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Groundwater Monitoring Report
Second Quarter 2015
Gunderson LLC
Portland, Oregon

Prepared for:
Gunderson LLC

September 16, 2015
1935-01

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Expires 8/31/2016

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1.0 Introduction

This report was prepared by Apex Companies, LLC (Apex) to document the second quarter 2015 groundwater monitoring event at the Gunderson LLC (Gunderson) facility in Portland, Oregon (the Facility).

Facility Description. The Facility covers approximately 63 acres and 4,000 lineal feet of river frontage along the Willamette River between river mile 8.5 and 9.2 (Figure 1). The Facility is located at 4350 NW Front Avenue in Portland, Oregon and is bordered by Lakeside Industries on the northwest, NW Front Avenue and the Burlington Northern Santa Fe (BNSF) Railway on the southwest, Georgia-Pacific Corporation on the southeast, and the Willamette River on the northeast (Figure 2). The Facility is divided into three areas defined as follows (from downriver to upriver): Area 1, Area 2, and the Schnitzer ASD Yard (referred to in some historical reports as Area 3). Areas 1 and 2 are primarily used for manufacturing, while the Schnitzer ASD Yard is primarily used as a storage yard.

Groundwater Monitoring Program. The Gunderson groundwater monitoring program is conducted in accordance with the Oregon Department of Environmental Quality (DEQ) Voluntary Cleanup Program Agreement No. WMCVC NWR 94 01. In an email dated March 20, 2013, DEQ approved reducing the number of groundwater levels measured during the first and third quarter monitoring events to only include wells in Area 1.

In a letter dated May 15, 2014, DEQ authorized deactivation of the groundwater treatment system at Area 1. The system was deactivated on July 16, 2014. The groundwater monitoring program was modified, following system deactivation, to further evaluate post-treatment groundwater conditions. The modifications include collection and analysis of samples from wells MW-43 and MW-44 on a quarterly schedule (rather than the previous annual sampling schedule). The current groundwater monitoring program is summarized in Table 1.

2.0 Groundwater Monitoring Procedures

The second quarter 2015 groundwater monitoring event was conducted between June 25 and July 6, 2015. Groundwater monitoring consisted of measuring water levels, purging and sampling groundwater, and measuring groundwater field parameters.

2.1 Groundwater Level Measurement

On June 25, 2015, depth to groundwater was measured in select Facility monitoring wells to the nearest 0.01 foot using a water level probe. Groundwater elevations are presented in Table 2 and shown on Figure 3. Field sheets and historical groundwater levels are presented in Appendices A and B, respectively.

2.2 Groundwater Sampling Methods

Groundwater monitoring wells sampled during this event were purged using a peristaltic pump, applying low-flow techniques. Field parameters (temperature, pH, electrical conductivity, oxidation reduction potential [ORP], and dissolved oxygen [DO]) were monitored continuously using a flow-through cell. Purging was considered complete when the selected field parameters (temperature, pH, electrical conductivity) had stabilized for three consecutive three-minute intervals. The groundwater sampling field sheets are included in Appendix A. Groundwater sampling parameters are summarized in Table 3. Immediately after purging, groundwater samples were collected from the well into laboratory-supplied sample containers, marked with identifying information, and maintained under chain-of-custody protocols. Field duplicate samples were collected from wells WEX-60 and MW-17.

2.3 Groundwater Analyses

The groundwater samples were submitted to Apex Laboratories, located in Tigard, Oregon, for analysis. The samples were analyzed for one or more of the following:

- Volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (EPA) Method 8260b;
- Total petroleum hydrocarbons as diesel (TPHd) by Northwest Method NWTPHDx;
- Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 SIM;
- Phthalates by EPA Method 8270; and
- Total metals by EPA 6000/7000 series Methods.

The laboratory reports and a data quality review are provided in Appendix C.

3.0 Results Summary for Second Quarter 2015

Groundwater samples were collected from 21 monitoring wells and groundwater levels were measured in 36 monitoring wells during the second quarter 2015 monitoring event. Those wells are listed in Table 1.

For comparison purposes, groundwater analytical data were compared to the Portland Harbor Joint Source Control Strategy (JSCS) screening level values (SLVs; DEQ/EPA 2005). The SLVs were established to identify concentrations of hazardous substances that may pose a risk to sediment quality in the Willamette River. The actual risk that hazardous substances in groundwater (or other media) pose to the river sediment is dependent on a number of factors, including: (1) potential migration to the river; (2) current sediment quality; (3) persistence of the chemical in the environment; and (4) mass flux to the river. Therefore, an SLV exceedance does not necessarily indicate a significant risk to the river.

The risks that constituents in groundwater pose to the Willamette River are discussed in detail in the Supplemental Groundwater Source Control Evaluation Report (Apex, 2013).

3.1 Groundwater Elevation and Gradient

Groundwater elevations from the Gunderson Facility are presented in Table 2 and shown on Figure 3. Historical groundwater elevation data are included as Appendix B. Groundwater elevations are generally consistent with historical measurements. Based on groundwater elevations, groundwater generally flows in a northerly to northwesterly direction, toward the Willamette River.

3.2 Area 1 and Lakeside Industries Property

Twelve monitoring wells and one extraction well were sampled in Area 1 and the adjacent Lakeside Industries property. The samples were analyzed for VOCs. In addition, samples MW-62 and WEX-60 were analyzed for TPHd. Results for the second quarter 2015 groundwater monitoring event for Area 1 are presented in Table 4. Two compounds, tetrachloroethene (PCE), and trichloroethene (TCE), were detected above JSCS SLVs. PCE was detected above the SLV in seven wells; detected concentrations varied between 0.43 and 2.9 micrograms per liter (µg/L). The PCE SLV is 0.12 µg/L. TCE was detected above the SLV (0.17 µg/L) in four wells; detected concentrations varied between 0.28 and 1.03 µg/L. All detected concentrations that are above SLVs have decreased over the last four monitoring events. Based on a review of historical analytical data (included in Appendix D), VOC concentrations in Area 1 groundwater are generally stable or decreasing.

3.3 Area 2

Groundwater samples were collected from two monitoring wells in Area 2. The samples were analyzed for total metals, PAHs, phthalates, and/or VOCs. Results for the second quarter 2015 groundwater monitoring event for Area 2 are presented in Tables 5 and 6. Metals, including arsenic (2 wells) and manganese (2 wells), were detected above JSCS SLVs in wells MW-17 and MW-66. All VOCs, phthalates, and PAHs were either below SLVs or non-detect. Analytical results for Area 2 are generally consistent with previous data.

3.4 Schnitzer ASD Yard (Area 3)

Groundwater samples were collected from six monitoring wells at the Schnitzer ASD Yard. The samples were analyzed for total metals, TPHd, PAHs, and/or phthalates. Results for the second quarter 2015 groundwater monitoring event for the Schnitzer ASD Yard are presented in Table 7. Metals (including antimony [1 well], arsenic [6 wells], cadmium [1 well], lead [2 wells], and manganese [6 wells]), were detected above JSCS SLVs. TPHd, PAHs, and phthalates were either below JSCS screening levels or non-detect in all wells, with

the exception of PAHs in MW-73. In that well, only one PAH, 2-methynaphthalene, was above applicable SLV. Analytical results for the Schnitzer ASD Yard are generally consistent with previous data.

4.0 Summary

The second quarter 2015 groundwater monitoring event was conducted from June 25 to July 6, 2015. Depths to groundwater and analytical results were generally below or consistent with historical observations. VOC concentrations in some Area 1 wells minimally exceeded SLVs. Some PAHs minimally exceed SLVs in the Schnitzer ASD Yard wells.

5.0 References

Apex Companies, 2013. *Supplemental Groundwater Source Control Evaluation, Gunderson LLC, Portland, Oregon.* April 16, 2013.

DEQ/EPA, 2005. *Portland Harbor Joint Source Control Strategy.* December 2005.

DEQ, 2013. *Gunderson Groundwater Monitoring.* Electronic Communication. March 20, 2013.

DEQ, 2014. *Q4 2013 Groundwater Monitoring Report, Gunderson Facility, ECSI# 1155.* May 15, 2014.

Tables

Table 1
Groundwater Monitoring Program
Gunderson LLC
Portland, Oregon

Area	Monitoring Well	Total Depth (feet)	Screened Interval (feet)	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		VOCs	TPHd	PAHs	Phthalates	PCBs	Total Metals	Total Mercury
				gauge	sample	gauge	sample	gauge	sample	gauge	sample							
Area 1	MW-19	30.00	15 -30	X	--	X	--	X	--	X	X	X						
	MW-21	35.00	20-35	X	--	X	X	X	--	X	X	X						
	MW-22	35.00	20-35	X	--	X	--	X	--	X	X	X						
	MW-27	44.00	34-44	X	--	X	X	X	--	X	X	X						
	MW-36	52.50	47 -52	X	X	X	X	X	X	X	X	X						
	MW-39	49.50	39-49	X	--	X	X	X	--	X	X	X						
	MW-40	51.50	45-51	X	--	X	--	X	--	X	--							
	MW-41	51.50	45-51	X	--	X	--	X	--	X	X	X						
	MW-42	56.30	45.8-55.8	X	--	X	--	X	--	X	X	X						
	MW-43	63.70	56-61	X	X	X	X	X	X	X	X	X						
	MW-44	57.50	47.5-57.5	X	X	X	X	X	X	X	X	X						
	MW-49	32.00	23-33	X	--	X	X	X	--	X	X	X						
	MW-50	50.00	40-50	X	--	X	--	X	--	X	X	X						
	MW-51	41.00	36-41	X	X	X	X	X	X	X	X	X						
	MW-52	48.00	38-48	X	X	X	X	X	X	X	X	X						
	MW-53	101.50	90.5-101	X	--	X	--	X	--	X	X	X						
	MW-62	50.70	32-42	X	X	X	X	X	X	X	X	X	X					
	MW-70	37.00	22-37	X	X	X	X	X	X	X	X	X						
	MW-71	49.00	39-49	X	--	X	X	X	--	X	X	X						
	WEX-60	54.00	30-50	X	X	X	X	X	X	X	X	X	X					
Area 2	MW-17	34.50	19.5-34.5	--	--	X	X	--	--	X	X	X			X		X	
	MW-23	35.00	20-35	--	--	X	--	--	--	X	--							
	MW-66	41.00	20-40	--	--	X	X	--	--	X	X			X			X	
	MW-81	35.00	20-35	--	--	X	--	--	--	X	X			X	X	X	X	
	SMW-11	40.00	20-40	--	--	X	--	--	--	X	--							
	SMW-12	40.00	20 - 40	--	--	X	--	--	--	X	X	X		X				
Schnitzer ASD Yard (Area 3)	MW-10	20.00	5-20	--	--	X	X	--	--	X	X		X				X	X
	MW-11	21.50	6.5-21.5	--	--	X	--	--	--	X	X						X	X
	MW-14	30.00	15-30	--	--	X	--	--	--	X	--							
	MW-72	30.00	15-30	--	--	X	X	--	--	X	X		X	X			X	X
	MW-73	30.00	15-30	--	--	X	X	--	--	X	X		X	X			X	X
	MW-74	36.50	20-35	--	--	X	X	--	--	X	X		X			Q4	X	X
	MW-76	36.50	20-35	--	--	X	--	--	--	X	X					X	X	X
	MW-77	36.50	20-35	--	--	X	X	--	--	X	X		X				X	X
	MW-79	15.00	5-15	--	--	X	X	--	--	X	X		X	X	X		X	X
	MW-80	20.00	5-20	--	--	X	--	--	--	X	X			X			X	X

Notes:

1. VOCs = volatile organic compounds by EPA 8260B.
2. TPHd = total petroleum hydrocarbons, diesel and heavy oil range by NWTPHDx with silica gel clean up.
3. PAHs = polycyclic aromatic hydrocarbons by EPA 8270 SIM.
4. Phthalates by EPA 8270 SIM.
5. PCBs = polychlorinated biphenyls by EPA 8082.
6. Metals = antimony, arsenic, barium, cadmium, chromium, copper, lead, manganese, nickel, and zinc by EPA 6000/7000 series.
7. Mercury by EPA 7470A.
8. Q4 = to be sampled in the Q4 monitoring event only.

Table 2
Groundwater Elevation Data – Second Quarter 2015
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL)[1]	Depth to Groundwater (feet)	Groundwater Elevation (feet MSL)
Area 1				
MW-19	6/25/2015	34.86	NM	NM
MW-21	6/25/2015	35.28	28.12	7.16
MW-22	6/25/2015	37.81	30.88	6.93
MW-27	6/25/2015	35.01	27.93	7.08
MW-36	6/25/2015	36.82	21.42	15.40
MW-39	6/25/2015	37.04	NM	NM
MW-40	6/25/2015	39.49	32.63	6.86
MW-41	6/25/2015	36.57	NM	NM
MW-42	6/25/2015	38.49	31.55	6.94
MW-43	6/25/2015	40.34	33.55	6.79
MW-44	6/25/2015	34.78	27.48	7.30
MW-49	6/25/2015	35.52	28.67	6.85
MW-50	6/25/2015	40.05	33.40	6.65
MW-51	6/25/2015	34.01	27.32	6.69
MW-52	6/25/2015	34.41	27.72	6.69
MW-53	6/25/2015	34.28	22.95	11.33
MW-62	6/25/2015	35.39	NM	NM
MW-70	6/25/2015	35.56	28.48	7.08
MW-71	6/25/2015	36.36	NM	NM
WEX-60	6/25/2015	35.18	NM	NM
Area 2				
MW-17	6/25/2015	34.87	26.53	8.34
MW-23	6/25/2015	35.99	NM	NM
MW-66	6/25/2015	34.47	26.35	8.12
MW-81	6/25/2015	32.63	24.92	7.71
SMW-11	6/25/2015	34.73	26.95	7.78
SMW-12	6/25/2015	32.86	25.46	7.40
Schnitzer ASD Yard (Area 3)				
MW-10	6/25/2015	34.71	9.22	25.49
MW-11	6/25/2015	35.98	11.16	24.82
MW-14	6/25/2015	33.24	25.96	7.28
MW-72	6/25/2015	33.88	26.73	7.15
MW-73	6/25/2015	32.06	13.41	18.65
MW-74	6/25/2015	32.83	25.55	7.28
MW-76	6/25/2015	36.55	29.13	7.42
MW-77	6/25/2015	34.67	27.19	7.48
MW-79	6/25/2015	35.34	12.65	22.69
MW-80	6/25/2015	33.91	15.84	18.07

Notes:
1. feet MSL = Feet relative to mean sea level.
2. NM = Not measured due to well obstruction.

Table 3
Groundwater Field Parameters – Second Quarter 2015
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	pH	Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)
Area 1						
MW-21	12/12/2013	6.27	13.91	1040	1.12	-207.4
	6/11/2014	6.81	18.00	763	0.46	-72.9
	12/18/2014	6.67	14.88	2693	0.51	61.2
	6/30/2015	6.89	18.79	309	2.17	28.7
MW-27	12/12/2013	5.95	13.42	616	1.04	-207.2
	6/11/2014	6.23	16.83	571	0.70	173.0
	12/18/2014	--	14.17	2691	0.50	38.4
	6/30/2015	6.96	16.71	47	4.37	63.0
MW-36	6/11/2014	7.28	16.18	80	7.28	-29.9
	12/18/2014	--	13.70	1463	4.84	136.5
	3/9/2015	6.12	14.90	313	1.62	82.7
	6/30/2015	6.89	16.89	206	0.97	24.2
MW-39	12/12/2013	5.76	13.27	434	0.95	-75.1
	6/11/2014	6.25	17.88	349	0.74	172.2
	12/17/2014	6.70	14	2096	1.54	195.9
	7/2/2015	6.49	16.64	171	4.74	2.1
MW-43	6/11/2014	5.58	14.89	121	5.34	164.8
	12/23/2014	6.96	1316	628	3.57	-66.7
	3/16/2015	6.17	13.98	85.6	2.44	96.3
	7/6/2015	6.59	18.38	522	1.45	18.3
MW-44	6/11/2014	6.39	15.66	713	3.46	169.9
	12/23/2014	--	13.22	1667	1.65	-100.5
	3/16/2015	6.20	13.70	218	4.20	84.1
	6/26/2015	9.00	19.77	87	2.01	-23.2
MW-49	12/12/2013	6.01	13.52	540	0.80	-98.5
	6/11/2014	6.48	17.77	454	0.57	-65.3
	12/17/2014	7.62	14.05	2068	0.86	163.0
	6/30/2015	7.67	16.8	202	1.51	47.0
MW-51	6/11/2014	6.21	15.44	281	1.08	180.8
	12/23/2014	7.15	13.27	1050	4.78	-28.3
	3/9/2015	4.15	15.7	171	2.06	87.0
	6/26/2015	7.25	18.39	76	0.82	43.1
MW-52	6/11/2014	6.40	17.07	763	0.79	44.5
	12/18/2014	--	1385	2530	1.13	38.5
	3/10/2015	5.97	14.8	816	1.17	82.0
	6/30/2015	6.89	17.0	101	1.97	47.9
MW-70	6/11/2014	6.73	14.86	284	8.95	43.2
	12/18/2014	7.03	13.88	2960	6.46	159.7
	3/9/2015	5.95	14.60	228.5	9.10	75.3
	6/30/2015	6.94	15.50	150	7.90	-9.4
MW-71	12/12/2013	6.05	13.31	623	1.04	-221.0
	6/11/2014	6.30	16.89	356	0.63	177.7
	12/19/2014	NM	NM	NM	NM	NM
	7/6/2015	6.46	19.17	889	4.26	27.7
WEX-60	6/11/2014	7.85	17.27	409	2.67	94.6
	12/19/2014	NM	NM	NM	NM	NM
	3/10/2015	NM	NM	NM	NM	NM
	6/26/2015	NM	NM	NM	NM	NM

Please refer to notes at end of table.

