565	565	0.22	7.24	-90.8	--
	10/23/2017	13.98	0.628	0.401	401	0.48	--	-84.9	--
	1/16/2018	12.65	0.954	0.62	620	0.49	7.79	-175.7	--
	4/10/2018	13.09	1.03	0.67	670	0.25	7.38	-143.8	--
	7/9/2018	14.18	0.185	0.12	120	0.22	7.47	-135.5	--
	10/24/2018	13.92	0.632	0.41	410	0.69	7.54	-74	--
	1/17/2019	13.22	0.833	0.542	542	0.16	8.76	-204.1	--
	4/15/2019	11.60	0.881	0.567	567	0.77	9.25	-125.5	--
	3/2/2022	12.90	1.104	--	--	11.16	7.9	-12.4	
MW-9A	9/10/2015	19.61	19.68	12.79	12,790	0.3	6.72	-69.9	--
	12/10/2015	10.66	2.811	1.83	1,830	1.31	9.28	-144.1	--
	3/29/2016	11.44	0.842	0.547	547	0.41	5.8	-36.1	--
	6/24/2016	15.15	10.39	6.743	6,743	0.39	7	-132.9	--
	1/30/2017	8.84	1.152	0.749	749	0.25	6.55	-67.4	--
	6/29/2017	15.81	6.55	4.259	4,259	0.2	5.72	-33.8	--
	1/15/2018	10.69	0.814	0.551	551	0.51	6.43	-55.1	--
	7/10/2018	14.85	0.816	0.532	532	0.3	6.32	-74.6	--
	1/17/2019	10.62	3.46	2.249	2,249	0.41	6.55	-73.2	--
	7/31/2019	15.74	1.674	--	--	1.43	6.58	-141.2	0.37
	3/2/2022	9	1.339	--	--	0.7	7.23	123.2	

Table A-2: Water Quality Parameters
Cumulative Groundwater Monitoring Summary Table

Sample ID	Sample Date	Temperature (°C)	Conductivity (mS/cm)	TDS (g/L)	TDS (mg/L)	DO (mg/L)	pH	ORP (mV)	Salinity
MW-9B	9/10/2015	15.11	0.515	0.335	335	0.18	7.75	-6.4	--
	12/10/2015	12.07	3.131	2.036	2,036	0.19	10.36	-159.4	--
	3/29/2016	12.64	2.183	1.421	1,421	0.4	6.48	-58.7	--
	6/24/2016	14.05	0.451	0.293	293	0.56	7.61	-143.4	--
	1/30/2017	12.36	0.385	0.25	250	0.22	8.28	-61.2	--
	6/29/2017	14.11	0.408	0.265	265	0.15	10.14	-63.1	--
	1/15/2018	13.17	0.399	0.259	259	0.18	7.96	-124.1	--
	7/10/2018	14.16	0.089	0.058	58	0.13	7.8	-148.8	--
	1/17/2019	12.65	0.371	0.242	242	0.61	7.79	-67.4	--
	7/31/2019	15.33	0.26	--	--	1.81	7.74	-128.4	0.17
	2/18/2020	12.46	0.366	0.238	238	0.28	8.1	64.1	--
	8/11/2020	16.2	0.37	--	--	0.11	7.57	11.9	--
	2/11/2021	11.93	0.358	--	233	0.09	8.11	-17.7	--
	8/18/2021	15.1	0.3632	--	--	0.29	8.09	-109	--
	3/2/2022	12.4	0.3299	--	--	0.2	7.82	46.6	--
MW-10A	9/10/2015	17.83	0.808	0.525	525	0.22	6.72	-75	--
	12/11/2015	10.53	0.291	0.189	189	0.28	11.2	-41.8	--
	3/29/2016	12.40	1.164	0.757	757	0.37	5.88	-47	--
	6/24/2016	14.16	0.7	0.455	455	0.56	7.06	-173	--
	10/6/2016	16.54	0.976	0.634	634	0.3	9.55	-47.4	--
	1/30/2017	10.94	0.96	0.624	624	0.24	6.42	-70.9	--
	4/25/2017	12.33	0.586	0.381	381	0.21	6.43	-68.4	--
	6/28/2017	14.04	1.001	0.651	651	0.26	5.48	-19.9	--
	10/23/2017	16.41	0.866	0.563	563	0.47	--	-40.3	--
	1/15/2018	10.97	0.363	0.236	236	0.35	6.36	-112.1	--
	4/10/2018	12.29	0.112	0.074	74	0.94	6.41	27.6	--
	7/10/2018	14.22	0.178	0.115	115	0.3	6.2	-64.9	--
	10/24/2018	15.42	1.0	0.647	647	2.59	6.19	-59.8	--
	1/17/2019	11.75	0.936	0.609	609	0.51	6.29	-97.5	--
	4/15/2019	10.09	0.732	0.481	481	1.1	6.36	-15.4	--
	7/31/2019	16.28	0.928	--	--	2.57	6.15	-132.1	0.54
	2/18/2020	9.42	0.459	0.297	297	0.68	6.45	49.2	--
	8/11/2020	16.3	0.9	--	--	0.05	5.98	34.7	--
	2/10/2021	9.81	0.516	--	331	0.26	6.56	-34.3	--
	8/18/2021	20.1	0.449	--	--	0.18	6.63	-26	--
	3/2/2022	9.8	1.068	--	--	1.12	6.46	93.7	--
MW-10B	9/10/2015	15.31	0.355	0.231	231	0.26	8.02	-28.2	--
	12/11/2015	12.41	0.249	0.163	163	0.11	12.04	-67.1	--
	3/29/2016	13.28	0.316	0.205	205	0.26	5.98	-23.8	--
	6/24/2016	13.69	0.31	0.201	201	0.35	7.3	-131.6	--
	10/6/2016	15.25	0.298	0.193	193	0.38	9.06	16.4	--
	1/30/2017	11.93	0.281	0.183	183	0.24	8.37	-21.2	--
	4/25/2017	12.87	0.307	0.2	200	0.24	7.9	-62.4	--
	6/28/2017	13.75	0.289	0.188	188	0.2	7.32	51	--
	10/23/2017	13.98	0.305	0.198	198	0.27	--	19.8	--
	1/15/2018	12.75	0.304	0.198	198	0.25	8.14	-147.1	--
	4/10/2018	12.96	0.306	0.198	198	0.12	8.11	-96.1	--
	7/10/2018	14.03	0.066	0.043	43	0.44	7.61	-15.1	--
	10/24/2018	14.13	0.306	0.194	194	1.09	7.8	14.4	--
	1/17/2019	12.37	0.295	0.192	192	0.23	8.01	-130.4	--
	4/15/2019	11.31	0.302	0.197	197	0.78	7.95	-102	--
	3/2/2022	12.6	0.2826	--	--	0.24	7.88	-16.3	--

Table A-2: Water Quality Parameters
Cumulative Groundwater Monitoring Summary Table

Sample ID	Sample Date	Temperature (°C)	Conductivity (mS/cm)	TDS (g/L)	TDS (mg/L)	DO (mg/L)	pH	ORP (mV)	Salinity
MW-11A	7/30/2019	17.93	0.537	--	--	0.75	6.89	-138.2	0.3
	2/19/2020	10.28	0.64	0.416	416	0.49	7	19.4	--
	8/11/2020	19.4	0.68	--	--	0.07	6.35	-25.9	--
	2/10/2021	10.54	0.662	--	430	0.16	6.84	-71.8	--
	8/18/2021	18.7	0.698	--	--	0.19	6.94	-118.1	--
	2/28/2022	9.7	0.505	--	--	0.33	6.64	119.2	--
MW-11B	2/28/2022	12.1	0.906	--	--	0.28	7.26	137.5	--
MW-12	8/1/2019	12.46	1.716	--	--	0.61	11.76	-457.9	1.26
	2/19/2020	10.77	1.848	1.201	1,201	0.53	7.59	28.9	--
	8/12/2020	11.9	1.84	--	--	0.08	11.09	20.9	--
	2/11/2021	10.4	1.896	--	1,237	0.45	7.47	-51	--
	8/19/2021	12.8	2.208	--	--	0.67	11.71	-307.7	--
	3/1/2022	11.8	1.648	--	--	0.34	7.42	-27.9	--
MW-13	8/1/2019	12.34	2.64	--	--	0.79	7.86	-267.1	1.84
	2/19/2020	11.16	4.889	3.188	3,188	0.28	8.66	43	--
	8/12/2020	11.9	3.86	--	--	0.12	8.23	-145.9	--
	2/11/2021	10.84	4.263	--	2,771	0.23	8.58	-85.8	--
	8/19/2021	12.7	3.456	--	--	3.17	8.15	-315.4	--
	3/1/2022	11.7	2.674	--	--	0.28	8.29	-55.4	--
MW-14	8/1/2019	12.63	4.704	--	--	1.51	7.52	-126	3.32
	2/19/2020	11.64	8.592	5.58	5,580	0.14	7.61	34.1	--
	8/12/2020	13	6.65	--	--	0.26	7.34	-126.5	--
	2/11/2021	10.95	7.974	--	5,174	0.39	7.21	-153.4	--
	8/18/2021	13	6.53	--	--	0.61	7.67	-173.6	--
	3/1/2022	12	7.63	--	--	0.31	7.45	-81.6	--
MW-15	7/31/2019	19.26	11.45	--	--	0.96	6.5	-368.1	7.43
	3/2/2022	9	8.09	--	--	0.81	6.99	-134.9	--
	8/1/2022	21	1.1	--	--	0.55	6.8	-330	--
	8/29/2023	22	6,600	--	--	0.06	6.5	95	--
MW-16	7/31/2019	18.29	0.599	--	--	1.46	6.98	-191.3	0.38
	2/28/2022	9.06	0.61	--	--	0.12	6.89	-128.1	--
MW-17	7/30/2019	16.43	0.464	--	--	0.8	6.6	-70	0.28
	2/19/2020	14.16	0.591	0.385	385	0.4	7.08	10.6	--
	8/11/2020	17.3	0.576	--	--	0.09	6.43	-69.8	--
	2/10/2021	14.13	0.574	--	373	0.19	7	-124.8	--
	8/19/2021	17	0.691	--	--	0.4	6.77	-133.9	--
	2/28/2022	12.63	0.547	--	--	0.18	6.64	-148	--