Table 3
Groundwater Field Parameters – Second Quarter 2015
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	pH	Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)
Area 2						
MW-17	12/16/2013	6.40	14.13	376	0.80	-51.3
	6/12/2014	6.76	16.34	767	0.55	-125.8
	12/22/2014	--	15.45	2047	0.72	-129.8
	7/6/2015	7.20	16.41	630	0.70	-47.5
MW-66	12/16/2013	6.14	13.14	902	1.21	-59.0
	6/12/2014	6.73	15.89	875	0.87	-127.8
	12/22/2014	5.29	14.09	1762	0.87	-172.2
	6/30/2015	8.62	17.01	207	0.80	-20.7
Schnitzer ASD Yard (Area 3)						
MW-10	12/13/2013	6.40	13.48	859	1.46	-92.0
	6/11/2014	7.29	15.65	885	0.40	-107.9
	12/19/2014	--	14.11	1804	0.50	-75.3
	6/26/2015	7.87	16.59	104	1.35	-94.8
MW-72	12/13/2013	6.13	12.37	1144	0.94	-93.2
	6/11/2014	6.54	16.29	1270	0.57	-98.1
	12/18/2014	--	13.12	2027	0.89	-18.0
	6/26/2015	7.70	18.82	61	3.75	-85.7
MW-73	12/16/2013	6.11	12.70	1846	1.31	-49.5
	6/11/2014	6.49	15.06	199	0.50	-116.6
	12/19/2014	--	13.33	2151	1.13	-20.7
	6/26/2015	7.17	16.42	67	1.44	-68.7
MW-74	12/16/2013	6.60	12.57	1068	0.73	-50.0
	6/12/2014	7.40	14.4	1035	0.73	-118.1
	12/22/2014	6.91	14.07	1244	0.83	-158.0
	6/30/2015	7.51	16.03	307	1.01	-40.7
MW-77	12/16/2013	6.15	10.16	1196	1.15	-48.9
	6/12/2014	6.50	14.71	1525	0.65	-91.8
	12/19/2014	--	12.81	3078	0.77	-31.8
	6/26/2015	7.40	20.63	62	1.32	-74.9
MW-79	12/13/2013	6.89	8.81	820	1.64	-89.5
	6/12/2014	7.40	15.68	1094	1.07	-122.9
	12/19/2014	--	11.6	2972	0.52	68.3
	6/26/2015	7.34	17.65	98	1.07	-42.1

Notes:

1. Measurements are final readings recorded prior to sample collection.
2. WEX-60 sample collected from Port 1 (influent) to the groundwater extraction system well.
3. °C = degrees Celcius; µs/cm = microsiemens per centimeter; mg/L = milligrams per liter; ORP = oxidation reduction potential; mV = millivolts; NTU = nephelometric turbidity units.
4. -- No pH data due to instrument error.
5. Conductivity in some wells in December 2014 is abnormally high, possibly due to instruiment error.

Table 4
Groundwater Analytical Results – Area 1 – Second Quarter 2015
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-dx - Diesel Range	TPH-dx - Residual Range	Chloroform	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
		mg/L (ppm)		Concentrations in µg/L (ppb)						
MW-21	12/12/2013	--	--	<1.0	5.88	2.07	<0.50	2.78	1.37	0.720
	6/11/2014	--	--	<1.0	18.3	12.9	<0.500	1.77	12.60	<0.500
	12/18/2014	--	--	<1.0	14.5	10.1	<0.500	2.90	6.75	0.790
	6/30/2015	--	--	<1.0	2.99	0.89	<0.500	1.47	0.56	0.640
MW-27	12/12/2013	--	--	<1.0	19.7	25.9	<0.50	3.28	8.89	0.500
	6/11/2014	--	--	<1.00	13.2	17.5	<0.500	3.17	5.54	<0.500
	12/18/2014	--	--	<1.00	21.5	36.8	<0.500	4.46	9.04	0.760
	6/30/2015	--	--	<1.00	8.9	5.8	<0.500	2.84	1.55	0.690
	6/30/15 DUP	--	--	<1.00	8.95	5.7	<0.500	2.90	1.56	0.700
MW-36	9/19/2014	--	--	0.630 J	32.0	169.0	<0.500	1.84	10.7	<0.500
	12/18/2014	--	--	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	3/9/2015 DUP	--	--	<1.00	24.1	97.0	<0.500	1.94	9.34	<0.500
	3/9/2015	--	--	<1.00	25.3	103.0	<0.500	1.88	9.61	<0.500
	6/30/2015	--	--	<1.00	<0.500	<0.500	<0.500	<0.500	0.36	<0.500
MW-39	12/12/2013	--	--	<1.0	3.28	3.04	<0.50	<0.50	4.43	<0.50
	6/11/2014	--	--	<1.00	1.81	1.90	<0.500	<0.500	2.72	<0.500
	12/17/2014	--	--	<1.00	8.84	6.21	<0.500	0.480 J	5.02	0.380 J
	7/6/2015	--	--	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
MW-43	9/19/2014	--	--	<1.00	0.44	<0.500	<0.500	<0.500	<0.500	<0.500
	12/23/2014	--	--	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	3/16/2015	--	--	<1.00	2.27	<0.500	0.530	<0.500	<0.500	<0.500
	7/6/2015	--	--	<1.00	4.81	1.82	<0.500	<0.500	2.38	0.690
MW-44	9/19/2014	--	--	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	12/23/2014	--	--	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	3/16/2015	--	--	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	6/30/2015	--	--	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
MW-49	12/12/2013	--	--	<1.0	13.2	8.19	<0.50	0.640	7.91	<0.50
	6/11/2014	--	--	<1.00	5.59	3.10	<0.500	<0.500	4.04	<0.500
	12/17/2014	--	--	<1.00	11.4	6.92	<5.00	0.600	6.39	0.670
	6/30/2015	--	--	<1.00	6.6	5.75	0.32	0.430	3.52	0.280
MW-51	9/19/2014	--	--	<1.00	1.70	1.63	<0.500	<0.500	1.17	0.580
	12/23/2014	--	--	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	3/9/2015	--	--	<1.00	2.39	2.23	<0.500	0.310	1.31	1.18
	6/26/2015	--	--	<1.00	4.49	2.44	<0.500	<0.500	1.92	1.03
	JSCS SLV	--	--	0.17	47.0	--	61.0	0.12	11.0	0.17

Please refer to notes at end of table.

Table 4
Groundwater Analytical Results – Area 1 – Second Quarter 2015
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-dx - Diesel Range	TPH-dx - Residual Range	Chloroform	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
		mg/L (ppm)		Concentrations in µg/L (ppb)						
MW-52	9/19/2014	--	--	<1.00	**0.420 J**	**0.370 J**	<0.500	<0.500	<0.500	<0.500
	12/18/2014	--	--	<1.00	**9.37**	**47.7**	<0.500	**2.67**	**3.69**	**0.730**
	3/10/2015	--	--	<1.00	**1.22**	**5.01**	<0.500	**0.350**	**0.260**	<0.500
	6/30/2015	--	--	<1.00	**0.90**	**4.54**	<0.500	**0.430**	**0.340**	<0.500
MW-62	6/30/2015	--	--	<1.00	**16.30**	**7.03**	<0.500	**0.690**	**4.39**	**0.32**
	6/30/15 DUP	--	--	<1.00	**16.60**	**6.93**	<0.500	**0.720**	**4.45**	**0.31**
MW-70	9/19/2014	--	--	<1.00	<0.500	**0.460 J**	<0.500	**0.850**	**1.74**	<0.500
	12/18/2014	--	--	<1.00	<0.500	<0.500	<0.500	**0.560**	**0.810**	<0.500
	3/9/2015	--	--	<1.00	<0.500	<0.500	<0.500	**1.01**	**1.43**	<0.500
	6/30/2015	--	--	<1.00	<0.500	<0.500	<0.500	**0.59**	**1.10**	<0.500
MW-71	12/12/2013	--	--	<1.0	**25.2**	**35.2**	<0.50	**2.04**	**15.0**	<0.50
	6/11/2014	--	--	<1.00	**18.8**	**23.7**	<0.500	**1.24**	**12.2**	**0.510**
	12/18/2014	--	--	--	--	--	--	--	--	--
	7/6/2015	--	--	<1.00	**26.4**	**41.1**	<0.500	**2.53**	**10.8**	**0.34**
WEX-60	10/29/2014	**0.131 J**	<0.385	<1.00	**18.7**	**11.3**	<0.500	**0.900**	**5.66**	**0.290 J**
	10/29/2014 DUP	**0.102 J**	<0.392	<1.00	**16.0**	**9.6**	<0.500	**0.650**	**4.82**	<0.500
	12/18/2014	<0.236	<0.472	<1.00	**1.30**	**0.810**	<0.500	<0.500	**0.460 J**	<0.500
	12/18/2014 DUP	<0.236	<0.472	<1.00	**1.39**	**0.960**	<0.500	<0.500	**0.520**	<0.500
	3/10/2015	<0.260	<0.521	<1.00	**7.38**	**4.01**	<0.500	**0.430**	**2.32**	<0.500
	6/30/2015	<0.0943	<0.189	<1.00	**14.60**	**6.32**	<0.500	**0.590**	**3.790**	**0.280**
	JSCS SLV	--	--	0.17	47.0	--	61.0	0.12	11.0	0.17

Notes:

1. J = Result is less than the reporting limt, but greater than or equal to the detection limit.
2. -- = Not analyzed or not applicable.
3. **Bold** denotes analyte detected above reporting limit.
4. Shading denotes analyte detected above Joint Source Control Strategy Screening Level (JSCS).
5. µg/L (ppb) = micrograms per liter (parts per billion).
6. mg/L (ppm) = miligrams per liter (parts per million).
7. M = RPD between primary and duplicate sample exceeded precision goal of 30%.

Table 5
Area 2 Groundwater Analytical Results – Second Quarter 2015
Gunderson LLC
Portland, Oregon

Sample ID	MW-17						MW-66				JSCS
Sample Date	12/16/2013	6/11/2014	6/11/2014 DUP	12/23/2014	12/23/2014 DUP	7/6/2015	12/16/2013	6/11/2014	12/23/2014	6/30/2015	SLV
Total Metals in µg/L (ppb)											
Antimony	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	6
Arsenic	**11.8**	**18.1**	**18.9**	**12.9**	**12.8**	**18.6**	**30.8**	**15.1**	**17.5**	**12.0**	0.045
Barium	**21.1**	**48.2**	**49.5**	**21.3**	**21.5**	**43.2**	**241**	**116**	**127**	**60.1**	--
Cadmium	<0.200	**0.200 R**	**0.344 R**	<0.200	<0.200	**0.0444**	0.311	<1.00	<0.200	<0.200	0.094
Chromium	1.08	**1.40**	**1.46**	<1.00	<1.00	**0.711**	**15.3**	**1.02**	**0.856 J**	<1.00	100
Copper	<1.00	<1.00	<1.00	**1.51 J**	<0.200	**1.06**	**26.6**	**2.96**	**1.67 J**	**1.56**	2.7
Lead	0.378	<0.200	<0.200	<0.200	<0.200	**0.267**	**14.90**	**0.389**	**0.500**	**0.122**	0.54
Manganese	**3,010**	**5,850**	**5,940**	**4,060**	**3,980**	**4,100**	**4,020**	--	**3,690**	**2,840**	50
Nickel	**2.11**	**4.79**	**5.44**	**1.09**	**1.09**	**1.53**	**20.1**	**3.94**	**3.79**	**1.17**	16
Zinc	<4.00	<4.00	<4.00	<4.00	<4.00	**3.06**	**60.4**	**6.43**	**12.2**	**7.38**	36
Polycyclic Aromatic Hydrocarbons in EPA 8270 SIM in µg/L (ppb)											
1-Methylnaphthalene	--	--	--	--	--	--	<0.190	<0.0381	<0.151	<0.0762	--
2-Methylnaphthalene	--	--	--	--	--	--	<0.190	<0.0381	<0.151	<0.0762	0.20
Acenaphthene	--	--	--	--	--	--	0.478	**0.180**	**0.276**	**0.090**	0.20
Acenaphthylene	--	--	--	--	--	--	<0.0952	<0.0190	<0.0755	<0.0381	0.20
Anthracene	--	--	--	--	--	--	<0.0952	**0.0203**	<0.0755	**0.0303**	0.20
Benz(a)anthracene	--	--	--	--	--	--	<0.0952	<0.0190	**0.0393 J**	<0.0381	0.018
Benzo(a)pyrene	--	--	--	--	--	--	<0.143	<0.0286	<0.113	<0.0571	0.018
Benzo(b)fluoranthene	--	--	--	--	--	--	<0.143	<0.0286	<0.113	<0.0571	0.018
Benzo(g,h,i)perylene	--	--	--	--	--	--	<0.0952	<0.0190	<0.0755	<0.0381	0.20
Benzo(k)fluoranthene	--	--	--	--	--	--	<0.143	<0.0286	<0.113	<0.0571	0.018
Chrysene	--	--	--	--	--	--	<0.0952	<0.0190	<0.0755	<0.0381	0.018
Dibenz(a,h)anthracene	--	--	--	--	--	--	<0.0952	<0.0190	<0.0755	<0.0381	0.018
Fluoranthene	--	--	--	--	--	--	<0.0952	<0.0190	<0.0755	<0.0381	0.20
Fluorene	--	--	--	--	--	--	<0.0952	<0.0190	<0.0755	<0.0381	0.20
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	<0.0952	<0.0190	<0.0755	<0.0381	0.018
Naphthalene	--	--	--	--	--	--	<0.190	**0.0514**	<0.151	<0.0762	0.20
Phenanthrene	--	--	--	--	--	--	<0.0952	**0.139**	**0.114**	<0.0381	0.20
Pyrene	--	--	--	--	--	--	<0.0952	**0.0904**	**0.0640 J**	**0.0533**	0.20
Carbazole	--	--	--	--	--	--	<0.0952	<0.0286	<0.113	<0.0381	3.4
Dibenzofuran	--	--	--	--	--	--	<0.0952	<0.0190	<0.0755	<0.0381	3.7
Phthalates by EPA 8270-SIM in µg/L (ppb)											
bis(2-Ethylhexyl)phthalate	<2.08	<2.12	<2.10	<2.08	<2.08	**0.297**	<10.5	--	--	--	2.2
Butyl benzyl phthalate	<2.83	<2.88	<2.86	<2.83	<2.83	<0.381	<14.3	--	--	--	3
Diethylphthalate	<2.83	<2.88	<2.86	<2.83	<2.83	<0.381	<14.4	--	--	--	3
Dimethyl phthalate	<2.83	<2.88	<2.86	<2.83	<2.83	<0.381	<14.5	--	--	--	3
Di-n-butyl phthalate	<2.83	<2.88	<2.86	<2.83	<2.83	<0.381	<14.6	--	--	--	3
Di-n-octyl phthalate	<2.83	<2.88	<2.86	<2.83	<2.83	<0.381	<14.7	--	--	--	3
Polychlorinated Biphenyls by EPA 8082 in µg/L (ppb)											
Aroclor 1016	--	--	--	--	--	--	--	--	--	--	0.96
Aroclor 1221	--	--	--	--	--	--	--	--	--	--	0.034
Aroclor 1232	--	--	--	--	--	--	--	--	--	--	0.034
Aroclor 1242	--	--	--	--	--	--	--	--	--	--	0.034
Aroclor 1248	--	--	--	--	--	--	--	--	--	--	0.034
Aroclor 1254	--	--	--	--	--	--	--	--	--	--	0.033
Aroclor 1260	--	--	--	--	--	--	--	--	--	--	0.034

Notes:

1. J = Result is less than the reporting limit, but greater than or equal to the method detection limit.
2. -- = Not analyzed or not applicable.
3. **Bold** denotes analyte detected above reporting limit.
4. Shading denotes analyte detected above Joint Source Control Strategy Screening Level (JSCS).
5. µg/L (ppb) = micrograms per liter (parts per billion).
6. * = Reporting limit provided by lab was for Benzo(b+k)fluoranthene.
7. B = Analyte detected in an associated blank at a level at least above one half the MRL.
8. R = The relative percent difference between the primary and duplicate sample is higher than the quality control limit of 30%.

Table 6
Area 2 Groundwater Analytical Results – Second Quarter 2015
Gunderson LLC
Portland, Oregon

Sample ID	MW-17							JSCS SLV
Sample Date	12/16/2013	12/16/2013 DUP	6/11/204	6/11/2014 DUP	12/22/2014	12/22/2014 DUP	7/6/2015	
VOCs in µg/L (ppb)								
Acetone	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	1,500
Benzene	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	1.2
Bromobenzene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	--
Bromochloromethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
Bromodichloromethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.1
Bromoform	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	8.5
Bromomethane	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	8.7
2-Butanone (MEK)	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	7,100
n-Butylbenzene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
sec-Butylbenzene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
tert-Butylbenzene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
Carbon tetrachloride	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.51
Chlorobenzene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	50
Chloroethane	<10.0	<10.0	<10.0	<10.0	<5.00	<5.00	<5.00	23
Chloroform	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0.17
Chloromethane	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2.1
2-Chlorotoluene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
4-Chlorotoluene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
1,2-Dibromo-3-chloropropane	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	--
Dibromochloromethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	390
1,2-Dibromoethane (EDB)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.033
Dibromomethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	61
1,2-Dichlorobenzene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	49
1,3-Dichlorobenzene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	14
1,4-Dichlorobenzene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	2.8
Dichlorodifluoromethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	390
1,1-Dichloroethane	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	47
1,2-Dichloroethane (EDC)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.73
1,1-Dichloroethene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	--
cis-1,2-Dichloroethene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	590
trans-1,2-Dichloroethene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	110
1,2-Dichloropropane	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.97
1,3-Dichloropropane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
2,2-Dichloropropane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
1,1-Dichloropropene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--

Please refer to notes at end of table.

Table 6
Area 2 Groundwater Analytical Results – Second Quarter 2015
Gunderson LLC
Portland, Oregon

Sample ID	MW-17							JSCS SLV
Sample Date	12/16/2013	12/16/2013 DUP	6/11/204	6/11/2014 DUP	12/22/2014	12/22/2014 DUP	7/6/2015	
VOCs in µg/L (ppb)								
cis-1,3-Dichloropropene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0.055
trans-1,3-Dichloropropene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0.055
Ethylbenzene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	7.3
Hexachlorobutadiene	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	0.86
2-Hexanone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	99
Isopropylbenzene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	660
4-Isopropyltoluene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
4-Methyl-2-pentanone (MiBK)	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	170
Methyl tert-butyl ether (MTBE)	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	37
Methylene chloride	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	8.9
Naphthalene	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	0.2
n-Propylbenzene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	--
Styrene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	100
1,1,1,2-Tetrachloroethane	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	2.5
1,1,2,2-Tetrachloroethane	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.33
Tetrachloroethene (PCE)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.12
Toluene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	9.8
1,2,3-Trichlorobenzene	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	--
1,2,4-Trichlorobenzene	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	8.2
1,1,1-Trichloroethane	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	11
1,1,2-Trichloroethane	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1.2
Trichloroethene (TCE)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.17
Trichlorofluoromethane	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	1,300
1,2,3-Trichloropropane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0.0095
1,2,4-Trimethylbenzene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
1,3,5-Trimethylbenzene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
Vinyl chloride	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.015
m,p-Xylene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.8
o-Xylene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	13

Notes:

1. J = Result is less than the reporting limit, but greater than or equal to the detection limit.
2. -- = Not analyzed or not applicable.
3. **Bold** denotes analyte detected above reporting limit.
4. Shading denotes analyte detected above Joint Source Control Strategy Screening Level (JSCS).
5. µg/L (ppb) = micrograms per liter (parts per billion).
6. VOCs = volatile organic compounds.