Table A-2: Water Quality Parameters
Cumulative Groundwater Monitoring Summary Table

Sample ID	Sample Date	Temperature (°C)	Conductivity (mS/cm)	TDS (g/L)	TDS (mg/L)	DO (mg/L)	pH	ORP (mV)	Salinity
MW-18	2/18/2020	12.34	1.377	0.895	895	0.24	7.89	70	--
	8/11/2020	14.5	1.06	--	--	0.09	7.31	8.2	--
	2/11/2021	12.15	1.119	--	735	0.15	7.51	-71.4	--
	8/18/2021	14.9	1.044	--	--	0.34	7.64	-131.3	--
	3/1/2022	12.7	1.054	--	--	0.45	7.84	110.3	--
MW-19	2/18/2020	9.43	0.786	0.51	510	0.54	6.19	30.9	--
	8/11/2020	21.6	1.11	--	--	0.07	5.83	26.1	--
	2/11/2021	8.73	0.838	--	545	3.64	6.74	0.1	--
	8/18/2021	21.3	4.868	--	--	0.36	6.09	-48.7	--
	2/28/2022	9.3	0.911	--	--	0.84	6.29	163.8	--
	8/1/2022	20	0.23	--	--	3.1	6.3	-184	--
	8/29/2023	22	9880	--	--	0.08	6.1	149	--
MW-20	2/28/2022	10.6	0.604	--	--	0.44	6.42	116.8	--

Notes

MW indicates Monitoring Well

TDS indicates Total Dissolved Solids

mS/cm indicates millisiemens per centimeter

-- indicates no collected measurement

Table A-3: Total Petroleum Hydrocarbons
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Total Petroleum Hydrocarbons [A] (µg/L)					
			TPH-Gx Gasoline Range		TPH-Dx Diesel Range		TPH-Dx Heavy Oil Range	
			Value	Qual	Value	Qual	Value	Qual
SLR Groundwater Monitoring Well Sampling								
MW-1	MW-1-GW	9/9/2015	45	J	301		218	J
	MW-1-1215	12/10/2015	40	J	333		386	
	-- [C]	--	-		--		--	
	MW1-062316	6/23/2016	-		267		341	
	MW1-0117	1/30/2017	-		255		342	J
	MW-1-0617	6/28/2017	-		356		412	
	MW-1-0118	1/15/2018	-		153	J	146	J
	MW-1-0718	7/10/2018	-		265		369	
	MW-1-0119	1/17/2019	-		222		234	J
MW-2	MW-2-GW	9/10/2015	58	J	<100		<250	
	MW-2-121115	12/11/2015	<100		<100		<250	
	MW2-032916	3/29/2016	-		<100		<250	
	MW-2-0719	7/31/2019	-		<200		243	J
MW-3	-- [B]	--	-		--		--	
	MW-3-121115	12/11/2015	<100		87	J	85	J
	MW3-032916	3/29/2016	-		37	J	<250	
	-- [D]	--	-		--		--	
	MW-3-0117	1/30/2017	-		<250		<500	
	MW-3-0617	6/28/2017	-		125	J	164	J
	MW-3-0118	1/15/2018	-		163	J	451	
	MW-3-0718	7/9/2018	-		132	J	123	J
	MW-3-0119	1/17/2019	-		<200		<250	
MW-4	MW-4-GW	9/9/2015	44	J	<100		<250	
	MW-4-1215	12/10/2015	<100		37	J	<250	
	MW4-032816	3/28/2016	-		<100		<250	
	MW-4-0617	6/28/2017	-		<200		<250	
	MW-4-0118	1/15/2018	-		68	J	262	
	MW-4-0718	7/9/2018	-		<200		<250	
	MW-4-0119	1/17/2019	-		259		<250	

Table A-3: Total Petroleum Hydrocarbons
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Total Petroleum Hydrocarbons [A] (µg/L)					
			TPH-Gx Gasoline Range		TPH-Dx Diesel Range		TPH-Dx Heavy Oil Range	
			Value	Qual	Value	Qual	Value	Qual
SLR Groundwater Monitoring Well Sampling								
MW-5	MW-5-GW	9/9/2015	69	J	423		173	J
	MW-5-121115	12/11/2015	42	J	385		294	
	MW5-032816	3/29/2016	-		189		<250	
	MW5-062316	6/23/2016	-		1,340		186	J
	MW-5-1016	10/6/2016	-		2,380		168	J
	MW-5-0117	1/30/2017	-		848		565	
	MW-5-0417	4/25/2017	-		363		310	
	MW-5-0617	6/29/2017	-		1,860		207	J
	MW-5-1017	10/23/2017	-		1,310		519	
	MW-5-0118	1/15/2018	-		568		433	
	MW-5-0418	4/10/2018	-		435		270	
	MW-5-0718	7/9/2018	-		1,250		222	J
	MW-5-1018	10/24/2018	-		1,340		149	J
	MW-5-0119	1/17/2019	-		1,070		280	
	MW-5-0419	4/15/2019	-		560		179	J
MW-6	MW-6-GW	9/9/2015	38	J	<100		<250	
	MW-6-1215	12/10/2015	<100		62	J	93	J
	MW6-032916	3/29/2016	-		62	J	<250	
	MW6-062316	6/23/2016	-		<100		<250	
	MW-6-0117	1/31/2017	-		<250		173	J
	MW-6-0617	6/29/2017	-		<200		87	J
	MW-6-0118	1/15/2018	-		<200		95	J
	MW-6-0718	7/10/2018	-		<200		<250	
	MW-6-0119	1/17/2019	-		<200		<250	
MW-7	MW-7-GW	9/9/2015	37	J	80	J	<250	
	MW-7-1215	12/10/2015	<100		69	J	88	J
	MW7-032816	3/28/2816	-		<100		<250	
	MW7-062416	6/24/2016	-		96	J	<250	
	MW-7-0117	1/31/2017	-		96	J	180	J
	MW-7-0617	6/29/2017	-		217		242	J
	MW-7-0118	1/15/2018	-		<200		92	J
	MW-7-0718	7/10/2018	-		<200		109	J
	MW-7-0119	1/17/2019	-		122	J	99	J

Table A-3: Total Petroleum Hydrocarbons
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Total Petroleum Hydrocarbons [A] (µg/L)					
			TPH-Gx Gasoline Range		TPH-Dx Diesel Range		TPH-Dx Heavy Oil Range	
			Value	Qual	Value	Qual	Value	Qual
SLR Groundwater Monitoring Well Sampling								
MW-8A	MW-8A-GW	9/9/2015	2,760		31,700		2,360	J
	MW-8A-121115	12/11/2015	2,090		32,100		<12,500	
	MW8A-032816	3/28/2016	-		32,000		2,650	J
	MW8A-062416	6/24/2016	-		12,000		<1,250	
	MW-8A-1016	10/6/2016	-		60,300		4,890	J
	MW-8A-0117	1/31/2017	-		59,200		11,200	
	MW-8A-0417	4/25/2017	-		43,800		7,120	
	MW-8A-0617	6/28/2017	-		64,500		9,090	
	MW-8A-1017	10/23/2017	-		68,900		<12,500	
	MW-8A-0118	1/16/2018	-		32,700		3,450	J
	MW-8A-0418	4/10/2018	-		52,900		8,060	
	MW-8A-0718	7/9/2018	-		49,900		5,060	
	MW-8A-1018	10/24/2018	-		119,000		22,800	
	MW-8A-0119	1/17/2019	-		51,100		4,420	
	MW-8A-0419	4/15/2019	-		46,900		4,660	J
MW-8B	MW-8B-GW	9/9/2015	3,160		24,100		<5,000	
	MW-8B-121115	12/11/2015	2,000		131,000		20,100	J
	MW8B-032816	3/28/2016	-		52,000		<4,120	
	MW8B-062416	6/24/2016	-		23,400		1,410	
	MW-8B-1016	10/6/2016	-		55,700		<8,250	
	MW-8B-0117	1/31/2017	-		59,500		4,650	
	MW-8B-0417	4/25/2017	-		68,000		3,520	
	MW-8B-0617	6/28/2017	-		95,400		14,000	
	MW-8B-1017	10/23/2017	-		70,400		<12,500	
	MW-8B-0118	1/16/2018	-		38,300		2,090	J
	MW-8B-0418	4/10/2018	-		68,200		2,470	J
	MW-8B-0718	7/9/2018	-		225,000		50,000	
	MW-8B-1018	10/24/2018	-		57,300		2,990	
	MW-8B-0119	1/17/2019	-		108,000		17,100	
	MW-8B-0419	4/15/2019	-		52,700		6,900	

Table A-3: Total Petroleum Hydrocarbons
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Total Petroleum Hydrocarbons [A] (µg/L)					
			TPH-Gx Gasoline Range		TPH-Dx Diesel Range		TPH-Dx Heavy Oil Range	
			Value	Qual	Value	Qual	Value	Qual
SLR Groundwater Monitoring Well Sampling								
MW-9A	MW-9A-GW	9/10/2015	221		154		92	J
	MW-9A-1215	12/10/2015	<100		138		157	J
	MW9A-032916	3/29/2016	-		44	J	<250	
	MW9A-062416	6/24/2016	-		68	J	<250	
	MW-9A-0117	1/30/2017	-		106	J	<500	
	MW-9A-0617	6/29/2017	-		104	J	90	J
	MW-9A-0118	1/15/2018	-		<200		94	J
	MW-9A-0718	7/10/2018	-		72	J	102	J
	MW-9A-0119	1/17/2019	-		77	J	<250	
MW-9B	MW-9B-GW	9/10/2015	34	J	<100		<250	
	MW-9B-1215	12/10/2015	<100		<100		<250	
	MW9B-032916	3/29/2016	-		<100		<250	
	MW9B-062416	6/24/2016	-		<100		<250	
	MW-9B-0117	1/30/2017	-		<250		<500	
	MW-9B-0617	6/29/2017	-		<200		<250	
	MW-9B-0118	1/15/2018	-		<200		<250	
	MW-9B-0718	7/10/2018	-		<200		<250	
	MW-9B-0119	1/17/2019	-		<200		<250	
MW-10A	MW-10A-GW	9/10/2015	2,590		14,700		<5,000	
	MW-10A-121115	12/11/2015	2,890		8,620		1,610	
	MW10A-032916	3/29/2016	-		9,980		1,590	
	MW10A-062416	6/24/2016	-		66,900		33,200	
	MW10A-013017	1/30/2017	-		11,000		1,930	J
	MW10A-0417	4/25/2017	-		8,820		589	J
	MW-10A-0617	6/28/2017	-		17,800		1,800	J
	MW-10A-1017	10/23/2017	-		29,400		2,430	
	MW-10A-0118	1/15/2018	-		7,970		1,850	
	MW-10A-0418	4/10/2018	-		14,700		3,530	
	MW-10A-0718	7/10/2018	-		30,500		3,510	
	MW-10A-1018	10/24/2018	-		35,200		3,790	
	MW-10A-0119	1/17/2019	-		16,700		2,720	
	MW-10A-0419	4/15/2019	-		8,830		1,930	

Table A-3: Total Petroleum Hydrocarbons
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Total Petroleum Hydrocarbons [A] (µg/L)					
			TPH-Gx Gasoline Range		TPH-Dx Diesel Range		TPH-Dx Heavy Oil Range	
			Value	Qual	Value	Qual	Value	Qual
SLR Groundwater Monitoring Well Sampling								
MW-10B	MW-10B-GW	9/10/2015	300		1,410		<250	
	MW-10B-121115	12/11/2015	189		809		<250	
	MW10B-032916	3/29/2016	-		457		<250	
	MW10B-062416	6/24/2016	-		518		234	J
	MW-10B-1016	10/6/2016	-		294		<165	
	MW-10B-0117	1/30/2017	-		332		<500	
	MW-10B-0417	4/25/2017	-		222		<250	
	MW-10B-0617	6/28/2017	-		259		<250	
	MW-10B-1017	10/23/2017	-		192	J	<250	
	MW-10B-0118	1/15/2018	-		139	J	<250	
	MW-10B-0418	4/10/2018	-		140	J	<250	
	MW-10B-0718	7/10/2018	-		66	J	<250	
	MW-10B-1018	10/24/2018	-		298		<250	
	MW-10B-0119	1/17/2019	-		91	J	<250	
	MW-10B-0419	4/15/2019	-		76	J	<250	
MW-11A	MW-11A-0719	7/30/2019	-		584		176	J
	MW-11A-0220	2/19/2020	-		<200		<250	
	MW-11A-0820	8/11/2020	-		454		103	J
	MW-11A-0221	2/10/2021	-		183	J	<250	J
	MW-11A-0821	8/18/2021	-		596		116	J
MW-17	MW-17-0719	7/30/2019	-		251		119	J

Notes
Bold indicates detected at or above the practical quantitation limit (PQL)
<2.0 indicates not detected above the laboratory PQL of 2.0 micrograms per liter (µg/L)
A - Total Petroleum Hydrocarbons (TPH) per NWTPH-Gx and NWTPH-Dx methodologies

Laboratory Qualifiers
J - The identification of the analyte is acceptable; the reported value is an estimate.

Table A-4: Carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs)
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Polynuclear Aromatic Compounds (PAHs) [A] (µg/L)														cPAH TEQ [B]	
			Carcinogenic PAHs															
			Benzo(a) anthracene		Benzo(a) pyrene		Benzo(b) fluoranthene		Benzo(k) fluoranthene		Chrysene		Dibenzo(a,h) anthracene		Indeno (1,2,3-cd) pyrene		U = 0	U = 1/2
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual		
MW-1	MW-1-GW	9/9/2015	**0.009**	J	<0.05		**0.003**	J	<0.05		<0.05		<0.05		<0.05		**0.001**	**0.034**
	MW-1-1215	12/10/2015	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		ND	**0.038**
	MW-1-0719	7/31/2019	**0.019**		**0.017**		**0.019**		**0.019**		**0.021**		**0.016**		**0.018**		**0.026**	**0.026**
	MW-1-0220	2/18/2020	**0.002**	J	<0.01		**0.002**	J	<0.01		**0.003**	J	<0.01		<0.01		**0.0004**	**0.007**
	MW-1-0820	8/12/2020	<0.01	H	<0.01	H	<0.01	H	<0.01	H	**0.003**	J,H	<0.01	H	<0.01	H	**0.00003**	**0.008**
	MW-1-0221	2/11/2021	**0.001**	J	<0.01		<0.01		<0.01		**0.002**	J	<0.01		<0.01		**0.0001**	**0.007**
	MW-1-0821	8/18/2021	**0.001**	J	<0.01		**0.0009**	J	<0.01		**0.002**	J	<0.01		<0.01		**0.0002**	**0.007**
	MW-1-0822	8/1/2022	**0.001**	J,B	**0.004**	J,B	**0.005**	J,B	**<0.003**		0.003	J,B	**0.002**	J,B	**0.004**	J,B	**0.005**	**0.005**
	MW-1-0823	8/29/2023	<0.006		<0.005		<0.005		<0.008		<0.008		<0.008		<0.008		**0.004**	**0.009**
MW-2	MW-2-GW	9/10/2015	**0.008**	J	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		**0.001**	**0.036**
	MW-2-121115	12/11/2015	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		ND	**0.038**
	MW2-032916	3/29/2016	**0.009**	J	<0.05		**0.003**	J	<0.05		<0.05		<0.05		<0.05		**0.001**	**0.034**
	MW-2-0719	7/30/2019	<0.01		<0.01		**0.0008**	J	<0.01		**0.001**	J	<0.01		<0.01		**0.0001**	**0.0071**
MW-3	MW-3-121115	12/11/2015	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		ND	**0.038**
	MW3-032916	3/29/2016	**0.013**	J	<0.05		**0.005**	J	<0.05		<0.05		<0.05		<0.05		**0.002**	**0.034**
	MW-3-0719	7/31/2019	**0.002**	J	**0.003**	J	**0.003**	J	<0.01		**0.004**	J	<0.01		**0.002**	J	**0.005**	**0.005**
MW-4	MW-4-GW	9/9/2015	**0.008**	J	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		**0.001**	**0.036**
	MW-4-1215	12/10/2015	**0.005**	J	<0.05		**0.01**	J	<0.05		<0.05		<0.05		<0.05		**0.002**	**0.034**
	MW4-032816	3/28/2016	<0.05		<0.05		**0.002**	J	<0.05		<0.05		<0.05		<0.05		**0.0002**	**0.035**
	MW4-062316	6/23/2016	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		ND	**0.038**
	MW-4-0719	7/30/2019	**0.001**	J	<0.01		**0.001**	J	<0.01		**0.002**	J	<0.01		<0.01		**0.0002**	**0.007**
MW-5	MW-5-GW	9/9/2015	**0.36**		**0.17**		**0.20**		**0.093**		**1.0**		**0.049**	J	**0.095**		**0.26**	**0.26**
	MW-5-121115	12/11/2015	**0.077**		**0.033**	J	**0.041**	J	**0.0156**	J	**0.054**		**0.012**	J	**0.015**	J	**0.050**	**0.050**
	MW5-032816	3/29/2016	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		ND	**0.038**
	MW5-062316	6/23/2016	**1.8**		**0.90**		**1.1**		**0.32**		**1.1**		**0.095**	J	**0.26**		**1.3**	**1.3**
	MW5-0117	1/30/2017	**23**		**13**		**17**		**7.0**		**19**		<0.05		**4.8**		**18**	**18**
	MW-5-0617	6/29/2017	**0.60**		**0.18**		**0.29**		**0.070**	B	**0.31**		**0.019**	J,B	**0.058**		**0.29**	**0.29**
	MW-5-0118	1/15/2018	**2.3**		**1.4**		**1.9**		**0.60**		**1.3**		**0.18**		**0.50**		**1.9**	**1.9**
	MW-5-0718	7/9/2018	**1.0**		**0.46**		**0.68**		**0.18**		**0.57**		**0.054**		**0.16**		**0.65**	**0.65**
	MW-5-0119	1/17/2019	**3.4**		**1.9**		**2.6**		**0.72**		**2.3**		**0.22**		**0.74**		**2.7**	**2.7**
MW-6	MW-6-GW	9/9/2015	**0.007**	J	<0.05		**0.002**	J	<0.05		<0.05		<0.05		<0.05		**0.001**	**0.034**
	MW-6-1215	12/10/2015	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		ND	**0.038**
	MW6-032916	3/29/2016	**0.012**	J	<0.05		**0.006**	J	<0.05		<0.05		<0.05		<0.05		**0.002**	**0.035**
	MW6-062316	6/23/2016	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		ND	**0.038**
	MW-6-0117	1/31/2017	<0.05		<0.05		**0.008**	J	<0.05		<0.05		<0.05		<0.05		**0.001**	**0.071**
	MW-6-0617	6/29/2017	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		ND	**0.038**
	MW-6-0118	1/15/2018	<0.095		<0.095		**0.006**	J,B	<0.095		<0.095		<0.095		<0.095		**0.001**	**0.068**
	MW-6-0718	7/10/2018	**0.27**		**0.12**		**0.18**		**0.060**		**0.24**		**0.009**	J	**0.029**		**0.17**	**0.17**
	MW-6-0119	1/17/2019	<0.0041		<0.0116		**0.005**	J,B	<0.0136		<0.0108		<0.00396		<0.0148		**0.001**	**0.008**
	MW-6-0719	7/31/2019	**0.005**	J	**0.005**	J	**0.006**	J	**0.005**	J	**0.006**	J	**0.004**	J	**0.005**	J	**0.008**	**0.008**
	MW-6-0822	8/2/2022	<0.008		<0.002		<0.0005		<0.003		<0.0009		<0.001		**0.001**	J,B	0	**0.002**
	MW-6-0823	8/29/2023	<0.006		<0.005		<0.005		<0.008		<0.008		<0.008		<0.008		**0.004**	**0.009**