Table 7
Schnitzer ASD Yard (Area 3) Groundwater Analytical Results – Second Quarter 2015
Gunderson LLC
Portland, Oregon

Sample ID	MW-10				MW-72						MW-73				JSCS SLV
Sample Date	12/13/2013	6/11/2014	12/19/2014	6/26/2015	12/13/2013	12/13/2013 DUP	6/11/2014	12/19/2014	12/19/2014 DUP	6/26/2015	12/16/2013	6/11/2014	12/19/2014	6/26/2015	
Total Metals in µg/L (ppb)															
Antimony	<1.0	<1.00	<1.00	<1.00	<1.0	<1.0	<1.00	<1.0	<1.0	<1.0	<1.0	<1.00	<1.00	0.5	6
Arsenic	3.06	3.68	3.20	2.71	7.24	7.14	7.03	7.14	7.38	6.58	4.3	8.39	3.92	2.9	0.045
Barium	81.6	67.8	77.4	67.8	178	176	179	198	200	197	337	537	304	281	--
Cadmium	<0.2	<0.200	<0.200	0.0667	<0.2	<0.2	<0.200	<0.200	<0.200	<0.200	<0.2	1.83	0.0566 J	0.1	0.094
Chromium	2.01	2.04	0.633 J	<1.0	3.62	3.87	3.99	1.09	1.07	0.889	5.52	30.3	2.07	1.27	100
Copper	<1.0	<1.00	13.8	<1.0	<1.0	1.97	2.46	0.556 J	<1.0	1.06	2.37	182	2.30	2.60	2.7
Lead	<0.2	<0.200	0.544	0.222	0.28	0.37	1.42	0.356	0.278	<0.200	0.989	69.3	2.16	3.26	0.54
Manganese	2,750	1,940	2,060	2,670	1,830	1,810	1,940	1,790	1,890	1,910	2,470	2,940	2,480	2,110	50
Mercury	<0.08	<0.0800	<0.0800	<0.0800	<0.08	<0.08	<00.800	<0.0800	<0.0800	<0.0800	<0.08	0.218	<0.0800	<0.0800	0.77
Nickel	1.53	1.69	2.98	0.89	2.87	3.09	3.12	2.66	2.71	1.86	4.10	38.6	1.84	5.43	16
Zinc	6.87	<4.00	3.22 J	2.9	<4.0	4.03	4.89	2.87 J	3.00 J	<4.0	6.19	223	5.42	19.5	36
NWTPH-Dx in mg/L (ppm)															
Diesel Range	<0.238	0.453	<0.236	1.42	<0.238	<0.238	<0.236	<0.236	<0.236	0.389	1.21	0.630	0.157 J	1.680	--
Residual Range	<0.476	<0.476	3.83	<0.189	<0.476	<0.476	<0.472	<0.472	<0.472	<0.377	<0.476	0.694	<0.236	<0.189	--
Polycyclic Aromatic Hydrocarbons in EPA 8270 SIM in µg/L (ppb)															
1-Methylnaphthalene	--	--	--	--	<0.152	<0.381	<0.0381	<0.0762	<0.0755	<0.151	<0.755	0.836	0.620	0.747	--
2-Methylnaphthalene	--	--	--	--	<0.152	<0.381	<0.0381	<0.0762	<0.0755	<0.151	<0.755	0.320 J	0.284	0.437	0.20
Acenaphthene	--	--	--	--	0.0926	<0.190	0.0631	0.101	0.0962	0.0628	<0.377	0.201	<0.171	0.149	0.20
Acenaphthylene	--	--	--	--	<0.0762	<0.190	<0.0190	<0.0381	<0.0377	<0.0755	<0.377	<0.190	<0.0381	<0.189	0.20
Anthracene	--	--	--	--	<0.0762	<0.190	0.0296	0.0329 J	0.0399	<0.0755	<0.377	<0.190	0.177	<0.189	0.20
Benz(a)anthracene	--	--	--	--	<0.114	<0.190	<0.0190	<0.0381	<0.0377	<0.0755	<0.377	0.115 J	<0.0381	<0.189	0.018
Benzo(a)pyrene	--	--	--	--	<0.114	<0.286	<0.0286	<0.0381	<0.0377	<0.113	<0.566	0.162 J	<0.0381	<0.283	0.018
Benzo(b)fluoranthene	--	--	--	--	<0.114	<0.286	<0.0286	<0.0381	<0.0377	<0.113	<0.566	<0.286	<0.0381	<0.283	0.018
Benzo(g,h,i)perylene	--	--	--	--	<0.0762	<0.190	<0.0190	<0.0381	<0.0377	<0.0755	<0.377	<0.190	<0.0381	<0.283	0.20
Benzo(k)fluoranthene	--	--	--	--	<0.114	<0.286	<0.0286	<0.0381	<0.0377	<0.113	<0.566	<0.286	<0.0381	<0.283	0.018
Chrysene	--	--	--	--	<0.0762	<0.190	<0.0190	<0.0381	<0.0377	<0.0755	<0.377	0.0970 J	<0.0381	<0.189	0.018
Dibenz(a,h)anthracene	--	--	--	--	<0.0762	<0.190	<0.0190	<0.0381	<0.0377	<0.0755	<0.377	<0.190	<0.0381	<0.189	0.018
Fluoranthene	--	--	--	--	<0.0762	<0.190	0.0470	0.0436	0.0427	<0.0755	<0.377	0.148 J	0.0451	<0.189	0.20
Fluorene	--	--	--	--	<0.0762	<0.190	0.0311	0.0516	0.0541	0.0422	<0.377	<0.190	<0.0667	<0.189	0.20
Indeno(1,2,3-cd)pyrene	--	--	--	--	<0.0762	<0.190	<0.0190	<0.0381	<0.0377	<0.0755	<0.377	<0.190	<0.0381	<0.189	0.018
Naphthalene	--	--	--	--	<0.152	<0.190	0.0220 J	<0.0762	<0.0755	<0.151	<0.755	<0.381	0.075 J	<0.377	0.20
Phenanthrene	--	--	--	--	0.133	<0.381	0.107	0.153	0.146	0.075	<0.377	0.160 J	0.101	<0.377	0.20
Pyrene	--	--	--	--	<0.0762	<0.190	0.0486	0.0417	0.0404	<0.0755	<0.377	0.177 J	0.0578	<0.189	0.20
Carbazole	--	--	--	--	<0.114	<0.286	<0.0286	--	--	<0.113	<0.566	<0.286	--	<0.283	3.4
Dibenzofuran	--	--	--	--	<0.0762	<0.190	<0.0190	<0.0381	<0.0377	<0.0755	<0.377	<0.190	<0.0381	<0.189	3.7
Phthalates by EPA 8270-SIM in µg/L (ppb)															
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2
Butyl benzyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3
Diethylphthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3
Di-N-Butyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3
Di-N-Octyl phthalate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3
Polychlorinated Biphenyls by EPA 8082 in µg/L (ppb)															
Aroclor 1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.96
Aroclor 1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034
Aroclor 1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034
Aroclor 1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034
Aroclor 1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034
Aroclor 1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.033
Aroclor 1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034

Please refer to notes at end of table.

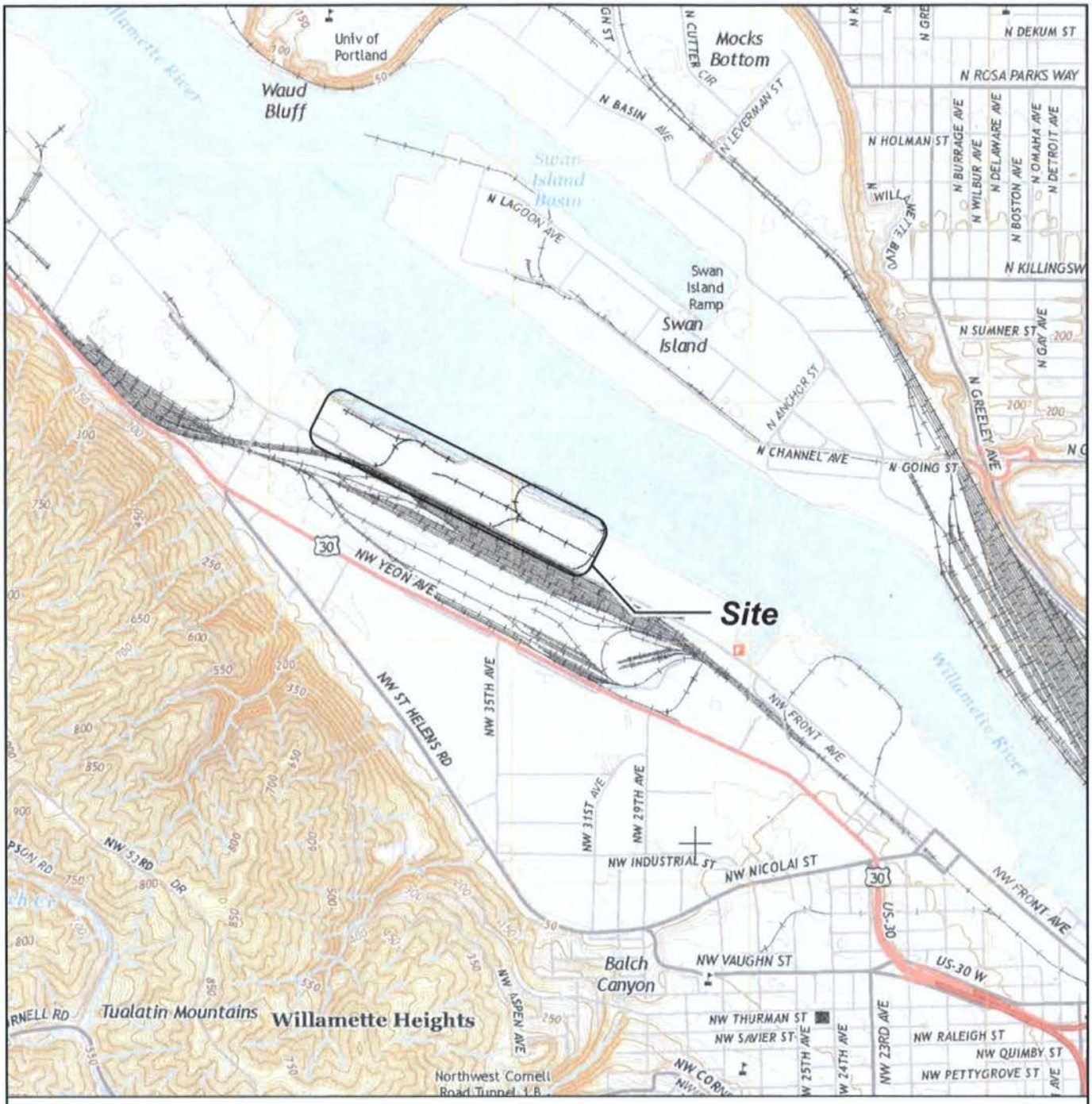
Table 7
Schnitzer ASD Yard (Area 3) Groundwater Analytical Results – Second Quarter 2015
Gunderson LLC
Portland, Oregon

Sample ID	MW-74				MW-77				MW-79				JSCS SLV
Sample Date	12/16/2013	6/11/2014	12/22/2014	6/30/2015	12/16/2013	6/11/2014	12/19/2014	6/26/2015	12/13/2013	6/11/2014	12/19/2014	6/26/2015	
Total Metals in µg/L (ppb)													
Antimony	<1.0	<1.00	**1.58**	<1.00	<1.0	<1.00	<1.00	<1.00	**16.7**	**490**	**22.3**	**77.5**	6
Arsenic	**2.83**	**3.28**	**1.64**	**2.79**	**13.1**	**9.39**	**12.7**	**14.5**	<1.0	**5.48**	**1.11**	**1.42**	0.045
Barium	**112**	**98.2**	**97.4**	**95.1**	**141**	**145**	**157**	**141**	**204**	**256**	**207**	**230**	--
Cadmium	<0.2	<0.200	<0.200	<1.00	<0.2	**0.200**	<0.200	**0.0778**	<0.2	**0.322**	**0.400**	<0.200	0.094
Chromium	**2.29**	**1.76**	<1.00	<1.00	**1.82**	**3.81**	**0.956 J**	**0.811**	**1.83**	**3.50**	**0.744 J**	<1.00	100
Copper	**1.12**	**1.29**	**0.800 J**	**0.644**	**2.10**	**2.33**	**0.567 J**	**0.544**	**7.34**	**8.92**	**9.18**	**0.556**	2.7
Lead	**0.522**	<0.200	<0.200	**0.278**	**0.222**	**0.478**	**0.178 J**	**0.311**	**1.66**	**7.81**	**6.42**	**2.88**	0.54
Manganese	**4,280**	**3,780**	**3,480**	**3,880**	**1,450**	**1,450**	**1,590**	**1,500**	**416**	**359**	**444**	**573**	50
Mercury	<0.08	<0.0800	<0.0800	<0.0800	<0.08	<0.0800	<0.0800	<0.0800	<0.08	<0.0800	<0.0800	<0.0800	0.77
Nickel	**2.88**	**2.18**	**2.99**	**1.27**	**3.02**	**2.37**	**1.20**	**1.21**	**12.7**	**13.7**	**11.7**	**2.9**	16
Zinc	**7.48**	**5.98**	**36.2**	**3.86**	<4.0	<4.00	**2.92 J**	**2.97**	**76.8**	**736**	**141**	**11.2**	36
NWTPH-Dx in mg/L (ppm)													
Diesel Range	<0.243	<0.236	<0.236	**0.373**	**0.390**	<0.238	<0.236	**1.38**	<0.238	<0.236	<0.236	**0.363**	--
Residual Range	<0.485	<0.472	<0.472	<0.189	<0.476	<0.476	<0.472	<0.189	<0.476	<0.472	<0.472	<0.189	--
Polycyclic Aromatic Hydrocarbons in EPA 8270 SIM in µg/L (ppb)													
1-Methylnaphthalene	--	--	--	--	--	--	--	--	<0.152	**0.0198 J**	<0.151	<0.151	--
2-Methylnaphthalene	--	--	--	--	--	--	--	--	<0.152	<0.0385	<0.151	<0.151	0.20
Acenaphthene	--	--	--	--	--	--	--	--	<0.0762	**0.0328**	<0.0755	<0.0755	0.20
Acenaphthylene	--	--	--	--	--	--	--	--	<0.0762	<0.0192	<0.0755	<0.0755	0.20
Anthracene	--	--	--	--	--	--	--	--	**0.0804**	**0.0418**	**0.0877**	**0.0457**	0.20
Benz(a)anthracene	--	--	--	--	--	--	--	--	<0.0762	<0.0192	<0.0755	<0.0755	0.018
Benzo(a)pyrene	--	--	--	--	--	--	--	--	<0.114	<0.0288	<0.113	<0.113	0.018
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	<0.114	<0.0288	<0.113	<0.113	0.018
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--	<0.0762	<0.0192	<0.0755	<0.0755	0.20
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	<0.114	<0.0288	<0.113	<0.113	0.018
Chrysene	--	--	--	--	--	--	--	--	<0.0762	<0.0192	<0.0755	<0.0755	0.018
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--	<0.0762	<0.0192	<0.0755	<0.0755	0.018
Fluoranthene	--	--	--	--	--	--	--	--	<0.0762	<0.0192	<0.0755	<0.0755	0.20
Fluorene	--	--	--	--	--	--	--	--	<0.0762	**0.0234**	<0.0755	<0.0755	0.20
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	<0.0762	<0.0192	<0.0755	<0.0755	0.018
Naphthalene	--	--	--	--	--	--	--	--	<0.152	**0.0591**	<0.151	**0.0889**	0.20
Phenanthrene	--	--	--	--	--	--	--	--	<0.0762	**0.0214**	<0.0755	<0.0755	0.20
Pyrene	--	--	--	--	--	--	--	--	<0.0762	<0.0192	<0.0755	<0.0755	0.20
Carbazole	--	--	--	--	--	--	--	--	<0.114	<0.0288	<0.113	<0.113	3.4
Dibenzofuran	--	--	--	--	--	--	--	--	<0.0762	<0.0192	<0.0755	<0.0755	3.7
Phthalates by EPA 8270-SIM in µg/L (ppb)													
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	<8.38	<2.12	<8.30	--	2.2
Butyl benzyl phthalate	--	--	--	--	--	--	--	--	<11.4	<2.88	<11.3	--	3
Diethylphthalate	--	--	--	--	--	--	--	--	<11.4	<2.88	<11.3	--	3
Dimethyl phthalate	--	--	--	--	--	--	--	--	<11.4	<2.88	<11.3	--	3
Di-N-Butyl phthalate	--	--	--	--	--	--	--	--	<11.4	<2.88	<11.3	--	3
Di-N-Octyl phthalate	--	--	--	--	--	--	--	--	<11.4	<2.88	<11.3	--	3
Aroclor 1016	<0.0935	<0.0377	<0.0377	<0.0377	--	--	--	--	--	--	<0.0381	--	0.96
Aroclor 1221	<0.0935	<0.0377	<0.0377	<0.0377	--	--	--	--	--	--	<0.0381	--	0.034
Aroclor 1232	<0.0935	<0.0377	<0.0377	<0.0377	--	--	--	--	--	--	<0.0381	--	0.034
Aroclor 1242	<0.0935	<0.0377	<0.0377	<0.0377	--	--	--	--	--	--	<0.0381	--	0.034
Aroclor 1248	<0.0935	<0.0377	<0.0377	<0.0377	--	--	--	--	--	--	<0.0381	--	0.034
Aroclor 1254	<0.0935	<0.0377	<0.0377	<0.0377	--	--	--	--	--	--	<0.0381	--	0.033
Aroclor 1260	<0.0935	<0.0377	<0.0377	<0.0377	--	--	--	--	--	--	<0.0381	--	0.034

Notes:

1. J = Result is less than the reporting limit, but greater than or equal to the detection limit.
2. -- = Not analyzed or not applicable.
3. **Bold** denotes analyte detected above reporting limit.
4. Shading denotes analyte detected above Joint Source Control Strategy Screening Level (JSCS).
5. µg/L (ppb) = micrograms per liter (parts per billion).
6. mg/L (ppm) = miligrams per liter (parts per million).
7. * = Reporting limit provided by the lab was for Benzo(b+k)fluoranthene .
8. M = RPD between primary and duplicate sample exceeded precision goal of 30%.

Figures



Note: Base map prepared from USGS 7.5-minute quadrangle of Portland, OR, dated 2014 as provided by USGS.gov.