Table A-4: Carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs)
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Polynuclear Aromatic Compounds (PAHs) [A] (µg/L)														cPAH TEQ [B]	
			Carcinogenic PAHs															
			Benzo(a) anthracene		Benzo(a) pyrene		Benzo(b) fluoranthene		Benzo(k) fluoranthene		Chrysene		Dibenzo(a,h) anthracene		Indeno (1,2,3-cd) pyrene		U = 0	U = 1/2
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual		
MW-7	MW-7-GW	9/9/2015	**0.013**	J	<0.05		**0.003**	J	<0.05		<0.05		<0.05		<0.05		**0.002**	**0.034**
	MW-7-1215	12/10/2015	**0.01**	J	<0.05		**0.007**	J	<0.05		<0.05		<0.05		<0.05		**0.002**	**0.034**
	MW7-032816	3/28/2016	**0.009**	J	<0.05		**0.004**	J	<0.05		<0.05		<0.05		<0.05		**0.001**	**0.034**
	MW7-062416	6/24/2016	<0.05		<0.05		**0.003**	J,B	<0.05		<0.05		<0.05		<0.05		**0.0003**	**0.036**
	MW-7-0117	1/31/2017	<0.05		<0.05		**0.003**	J	<0.05		<0.05		<0.05		<0.05		**0.0003**	**0.036**
	MW-7-0617	6/29/2017	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		ND	**0.038**
	MW-7-0118	1/15/2018	<0.05		<0.05		**0.005**	J,B	<0.05		<0.05		<0.05		<0.05		**0.0005**	**0.036**
	MW-7-0718	7/10/2018	**0.047**	J	**0.022**	J	**0.029**	J	<0.05		**0.052**		<0.05		<0.05		**0.03**	**0.04**
	MW-7-0119	1/17/2019	**0.029**	J	**0.014**	J	**0.020**	J,B	<0.0136		**0.019**	J	<0.00394		<0.0148		**0.02**	**0.02**
	MW-7-0719	7/30/2019	**0.001**	J	**<0.01**		**0.001**	J	<0.01		**0.002**	J	<0.01		<0.01		**0.0002**	**0.007**
	MW-7-0822	8/2/2022	**0.001**	J,B	<0.002		**0.002**	J,B	<0.003		**0.002**	J,B	<0.001		**0.001**	J,B	0	**0.002**
	MW-7-0823	8/29/2023	<0.006		<0.005		<0.005		<0.008		<0.008		<0.008		<0.008		**0.004**	**0.009**
MW-8A	MW-8A-GW	9/9/2015	**7.9**		**4.9**		**5.4**		**2.1**	J	**9.9**		**0.63**	J	**1.5**	J	**6.7**	**6.7**
	MW-8A-121115	12/11/2015	**6.6**		**4.2**		**5.0**		**2.2**		**6.2**		**0.627**		**1.5**		**5.9**	**5.9**
	MW8A-032816	3/28/2016	**3.0**	**J**	<5.0		**1.7**	**J**	<5.0		**1.9**	**J**	<5.0		<5.0		**0.49**	**3.7**
	MW8A-062416	6/24/2016	**17**		**9.3**		**13**		**5.4**		**14**		**1.0**	J	**2.7**	J	**13**	**13**
	MW-8A-1016	10/6/2016	**8.0**		**6.4**		**7.5**		**3.0**		**10**		**0.956**	J	**2.0**		**8.6**	**8.6**
	MW-8A-0117	1/31/2017	**2,020**		**1,110**		**1,580**		**533**		**1,300**		**21**		**426**		**1,581**	**1,581**
	MW-8A-0417	4/25/2017	**71**		**37**		**54**		**19**		**45**		**6.6**		**14**		**54**	**54**
	MW-8A-0467	6/28/2017	**5.1**		**2.7**		**3.6**		**1.4**		**4.7**		**0.51**		**0.99**		**3.9**	**3.9**
	MW-8A-1017	10/23/2017	**4.3**		**2.2**		**3.1**		**0.87**		**3.1**		<0.1		**0.67**		**3.1**	**3.1**
	MW-8A-0118	1/16/2018	**9.0**		**1.1**		**6.6**		**2.7**		**7.1**		**1.4**		**1.7**		**3.3**	**3.3**
	MW-8A-0418	4/10/2018	**204**		**97**		**147**		**39**		**127**		**20**		**42**		**143**	**143**
	MW-8A-0718	7/9/2018	**11**		**5.4**		**7.5**		**2.8**		**10**		**0.85**		**1.9**		**7.9**	**7.9**
	MW-8A-1018	10/24/2018	**357**		**160**		**243**		**78**		**199**		**23**		**61**		**238**	**238**
	MW-8A-0119	1/17/2019	**28**		**15**		**22**		**5.1**		**18**		**1.8**		**6.3**		**21**	**21**
	MW-8A-0419	4/15/2019	**4.3**		**2.4**		**3.5**		**1.2**		**3.4**		**0.42**		**0.90**		**3.5**	**3.5**
MW-8B	MW-8B-GW	9/9/2015	**7.3**		**3.2**	J	**4.1**	J	**1.6**	J	**5.3**		<5		<5		**4.6**	**5.1**
	MW-8B-121115	12/11/2015	**1,830**		**998**		**1,320**		**463**		**1,460**		**128**		**300**		**1,417**	**1,417**
	MW8B-032816	3/28/2016	**232**		**131**		**202**		**51**		**191**		<1.0		**45**		**186**	**186**
	MW8B-062416	6/24/2016	**3.3**		**2.0**	J	**2.6**		**1.0**	J	**2.3**		<2		<2		**2.7**	**2.9**
	MW-8B-1016	10/6/2016	**13**	J	**9.5**	J	**10**	J	<25		**14**	J	<25		<25		**12**	**16**
	MW-8B-0117	1/31/2017	**24**		**13**		**17**		**6.7**		**19**		<0.1		**5.1**		**18**	**18**
	MW-8B-0417	4/25/2017	**19**		**11**		**13**		**6.5**		**17**		<0.05		**4.5**		**15**	**15**
	MW-8B-0617	6/28/2017	**28**		**15**		**25**		**7.0**		**21**		**2.1**		**5.6**		**22**	**22**
	MW-8B-1017	10/23/2017	**8.6**	J	**5.6**	J	**7.6**	J	**5.0**	J	**7.9**	J	**2.1**	J	<10		**8.0**	**8.5**
	MW-8B-0118	1/16/2018	**16**		**9.0**		**13**		**3.8**		**13**		**1.5**		**3.7**		**13**	**13**
	MW-8B-0418	4/10/2018	**52**		**31**		**44**		**16**		**44**		**6.3**		**13**		**44**	**44**
	MW-8B-0718	7/9/2018	**19**		**10**		**15**		**3.8**		**17**		**1.7**		**3.7**		**14**	**14**
	MW-8B-1018	10/24/2018	**61**		**28**		**43**		**12**		**52**		**3.5**		**9.1**		**41**	**41**
	MW-8B-0119	1/17/2019	**109**		**61**		**80**		**30**		**84**		**7.8**		**23.7**		**87**	**87**
	MW-8B-0419	4/15/2019	**19**		**11**		**17**		**4.2**		**15**		**1.0**		**3.1**		**16**	**16**

Table A-4: Carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs)
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Polynuclear Aromatic Compounds (PAHs) [A] (µg/L)															
			Carcinogenic PAHs														cPAH TEQ [B]	
			Benzo(a) anthracene		Benzo(a) pyrene		Benzo(b) fluoranthene		Benzo(k) fluoranthene		Chrysene		Dibenzo(a,h) anthracene		Indeno (1,2,3-cd) pyrene		U = 0	U = 1/2
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual		
MW-9A	MW-9A-GW	9/10/2015	**0.040**	J	<0.05		**0.012**	J	<0.05		**0.023**	J	<0.05		<0.05		**0.005**	**0.038**
	MW-9A-1215	12/10/2015	**0.034**	J	**0.024**	J	**0.036**	J	<0.05		**0.043**	J	<0.05		<0.05		**0.031**	**0.038**
	MW9A-032916	3/29/2016	**0.026**	J	**0.0126**	J	**0.020**	J	<0.05		**0.019**	J	<0.05		<0.05		**0.017**	**0.025**
	MW9A-062416	6/24/2016	**0.031**	J,B	<0.05		**0.009**	J,B	<0.05		**0.018**	J	<0.05		<0.05		**0.004**	**0.037**
	MW-9A-0117	1/30/2017	**0.060**		**0.0306**	J	**0.047**	J	**0.0155**	J	**0.061**		<0.05		**0.017**	J	**0.045**	**0.048**
	MW-9A-0617	6/29/2017	**0.032**	J,B	**0.061**	B	**0.011**	J,B	<0.05		**0.020**	J,B	<0.05		<0.05		**0.065**	**0.073**
	MW-9A-0118	1/15/2018	**0.236**		**0.044**	J	**0.069**		**0.0258**	J	**0.147**		**0.005**	J	<0.05		**0.14**	**0.14**
	MW-9A-0718	7/10/2018	**0.039**	J	<0.05		**0.015**	J	<0.05		**0.021**	J	<0.05		<0.05		**0.01**	**0.04**
	MW-9A-0119	1/17/2019	**0.053**		**0.018**	J	**0.025**	J,B	<0.0136		**0.039**	J	<0.00396		<0.0148		**0.03**	**0.03**
	MW-9A-0719	7/31/2019	**0.014**		**0.003**	J	**0.004**	J	<0.01		**0.015**		<0.01		**0.001**	J	**0.005**	**0.006**
MW-9B	MW-9B-GW	9/10/2015	**0.036**	J	**0.018**	J	**0.024**	J	<0.05		**0.032**	J	<0.05		<0.05		**0.026**	**0.028**
	MW-9B-1215	12/10/2015	**0.011**	J	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		**0.001**	**0.036**
	MW9B-032916	3/29/2016	**0.011**	J	<0.05		**0.004**	J	<0.05		<0.05		<0.05		<0.05		**0.002**	**0.034**
	MW9B-062416	6/24/2016	**0.011**	J,B	<0.05		**0.004**	J,B	<0.05		<0.05		<0.05		<0.05		**0.002**	**0.034**
	MW-9B-0117	1/30/2017	<0.05		<0.05		**0.007**	J	<0.05		**0.012**	J	<0.05		<0.05		**0.001**	**0.036**
	MW-9B-0617	6/29/2017	**0.008**	J,B	<0.05		<0.05		<0.05		<0.05		<0.05		<0.05		**0.001**	**0.036**
	MW-9B-0118	1/15/2018	**0.051**		**0.012**	J	**0.018**	J,B	<0.05		**0.028**	J	**0.005**	J,B	<0.05		**0.020**	**0.025**
	MW-9B-0718	7/10/2018	**0.041**	J	<0.05		**0.019**	J	<0.05		**0.028**	J	<0.05		<0.05		**0.01**	**0.04**
	MW-9B-0119	1/17/2019	**0.023**	J	<0.0116		**0.012**	J,B	<0.0136		**0.013**	J	<0.00396		<0.0148		**0.004**	**0.01**
	MW-9B-0719	7/31/2019	**0.024**		**0.016**		**0.015**		**0.009**	J	**0.024**		**0.003**	J	**0.007**	J	**0.022**	**0.022**
	MW-9B-0220	2/18/2020	**0.006**	J	**0.004**	J	<0.01		<0.01		**0.007**	J	<0.01		<0.01		**0.005**	**0.007**
	MW-9B-0820	8/12/2020	**0.034**	H	**0.017**	H	**0.016**	H	**0.012**	H	**0.035**	H	**0.002**	J,H	**0.005**	H,J	**0.024**	**0.024**
	MW-9B-0221	2/11/2021	**0.003**	J	<0.01		**0.001**	J	<0.01		**0.003**	J	<0.01		<0.01		**0.0004**	**0.007**
	MW-9B-0821	8/18/2021	**0.002**	J	<0.01		**0.003**	J	<0.01		**0.003**	J	<0.01		**0.001**	J	**0.0006**	**0.007**
MW-10A	MW-10A-GW	9/10/2015	**11**		**6.8**		**8.5**		**2.6**		**8.1**		**0.87**		**2.2**		**9.4**	**9.4**
	MW-10A-121115	12/11/2015	**37**		**22**		**29**		**8.7**		**26**		**2.4**		**6.4**		**30**	**30**
	MW10A-032916	3/29/2016	**1,060**		**601**		**723**		**296**		**822**		**70**		**181**		**842**	**842**
	MW10A-062416	6/24/2016	**31**		**20**		**26**		**12**		**28**		**1.9**	J	**5.7**		**28**	**28**
	MW10A-0117	1/30/2017	**35**		**14**	J	**26**		**13**	J	**34**		<25		<25		**22**	**25**
	MW-10A-0617	6/28/2017	**11**		**5.2**		**7.9**		**2.5**		**6.9**		**0.66**		**1.9**		**7.7**	**7.7**
	MW-10A-0118	1/15/2018	**28**		**15**		**21**		**6.7**		**20**		**1.8**		**4.7**		**21**	**21**
	MW-10A-0718	7/10/2018	**84**		**45**		**58**		**24**		**62**		**6.1**		**16**		**64**	**64**
	MW-10A-0119	1/17/2019	**1,050**		**531**		**707**		**202**		**756**		**65**		**221**		**763**	**763**

Table A-4: Carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs)
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Polynuclear Aromatic Compounds (PAHs) [A] (µg/L)														cPAH TEQ [B]	
			Carcinogenic PAHs															
			Benzo(a) anthracene		Benzo(a) pyrene		Benzo(b) fluoranthene		Benzo(k) fluoranthene		Chrysene		Dibenzo(a,h) anthracene		Indeno (1,2,3-cd) pyrene		U = 0	U = 1/2
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual		
MW-10B	MW-10B-GW	9/10/2015	**1.0**		**0.25**		**0.30**		**0.12**		**0.58**		<0.05		**0.055**		**0.40**	**0.41**
	MW-10B-121115	12/11/2015	**0.57**		**0.095**		**0.12**		**0.047**	J	**0.34**		<0.05		**0.021**	J	**0.17**	**0.18**
	MW10B-032916	3/29/2016	**0.58**		**0.090**		**0.13**		**0.0662**		**0.26**		<0.05		**0.028**	J	**0.17**	**0.18**
	MW10B-062416	6/24/2016	**0.63**		**0.056**		**0.10**		**0.0366**	J	**0.25**		<0.05		<0.05		**0.13**	**0.14**
	MW10B-0117	1/30/2017	**1.7**		**0.62**		**0.88**		**0.33**		**1.2**		<0.05		**0.21**		**0.95**	**0.95**
	MW-10B-0617	6/28/2017	**0.66**		**0.090**	B	**0.18**	B	**0.0627**	B	**0.35**		<0.05		**0.023**	J	**0.19**	**0.19**
	MW-10B-0118	1/15/2018	**0.91**		**0.23**		**0.36**		**0.12**		**0.63**		**0.029**	J	**0.073**		**0.39**	**0.39**
	MW-10B-0718	7/10/2018	**0.29**		**0.064**		**0.11**		**0.041**	J	**0.16**		<0.05		**0.017**	J	**0.11**	**0.11**
	MW-10B-0119	1/17/2019	**0.19**		**0.22**		**0.29**		**0.098**		**0.28**		**0.019**	J	**0.086**		**0.29**	**0.29**
MW-11A	MW-11A-0719	7/30/2019	**0.004**	J	**0.004**	J	**0.005**	J	**0.004**	J	**0.005**	J	**0.004**	J	**0.004**	J	**0.006**	**0.006**
MW-13	MW-13-0719	8/1/2019	**0.007**	J	**0.006**	J	**0.006**	J	**0.006**	J	**0.009**	J	**0.005**	J	**0.005**	J	**0.009**	**0.009**
MW-15	MW-15-0719	7/31/2019	<0.01		<0.01		<0.01		<0.01		**0.001**	J	<0.01		<0.01		**0.00001**	**0.008**
	MW-15-0822	8/1/2022	<0.0008		<0.002		**0.001**	J,B	<0.003		**0.001**	J,B	<0.001		<0.001		0	**0.001**
	MW-15-0823	8/29/2023	<0.006		<0.005		<0.005		<0.008		<0.008		<0.008		<0.008		**0.004**	**0.009**
MW-19	MW-19-0822	8/1/2022	**0.025**	J,B	**0.003**	J,B	**0.004**	J,B	<0.003		**0.022**	J,B	<0.001		<0.001		**0.006**	**0.006**
	MW-19-0823	8/29/2023	**0.035**	J,B	<0.005		<0.005		<0.008		**0.029**	J,B	<0.008		<0.008		**0.004**	**0.008**

Notes
Bold indicates detected at or above the practical quantitation limit (PQL)
<2.0 indicates not detected above the laboratory PQL of 2.0 micrograms per liter (µg/L)
A - Carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs) EPA 8270-SIM Method (8270-LL method beginning with July 2019)
B - Toxic equivalent quotient (TEQ) values using a value of 0 for non-detect results (U=0) or using a value of 1/2 detection limit for non-detect results (U=1/2)

Laboratory Qualifiers
B - The same analyte is found in the associated blank.
J - The identification of the analyte is acceptable; the reported value is an estimate.