0 2,000 4,000

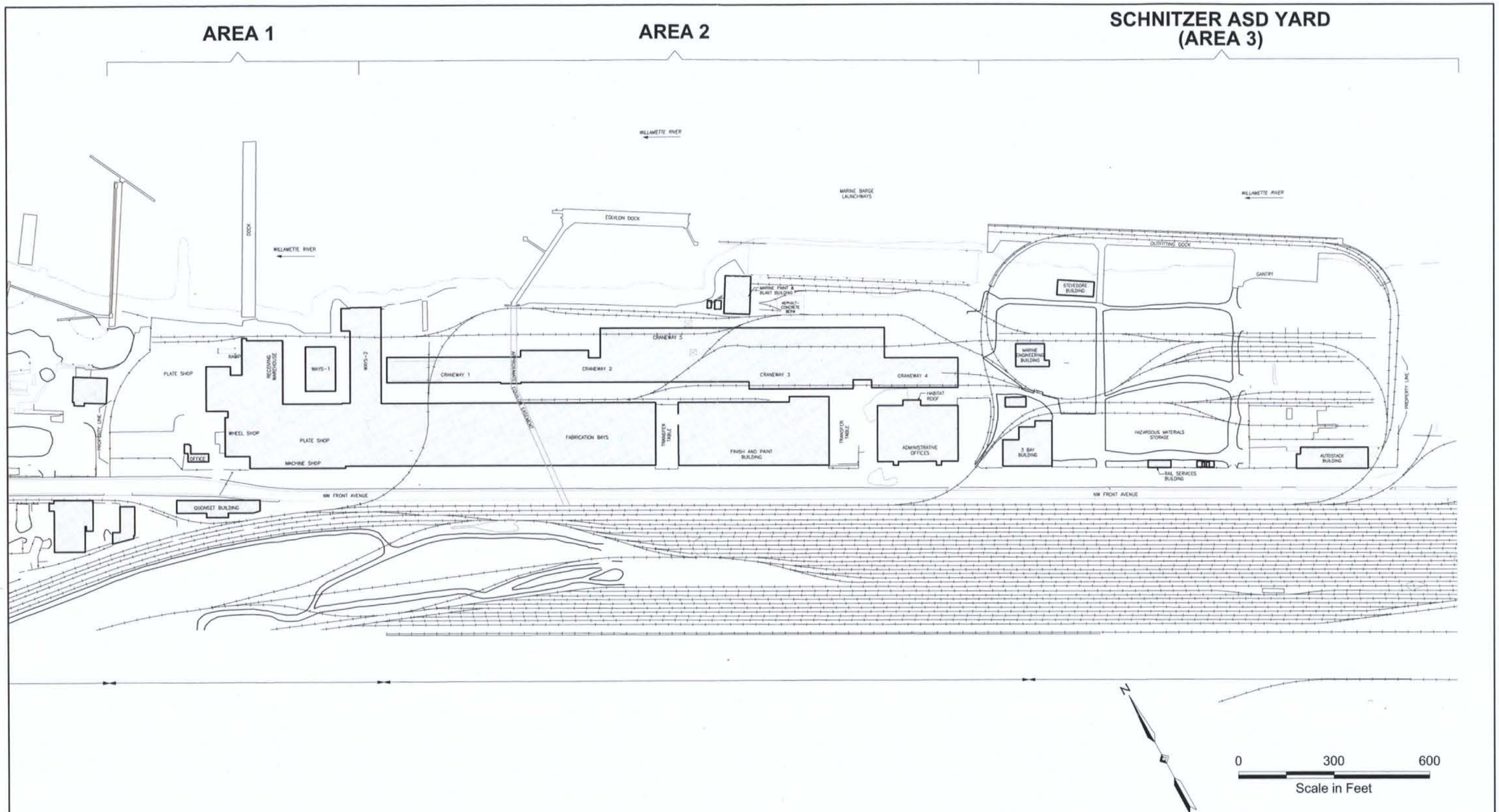
Approximate Scale in Feet

N

Site Location Map

Second Quarter 2015 Groundwater Monitoring Report
Gunderson LLC
Portland, Oregon

APEX Apex Companies, LLC 3015 SW First Avenue Portland, Oregon 97201	Project Number	1935-01	Figure
	September 2015		1

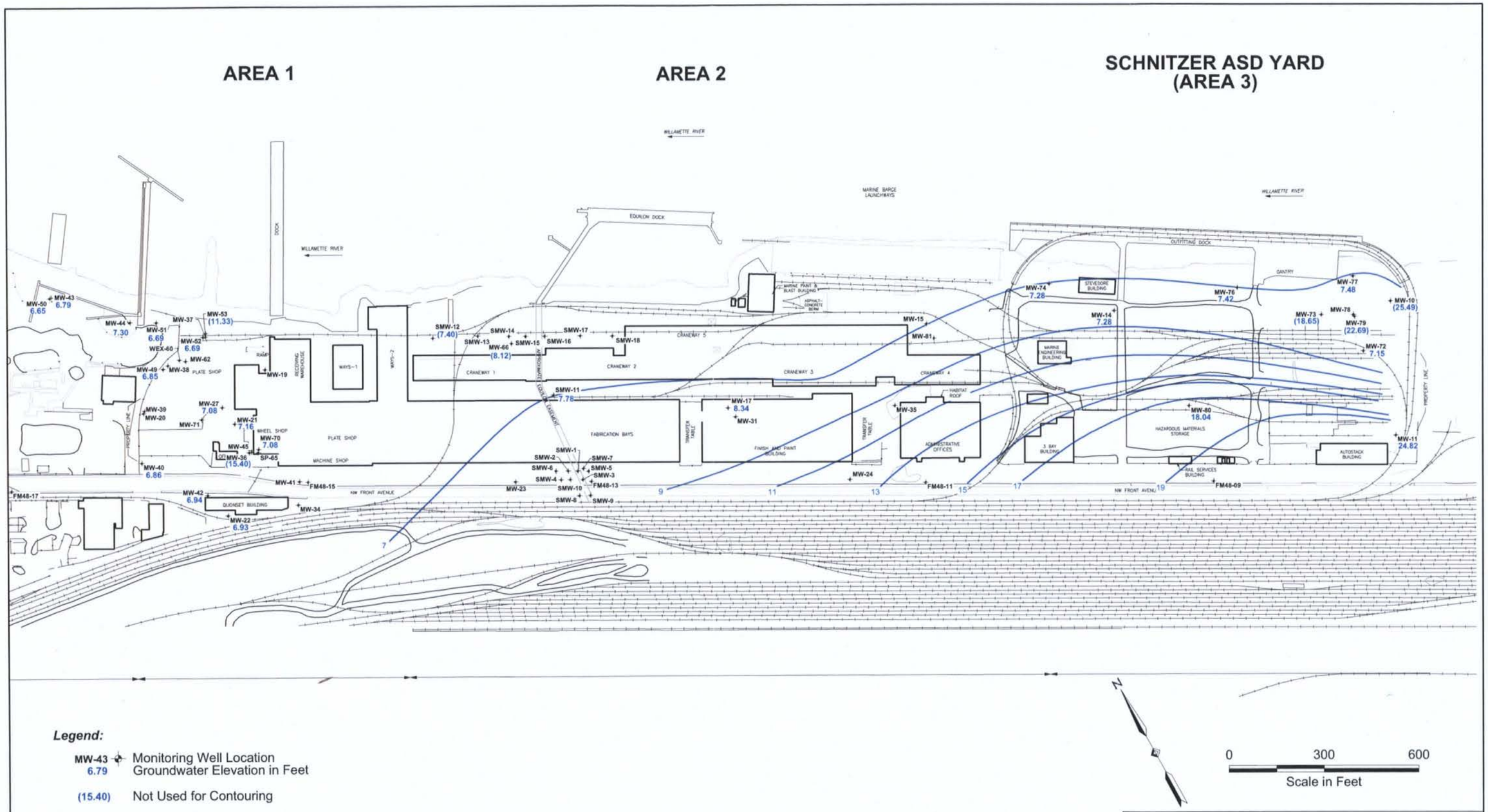


NOTE:
1) Base map prepared from a Johnson Land Survey and OSP-BASE-STW provided by Gunderson LLC.

Site Vicinity Plan

Second Quarter 2015 Groundwater Monitoring Report
Gunderson LLC
Portland, Oregon

APEX	Apex Companies, LLC 3015 SW First Avenue Portland, Oregon 97201	Project Number 1935-01 September 2015	Figure 2



Legend:

MW-43 6.79	Monitoring Well Location Groundwater Elevation in Feet
(15.40)	Not Used for Contouring
7	Groundwater Elevation Contour in Feet (Dashed Where Inferred)

NOTE:
1) Base map prepared from a Johnson Land Survey and OSP-BASE-STW provided by Gunderson LLC.

Groundwater Elevations

Second Quarter 2015 Groundwater Monitoring Report
Gunderson LLC
Portland, Oregon

APEX	Apex Companies, LLC 3015 SW First Avenue Portland, Oregon 97201	Project Number 1935-01 September 2015	Figure 3

Appendix A

Appendix A

Field Data Sheets

WELL GAGING DATA SHEET

APEX

		Job Number:	1535-01,02,03
Client:	Gunderson	Date:	6/25/15
Project:	GWM	Sampler:	CB
Weather:	85°, Sunny	Time In/Out:	1230/

WATER LEVEL DATA

Well I.D.	Time	Depth to Free Product (feet)	Depth to Water (feet)	Depth to Well Bottom (feet)	Product Thickness (feet)	Water Column Height (feet)	Notes/Other Remarks
MW-60	1240	—	—	—	—	—	Unable to open manhole
MW-62	1240	—	—	—	—	—	↓
MW-49	1242	—	28.67				
MW-39	1245	—	—	—	—	—	buried under lots of metal
MW-27	1248	—	27.93				
MW-71	1252	—	—	—	—	—	under large pieces of metal
MW-36	1256	—	21.42				
MW-70	1300	—	28.48				
MW-21	1302		28.12				
MW-19	1306	—	—	—	—	—	buried under metal pieces
MW-52	1310	—	27.72				
MW-53	1312	—	22.95				
SMW-12	1330	—	25.46				
MW-66	1336	—	26.35				
SMW-11	1342	—	26.95				
MW-17	1350	—	26.53				
MW-43	1410	—	33.55				
MW-50	1412	—	33.40				
MW-44	1418	—	27.48				
MW-51	1425	—	27.32				
MW-22	1435	—	30.88				
MW-42	1440	—	31.55				
MW-40	1445	—	32.63				
MW-41	1449	—	—	—	—	—	under parked car
MW-73	1455	—	—	—	—	—	↓
MW-76	1505	—	29.13				
MW-19	1510	—	25.96				
MW-74	1514	—	25.55				
MW-81	1517	—	24.92				
MW-73	1525	—	18.41				
MW-79	1530	—	12.65				
MW-77	1531	—	27.19				

WELL GAGING DATA SHEET

APEX

		Job Number:	1935-03
Client:	[illegible]	Date:	6/25/15
Project:	20 GPM	Sampler:	CS
Weather:	90°, HOT	Time In/Out:	

WATER LEVEL DATA

Well I.D.	Time	Depth to Free Product (feet)	Depth to Water (feet)	Depth to Well Bottom (feet)	Product Thickness (feet)	Water Column Height (feet)	Notes/Other Remarks
MW-10	1535	—	9.22				
MW-72	1538	—	26.73				
MW-11	1543	—	11.16				
MW-80	1550	—	15.84				

APEX
3015 SW First Avenue
Portland, Oregon 97201-4707
(503) 924-4704 Phone
(503) 943-6357 Fax

PROJECT NUMBER 1935-03
FIELD REPORT NUMBER
PAGE 1 OF 1
DATE 6/26/15

PROJECT	Gunderson 2Q GWM	ARRIVAL TIME	0745
LOCATION	Portland, OR	DEPARTURE TIME	1415
CLIENT	Gunderson	WEATHER	HOT
PURPOSE OF OBSERVATIONS	GWM		
APEX REPRESENTATIVE	CB	APEX PROJECT MANAGER	C. Beaver
CONTRACTOR	—	PERMIT NO.	—
CONTRACTOR REP.	—	H&S REVIEW	✓

Our firm's professionals are represented on site solely to observe operations of the contractor identified, to form opinions about the adequacy of those operations, and to report those opinions to our client. The presence and activities of our field representative do not relieve any contractor from its obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods, operations, send sequence of construction. Unless signed by the Ash Creek Associates Project Manager, this report is preliminary. A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those included in a preliminary report.

0745 onsite, check in
0833 Sample MW-72
0910 Sample MW-10
0948 Sample MW-77
1041 Sample MW-79
1148 Sample MW-73
~~Sample MW-43~~
1245 - Peristaltic pump not powerful enough to pull from MW-43 → DTW = 33.69
- will need to be sampled w/ bladder pump
1310 Sample MW-44
1345 Sample MW-51
1400 begin clean up, dump purge water
1410 sign out
1415 off site

BY

APEX REPRESENTATIVE

REVIEWED BY

APEX PROJECT MANAGER

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-72	Job Number:	1535-03
Client:	Cumberland	Date:	6/26/15
Project:	2Q	Sampler:	CB
Weather:		Time In/Out:	

WELL DATA

Well Depth:		Well Diameter:	2"	Water Height	
Depth to Water:		Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	Peri	Pump Intake Depth:		Comments
Sampling Method:	CF	Tubing Type:	LDPE	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
0823					7.95	14.58	61	2.70	-98.5	—	Cloudy
0826					7.80	19.03	61	3.30	-93.4	—	↓
0829					7.74	18.91	61	3.59	-89.4	—	↓
0832		1/2 gal			7.70	18.82	61	3.75	-85.7	—	↓

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-72	Sampling Flow Rate		Analytical Laboratory:	Apex
Sample Time:	0833	Final Depth to Water:		Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
2x 1L glass	HCl	Dx	yes (no)	—		
2x 1L glass	None	PAH	yes no			
1x 250ml PI	HNO3	Hg, Metals	yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

TPHd, PAH, Metals, Hg

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-10	Job Number:	1935-03
Client:	Gundersen	Date:	6/26/15
Project:	ZQ	Sampler:	CB
Weather:		Time In/Out:	

WELL DATA

Well Depth:		Well Diameter:	2"	Water Height	
Depth to Water:	9.48	Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	Peri	Pump Intake Depth:		Comments
Sampling Method:	LF	Tubing Type:	LDPE	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
0900			9.48		8.48	16.77	103	2.22	-98.9	—	Clear
0903			9.48		7.85	16.58	103	1.70	-90.6	—	↓
0906			9.48		7.90	16.67	104	1.48	-92.3	—	↓
0909			9.48		7.87	16.59	104	1.35	-94.8	—	↓

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-10	Sampling Flow Rate		Analytical Laboratory:	Apex	
Sample Time:	0910	Final Depth to Water:	9.48	Did Well Dewater?	No	
# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
2x 1L glass	HCl	Dx	yes no			
1x 250ml PP	HNO_3	Metals, Hg	yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-77	Job Number:	1935-03
Client:	Gunderson	Date:	6/26/15
Project:	ZQ	Sampler:	CB
Weather:		Time In/Out:	

WELL DATA

Well Depth:		Well Diameter:	2"	Water Height	
Depth to Water:	27.29	Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	Peri	Pump Intake Depth:		Comments
Sampling Method:	LF	Tubing Type:	LDPE	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
0935			27.29		7.61	20.18	62	4.10	-69.4	–	cloudy
0938			27.29	745	~~5.54~~	20.76	62	1.89	230.7	–	clear
0941			27.29		7.43	20.63	62	1.76	-77.6	–	
0944			27.29		7.41	20.64	62	1.44	-62.8	–	
0947		1/2 gal	27.29		7.40	20.63	62	1.32	-74.9	–	

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-77	Sampling Flow Rate		Analytical Laboratory:	Apex	
Sample Time:	0948	Final Depth to Water:	27.29	Did Well Dewater?	No	
# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
2x 1L Amber	HCl	Dx	yes no	—		
1x 250ml PI	HNO3	Metals, Hg	yes no	—		
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-79	Job Number:	1935-03
Client:	[illegible]	Date:	6/26/15
Project:	2Q	Sampler:	[illegible]
Weather:		Time In/Out:	

WELL DATA

Well Depth:		Well Diameter:	2"	Water Height	
Depth to Water:	12.95	Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	Peri	Pump Intake Depth:		Comments
Sampling Method:	LF	Tubing Type:	CDPE	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1031			12.95		7.71	17.22	97	2.57	-72.5	-	Clear
1034			12.95		7.44	17.34	98	1.49	-60.0	—	↓
1037			12.95		7.39	17.54	98	1.21	-49.2	—	↓
1041		1/2 gal	12.95		7.34	17.60	98	1.07	-42.1	—	↓

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-79	Sampling Flow Rate		Analytical Laboratory:	Apex
Sample Time:	1041	Final Depth to Water:	12.95	Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
2x 1L Amber	HCl	Dx	yes no	—	—	
2x 1L Amber	None	PAH	yes no	—	—	
2x 1L Amber	None	Phthalates	yes no	—	—	
1x 250ml PI	HNO3	Metals/Hg	yes no	—	—	
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-73	Job Number:	185-03
Client:	Gundersen	Date:	6/26/15
Project:	2Q	Sampler:	CB
Weather:		Time In/Out:	

WELL DATA

Well Depth:		Well Diameter:	2"	Water Height	
Depth to Water:	18.45	Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	Pump	Pump Intake Depth:	Comments
Sampling Method:	LC	Tubing Type:	LDPE

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1129			18.45		7.96	17.18	65	2.76	-69.7	—	Clear
1132			18.45		7.73	17.30	65	2.04	-70.1	—	
1135			18.45		7.55	17.20	66	1.62	-69.8	—	
1138			18.45		7.35	16.74	66	1.49	-65.7	—	
1141			18.45		7.26	16.52	66	1.41	-68.5	—	
1144			18.45		7.21	16.45	67	1.42	-68.8	—	
1147		1 gal	18.45		7.17	16.42	67	1.44	-68.7	—	

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-73	Sampling Flow Rate		Analytical Laboratory:	Apex
Sample Time:	1148	Final Depth to Water:	18.45	Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
2x 1L Amber	HCl	DX	yes (no)			
2x 1L Amber	None	PAH	yes (no)			
1x 250ml PL	HNO_3	Metals, Hg	yes (no)			
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-44	Job Number:	1935-01
Client:	Gunderson	Date:	6/26/15
Project:	2Q	Sampler:	CB
Weather:		Time In/Out:	

WELL DATA

Well Depth:		Well Diameter:	2"	Water Height	
Depth to Water:	28.35	Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	Peri	Pump Intake Depth:		Comments
Sampling Method:	LF	Tubing Type:	LDPE	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1257			28.35		8.89	21.38	83	4.20	-5.5	—	clear
1300			28.35		9.02	20.00	89	3.61	-13.3	—	↓
1303			28.35		9.01	19.84	89	3.22	-17.3	—	↓
1306			28.35		9.00	19.80	87	3.10	-21.5	—	↓
1309		3/4 gal	28.35		9.00	19.77	87	2.01	-23.0	—	↓

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-44	Sampling Flow Rate		Analytical Laboratory:	Apex	
Sample Time:	1310	Final Depth to Water:	28.35	Did Well Dewater?	No	
# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x VOA	HCl	VOCs	yes no	—	—	
			yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-51	Job Number:	1535-01
Client:	Gunderson	Date:	6/26/15
Project:	20	Sampler:	CB
Weather:		Time In/Out:	

WELL DATA

Well Depth:		Well Diameter:	2"	Water Height	
Depth to Water:	27.32	Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	Rez	Pump Intake Depth:		Comments
Sampling Method:	LF	Tubing Type:	LDPE	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1335			27.32		7.58	19.01	79	2.00	30.8	—	clear
1338			27.32		7.35	18.57	77	1.25	33.8	—	↓
1341			27.32		7.30	18.46	76	1.01	39.3	—	↓
1344		1/2 gal	27.32		7.25	18.39	76	0.82	43.1	—	↓

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-51	Sampling Flow Rate		Analytical Laboratory:	Apex	
Sample Time:	1345	Final Depth to Water:	27.32	Did Well Dewater?	No	
# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x VOA	HCl	VOCs	yes no			
			yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

APEX

3015 SW First Avenue
Portland, Oregon 97201-4707
(503) 924-4704 Phone
(503) 943-6357 Fax

PROJECT NUMBER 1935-01
FIELD REPORT NUMBER
PAGE 1 OF 1
DATE 6/30/15

PROJECT	Gunderson 2Q GWM	ARRIVAL TIME	0730
LOCATION	Gunderson	DEPARTURE TIME	1430
CLIENT	" "	WEATHER	Sunny/hot
PURPOSE OF OBSERVATIONS	GWM		
APEX REPRESENTATIVE	JM	APEX PROJECT MANAGER	C. Bremer
CONTRACTOR	–	PERMIT NO.	–
CONTRACTOR REP.	–	H&S REVIEW	yes

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0740 – onsite/sign in/Hasp review
sample wells:
MW-21
MW-27
MW-36
MW-49
MW-52
MW-62
MW-70
WEX-60
MW-66
MW-74

wells:
MW-39 and MW-71 are under substantial amounts of Metal

* People were working in close proximity to MW-17, No sample collected
* Need BP to Sample MW-43

- Cleanup/Dump purge H_2O/ Offsite: 1430

BY

REVIEWED BY

APEX REPRESENTATIVE

APEX PROJECT MANAGER

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW - 27	Job Number:	1935-01
Client:	Gunderson	Date:	6/30/15
Project:	Gwm	Sampler:	Jm
Weather:	Sunny	Time In/Out:	1030

WELL DATA

Well Depth:	—	Well Diameter:	2"	Water Height	—
Depth to Water:	27.85	Screened Interval:	—	x Multiplier	—
Water Column Length:	—	Depth to Free Product:	—	x Casing Volumes	—
Purge Volume:	—	Free Product Thickness:	—	= Purge Volume	—
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	—

PURGING DATA

Purge Method:	P. Pump	Pump Intake Depth:	5' from bottom
Sampling Method:	LF	Tubing Type:	HDPE

Comments

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1030	—	—	27.85	0.30	16.70	6.97	46	4.36	60.1	—	C
1033	—	—	27.86	↓	16.71	6.97	47	4.37	63.2	—	C
1036	—	—	27.87	↓	16.71	6.96	47	4.37	63.4	—	C
1039	—	—	27.87	↓	16.71	6.96	47	4.37	63.0	—	C

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-27	Sampling Flow Rate	0.30	Analytical Laboratory:	Apex
Sample Time:	1040	Final Depth to Water:	27.87	Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3 x 40 ml	HCl	VOC	yes (no)	—	—	—
			yes no		MW-27	Dup
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

* same time for Dup

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-74	Job Number:	1935-01
Client:	Gunderson	Date:	6/30/15
Project:	GWM	Sampler:	JM
Weather:	Sunny	Time In/Out:	1400

WELL DATA

Well Depth:	–	Well Diameter:	2"	Water Height	–
Depth to Water:	25.60	Screened Interval:	–	x Multiplier	–
Water Column Length:	–	Depth to Free Product:	–	x Casing Volumes	–
Purge Volume:	–	Free Product Thickness:	–	= Purge Volume	–
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	–

PURGING DATA

Purge Method:	P. Pump	Pump Intake Depth:	6' from bottom	Comments	
Sampling Method:	LF	Tubing Type:	HDPE	–	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1400	–	–	25.60	0.30	7.45	16.04	305	2.10	-60.5	–	C
1403	–	–	26.61	↓	7.50	16.03	307	1.01	-40.2	–	C
1406	–	–	25.61	↓	7.50	16.03	307	1.00	-39.3	–	C
1409	–	–	25.60	↓	7.51	16.03	307	1.01	-40.7	–	C

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-74	Sampling Flow Rate	0.30	Analytical Laboratory:	Apex
Sample Time:	1415	Final Depth to Water:	25.62	Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3 x 40 ml	HCl	VOC	yes (no)	–	–	–
2 x 1 L	HCl	TPH-D	yes no	–	–	–
1 x 250 ml	HNO_3	Metals	yes no	–	–	–
1 x 250 ml	HNO_3	Hg	yes (no)	–	–	–
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-21	Job Number:	1935-01
Client:	Gunderson	Date:	6/30/15
Project:	GWM	Sampler:	JM
Weather:	Sunny	Time In/Out:	1300

WELL DATA

Well Depth:	–	Well Diameter:	2"	Water Height	–
Depth to Water:	28.20	Screened Interval:	–	x Multiplier	–
Water Column Length:	–	Depth to Free Product:	–	x Casing Volumes	–
Purge Volume:	–	Free Product Thickness:	–	= Purge Volume	–
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	P. Pump	Pump Intake Depth:	5' from bottom
Sampling Method:	LF	Tubing Type:	HDPE

Comments: –

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1300	–	–	28.20	0.30	6.87	18.81	307	2.46	26.3	–	C
1303	–	–	28.21	↓	6.89	18.79	308	2.18	28.9	–	C
1306	–	–	28.20	↓	6.89	18.79	308	2.19	28.7	–	C
1309	–	–	28.20	↓	6.89	18.79	309	2.17	28.7	–	C

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-21	Sampling Flow Rate	0.30	Analytical Laboratory:	Apex
Sample Time:	1315	Final Depth to Water:	28.30	Did Well Dewater?	NO

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3 x 40 ml	HCl	VOC	yes (no)	–	–	–
			yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-66	Job Number:	1935-01
Client:	Gunderson	Date:	6/30/15
Project:	GWM	Sampler:	JM
Weather:	Sunny	Time In/Out:	1200

WELL DATA

Well Depth:	—	Well Diameter:	2"	Water Height	—
Depth to Water:	26.40	Screened Interval:	—	x Multiplier	—
Water Column Length:	—	Depth to Free Product:	—	x Casing Volumes	—
Purge Volume:	—	Free Product Thickness:	—	= Purge Volume	—
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	—

PURGING DATA

Purge Method:	P. Pump	Pump Intake Depth:	5' from bottom
Sampling Method:	LF	Tubing Type:	HDPE

Comments: —

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1200	—	—	26.40	0.30	8.61	17.03	207	1.39	-40.8	—	C
1203	—	—	26.41	↓	8.62	17.02	206	1.22	-67.2	—	C
1206	—	—	26.41	↓	8.62	17.02	207	0.81	-20.4	—	C
1209	—	—	26.42	↓	8.62	17.02	207	0.80	-20.6	—	C
1212	—	—	26.42	↓	8.62	17.01	207	0.80	-20.7	—	C

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-66	Sampling Flow Rate	0.30	Analytical Laboratory:	Apex
Sample Time:	1215	Final Depth to Water:	26.52	Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x40ml	HCl	VOC	yes (no)	—	—	—
2x1L	None	PAH	yes (no)	—	—	—
1x250ml	HNO3	Metals	yes (no)	—	—	—
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-70	Job Number:	1935-01
Client:	Gunderson	Date:	6/30/15
Project:	GWM	Sampler:	JM
Weather:	Sunny	Time In/Out:	1050

WELL DATA

Well Depth:	—	Well Diameter:	2"	Water Height	—
Depth to Water:	28.50	Screened Interval:	—	x Multiplier	—
Water Column Length:	—	Depth to Free Product:	—	x Casing Volumes	—
Purge Volume:	—	Free Product Thickness:	—	= Purge Volume	—
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	—

PURGING DATA

Purge Method:	P. Pump	Pump Intake Depth:	5' from bottom	Comments	
Sampling Method:	LF	Tubing Type:	HDPE	—	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1050	—	—	28.50	0.36	6.97	15.48	151	7.89	-9.4	—	C
1053	—	—	28.50	↓	6.94	15.50	150	7.90	-9.0	—	C
1056	—	—	28.51	↓	6.94	15.50	150	7.90	-9.1	—	C
1059	—	—	28.51	↓	6.94	15.50	150	7.90	-9.4	—	C
			*	Possible DO Probe Malfunction							

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-70	Sampling Flow Rate	0.30	Analytical Laboratory:	Apex
Sample Time:	1100	Final Depth to Water:	28.57	Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x40ml	HCl	VOC	yes (no)	—	—	—
			yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-36	Job Number:	1935-04
Client:	Gunderson	Date:	6/30/15
Project:	GWM	Sampler:	JM
Weather:	Sunny	Time In/Out:	1005

WELL DATA

Well Depth:	—	Well Diameter:	1"	Water Height	—
Depth to Water:	28.60	Screened Interval:	—	x Multiplier	—
Water Column Length:	—	Depth to Free Product:	—	x Casing Volumes	—
Purge Volume:	—	Free Product Thickness:	—	= Purge Volume	—
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	—

PURGING DATA

Purge Method:	P. Pump	Pump Intake Depth:	5' from bottom	Comments	
Sampling Method:	LF	Tubing Type:	HDPE	—	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1005	—	—	28.60	0.32	6.84	16.89	207	4.07	60.2	—	C
1008	—	—	28.61	↓	6.87	16.90	206	1.01	27.2	—	C
1011	—	—	28.61	↓	6.87	16.87	206	0.99	24.1	—	C
1014	—	—	28.61	↓	6.87	16.87	206	0.97	24.2	—	C
										—	

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	3x40 ml	Sampling Flow Rate	0.50	Analytical Laboratory:	Apex	
Sample Time:	1015	Final Depth to Water:	28.60	Did Well Dewater?	No	
# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x40ml	HCl	VOC	yes (no)	—	—	—
			yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-49	Job Number:	1935-01
Client:	Gunderson	Date:	6/30/15
Project:	Gwim	Sampler:	Jim
Weather:	Sunny	Time In/Out:	0930

WELL DATA

Well Depth:	—	Well Diameter:	2"	Water Height	—
Depth to Water:	28.60	Screened Interval:	—	x Multiplier	—
Water Column Length:	—	Depth to Free Product:	—	x Casing Volumes	—
Purge Volume:	—	Free Product Thickness:	—	= Purge Volume	—
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	P. Pump	Pump Intake Depth:	5' from bottom.	Comments	
Sampling Method:	LF	Tubing Type:	HDPE	—	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
0930	—	—	28.60	0.3	7.66	16.82	207	3.27	48.7	—	SC
0933	—	—	28.61	↓	7.67	16.81	201	1.53	47.0	—	SC
0936	—	—	28.60	↓	7.67	16.80	201	1.56	46.9	—	SC
0939	—	—	28.61	↓	7.67	16.80	202	1.51	47.0	—	SC

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-49	Sampling Flow Rate	0.30	Analytical Laboratory:	Apex	
Sample Time:	0940	Final Depth to Water:	28.62	Did Well Dewater?	No	
# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x40ml	HCl	VOC	yes (no)	—	—	—
			yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-52	Job Number:	
Client:	Gunderson	Date:	6/30/15
Project:	Cwm	Sampler:	Jm
Weather:	Sunny	Time In/Out:	0815

WELL DATA

Well Depth:	—	Well Diameter:	2"	Water Height	—
Depth to Water:	27.80	Screened Interval:	—	x Multiplier	—
Water Column Length:	—	Depth to Free Product:	—	x Casing Volumes	—
Purge Volume:	—	Free Product Thickness:	—	= Purge Volume	—
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	—

PURGING DATA

Purge Method:	P. Pump	Pump Intake Depth:	5' from bottom
Sampling Method:	LF	Tubing Type:	HDPE

Comments: —

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
0815	—	—	27.80	0.50	6.85	17.03	100	3.62	62.6	—	C
0818	—	—	27.81	↓	6.87	17.01	101	2.01	50.1	—	C
0821	—	—	27.82	↓	6.87	17.01	101	2.00	48.7	—	C
0824	—	—	27.83	↓	6.87	17.02	101	1.97	47.9	—	C

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-52	Sampling Flow Rate	0.50	Analytical Laboratory:	Apex
Sample Time:	0830	Final Depth to Water:	27.84	Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3 x 40 ml	HCl	VOC	yes (no)	—	—	—
			yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-02	Job Number:	—
Client:	Gunderson	Date:	6/30/15
Project:	GWM	Sampler:	JM
Weather:	Sunny	Time In/Out:	0900

WELL DATA

Well Depth:	—	Well Diameter:	—	Water Height	—
Depth to Water:	—	Screened Interval:	—	x Multiplier	—
Water Column Length:	—	Depth to Free Product:	—	x Casing Volumes	—
Purge Volume:	—	Free Product Thickness:	—	= Purge Volume	—
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	—

PURGING DATA

Purge Method:	—	Pump Intake Depth:	—
Sampling Method:	—	Tubing Type:	—

Comments

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
—	Sampled from Port										

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-02	Sampling Flow Rate	—	Analytical Laboratory:	— Apex
Sample Time:	0910	Final Depth to Water:	—	Did Well Dewater?	—

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x40 ml	HCl	VOC	yes (no)	—	—	~~MW~~
3x40 ml	HCl	VOC	yes (no)	—	—	MW-02 DUP
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

*Same time as Sample

WELL MONITORING DATA SHEET

APEX

Well I.D.	WEX-60	Job Number:	—
Client:	Gunderson	Date:	6/30/15
Project:	GWM	Sampler:	Jm
Weather:	Sunny	Time In/Out:	0850

WELL DATA

Well Depth:	—	Well Diameter:	—	Water Height	—
Depth to Water:	—	Screened Interval:	—	x Multiplier	—
Water Column Length:	—	Depth to Free Product:	—	x Casing Volumes	—
Purge Volume:	—	Free Product Thickness:	—	= Purge Volume	—
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	—

PURGING DATA

Purge Method:		Pump Intake Depth:	Comments
Sampling Method:		Tubing Type:	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
— Sampled from port —											

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	WEX-60	Sampling Flow Rate		Analytical Laboratory:	
Sample Time:	0850	Final Depth to Water:		Did Well Dewater?	

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x40ml	HCl	VOC	yes (no)	—	—	—
2x1L amb	HCl	TPHD	yes (no)	—	—	—
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

APEX Companies
3015 SW 1st Ave.
Portland, OR. 97201

Billing Information:
APEX Companies
3015 SW 1st Ave.
Portland, OR. 97201

Report to: John Foxwell / Joel Mattecheck
Email to: jmattecheck@apexcos.com

Project Description: Tarr Vancouver
City/State Collected: Vancouver WA.
Phone: 503-974-6056
FAX:
Client Project #: 1821-00
ESC Key:
Collected by: Joel Mattecheck
Site/Facility ID#:
P.O.#:
Collected by (signature):
Immediately Packed on Ice N Y X

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%
____ Three Day.....25%

Date Results Needed:
Email? __No X Yes
FAX? __No __Yes

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

ESC LAB SCIENCES
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

CoCode ASHCREPOR(lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	NWTPHGX	NWTPHDX	VOC's	EDB BY 8011	Total Lead				Remarks/Contaminant	Sample # (lab only)
MW-2	Grab	GW	—	7/1/15	1020	10	X	X	X	X	X					
MW-5	Grab	GW	—	7/1/15	0940	10	X	X	X	X	X					
MW-4	Grab	GW	—	7/1/15	0850	10	X	X	X	X	X					
MW-1	Grab	GW	—	7/1/15	0800	10	X	X	X	X	X					

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: Please send Results to: JFoxwell@apexcos.com

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐		Condition: (lab use only)	
Joel Mac (Apex)	7/1/15	1200					
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp:	Bottles Received:	CoC Seals Intact: ___Y ___N ___NA	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	pH Checked:	NCF:

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-39	Job Number:	1935-01.71
Client:	Gunderson	Date:	7/2/2015
Project:		Sampler:	CWP
Weather:	90°F, Sunny	Time In/Out:	13:00

WELL DATA

Well Depth:		Well Diameter:	2-inch	Water Height	
Depth to Water:	29.52	Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	Peristaltic Pump	Pump Intake Depth:	~ 33ft	Comments	
Sampling Method:	" "	Tubing Type:	Poly		

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
14:47			29.55	30 ml/min	7.79	17.34	226	5.65	-15.2		
14:49			29.55	3000	7.32	16.90	228	5.09	-5.3		
14:51			29.55	200	6.88	16.97	210	4.87	0.5		
14:53			29.55	200	6.49	16.64	171	4.74	2.1		

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-39	Sampling Flow Rate	200 ml/min	Analytical Laboratory:	Apex
Sample Time:	14:55	Final Depth to Water:	29.55	Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3 VOA	HCL	8260B	yes (no)			
			yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

APEX

3015 SW First Avenue
Portland, Oregon 97201-4707
(503) 924-4704 Phone
(503) 943-6357 Fax

PROJECT NUMBER 1935-01/02
FIELD REPORT NUMBER —
PAGE 1 OF 1
DATE 7/6/15

PROJECT	Gunderson 2Q	ARRIVAL TIME	0850
LOCATION	Portland, OR	DEPARTURE TIME	1220
CLIENT	Gunderson	WEATHER	HOT
PURPOSE OF OBSERVATIONS	GWM		
APEX REPRESENTATIVE	CB	APEX PROJECT MANAGER	C. Brewer
CONTRACTOR	—	PERMIT NO.	—
CONTRACTOR REP.	—	H&S REVIEW	✓

Our firm's professionals are represented on site solely to observe operations of the contractor identified, to form opinions about the adequacy of those operations, and to report those opinions to our client. The presence and activities of our field representative do not relieve any contractor from its obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods, operations, send sequence of construction. Unless signed by the Ash Creek Associates Project Manager, this report is preliminary. A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those included in a preliminary report.