Table A-5: Volatile Organic Compounds (VOCs)
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Volatile Organic Compounds (VOCs) [A] (µg/L)											
			Benzene		Ethylbenzene		Naphthalene		Toluene		1,2,4-Trimethyl benzene		Xylenes	
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
SLR Monitoring Well Sampling Event														
MW-1	MW-1-GW	9/9/2015	<0.50		<0.50		<0.50		<0.50		<0.50		<1.5	
	MW-1-1215	12/10/2015	<1		<1		<5		<5		<1		<3	
MW-2	MW-2-GW	9/10/2015	<0.50		<0.50		<0.50		<0.50		<0.50		<1.5	
	MW-2-121115	12/11/2015	<1		<1		1.1	J	<5		<1		<3	
MW-3	-- [B]	--	--		--		--		--		--		--	
	MW-3-121115	12/11/2015	<1		<1		<5		<5		<1		<3	
MW-4	MW-4-GW	9/9/2015	<0.50		<0.50		<0.50		<0.50		<0.50		<1.5	
	MW-4-1215	12/10/2015	<1		<1		<5		<5		<1		<3	
	MW4-062316	6/23/2016	--		--		<0.25		--		--		--	
MW-5	MW-5-GW	9/9/2015	0.55		<0.50		153		<0.50		0.71		<1.5	
	MW-5-121115	12/11/2015	<1		<1		21		<5		<1		<3	
	MW5-062316	6/23/2016	<1		--		300		--		--		--	
	MW5-0117	1/30/2017	<1		--		81		--		--		--	
	MW-5-0617	6/29/2017	0.20	J	--		1,110	J0	--		--		--	
	MW-5-0118	1/15/2018	0.61		--		47		--		--		--	
	MW-5-0718	7/9/2018	<0.50		--		312		--		--		--	
	MW-5-0119	1/17/2019	<0.50		--		44		--		--		--	
MW-6	MW-6-GW	9/9/2015	<0.50		<0.50		<0.50		<0.50		<0.50		<1.5	
	MW-6-1215	12/10/2015	<1		<1		<5		<5		<1		<3	
	MW6-02316	6/23/2016	<1		--		0.0199	J	--		--		--	
MW-7	MW-7-GW	9/9/2015	<0.50		<0.50		<0.50		<0.50		<0.50		<1.5	
	MW-7-1215	12/10/2015	<1		<1		<5		<5		<1		<3	
	MW7-062416	6/24/2016	<1		--		3.82		--		--		--	
MW-8A	MW-8A-GW	9/9/2015	36		40		11,600		73		38		110	
	MW-8A-121115	12/11/2015	14		28		11,700		35		38		81	
	MW8A-062416	6/24/2016	43		--		11,000		--		--		--	
	MW-8A-1016	10/6/2016	62		--		10,500		--		--		--	
	MW-8A-0117	1/31/2017	<250		--		12,700		--		--		--	
	MW-8A-0417	4/25/2017	22		--		11,900		--		--		--	
	MW-8A-0617	6/28/2017	36	J	--		12,900		--		--		--	
	MW-8A-1017	10/23/2017	137		--		14,000		--		--		--	
	MW-8A-0118	1/16/2018	<125		--		14,100		--		--		--	
	MW-8A-0418	4/10/2018	<125		--		11,500		--		--		--	
	MW-8A-0718	7/9/2018	38		--		14,000		--		--		--	
	MW-8A-1018	10/24/2018	160		--		14,400		--		--		--	
	MW-8A-0119	1/17/2019	90		--		12,000		--		--		--	
	MW-8A-0419	4/15/2019	45		--		12,000		--		--		--	
MW-8B	MW-8B-GW	9/9/2015	98		59		11,000		154		37		133	
	MW-8B-121115	12/11/2015	125		62		10,700		169		30		132	
	MW8B-062416	6/24/2016	99		--		8,650		--		--		--	
	MW-8B-1016	10/6/2016	109		--		11,900		--		--		--	
	MW-8B-0117	1/31/2017	111		--		12,600		--		--		--	
	MW-8B-0417	4/25/2017	99		--		10,100	J0	--		--		--	
	MW-8B-0617	6/28/2017	107		--		12,400	J0	--		--		--	
	MW-8B-1017	10/23/2017	119		--		13,700		--		--		--	
	MW-8B-0118	1/16/2018	101	J	--		13,100		--		--		--	
	MW-8B-0418	4/10/2018	116	J	--		11,800		--		--		--	
	MW-8B-0718	7/9/2018	113		--		14,900		--		--		--	
	MW-8B-1018	10/24/2018	109		--		15,900		--		--		--	
	MW-8B-0119	1/17/2019	123		--		12,800		--		--		--	
	MW-8B-0419	4/15/2019	119		--		12,900		--		--		--	
MW-9A	MW-9A-GW	9/10/2015	<0.50		<0.50		4.5		<0.50		0.36	J	<1.5	
	MW-9A-1215	12/10/2015	<1		<1		<5		<5		<1		<3	
	MW9A-062416	6/24/2016	<1		--		0.079	J	--		--		--	

Table A-5: Volatile Organic Compounds (VOCs)
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Volatile Organic Compounds (VOCs) [A] (µg/L)											
			Benzene		Ethylbenzene		Naphthalene		Toluene		1,2,4-Trimethyl benzene		Xylenes	
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
MW-9B	MW-9B-GW	9/10/2015	<0.50		<0.50		0.81		<0.50		<0.50		<1.5	
	MW-9B-1215	12/10/2015	<1		<1		<5		<5		<1		<3	
	MW9B-062416	6/24/2016	<1		--		0.071	J	--		--		--	
MW-10A	MW-10A-GW	9/10/2015	50		88		8,030		126		38		140	
	MW-10A-121115	12/11/2015	1.9	J	15		2,590		9	J	13		24	
	MW10A-062416	6/24/2016	18		--		5,730		--		--		--	
	MW10A-0117	1/30/2017	11		--		3,800		--		--		--	
	MW10A-0617	6/28/2017	25		--		5,530	J0	--		--		--	
	MW10A-0118	1/15/2018	3.9	J			3,240		--		--		--	
	MW10A-0718	7/10/2018	69				8,480		--		--		--	
	MW10A-0119	1/17/2019	13				9,990		--		--		--	
MW-10B	MW-10B-GW	9/10/2015	<0.50		1.6		548		1.3		2.8		3.3	
	MW-10B-121115	12/11/2015	<1		<1		137		<5		0.52	J	<3	
	MW10B-062416	6/24/2016	<1		--		17		--		--		--	
	MW10B-0117	1/30/2017	<1		--		315		--		--		--	
	MW10B-0617	6/28/2017	<12.5		--		1,880	J0	--		--		--	
	MW10B-0118	1/15/2018	<0.50		--		12		--		--		--	
	MW10B-0718	7/10/2018	<0.50		--		142		--		--		--	
	MW10B-0119	1/17/2019	<0.50		--		3.4		--		--		--	

Notes:
-- indicates Not Sampled or Not Analyzed for specific constituent
BOLD = Analytes detected at or above the practical quantitation limit (PQL)
<50 indicates not detected above the laboratory PQL of 50 µg/L (micrograms per Liter)
A - Select Volatile Organic Compounds (VOCs) per EPA Method 8260C
B - Monitoring Well MW-3 was not located during September 2015 sampling event

Laboratory Qualifiers
J - (EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J0 - Calibration verification outside of acceptance limits. Result is estimated.

Table A-6: PCB Congeners
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample ID	Sample Date	Polychlorinated Biphenyls [A] (pg/L)			
			Total PCBs		TEQ:U=1/2	
			Value	Qual	Value	Qual
MW-1	MW-1-0719	7/31/2019	150	J	0.099	
MW-2	MW-2-0719	7/31/2019	116	J	0.095	
MW-3	MW-3-0719	7/31/2019	784	J	0.12	
	MW-3-0220	2/18/2020	230		0.22	
	MW-3-0820	8/12/2020	443		0.08	
	MW-3-0221	2/11/2021	220		0.12	
	MW-3-0821	8/26/2021	424		0.09	
MW-4	MW-4-0719	7/31/2019	186	J	0.13	
MW-5	MW-5-0719	7/30/2019	126	J	0.14	
MW-6	MW-6-0719	7/31/2019	115	J	0.14	
MW-7	MW-7-0719	7/30/2019	388	J	0.17	
MW-8A	MW-8A-0719	7/30/2019	826	J	2.50	
MW-8B	MW-8B-0222	3/2/2022	998		0.32	
MW-9A	MW-9A-0719	7/31/2019	195	J	0.16	
MW-9B	MW-9B-0222	3/2/2022	127		0.21	
MW-10A	MW-10A-0719	7/31/2019	3,520	J	1.10	
	MW-10A-0220	2/18/2020	5,550		0.21	
	MW-10A-0820	8/11/2020	4,060		0.43	
	MW-10A-0221	2/11/2021	2,570		0.13	
	MW-10A-0821	8/26/2021	78,000		3.08	
	MW-10A-0222	3/2/2022	4,380		1.02	
MW-10B	MW-10B-0222	3/2/2022	17		1.02	
MW-11A	MW-11A-0719	7/30/2019	176	J	0.10	
MW-12	MW-12-0719	8/1/2019	5,270		0.18	
	MW-12-0220	2/18/2020	3,350		0.16	
	MW-12-0820	8/12/2020	5,010		0.15	
	MW-12-0221	2/11/2021	1,970		0.14	
	MW-12-0821	8/26/2021	2,900		0.09	
MW-13	MW-13-0719	8/1/2019	5,980		0.15	
	MW-13-0220	2/19/2020	20,100		0.21	
	MW-13-0820	8/12/2020	25,900		0.26	
	MW-13-0221	2/11/2021	16,500		0.12	
	MW-13-0821	8/26/2021	9,570		0.15	
MW-14	MW-14-0719	8/1/2019	10,200		0.16	
	MW-14-0220	2/19/2020	10,100		0.24	
	MW-14-0820	8/12/2020	8,300		0.09	
	MW-14-0221	2/11/2021	5,630		0.15	
	MW-14-0821	8/26/2021	4,330		0.11	

Table A-6: PCB Congeners
Cumulative Groundwater Monitoring Summary Table

MW-15	MW-15-0719	7/31/2019	222	J	0.17	
MW-16	MW-16-0719	7/31/2019	238	J	0.10	
MW-17	MW-17-0719	7/30/2019	181	J	0.07	
MW-18	MW-18-0220	2/18/2020	2,050		0.16	
	MW-18-0820	8/11/2020	1,500		0.11	
	MW-18-0221	2/11/2021	1,620		0.11	
	MW-18-0821	8/26/2021	1,240		0.09	
MW-19	MW-19-0220	2/18/2020	22,400		0.21	
	MW-19-0820	8/11/2020	25,200		0.10	
	MW-19-0221	2/11/2021	20,900		0.11	
	MW-19-0821	8/26/2021	29,700		0.11	

Notes

- indicates Not Sampled or Not Analyzed for specific constituent

BOLD = Analytes detected at or above the laboratory practical quantitation limit (PQL)

<0.40 indicates not detected above the laboratory PQL of 0.40 pg/L (picograms per liter)

Laboratory qualifiers defined on Table 4.1-21

A - Polychlorinated Biphenyl (PCB) Congeners per EPA Method 1668

Total PCBs indicates sum of 209 PCB congeners

TEQ U=1/2 indicates TEQ using TEFs for dioxin-like compounds per World Health Organization (WHO) assuming Non-Detect values as 1/2 detection limit