0850 on-site check-in
0910 get forklift driver to move metal obstructing MW-71
MW-71 → DTW = 28.21
0953 Sample MW-71
1041 Sample MW-17
1156 Sample MW-43 w/ bladder pump
1215 sign out
1220 off site stop to refuel van
1300 Apex, unloading, create COC

BY

APEX REPRESENTATIVE

REVIEWED BY

APEX PROJECT MANAGER

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-71	Job Number:	1935-01
Client:	Conversr	Date:	7/6/15
Project:	2 Q	Sampler:	CD
Weather:	HCS	Time In/Out:	

WELL DATA

Well Depth:		Well Diameter:	2"	Water Height	
Depth to Water:	28.21	Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	Peri	Pump Intake Depth:		Comments
Sampling Method:	LF	Tubing Type:	LDPE	

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
0940			28.22		6.46	20.05	941	4.95	16.6	—	clear
0943			28.22		6.37	19.71	931	4.40	21.6	—	
0946			28.22		6.42	19.50	910	4.29	24.8	—	
0949			28.22		6.48	19.22	896	4.23	26.7	—	
0952		1/2 gal	28.22		6.49	19.17	889	4.26	27.7	—	

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-71	Sampling Flow Rate		Analytical Laboratory:	Apex	
Sample Time:	0953	Final Depth to Water:	28.22	Did Well Dewater?	No	
# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x VOA	HCl	VOC	yes no			
			yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-17	Job Number:	1935-02
Client:	Gundersen	Date:	7/6/15
Project:	2Q	Sampler:	CB
Weather:		Time In/Out:	

WELL DATA

Well Depth:		Well Diameter:	2"	Water Height	
Depth to Water:	26.05	Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	Peri	Pump Intake Depth:	Comments
Sampling Method:	LF	Tubing Type:	LDPE

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1028			26.23		7.75	17.07	663	2.75	-51.4	—	clear
1031			26.29		7.40	16.58	655	1.76	-41.0	—	
1034			26.35		7.12	16.44	651	1.09	-39.2	—	
1037			26.42		7.15	16.40	640	0.82	-44.9	—	
1040		1 gal	26.47		7.20	16.41	630	0.70	-47.5	—	

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-17	Sampling Flow Rate		Analytical Laboratory:	Apex
Sample Time:	1041	Final Depth to Water:	26.63	Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x VOA	HCl	VOCs	yes (no)	—		
2x 1L amber	None	Phthalates	yes (no)	—		
1x 250ml PE	HNO3	Metals	yes (no)	—		
			yes no			
			yes no			
			yes no			

COMMENTS

WELL MONITORING DATA SHEET

APEX

Well I.D.	MW-43	Job Number:	1935-01
Client:	Goodrich	Date:	7/6/15
Project:	28	Sampler:	CB
Weather:	HOT	Time In/Out:	

WELL DATA

Well Depth:		Well Diameter:	2"	Water Height	
Depth to Water:	32.30	Screened Interval:		x Multiplier	
Water Column Length:		Depth to Free Product:		x Casing Volumes	
Purge Volume:		Free Product Thickness:		= Purge Volume	
Water Height Multipliers (gal)	1-inch = 0.041	2-inch = 0.162	4-inch = 0.653	1 gallon = 3.785 liters	

PURGING DATA

Purge Method:	BP	Pump Intake Depth:	Comments
Sampling Method:	BP	Tubing Type:	SB

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (ppm)	ORP (mV)	Turbidity (NTUs)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5° C	+/-5%	+/- 0.5 ppm	+/-20mV	+/-10%	<-- Stabilization Criteria
1140			32.30		7.60	23.85	384	5.25	-129	—	clear
1143			32.30		7.24	19.60	514	2.47	3.4	—	
1146			32.30		6.77	18.74	521	1.67	19.9	—	
1149			32.30		6.65	18.55	522	1.54	20.5	—	
1152			32.30		6.61	18.38	521	1.49	19.6	—	
1155		15gal	32.30		6.59	18.38	522	1.45	18.3	—	

Clarity: VC = very cloudy, Cl = Cloudy, SC = slightly cloudy, AC = almost clear, C = clear

SAMPLING DATA

Sample ID:	MW-43	Sampling Flow Rate		Analytical Laboratory:	Apex
Sample Time:	1156	Final Depth to Water:	32.50	Did Well Dewater?	No

# Containers/Type	Preservative	Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID
3x VOA	HCl	VOC	yes (no)	—		
			yes no			
			yes no			
			yes no			
			yes no			
			yes no			

COMMENTS

Appendix B

Appendix B

Historical Groundwater Elevations Results

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-19	7/22/1991	34.86	24.45	10.41
	4/2/1992	34.86	25.94	8.92
	6/6/1992	34.86	25.79	9.07
	7/20/1994	34.86	26.35	8.51
	10/25/1994	34.86	27.85	7.01
	2/17/1995	34.86	23.05	11.81
	4/18/1995	34.86	24.11	10.75
	7/25/1995	34.86	24.55	10.31
	10/19/1995	34.86	27.00	7.86
	4/23/1996	34.86	18.45	16.41
	8/2/1996	34.86	23.56	11.30
	11/5/1996	34.86	26.14	8.72
	1/23/1997	34.86	17.08	17.78
	4/16/1997	34.86	21.35	13.51
	7/15/1997	34.86	21.52	13.34
	11/3/1997	34.86	24.90	9.96
	2/5/1998	34.86	21.00	13.86
	9/16/1998	34.86	26.47	8.39
	12/30/1998	34.86	22.78	12.08
	5/24/1999	34.86	21.60	13.26
	8/18/1999	34.86	24.33	10.53
	12/21/1999	34.86	22.98	11.88
	4/25/2000	34.86	22.49	12.37
	10/25/2000	34.86	27.23	7.63
	11/27/2000	34.86	27.31	7.55
	2/9/2001	34.86	27.08	7.78
	5/15/2001	34.86	27.05	7.81
	8/7/2001	34.86	27.86	7.00
	12/5/2001	34.86	26.98	7.88
	4/9/2002	34.86	25.55	9.31
	7/29/2002	34.86	24.50	10.36
	11/26/2002	34.86	27.03	7.83
	3/4/2003	34.86	25.02	9.84
	5/19/2003	34.86	23.52	11.34
	12/9/2003	34.86	26.18	8.68
	3/30/2004	34.86	23.98	10.88
	8/19/2004	34.86	26.59	8.27

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-19 (continued)	11/22/2004	34.86	26.61	8.25
	2/11/2005	34.86	26.02	8.84
	5/18/2005	34.86	24.73	10.13
	9/16/2005	34.86	27.12	7.74
	11/8/2005	34.86	26.52	8.34
	3/16/2006	34.86	23.58	11.28
	11/17/2006	34.86	26.11	8.75
	5/22/2007	34.86	23.58	11.28
	8/22/2007	34.86	26.35	8.51
	11/6/2007	34.86	27.68	7.18
	2/11/2008	34.86	24.41	10.45
	5/12/2008	34.86	24.90	9.96
	8/4/2008	34.86	25.99	8.87
	11/14/2008	34.86	27.27	7.59
	2/16/2009	34.86	26.65	8.21
	5/27/2009	34.86	23.40	11.46
	8/18/2009	34.86	26.32	8.54
	12/8/2009	34.86	26.75	8.11
	3/15/2010	34.86	26.04	8.82
	6/1/2010	34.86	24.83	10.03
	8/30/2010	34.86	26.30	8.56
	11/29/2010	34.86	26.29	8.57
	3/30/2011	34.86	22.07	12.79
	9/14/2011	34.86	25.32	9.54
	12/12/2011	34.86	26.33	8.53
	7/2/2012	34.86	19.93	14.93
	9/26/2012	34.86	25.96	8.90
	12/3/2012	34.86	24.45	10.41
	3/22/2013	34.86	25.84	9.02
	6/17/2013	34.86	23.99	10.87
	9/9/2013	34.86	26.52	8.34
	12/10/2013	34.86	26.64	8.22
	3/24/2014	34.86	22.84	12.02
	6/11/2014	34.86	23.37	11.49
	9/19/2014	34.86	29.11	5.75
	12/17/2014	34.86	25.37	9.49
	3/9/2015	34.86	27.20	9.49
	6/25/2015	34.86	--	–
MW-20	7/22/1991	36.99	29.56	7.43
	4/2/1992	36.99	29.08	7.91
	6/6/1992	36.99	28.10	8.89
	7/20/1994	36.99	29.10	7.89
	10/25/1994	36.99	30.56	6.43

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-20 (continued)	2/17/1995	36.99	25.35	11.64
	4/18/1995	36.99	26.21	10.78
	7/25/1995	36.99	28.05	8.94
	10/19/1995	36.99	31.30	5.69
	1/22/1996	36.99	19.32	17.67
	4/23/1996	36.99	20.81	16.18
	8/2/1996	36.99	26.80	10.19
	11/5/1996	36.99	29.53	7.46
	1/23/1997	36.99	21.26	15.73
	4/16/1997	36.99	24.47	12.52
	7/15/1997	36.99	24.47	12.52
	11/3/1997	36.99	27.08	9.91
	2/5/1998	36.99	25.70	11.29
	9/16/1998	36.99	29.68	7.31
	12/30/1998	36.99	22.19	14.80
	5/24/1999	36.99	24.19	12.80
	8/18/1999	36.99	27.39	9.60
	12/21/1999	36.99	23.36	13.63
	4/25/2000	36.99	23.27	13.72
	10/25/2000	36.99	30.08	6.91
	11/27/2000	36.99	29.48	7.51
	2/9/2001	36.99	29.25	7.74
	5/15/2001	36.99	29.82	7.17
	12/5/2001	36.99	26.69	10.30
	4/9/2002	36.99	28.24	8.75
	11/26/2002	36.99	29.97	7.02
	5/19/2003	36.99	25.75	11.24
	12/9/2003	36.99	27.93	9.06
	3/30/2004	36.99	28.01	8.98
	8/19/2004	36.99	29.35	7.64
	11/22/2004	36.99	30.02	6.97
	2/11/2005	36.99	28.26	8.73
	5/18/2005	36.99	26.21	10.78
	9/16/2005	36.99	30.49	6.50
	11/8/2005	36.99	28.57	8.42
	2/20/2006	36.99	26.95	10.04
	3/16/2006	36.99	26.82	10.17
	6/2/2006	36.99	22.67	14.32
	8/7/2006	36.99	29.15	7.84
	11/17/2006	36.99	26.75	10.24
	2/15/2007	36.99	28.51	8.48
	5/22/2007	36.99	25.79	11.20
	8/22/2007	36.99	29.8	7.19

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-20 (continued)	11/6/2007	36.99	31	5.99
	2/11/2008	36.99	26.47	10.52
	5/12/2008	36.99	26.1	10.89
	8/4/2008	36.99	28.29	8.70
	11/14/2008	36.99	27.89	9.10
	2/16/2009	36.99	28.7	8.29
	5/27/2009	36.99	24.01	12.98
	8/18/2009	36.99	30.07	6.92
	12/8/2009	36.99	28.92	8.07
	3/15/2010	36.99	28.56	8.43
	6/1/2010	36.99	26.54	10.45
	8/30/2010	36.99	29.81	7.18
	11/29/2010	36.99	28.58	8.41
	3/30/2011	36.99	24.38	12.61
	5/31/2011	36.99	17.98	19.01
	9/14/2011	36.99	28.93	8.06
	12/12/2011	36.99	28.93	8.06
	7/2/2012	36.99	21.51	15.48
	9/28/2012	36.99	29.58	7.41
	12/3/2012	36.99	25.30	11.69
MW-21	7/22/1991	35.28	26.75	8.53
	4/2/1992	35.28	27.53	7.75
	6/6/1992	35.28	26.67	8.61
	7/20/1994	35.28	27.65	7.63
	10/25/1994	35.28	29.16	6.12
	2/17/1995	35.28	23.98	11.30
	4/18/1995	35.28	24.81	10.47
	7/25/1995	35.28	26.45	8.83
	10/19/1995	35.28	28.40	6.88
	1/22/1996	35.28	17.55	17.73
	4/23/1996	35.28	19.40	15.88
	8/2/1996	35.28	29.19	6.09
	11/5/1996	35.28	27.95	7.33
	1/23/1997	35.28	18.64	16.64
	4/16/1997	35.28	22.95	12.33
	7/15/1997	35.28	22.95	12.33
	11/3/1997	35.28	25.62	9.66
	2/5/1998	35.28	23.15	12.13
	9/16/1998	35.28	28.13	7.15

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-21 (continued)	12/30/1998	35.28	21.41	13.87
	5/24/1999	35.28	22.69	12.59
	8/18/1999	35.28	25.82	9.46
	12/21/1999	35.28	22.14	13.14
	4/25/2000	35.28	22.03	13.25
	10/25/2000	35.28	28.65	6.63
	11/27/2000	35.28	28.04	7.24
	2/9/2001	35.28	27.85	7.43
	5/15/2001	35.28	28.36	6.92
	8/7/2001	35.28	28.96	6.32
	12/5/2001	35.28	25.64	9.64
	4/9/2002	35.28	26.76	8.52
	7/29/2002	35.28	26.51	8.77
	11/26/2002	35.28	28.40	6.88
	3/4/2003	35.28	26.67	8.61
	5/19/2003	35.28	24.34	10.94
	12/9/2003	35.28	26.71	8.57
	8/19/2004	35.28	27.55	7.73
	11/22/2004	35.28	26.65	8.63
	2/11/2005	35.28	26.60	8.68
	5/18/2005	35.28	24.79	10.49
	9/16/2005	35.28	28.61	6.67
	11/8/2005	35.28	26.94	8.34
	2/20/2006	35.28	24.97	10.31
	3/16/2006	35.28	25.05	10.23
	6/2/2006	35.28	20.93	14.35
	8/7/2006	35.28	27.27	8.01
	11/17/2006	35.28	25.15	10.13
	2/15/2007	35.28	26.65	8.63
	5/22/2007	35.28	24.04	11.24
	8/22/2007	35.28	27.90	7.38
	11/6/2007	35.28	29.12	6.16
	2/11/2008	35.28	24.75	10.53
	5/12/2008	35.28	24.51	10.77
	8/4/2008	35.28	26.48	8.80
	11/14/2008	35.28	26.75	8.53
	2/16/2009	35.28	27.77	7.51
	5/27/2009	35.28	22.49	12.79
	8/18/2009	35.28	28.10	7.18
	12/8/2009	35.28	27.22	8.06
	3/15/2010	35.28	26.81	8.47
	6/1/2010	35.28	24.85	10.43
	8/30/2010	35.28	27.91	7.37
	11/29/2010	35.28	26.73	8.55

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-21 (continued)	3/30/2011	35.28	22.61	12.67
	5/31/2011	35.28	16.48	18.80
	9/14/2011	35.28	27.02	8.26
	12/12/2011	35.28	27.17	8.11
	7/2/2012	35.28	19.85	15.43
	9/26/2012	35.28	27.74	7.54
	12/3/2012	35.28	23.89	11.39
	3/22/2013	35.28	27.09	8.19
	6/17/2013	35.28	25.25	10.03
	9/9/2013	35.28	27.94	7.34
	12/10/2013	35.28	27.55	7.73
	3/24/2014	35.28	23.79	11.49
	6/11/2014	35.28	23.43	11.85
	9/19/2014	35.28	28.6	6.68
	12/17/2014	35.28	26.11	9.17
	3/9/2015	34.86	25.75	9.49
	6/25/2015	35.28	28.12	7.16
MW-22	7/22/1991	37.81	28.98	8.83
	4/2/1992	37.81	29.81	8.00
	6/6/1992	37.81	28.96	8.85
	7/20/1994	37.81	29.90	7.91
	10/25/1994	37.81	31.40	6.41
	2/17/1995	37.81	26.14	11.67
	4/18/1995	37.81	26.99	10.82
	7/25/1995	37.81	28.80	9.01
	10/19/1995	37.81	30.81	7.00
	1/22/1996	37.81	19.40	18.41
	4/23/1996	37.81	21.49	16.32
	8/2/1996	37.81	27.48	10.33
	11/5/1996	37.81	30.78	7.03
	1/23/1997	37.81	21.81	16.00
	4/16/1997	37.81	25.22	12.59
	7/15/1997	37.81	25.22	12.59
	11/3/1997	37.81	27.85	9.96
	2/5/1998	37.81	25.34	12.47
	9/16/1998	37.81	30.43	7.38
	12/30/1998	37.81	22.92	14.89
	5/24/1999	37.81	24.92	12.89
	8/18/1999	37.81	28.11	9.70
	12/21/1999	37.81	24.05	13.76
	4/25/2000	37.81	24.05	13.76
	10/25/2000	37.81	30.97	6.84

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-22 (continued)	11/27/2000	37.81	30.22	7.59
	2/9/2001	37.81	30.08	7.73
	5/15/2001	37.81	30.59	7.22
	8/7/2001	37.81	31.15	6.66
	12/5/2001	37.81	27.38	10.43
	4/9/2002	37.81	28.98	8.83
	7/29/2002	37.81	29.02	8.79
	11/26/2002	37.81	30.67	7.14
	3/4/2003	37.81	28.99	8.82
	5/19/2003	37.81	26.51	11.30
	12/9/2003	37.81	28.74	9.07
	3/30/2004	37.81	28.76	9.05
	8/19/2004	37.81	30.02	7.79
	11/22/2004	37.81	30.62	7.19
	2/11/2005	37.81	29.05	8.76
	5/18/2005	37.81	27.08	10.73
	3/16/2006	37.81	27.49	10.32
	6/2/2006	37.81	23.14	14.67
	8/7/2006	37.81	29.92	7.89
	11/17/2006	37.81	27.34	10.47
	2/15/2007	37.81	29.23	8.58
	5/22/2007	37.81	26.50	11.31
	8/22/2007	37.81	30.63	7.18
	11/6/2007	37.81	31.73	6.08
	2/11/2008	37.81	27.00	10.81
	5/12/2008	37.81	26.85	10.96
	8/4/2008	37.81	29.04	8.77
	11/14/2008	37.81	28.70	9.11
	2/16/2009	37.81	29.45	8.36
	12/8/2009	37.81	29.64	8.17
	9/14/2011	37.81	29.73	8.08
	7/2/2012	37.81	22.94	14.87
	9/26/2012	37.81	30.59	7.22
	12/3/2012	37.81	27.89	9.92
	3/22/2013	37.81	29.68	8.13
	6/17/2013	37.81	27.90	9.91
	9/9/2013	37.81	30.59	7.22
	12/10/2013	37.81	30.10	7.71
	3/24/2014	37.81	26.30	11.51
	6/11/2014	37.81	26.05	11.76
	9/19/147	37.81	31.41	6.40
	12/17/2014	37.81	28.41	9.40
	3/9/2015	34.86	28.38	9.49
	6/25/2015	37.81	30.88	6.93
MW-27	4/2/1992	35.01	26.94	8.07
	6/6/1992	35.01	26.17	8.84
	7/20/1994	35.01	27.20	7.81
	10/25/1994	35.01	28.67	6.34
	2/17/1995	35.01	23.45	11.56

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-27 (continued)	4/18/1995	35.01	24.32	10.69
	7/25/1995	35.01	26.00	9.01
	10/19/1995	35.01	28.60	6.41
	1/22/1996	35.01	17.55	17.46
	4/23/1996	35.01	18.95	16.06
	8/2/1996	35.01	24.74	10.27
	11/5/1996	35.01	27.48	7.53
	1/23/1997	35.01	19.26	15.75
	4/16/1997	35.01	22.50	12.51
	7/15/1997	35.01	22.46	12.55
	11/3/1997	35.01	25.18	9.83
	2/5/1998	35.01	22.77	12.24
	9/16/1998	35.01	27.71	7.30
	12/30/1998	35.01	20.67	14.34
	5/24/1999	35.01	22.25	12.76
	8/18/1999	35.01	25.31	9.70
	12/21/1999	35.01	21.61	13.40
	4/25/2000	35.01	21.49	13.52
	10/25/2000	35.01	28.12	6.89
	11/27/2000	35.01	27.56	7.45
	2/9/2001	35.01	27.32	7.69
	5/15/2001	35.01	27.80	7.21
	8/7/2001	35.01	28.42	6.59
	12/5/2001	35.01	25.06	9.95
	4/9/2002	35.01	26.46	8.55
	7/29/2002	35.01	26.20	8.81
	11/26/2002	35.01	27.91	7.10
	3/4/2003	35.01	26.22	8.79
	5/19/2003	35.01	23.86	11.15
	12/9/2003	35.01	26.20	8.81
	3/30/2004	35.01	25.92	9.09
	8/19/2004	35.01	27.14	7.87
	11/22/2004	35.01	27.94	7.07
	2/11/2005	35.01	26.44	8.57
	5/18/2005	35.01	24.61	10.40
	9/16/2005	35.01	28.42	6.59
	11/8/2005	35.01	26.82	8.19

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-27 (continued)	2/20/2006	35.01	24.85	10.16
	6/2/2006	35.01	20.81	14.20
	8/7/2006	35.01	27.13	7.88
	11/17/2006	35.01	25.12	9.89
	2/15/2007	35.01	26.46	8.55
	5/22/2007	35.01	23.88	11.13
	8/22/2007	35.01	27.68	7.33
	11/6/2007	35.01	28.91	6.10
	2/11/2008	35.01	24.79	10.22
	5/12/2008	35.01	24.60	10.41
	8/4/2008	35.01	26.22	8.79
	11/14/2008	35.01	26.40	8.61
	2/16/2009	35.01	26.84	8.17
	5/27/2009	35.01	23.52	11.49
	8/18/2009	35.01	26.70	8.31
	12/7/2009	35.01	27.00	8.01
	3/15/2010	35.01	26.63	8.38
	6/1/2010	35.01	24.79	10.22
	8/30/2010	35.01	27.76	7.25
	11/29/2010	35.01	26.47	8.54
	3/30/2011	35.01	22.50	12.51
	5/31/2011	35.01	16.41	18.60
	9/14/2011	35.01	26.90	8.11
	12/12/2011	35.01	27.05	7.96
	7/2/2012	35.01	19.70	15.31
	9/26/2012	35.01	27.67	7.34
	12/3/2012	35.01	23.69	11.32
	3/22/2013	35.01	26.98	8.03
	6/17/2013	35.01	25.21	9.80
	9/9/2013	35.01	27.81	7.20
	12/10/2013	35.01	27.37	7.64
	3/24/2014	35.01	23.69	11.32
	6/11/2014	35.01	23.39	11.62
	9/19/2014	35.01	28.42	6.59
	12/17/2014	35.01	25.89	9.12
	3/9/2015	34.86	25.60	9.49
	6/25/2015	35.01	27.93	7.08
MW-34	4/18/1995	39.19	28.37	10.82
	7/25/1995	39.19	30.20	8.99
	10/19/1995	39.19	32.05	7.14
	1/22/1996	39.19	21.40	17.79
	4/23/1996	39.19	22.95	16.24
	8/2/1996	39.19	28.89	10.30
	11/5/1996	39.19	31.76	7.43

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-34	1/23/1997	39.19	22.81	16.38
(continued)	4/16/1997	39.19	26.26	12.93
	7/15/1997	39.19	26.61	12.58
	11/3/1997	39.19	29.25	9.94
	2/5/1998	39.19	26.70	12.49
	9/16/1998	39.19	31.82	7.37
	12/30/1998	39.19	24.41	14.78
	5/24/1999	39.19	26.31	12.88
	8/18/1999	39.19	29.52	9.67
	12/21/1999	39.19	25.51	13.68
	4/25/2000	39.19	25.47	13.72
	10/25/2000	39.19	32.36	6.83
	11/27/2000	39.19	31.65	7.54
	2/9/2001	39.19	31.55	7.64
	5/15/2001	39.19	31.98	7.21
	8/7/2001	39.19	32.53	6.66
	12/5/2001	39.19	28.92	10.27
	4/9/2002	39.19	30.39	8.80
	7/29/2002	39.19	30.35	8.84
	11/26/2002	39.19	32.09	7.10
	3/4/2003	39.19	30.38	8.81
	5/19/2003	39.19	27.90	11.29
	12/9/2003	39.19	30.18	9.01
	3/30/2004	39.19	30.15	9.04
	8/19/2004	39.19	31.42	7.77
	11/22/2004	39.19	31.98	7.21
	2/11/2005	39.19	30.27	8.92
	5/18/2005	39.19	28.52	10.67
	9/16/2005	39.19	32.57	6.62
	11/8/2005	39.19	30.72	8.47
	3/16/2006	39.19	28.91	10.28
	6/2/2006	39.19	24.77	14.42
	8/7/2006	39.19	31.32	7.87
	11/17/2006	39.19	28.83	10.36
	2/15/2007	39.19	30.60	8.59
	5/22/2007	39.19	27.93	11.26
	8/22/2007	39.19	32.02	7.17
	11/6/2007	39.19	33.10	6.09
	2/11/2008	39.19	28.50	10.69
	5/12/2008	39.19	28.22	10.97
	8/4/2008	39.19	30.41	8.78
	11/14/2008	39.19	30.20	8.99
	2/16/2009	39.19	30.80	8.39

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-36	9/16/1998	36.82	29.48	7.34
	12/30/1998	36.82	22.09	14.73
	5/24/1999	36.82	23.95	12.87
	8/18/1999	36.82	27.17	9.65
	12/21/1999	36.82	23.19	13.63
	4/25/2000	36.82	23.11	13.71
	10/25/2000	36.82	29.17	7.65
	11/27/2000	36.82	29.30	7.52
	2/9/2001	36.82	29.00	7.82
	5/15/2001	36.82	29.88	6.94
	8/7/2001	36.82	30.16	6.66
	12/5/2001	36.82	26.50	10.32
	4/9/2002	36.82	28.01	8.81
	7/29/2002	36.82	28.06	8.76
	11/26/2002	36.82	29.69	7.13
	3/4/2003	36.82	27.97	8.85
	5/19/2003	36.82	25.52	11.30
	12/9/2003	36.82	27.75	9.07
	3/30/2004	36.82	27.70	9.12
	8/19/2004	36.82	29.16	7.66
	11/22/2004	36.82	29.48	7.34
	2/11/2005	36.82	28.08	8.74
	5/18/2005	36.82	26.10	10.72
	9/16/2005	36.82	30.32	6.50
	11/8/2005	36.82	28.35	8.47
	1/16/2006	36.82	20.55	16.27
	2/20/2006	36.82	27.20	9.62
	3/16/2006	36.82	26.62	10.20
	6/2/2006	36.82	22.45	14.37
	8/7/2006	36.82	29.02	7.80
	11/17/2006	36.82	26.51	10.31
	2/15/2007	36.82	28.29	8.53
	5/22/2007	36.82	25.54	11.28
	8/22/2007	36.82	29.69	7.13
	11/6/2007	36.82	30.76	6.06
	2/11/2008	36.82	24.12	12.70

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-36 (continued)	5/12/2008	36.82	25.85	10.97
	8/4/2008	36.82	28.08	8.74
	11/14/2008	36.82	27.81	9.01
	2/16/2009	36.82	28.34	8.48
	5/27/2009	36.82	23.93	12.89
	8/18/2009	36.82	29.82	7.00
	12/8/2009	36.82	28.80	8.02
	3/15/2010	36.82	28.35	8.47
	6/1/2010	36.82	26.35	10.47
	8/30/2010	36.82	29.63	7.19
	11/29/2010	36.82	28.29	8.53
	3/30/2011	36.82	24.08	12.74
	5/31/2011	36.82	17.71	19.11
	9/14/2011	36.82	28.80	8.02
	12/12/2011	36.82	28.74	8.08
	7/2/2012	36.82	21.30	15.52
	9/26/2012	36.82	29.55	7.27
	12/3/2012	36.82	25.10	11.72
	3/22/2013	36.82	28.71	8.11
	6/17/2013	36.82	26.95	9.87
	9/9/2013	36.82	29.55	7.27
	12/10/2013	36.82	29.11	7.71
	3/24/2014	36.82	25.41	11.41
	6/11/2014	36.82	25.10	11.72
	9/19/2014	36.82	30.32	6.50
	12/17/2014	36.82	27.63	9.19
	3/9/2015	34.86	27.40	9.49
	6/25/2015	36.82	21.42	15.40
MW-37	9/16/1998	34.36	27.00	7.36
	12/30/1998	34.36	19.87	14.49
	5/24/1999	34.36	21.70	12.66
	8/18/1999	34.36	26.02	8.34
	12/21/1999	34.36	21.16	13.20
	4/25/2000	34.36	21.03	13.33
	10/25/2000	34.36	27.48	6.88
	11/27/2000	34.36	27.98	6.38
	2/9/2001	34.36	26.75	7.61
	5/15/2001	34.36	27.02	7.34
	8/7/2001	34.36	27.82	6.54
	12/5/2001	34.36	24.36	10.00
	4/9/2002	34.36	25.67	8.69
	7/29/2002	34.36	25.51	8.85
	11/26/2002	34.36	27.25	7.11
	3/4/2003	34.36	25.68	8.68
	5/19/2003	34.36	23.34	11.02
	12/9/2003	34.36	26.20	8.16
	3/30/2004	34.36	25.79	8.57
	8/19/2004	34.36	26.73	7.63
	11/22/2004	34.36	27.51	6.85

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-37 (continued)	2/11/2005	34.36	26.23	8.13
	5/18/2005	34.36	24.22	10.14
	9/16/2005	34.36	27.88	6.48
	11/8/2005	34.36	26.49	7.87
	2/20/2006	34.36	25.80	8.56
	3/16/2006	34.36	24.45	9.91
	6/2/2006	34.36	20.54	13.82
	8/7/2006	34.36	26.72	7.64
	2/15/2007	34.36	26.27	8.09
	5/22/2007	34.36	23.58	10.78
	8/22/2007	34.36	27.21	7.15
	11/6/2007	34.36	28.30	6.06
	2/11/2008	34.36	25.55	8.81
	5/12/2008	34.36	25.10	9.26
	8/4/2008	34.36	26.28	8.08
	11/14/2008	34.36	26.10	8.26
	2/16/2009	34.36	26.55	7.81
	5/27/2009	34.36	22.10	12.26
	8/18/2009	34.36	27.34	7.02
	12/8/2009	34.36	26.50	7.86
	3/15/2010	34.36	26.30	8.06
	6/1/2010	34.36	25.44	8.92
	8/30/2010	34.36	27.31	7.05
	11/29/2010	34.36	26.19	8.17
	3/30/2011	34.36	22.48	11.88
	5/31/2011	34.36	16.26	18.10
	9/14/2011	34.36	26.64	7.72
	12/12/2011	34.36	26.71	7.65
	7/2/2012	34.36	19.53	14.83
	9/26/2012	34.36	27.16	7.20
	12/3/2012	34.36	23.81	10.55
MW-38	9/16/1998	34.87	27.54	7.33
	12/30/1998	34.87	19.97	14.90
	5/24/1999	34.87	22.06	12.81
	8/18/1999	34.87	25.31	9.56
	12/21/1999	34.87	21.28	13.59
	4/25/2000	34.87	21.26	13.61
	10/25/2000	34.87	28.00	6.87
	11/27/2000	34.87	27.36	7.51
	2/9/2001	34.87	27.20	7.67

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-38	5/15/2001	34.87	27.72	7.15
(continued)	8/7/2001	34.87	28.27	6.60
	12/5/2001	34.87	24.63	10.24
	4/9/2002	34.87	26.20	8.67
	7/29/2002	34.87	26.16	8.71
	11/26/2002	34.87	27.85	7.02
	3/4/2003	34.87	26.11	8.76
	5/19/2003	34.87	23.66	11.21
	12/9/2003	34.87	25.88	8.99
	3/30/2004	34.87	25.93	8.94
	8/19/2004	34.87	27.22	7.65
	11/22/2004	34.87	28.08	6.79
	2/11/2005	34.87	26.48	8.39
	5/18/2005	34.87	24.52	10.35
	9/16/2005	34.87	28.60	6.27
	11/8/2005	34.87	26.61	8.26
	2/20/2006	34.87	25.56	9.31
	3/16/2006	34.87	24.46	10.41
	6/2/2006	34.87	20.87	14.00
	8/7/2006	34.87	27.26	7.61
	11/17/2006	34.87	24.84	10.03
	2/15/2007	34.87	26.62	8.25
	5/22/2007	34.87	23.87	11.00
	8/22/2007	34.87	27.85	7.02
	11/6/2007	34.87	29.00	5.87
	2/11/2008	34.87	22.64	12.23
	5/12/2008	34.87	24.35	10.52
	8/4/2008	34.87	26.34	8.53
	11/14/2008	34.87	26.02	8.85
	2/16/2009	34.87	26.77	8.10
	5/27/2009	34.87	23.10	11.77
	8/18/2009	34.87	27.98	6.89
	12/8/2009	34.87	27.15	7.72
	3/15/2010	34.87	26.43	8.44
	6/1/2010	34.87	24.61	10.26
	8/30/2010	34.87	27.86	7.01

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-38 (continued)	11/29/2010	34.87	26.79	8.08
	3/30/2011	34.87	22.59	12.28
	5/31/2011	34.87	16.14	18.73
	9/14/2011	34.87	27.16	7.71
	12/12/2011	34.87	27.19	7.68
	7/2/2012	34.87	19.96	14.91
	9/26/2012	34.87	27.89	6.98
	12/3/2012	34.87	23.76	11.11
MW-39	9/16/1998	37.04	29.74	7.30
	12/30/1998	37.04	22.01	15.03
	5/24/1999	37.04	24.31	12.73
	8/18/1999	37.04	27.47	9.57
	12/21/1999	37.04	23.45	13.59
	4/25/2000	37.04	23.31	13.73
	10/25/2000	37.04	30.17	6.87
	11/27/2000	37.04	29.56	7.48
	2/9/2001	37.04	29.34	7.70
	5/15/2001	37.04	29.90	7.14
	8/7/2001	37.04	30.40	6.64
	12/5/2001	37.04	26.75	10.29
	4/9/2002	37.04	28.33	8.71
	7/29/2002	37.04	28.41	8.63
	11/26/2002	37.04	30.01	7.03
	3/4/2003	37.04	28.30	8.74
	5/19/2003	37.04	25.80	11.24
	12/9/2003	37.04	28.00	9.04
	3/30/2004	37.04	28.08	8.96
	8/19/2004	37.04	29.35	7.69
	11/22/2004	37.04	30.03	7.01
	2/11/2005	37.04	28.35	8.69
	5/18/2005	37.04	26.27	10.77
	9/16/2005	37.04	30.59	6.45
	2/20/2006	37.04	27.66	9.38
	3/16/2006	37.04	26.93	10.11
	6/2/2006	37.04	22.75	14.29
	8/7/2006	37.04	29.27	7.77
	11/17/2006	37.04	26.81	10.23
	2/15/2007	37.04	28.63	8.41
	5/22/2007	37.04	25.88	11.16

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-39 (continued)	8/22/2007	37.04	30.00	7.04
	11/6/2007	37.04	31.07	5.97
	2/11/2008	37.04	24.54	12.50
	5/12/2008	37.04	26.20	10.84
	8/4/2008	37.04	28.35	8.69
	11/14/2008	37.04	28.03	9.01
	2/16/2009	37.04	28.69	8.35
	5/27/2009	37.04	24.01	13.03
	8/18/2009	37.04	30.18	6.86
	12/8/2009	37.04	29.00	8.04
	3/15/2010	37.04	28.62	8.42
	6/1/2010	37.04	26.60	10.44
	8/30/2010	37.04	29.90	7.14
	11/29/2010	37.04	28.66	8.38
	3/30/2011	37.04	24.36	12.68
	5/31/2011	37.04	17.93	19.11
	9/14/2011	37.04	29.04	8.00
	12/12/2011	37.04	29.02	8.02
	7/2/2012	37.04	21.66	15.38
	9/26/2012	37.04	29.88	7.16
	12/3/2012	37.04	25.34	11.70
	3/22/2013	37.04	29.09	7.95
	6/17/2013	37.04	27.32	9.72
	9/9/2013	37.04	28.88	8.16
	12/10/2013	37.04	29.40	7.64
	3/24/2014	37.04	25.80	11.24
	6/11/2014	37.04	25.52	11.52
	9/19/2014	37.04	30.78	6.26
	12/17/2014	37.04	27.98	9.06
	3/9/2015	34.86	26.45	9.49
	6/25/2015	37.04	--	--
MW-40	9/16/1998	39.49	32.23	7.26
	12/30/1998	39.49	24.44	15.05
	5/24/1999	39.49	26.72	12.77
	8/18/1999	39.49	29.89	9.60
	12/21/1999	39.49	25.85	13.64
	4/25/2000	39.49	25.79	13.70
	10/25/2000	39.49	32.80	6.69
	11/27/2000	39.49	32.01	7.48
	2/9/2001	39.49	31.88	7.61
	5/15/2001	39.49	32.32	7.17
	8/7/2001	39.49	32.92	6.57
	12/5/2001	39.49	29.19	10.30
	4/9/2002	39.49	30.80	8.69
	7/29/2002	39.49	30.90	8.59
	11/26/2002	39.49	32.39	7.10
	3/4/2003	39.49	30.80	8.69
	5/19/2003	39.49	28.23	11.26
	12/9/2003	39.49	30.46	9.03