Table A-7: Metals
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Metals [A] (ug/L)																							
			Antimony		Arsenic		Beryllium		Cadmium		Chromium [B]		Copper		Lead		Nickel		Selenium		Silver		Thallium		Zinc		Mercury	
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
SLR Monitoring Well Sampling Event																										
MW-1	MW-1-0719	7/31/2019	<2.0		**3.0**		<2.0		<1.0		<2.0		**0.85**	J	**0.98**	J	<2.0		<2.0		<2.0		<2.0		**3.1**	J	<0.20	
MW-2	MW-2-0719	7/30/2019	<2.0		**2.3**		<2.0		<1.0		**0.78**	J	**0.89**	J	<2.0		**0.57**	J	<2.0		<2.0		<2.0		<25		<0.20	
MW-3	MW-3-0719	7/31/2019	<2.0		<2.0		<2.0		<1.0		**1.1**	J	<5.0		<2.0		<2.0		<2.0		<2.0		<2.0		<25		<0.20	
MW-4	MW-4-0719	7/30/2019	<2.0		**0.82**	J	<2.0		<1.0		<2.0		**0.62**	J	<2.0		**1.2**	J	**0.42**	J	<2.0		<2.0		<25		<0.20	
MW-5	MW-5-0719	7/30/2019	<2.0		**0.29**	J	<2.0		<1.0		**13**		**2.5**	J	<2.0		**0.84**	J	<2.0		<2.0		<2.0		<25		<0.20	
MW-6	MW-6-0719	7/31/2019	<2.0		**2.5**		<2.0		<1.0		<2.0		**0.65**	J	**0.48**	J	**78**		<2.0		<2.0		<2.0		**20**	J	<0.20	
	MW-6-0220	2/19/2020	<10		<10		<2.0		<2.0		<10		<10		**5.16**		**43**		<10		<5		**7.86**	**J**	<50		<0.20	
	MW-6-0220 [d]	2/19/2020	<10		<10		<2.0		**0.776**	J	<10		**11**		<5		**44**		<10		<5		<10		**10**	J	<0.20	
	MW-6-0820	8/11/2020	<10		<10		<2.0		**0.605**	J	<10		<10		<6		**33**		<10		<5		<10		<50		<0.20	
	MW-6-0221	2/10/2021	<4.0		**0.92**	J	<2.0		<1.0		**1.4**	J	**3.0**	J	<2.0		**36**		<2.0		<2.0		<2.0		**10**	J	<0.20	
	MW-6-0821	8/19/2021	<10		<10		<2.0		**1.12**	J	**1.61**	J	**4.38**	B J	<6.0		**80**		<10		<5.0		<10		**22**	J	<0.20	
MW-7	MW-7-0719	7/30/2019	<2.0		**14**		<2.0		<1.0		**0.79**	J	**0.70**	J	<2.0		**6.6**		<2.0		<2.0		<2.0		**7.3**	J	<0.20	
	MW-7-0220	2/19/2020	<10		<10		<2.0		<2.0		<10		<10		**3.92**	J	**5.7**	J	<10		<5		<10		**6.6**	J	<0.20	
	MW-7-0220 [d]	2/19/2020	<10		<10		<2.0		<2.0		<10		**11**		<5		**4.9**	J	<10		<5		<10		**10.6**	J	<0.20	
	MW-7-0820	8/11/2020	<10		**19.5**		<2.0		<2.0		<10		<10		<6		**8.6**	J	<10		<5		<10		<50		<0.20	
	MW-7-0221	2/10/2021	**1.4**	J	**3.1**		<2.0		<1.0		**1.6**	J	**3.8**	J	<2.0		**12**		<2.0		<2.0		<2.0		**13**	J	<0.20	
	MW-7-0821	8/19/2021	<10		**17**		<2.0		<2.0		**2.7**	J	**4.1**	B J	<6.0		**11.5**		**9.35**	B J	<5.0		<10		<50		<0.20	
MW-8A	MW-8A-0719	7/30/2019	**5.6**		**14**		<2.0		<1.0		**9.7**		**2.2**	J	**0.61**	J	**2.4**		**0.39**	J	<2.0		<2.0		<25		<0.20	
	MW-8A-0220	2/19/2020	<10		**7.9**	J	<2.0		<2.0		**2.1**	J	<10		**6.5**		<10		<10		<5		<10		<50		<0.20	
	MW-8A-0220 [d]	2/19/2020	<10		**7.3**	J	<2.0		<2.0		**1.9**		<10		**2.8**		<10		<10		<5		<10		<50		<0.20	
	MW-8A-0820	8/11/2020	**6.1**	J	**16**		<2.0		<2.0		**5.8**	J	<10		<6		<10		<10		<5		<10		<50		<0.20	
	MW-8A-0221	2/10/2021	**15**		**14**		<2.0		<1.0		**3.3**		3	J	<2.0		1.9	J	<2.0		<2.0		<2.0		<25		<0.20	
	MW-8A-0821	8/19/2021	<10.0		**23.2**		<2.0		<2.0		**5.55**	J	**4.3**	B J	<6.0		**3.4**	J	<10		<5.0		<10		<50		<0.20	
MW-9A	MW-9A-0719	7/31/2019	<2.0		**0.25**	J	<2.0		<1.0		**5.0**		**0.98**	J	<2.0		<2.0		<2.0		<2.0		<2.0		<25		<0.20	
MW-10A	MW-10A-0719	7/31/2019	<2.0		**5.0**		<2.0		<1.0		**3.5**		**5.4**		**0.76**	J	**1.8**	J	<2.0		<2.0		<2.0		**4.8**	J	<0.20	
MW-11A	MW-11A-0519	5/3/2019	<2.0		**6.0**	J6	<2.0		<1.0		**21**	J6 O1	**6.3**	B O1	**1.0**	J	**4.2**		**0.49**	J	<2.0		<2.0		**6.9**	B J O1	<0.20	
	MW-11A-0719	7/30/2019	<2.0		**4.6**		<2.0		<1.0		**22**		**2.9**	J	**0.36**	J	**1.1**	J	<2.0		<2.0		<2.0		<25		<0.20	
MW-12	MW-12-0519	5/3/2019	**6.6**		**19**		<2.0		<1.0		4.8		**7.3**	B	**11**		**7.7**		<2.0		<2.0		<2.0		**28**	B	<0.20	
	MW-12-0719	8/1/2019	**0.9**	J	**2.9**		<2.0		<1.0		<2.0		<5.0		<2.0		**2.3**		<2.0		<2.0		<2.0		<25		**0.12**	J
MW-13	MW-13-0519	5/3/2019	**2.1**		**4.4**		<2.0		<1.0		**2.5**		**46**		**24**		**3.0**		**0.68**	B J	<2.0		<2.0		**20**	B J	**0.066**	J
	MW-13-0719	8/1/2019	<2.0		**0.81**	J	<2.0		<1.0		**1.2**	J	**1.1**	J	**0.92**	J	**0.45**	J	<2.0		<2.0		<2.0		<25		<0.20	
MW-14	MW-14-0519	5/3/2019	<2.0		**17**		<2.0		<1.0		**3.6**		**7.4**	B	**2.1**		**2.9**		**0.41**	B J	<2.0		<2.0		**9.3**	B J	<0.20	
	MW-14-0719	8/1/2019	<2.0		**4.0**		<2.0		<1.0		**1.0**	J	**1.0**	J	**0.59**	J	**1.0**	J	<2.0		<2.0		<2.0		<25		<0.20	
MW-15	MW-15-0519	5/3/2019	<2.0		**0.59**		<2.0		<1.0		**1.3**		**1.2**		<2.0		<2.0		<2.0		<2.0		<2.0		<25		<0.2	
MW-16	MW-16-0519	5/3/2019	<2.0		**3.0**		<2.0		<1.0		**1.2**		**3.5**		**1.8**		**1.3**		<2.0		<2.0		<2.0		**4.0**		<0.2	

Table A-7: Metals
Cumulative Groundwater Monitoring Summary Table

MW-17	MW-17-0519	5/3/2019	<2.0		**44**		<2.0		<1.0		**6.4**		**2.3**	B J	**0.91**	J	**2.1**		**0.39**	B J	<2.0		<2.0		**3.8**	B J	<0.20	
	MW-17-0719	7/30/2019	<2.0		**77**		<2.0		<1.0		<2.0		<5.0		<2.0		<2.0		<2.0		<2.0		<2.0		<25		<0.20	
	MW-17-0220	2/19/2020	<10		**101**		<2.0		<2.0		<10		<10		**6.0**		<10		<10		<5		<10		<50		<0.20	
	MW-17-0220 [d]	2/19/2020	<10		**94**		<2.0		<2.0		**1.7**	J	**8.6**	J	<5		<10		<10		<5		<10		**7.5**	J	<0.20	
	MW-17-0820	8/11/2020	<10		**58**		<2.0		<2.0		<10		<10		<6		<10		<10		<5		<10		<50		<0.20	
	MW-17-0221	2/10/2021	<4.0		**91**		<2.0		<1.0		<2.0		3.0	J	<2.0		<2.0		<2.0		<2.0		<2.0		<25		<0.20	
	MW-17-0821	8/19/2021	<10		**69**		<2.0		<2.0		**1.44**	J	<10		<6.0		<10		<10		<5.0		<10		<50		<0.20	

Bold indicates detected at or above the practical quantitation limit (PQL)
<2.0 indicates not detected above the laboratory PQL of 2.0 micrograms per liter (µg/L)
A - Metals per EPA 6020B/7470A Methods
B - Chromium results and PCL are for Total Chromium
d - Analyzed for dissolved metals

Laboratory Qualifiers
B - The same analyte is found in the associated blank.
J - The identification of the analyte is acceptable; the reported value is an estimate.
J6 - The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1 - The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Table A-8: Dioxin/Furan
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Sample Date	Dioxins and Furans (pg/L) [A]																			
			2,3,7,8-Tetra CDD		1,2,3,7,8-Penta CDD		1,2,3,4,7,8-Hexa CDD		1,2,3,6,7,8-Hexa CDD		1,2,3,7,8,9-Hexa CDD		1,2,3,4,6,7,8-Hepta CDD		Octa CDD		2,3,7,8-Tetra CDF D		1,2,3,7,8-Penta CDF		2,3,4,7,8-Penta CDF	
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
SLR Monitoring Well Sampling Event																						
MW-1	MW-1-0719	7/31/2019	<3.68		<3.38		<4.92		<5.22		<5.16		<6.57		*<38.7*	J,B	<2.68		<2.77		<2.82	
MW-4	MW-4-0719	7/30/2019	<5.33		<5.66		<7.56		<7.61		<7.92		<6.33		*<40.9*	J,B	<3.45		<4.1		<4.46	
MW-6	MW6-1215	12/10/2015	<1.28		<1.74		<1.51		<1.52		<1.57		<2.52		23	J	<1.39		<1.03		<1.07	
	MW6-062316	6/23/2016	<0.80		<0.82		<1.1		<1.1		<1.1		<1.6		<1.7		<0.60		<0.88		<0.86	
	MW-6-0117	1/31/2017	<1.1		<2.0		<1.3		<1.32		<1.4		<1.49		8.9	J	<1.11		<0.88		<0.90	
	MW-6-0617	6/29/2017	<2.1		<1.9		<2.1		<2.1		<2.0		<1.5		<4.2		<1.4		<1.0		<1.1	
	MW-6-0118	1/15/2018	<1.6		<0.90		<0.69		<0.74		<0.70		<0.63		<3.9		<1.1		<0.57		<0.55	
	MW-6-0718	7/10/2018	<2.1		<2.46		<1.99		<2.17		<2.04		<1.16		9.30	EMPC,J	<2.16		<1.4		<1.28	
	MW-6-0119	1/17/2019	<1.73		<1.91		<1.59		<1.58		<1.48		2.78	J, B	<4.15		<1.34		<1.05		<1.02	
	MW-06-0822	8/2/2022	<1.89		<1.7		<2.26		<1.81		<1.84		5.48	J	20.90	J	<1.03		<1.43		<1.45	
	MW-06-0823	8/29/2023	<4.59		<3.8		<2.96		<2.94		<3.23		<4.34		<5.5		<2.41		<2.32		<2.26	
MW-7	MW7-1215	12/10/2015	<2.17		<2.87		3.6	EMPC,J	20		7.7	EMPC,J	566		4,830		<2.23		<1.73		<1.9	
	MW7-062416	6/24/2016	<1.2		<1.1		<1.4		<1.4		<1.4		7.6		66		<0.51		<0.98		<0.95	
	MW-7-0117	1/31/2017	<4.77		<5.85		<4.0		<4.05		<4.23		37		261	EMPC	<3.61		<3.95		<3.7	
	MW-7-0617	6/29/2017	<1.9		<1.6		<1.5		<1.6		<1.5		13	J,B	104		<1.3		<1.4		<1.5	
	MW-7-0118	1/15/2018	<1.6		<1.6		<1.4		<1.3		<1.3		80		665		<1.3		<1.3		<1.3	
	MW-7-0718	7/10/2018	<3.17		<2.66		<1.49		<1.68		<1.56		17.3	J	149		<2.09		<1.33		<1.15	
	MW-7-0119	1/17/2019	<1.63		<1.64		<1.78		<1.85		<1.62		43.3		353		<1.18		<0.99		<0.96	
	MW-07-0822	8/2/2022	<1.96		<1.89		<1.73		<1.47		<1.36		19.2	J	168		<1.07		<1.58		<1.76	
	MW-07-0823	8/29/2023	<3.1		<2.2		<3.41		<3.52		<3.61		8.84	J	53		<2.3		<1.55		<1.47	
MW-8A	MW8A-062416	6/24/2016	<0.84		<1.2		<1.4		1.2		<1.1		2.1		8.1		<1.1		<1.2		<1.2	
	MW-8A-0617	6/28/2017	<1.2		<2.2		<2.2		<1.8		3.82	EMPC,J	5.7	J,B	33	EMPC,J	<1.8		<2.1		<1.9	
	MW-8A-0718	7/9/2018	<3.86		<4.45		<2.54		<2.36		<2.8		<2.47		36	J	<3.35		<2.15		<2.13	
MW-9A	MW9A-1215	12/10/2015	<2.09		<3.31		<2.72		<2.83		<2.62		5.7	EMPC,J	29		<2.1		<1.44		<1.51	
	MW9A-062416	6/24/2016	<0.97		<1.4		<1.2		<1.2		<1.2		<1.2		3.8		<0.48		<1.0		<0.98	
	MW-9A-0617	6/29/2017	<1.4		<1.5		<1.4		<1.4		<1.3		<1.3		<5.6		<0.94		<1.2		<1.2	
	MW-9A-0718	7/10/2018	<1.99		<1.41		<1.33		<1.44		<1.37		2.3	J	<2.39		<1.16		<0.919		<0.842	
MW-15	MW-15-0719	7/31/2019	<5.11		<4.51		<6.8		<6.07		<6.73		<7.93		*<30.3*	J,B	<4.2		<2.91		<3.53	
MW-16	MW-16-0719	7/31/2019	<5.01		<5.31		<4.9		<5.28		<4.88		<7.36		*<28.1*	J,B	<3.63		<3.48		<3.4	

Notes

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Values in italics indicate presented value different than lab report following Level IV Data Validations

A - Dioxins and Furans per EPA 1613 Method

B - Toxic equivalent quotient (TEQ) values using a value of 0 for non-detect results (U=0) or using a value of 1/2 detection limit for non-detect results (U=1/2)

Laboratory Qualifiers

EMPC - Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined io-abundance ratio is outside the allowed theoretical range), or where thise is a co-eluting interference

J - Indicates that the analyte has a concentration below the reporting limit (lowest point of calibration curve)

Table A-8: Dioxin/Furan
Cumulative Groundwater Monitoring Summary Table

Sample Location	Sample Label	Dioxins and Furans (pg/L) [A]															
		1,2,3,4,7,8-Hexa CDF		1,2,3,6,7,8-Hexa CDF		2,3,4,6,7,8-Hexa CDF		1,2,3,7,8,9-Hexa CDF		1,2,3,4,6,7,8-Hepta CDF		1,2,3,4,7,8,9-Hepta CDF		Octa CDF		U = 0 [B]	U = 0.5 [B]
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Value
SLR Monitoring Well Sampling Even	SLR Monitoring Well Sampling Event																
MW-1	MW-1-0719	<4.96		<4.95		<5.08		<5.3		<7.48		<7.72		*<4.38*	J,B	*ND*	6.03
MW-4	MW-4-0719	<5.16		<5.4		<5.59		<6.06		<7.75		<6.68		*<10.8*	J,B	*ND*	8.78
MW-6	MW6-1215	<0.922		<0.958		<1.07		<1.42		<1.34		<2.04		<6.59		0.007	2.24
	MW6-062316	<0.65		<0.65		<0.66		<0.79		<1.1		<1.5		<1.3		ND	1.31
	MW-6-0117	<0.71		<0.72		<0.77		<1.0		<0.60		<0.80		<2.7		0.003	2.13
	MW-6-0617	<1.3		<1.3		<1.3		<1.5		<0.92		<0.90		<4.3		ND	2.48
	MW-6-0118	<0.51		<0.54		<0.57		<0.57		<0.37		<0.41		<1.6		ND	1.47
	MW-6-0718	<1.5		<1.51		<1.5		<1.69		<1.07		<1.03		<2.88		0.009	2.77
	MW-6-0119	<1.58		<1.53		<1.48		<1.55		<0.755		<0.964		<2.43		0.028	2.27
	MW-06-0822	<1.68		<1.67		<1.9		<1.87		<4.17	J,B	4.58	J	13	J	0.111	2.87
	MW-06-0823	<2.37		<2.4		<2.52		<3.14		<2.7		<3.28		<2.62		0.000	5.70
MW-7	MW7-1215	3.3	J	2.6	J	3.9	J	<2.83		73		<3.77		182		12	15
	MW7-062416	<1.1		<1.1		<1.1		<1.4		<0.81	1	<0.96		<2.0	1	0.10	1.88
	MW-7-0117	<2.61		<2.41		<2.64		<3.27		<2.7		<3.27		<10.7		0.45	7.74
	MW-7-0617	<0.96		<0.97		<0.96		<1.1		<1.3		<1.2		<3.5		0.23	2.47
	MW-7-0118	<0.68		<0.71		<0.75		<0.81		11	J	<0.58		16	EMPC,J	1.59	3.53
	MW-7-0718	<1.25		<1.38		<1.29		<1.51		2.88	J	<1.01		8.3	J	0.36	3.55
	MW-7-0119	<1.46		<1.45		<1.43		<1.39		6.52	J	<0.884		13.8	J	0.87	2.97
	MW-07-0822	<1.23		<1.32		<1.42		<1.39		<5.5	EMPC,J,B	<4.45		<3.23		0.24	3.04
	MW-07-0823	<1.36		<1.34		<1.42		<1.88		<1.35		<1.65		<2.88		0.10	4
MW-8A	MW8A-062416	<1.2		<1.0		<1.2		<1.4		<1.6	1	<1.4		3.4		0.024	1.74
	MW-8A-0617	<1.3		<1.5		<2.0		<1.5		2.5	J	1.78	EMPC,J	<2.3		0.082	2.69
	MW-8A-0718	<1.6		<1.61		<1.89		<2.13		<1.12		<1.2		6.29		0.036	4.61
MW-9A	MW9A-1215	<1.74		<1.85		<1.81		<2.51		1.6	EMPC,J	<3.54		<9.78		0.081	3.95
	MW9A-062416	<0.72		<0.72		<0.73		<0.87		<1.2		<1.5		<1.1		0.001	1.72
	MW-9A-0617	<0.92		<0.86		<0.90		<1.0		<0.93		<0.93		<3.4		ND	1.83
	MW-9A-0718	<0.785		<0.753		<0.813		<0.975		<0.764		<0.888		<2.04		0.023	2.05
MW-15	MW-15-0719	<4.06		<3.86		<4.71		<4.71		<4.94		<4.35		<5		*ND*	7.53
MW-16	MW-16-0719	<4.24		<4.01		<4.06		<4.43		<4.86		<4.6		<4.6		*ND*	7.59

Notes

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A - Dioxins and Furans per EPA 1613 Method

B - Toxic equivalent quotient (TEQ) values using a value of 0 for non-detect results (U=0) or using a value of 1/2 detection limit for non-detect results (U=1/2)

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