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-40 (continued)	3/30/2004	39.49	30.56	8.93
	8/19/2004	39.49	31.72	7.77
	11/22/2004	39.49	32.27	7.22
	2/11/2005	39.49	30.81	8.68
	5/18/2005	39.49	22.84	16.65
	9/16/2005	39.49	32.96	6.53
	11/8/2005	39.49	31.15	8.34
	3/16/2006	39.49	29.30	10.19
	6/2/2006	39.49	25.17	14.32
	8/7/2006	39.49	31.65	7.84
	11/17/2006	39.49	29.19	10.30
	2/15/2007	39.49	31.00	8.49
	5/22/2007	39.49	28.23	11.26
	8/22/2007	39.49	32.41	7.08
	11/6/2007	39.49	33.50	5.99
	2/11/2008	39.49	26.92	12.57
	5/12/2008	39.49	28.60	10.89
	8/4/2008	39.49	30.75	8.74
	11/14/2008	39.49	30.39	9.10
	2/16/2009	39.49	31.08	8.41
	5/27/2009	39.49	26.44	13.05
	8/18/2009	39.49	32.49	7.00
	12/8/2009	39.49	31.62	7.87
	3/15/2010	39.49	31.00	8.49
	6/1/2010	39.49	29.00	10.49
	8/30/2010	39.49	32.25	7.24
	11/29/2010	39.49	30.94	8.55
	3/30/2011	39.49	26.80	12.69
	5/31/2011	39.49	20.32	19.17
	9/14/2011	39.49	31.51	7.98
	12/12/2011	39.49	31.39	8.10
	7/2/2012	39.49	23.98	15.51
	9/26/2012	39.49	32.43	7.06
	12/3/2012	39.49	27.72	11.77
	3/22/2013	39.49	31.47	8.02
	6/17/2013	39.49	29.70	9.79
	9/9/2013	39.49	32.31	7.18
	12/10/2013	39.49	31.78	7.71
	3/24/2014	39.49	28.12	11.37
	6/11/2014	39.49	22.85	16.64
	9/19/147	39.49	33.23	6.26
	12/17/2014	39.49	30.11	9.38
	3/9/2015	34.86	30.09	9.49
MW-41	9/16/1998	36.57	29.19	7.38
	12/30/1998	36.57	21.95	14.62
	5/24/1999	36.57	23.66	12.91
	8/18/1999	36.57	26.83	9.74
	12/21/1999	36.57	22.90	13.67
	4/25/2000	36.57	22.88	13.69

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-41 (continued)	10/25/2000	36.57	29.48	7.09
	11/27/2000	36.57	28.99	7.58
	2/9/2001	36.57	28.80	7.77
	5/15/2001	36.57	29.30	7.27
	8/7/2001	36.57	29.92	6.65
	12/5/2001	36.57	26.94	9.63
	4/9/2002	36.57	27.72	8.85
	7/29/2002	36.57	27.69	8.88
	11/26/2002	36.57	29.38	7.19
	3/4/2003	36.57	27.69	8.88
	5/19/2003	36.57	25.27	11.30
	12/9/2003	36.57	27.58	8.99
	3/30/2004	36.57	27.34	9.23
	8/19/2004	36.57	28.79	7.78
	11/22/2004	36.57	29.24	7.33
	2/11/2005	36.57	27.84	8.73
	5/18/2005	36.57	25.92	10.65
	9/16/2005	36.57	29.85	6.72
	11/8/2005	36.57	28.10	8.47
	3/16/2006	36.57	26.27	10.30
	6/2/2006	36.57	22.15	14.42
	8/7/2006	36.57	28.61	7.96
	11/17/2006	36.57	26.23	10.34
	2/15/2007	36.57	27.92	8.65
	2/11/2008	36.57	23.85	12.72
	5/12/2008	36.57	25.63	10.94
	2/16/2009	36.57	28.06	8.51
	5/27/2009	36.57	23.79	12.78
	8/18/2009	36.57	29.55	7.02
	12/7/2009	36.57	28.60	7.97
	3/15/2010	36.57	28.10	8.47
	6/1/2010	36.57	26.05	10.52
	8/30/2010	36.57	29.21	7.36
	11/29/2010	36.57	27.99	8.58
	3/30/2011	36.57	23.77	12.80

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-41 (continued)	5/31/2011	36.57	17.60	18.97
	9/14/2011	36.57	24.20	12.37
	12/12/2011	36.57	28.33	8.24
	7/2/2012	36.57	21.01	15.56
	9/26/2012	36.57	29.24	7.33
	12/3/2012	36.57	24.80	11.77
	3/22/2013	36.57	28.41	8.16
	6/17/2013	36.57	26.60	9.97
	9/9/2013	36.57	29.30	7.27
	12/11/2013	36.57	28.65	7.92
	3/24/2014	36.57	29.04	7.53
	6/11/2014	36.57	24.75	11.82
	9/19/2014	36.57	30.01	6.56
	12/17/2014	NM	NM	NM
	3/9/2015	34.86	21.70	9.49
MW-42	9/16/1998	38.49	31.17	7.32
	12/30/1998	38.49	23.54	14.95
	5/24/1999	38.49	25.66	12.83
	8/18/1999	38.49	28.84	9.65
	12/21/1999	38.49	24.80	13.69
	4/25/2000	38.49	24.75	13.74
	10/25/2000	38.49	31.69	6.80
	11/27/2000	38.49	30.95	7.54
	2/9/2001	38.49	30.80	7.69
	5/15/2001	38.49	31.25	7.24
	8/7/2001	38.49	31.87	6.62
	12/5/2001	38.49	28.16	10.33
	4/9/2002	38.49	29.70	8.79
	7/29/2002	38.49	29.08	9.41
	11/26/2002	38.49	31.35	7.14
	3/4/2003	38.49	29.71	8.78
	5/19/2003	38.49	27.19	11.30
	12/9/2003	38.49	29.44	9.05
	3/30/2004	38.49	29.41	9.08
	8/19/2004	38.49	30.73	7.76
	11/22/2004	38.49	31.21	7.28
	2/11/2005	38.49	29.76	8.73
	5/18/2005	38.49	27.81	10.68
	9/16/2005	38.49	31.90	6.59
	11/8/2005	38.49	29.98	8.51
	2/20/2006	38.49	28.64	9.85
	3/16/2006	38.49	28.22	10.27
	6/2/2006	38.49	24.08	14.41
	8/7/2006	38.49	30.62	7.87
	11/17/2006	38.49	28.13	10.36
	2/15/2007	38.49	29.95	8.54
	5/22/2007	38.49	27.19	11.30
	8/22/2007	38.49	31.33	7.16

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-42 (continued)	11/6/2007	38.49	32.45	6.04
	2/11/2008	38.49	25.81	12.68
	5/12/2008	38.49	27.50	10.99
	8/4/2008	38.49	29.76	8.73
	11/14/2008	38.49	29.45	9.04
	2/16/2009	38.49	29.98	8.51
	5/27/2009	38.49	25.40	13.09
	8/18/2009	38.49	31.41	7.08
	12/7/2009	38.49	30.36	8.13
	3/15/2010	38.49	29.95	8.54
	6/1/2010	38.49	28.01	10.48
	8/30/2010	38.49	31.20	7.29
	11/29/2010	38.49	29.88	8.61
	3/30/2011	38.49	25.70	12.79
	5/31/2011	38.49	19.24	19.25
	9/14/2011	38.49	30.43	8.06
	12/12/2011	38.49	30.40	8.09
	7/2/2012	38.49	22.95	15.54
	9/28/2012	38.49	31.28	7.21
	12/3/2012	38.49	26.67	11.82
	3/22/2013	38.49	30.39	8.10
	6/17/2013	38.49	28.61	9.88
	9/9/2013	38.49	31.28	7.21
	12/10/2013	38.49	30.73	7.76
	3/24/2014	38.49	26.98	11.51
	6/11/2014	38.49	26.78	11.71
	9/19/2014	38.49	32.15	6.34
	12/17/2014	38.49	29.05	9.44
	3/9/2015	34.86	29.05	9.49
	6/25/2015	38.49	31.55	6.94
MW-43	5/24/1999	40.34	27.65	12.69
	8/18/1999	40.34	30.85	9.49
	12/21/1999	40.34	26.77	13.57
	4/25/2000	40.34	26.68	13.66
	10/25/2000	40.34	33.43	6.91
	11/27/2000	40.34	32.88	7.46
	2/9/2001	40.34	32.81	7.53
	5/15/2001	40.34	33.22	7.12
	8/7/2001	40.34	33.83	6.51
	12/5/2001	40.34	30.03	10.31
	4/9/2002	40.34	31.73	8.61
	7/29/2002	40.34	31.74	8.60
	11/26/2002	40.34	33.25	7.09
	3/4/2003	40.34	31.77	8.57
	5/19/2003	40.34	29.14	11.20
	12/9/2003	40.34	31.30	9.04
	3/30/2004	40.34	31.49	8.85
	8/19/2004	40.34	32.66	7.68
	11/22/2004	40.34	33.22	7.12

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-43 (continued)	2/11/2005	40.34	31.67	8.67
	5/18/2005	40.34	29.70	10.64
	9/16/2005	40.34	33.80	6.54
	11/8/2005	40.34	31.93	8.41
	2/20/2006	40.34	30.74	9.60
	3/16/2006	40.34	30.21	10.13
	6/2/2006	40.34	26.11	14.23
	8/7/2006	40.34	32.63	7.71
	11/17/2006	40.34	30.07	10.27
	2/15/2007	40.34	31.94	8.40
	5/22/2007	40.34	28.95	11.39
	8/22/2007	40.34	33.39	6.95
	11/6/2007	40.34	34.47	5.87
	2/11/2008	40.34	29.89	10.45
	5/12/2008	40.34	29.51	10.83
	8/4/2008	40.34	31.71	8.63
	11/14/2008	40.34	31.20	9.14
	2/16/2009	40.34	31.91	8.43
	5/27/2009	40.34	27.22	13.12
	8/18/2009	40.34	33.41	6.93
	12/7/2009	40.34	32.33	8.01
	3/15/2010	40.34	31.90	8.44
	6/1/2010	40.34	29.88	10.46
	8/30/2010	40.34	33.16	7.18
	11/29/2010	40.34	31.99	8.35
	3/30/2011	40.34	27.76	12.58
	5/31/2011	40.34	21.13	19.21
	9/14/2011	40.34	32.38	7.96
	12/12/2011	40.34	32.29	8.05
	7/2/2012	40.34	24.93	15.41
	9/26/2012	40.34	33.46	6.88
	12/3/2012	40.34	28.59	11.75
	3/22/2013	40.34	32.43	7.91
	6/17/2013	40.34	30.81	9.53
	9/9/2013	40.34	33.19	7.15
	12/10/2013	40.34	33.15	7.19
	3/24/2014	40.34	29.16	11.18
	6/11/2014	40.34	28.83	11.51
	9/19/2014	40.34	34.50	5.84
	12/17/2014	40.34	30.96	9.38
	3/9/2015	34.86	31.10	9.49
	6/25/2015	40.34	33.55	6.79
MW-44	5/24/1999	34.78	22.70	12.08
	8/18/1999	34.78	25.21	9.57
	12/21/1999	34.78	21.22	13.56
	4/25/2000	34.78	21.09	13.69
	10/25/2000	34.78	27.90	6.88
	11/27/2000	34.78	27.40	7.38
	2/9/2001	34.78	27.05	7.73

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-44 (continued)	5/15/2001	34.78	27.56	7.22
	8/7/2001	34.78	28.02	6.76
	12/5/2001	34.78	24.07	10.71
	4/9/2002	34.78	26.16	8.62
	11/26/2002	34.78	27.87	6.91
	3/4/2003	34.78	29.00	5.78
	5/19/2003	34.78	23.91	10.87
	12/9/2003	34.78	26.27	8.51
	3/30/2004	34.78	25.88	8.90
	11/22/2004	34.78	27.61	7.17
	2/11/2005	34.78	26.04	8.74
	5/18/2005	34.78	24.40	10.38
	9/16/2005	34.78	27.91	6.87
	11/8/2005	34.78	26.82	7.96
	2/20/2006	34.78	24.68	10.10
	3/16/2006	34.78	24.72	10.06
	6/2/2006	34.78	20.49	14.29
	8/7/2006	34.78	27.05	7.73
	11/17/2006	34.78	24.50	10.28
	2/15/2007	34.78	26.29	8.49
	5/22/2007	34.78	24.81	9.97
	8/22/2007	34.78	27.57	7.21
	11/6/2007	34.78	28.26	6.52
	2/11/2008	34.78	24.60	10.18
	5/12/2008	34.78	24.15	10.63
	8/4/2008	34.78	26.09	8.69
	11/14/2008	34.78	26.11	8.67
	2/16/2009	34.78	27.70	7.08
	5/27/2009	34.78	25.49	9.29
	8/18/2009	34.78	27.15	7.63
	12/7/2009	34.78	26.98	7.80
	3/15/2010	34.78	26.31	8.47
	6/1/2010	34.78	24.68	10.10
	8/30/2010	34.78	27.44	7.34
	11/29/2010	34.78	26.58	8.20

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-44 (continued)	3/30/2011	34.78	22.09	12.69
	5/31/2011	34.78	15.73	19.05
	9/14/2011	34.78	24.20	10.58
	12/12/2011	34.78	26.41	8.37
	7/2/2012	34.78	19.50	15.28
	9/26/2012	34.78	26.63	8.15
	12/3/2012	34.78	24.62	10.16
	3/22/2013	34.78	26.89	7.89
	6/17/2013	34.78	25.47	9.31
	9/9/2013	34.78	27.58	7.20
	12/10/2013	34.78	27.51	7.27
	3/24/2014	34.78	24.40	10.38
	6/11/2014	34.78	23.22	11.56
	9/19/2014	34.78	26.30	8.48
	12/17/2014	34.78	25.46	9.32
	3/9/2015	34.86	24.80	9.49
	6/25/2015	34.78	27.48	7.30
MW-45	5/24/1999	36.89	24.02	12.87
	8/18/1999	36.89	27.18	9.71
	12/21/1999	36.89	23.27	13.62
	4/25/2000	36.89	23.20	13.69
	10/25/2000	36.89	29.98	6.91
	11/27/2000	36.89	29.34	7.55
	2/9/2001	36.89	29.16	7.73
	5/15/2001	36.89	29.65	7.24
	8/7/2001	36.89	30.22	6.67
	12/5/2001	36.89	26.65	10.24
	4/9/2002	36.89	28.07	8.82
	7/29/2002	36.89	28.40	8.49
	11/26/2002	36.89	29.77	7.12
	3/4/2003	36.89	28.06	8.83
	5/19/2003	36.89	25.62	11.27
	12/9/2003	36.89	27.83	9.06
	3/30/2004	36.89	27.71	9.18
	8/19/2004	36.89	29.14	7.75
	11/22/2004	36.89	29.61	7.28
	2/11/2005	36.89	28.14	8.75
	5/18/2005	36.89	26.24	10.65
	9/16/2005	36.89	30.30	6.59
	11/8/2005	36.89	29.45	7.44
	1/16/2006	36.89	20.65	16.24
	2/20/2006	36.89	27.91	8.98
	3/16/2006	36.89	26.63	10.26
	6/2/2006	36.89	23.56	13.33
	8/7/2006	36.89	29.63	7.26
	11/17/2006	36.89	26.81	10.08
	2/15/2007	36.89	28.27	8.62
	5/22/2007	36.89	25.96	10.93
	8/22/2007	36.89	30.21	6.68

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-45 (continued)	11/6/2007	36.89	31.00	5.89
	2/11/2008	36.89	26.04	10.85
	5/12/2008	36.89	25.96	10.93
	8/4/2008	36.89	28.79	8.10
	11/14/2008	36.89	28.12	8.77
	2/16/2009	36.89	28.41	8.48
	5/27/2009	36.89	24.19	12.70
	8/18/2009	36.89	29.91	6.98
	12/8/2009	36.89	28.93	7.96
	3/15/2010	36.89	28.44	8.45
	6/1/2010	36.89	26.91	9.98
	8/30/2010	36.89	30.03	6.86
	11/29/2010	36.89	28.50	8.39
	3/30/2011	36.89	24.16	12.73
	5/31/2011	36.89	17.90	18.99
	9/14/2011	36.89	28.68	8.21
	12/12/2011	36.89	28.83	8.06
	7/2/2012	36.89	21.34	15.55
	9/26/2012	36.89	29.40	7.49
	12/3/2012	36.89	25.25	11.64
MW-49	11/27/2000	35.52	28.30	7.22
	2/9/2001	35.52	27.83	7.69
	5/15/2001	35.52	28.37	7.15
	8/7/2001	35.52	28.92	6.60
	12/5/2001	35.52	25.26	10.26
	4/9/2002	35.52	26.80	8.72
	7/29/2002	35.52	26.81	8.71
	11/26/2002	35.52	28.49	7.03
	3/4/2003	35.52	26.79	8.73
	5/19/2003	35.52	24.32	11.20
	12/9/2003	35.52	26.53	8.99
	3/30/2004	35.52	26.63	8.89
	8/19/2004	35.52	27.86	7.66
	11/22/2004	35.52	28.67	6.85
	2/11/2005	35.52	26.95	8.57
	5/18/2005	35.52	25.02	10.50
	9/16/2005	35.52	29.08	6.44
	11/8/2005	35.52	27.14	8.38
	2/20/2006	35.52	25.74	9.78

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-49 (continued)	3/16/2006	35.52	25.40	10.12
	6/2/2006	35.52	21.34	14.18
	8/7/2006	35.52	27.76	7.76
	11/17/2006	35.52	25.37	10.15
	2/15/2007	35.52	27.14	8.38
	5/22/2007	35.52	24.43	11.09
	8/22/2007	35.52	28.43	7.09
	11/6/2007	35.52	29.50	6.02
	2/11/2008	35.52	25.11	10.41
	5/12/2008	35.52	24.80	10.72
	8/4/2008	35.52	26.96	8.56
	11/14/2008	35.52	26.66	8.86
	2/16/2009	35.52	27.38	8.14
	5/27/2009	35.52	22.59	12.93
	8/18/2009	35.52	28.58	6.94
	12/8/2009	35.52	27.55	7.97
	3/15/2010	35.52	28.15	7.37
	6/1/2010	35.52	25.14	10.38
	8/30/2010	35.52	28.43	7.09
	11/29/2010	35.52	27.17	8.35
	3/30/2011	35.52	23.08	12.44
	5/31/2011	35.52	17.63	17.89
	9/14/2011	35.52	27.64	7.88
	12/12/2011	35.52	27.64	7.88
	7/2/2012	35.52	20.30	15.22
	9/26/2012	35.52	28.35	7.17
	12/3/2012	35.52	24.09	11.43
	3/22/2013	35.52	27.65	7.87
	6/17/2013	35.52	25.93	9.59
	9/9/2013	35.52	28.52	7.00
	12/10/2013	35.52	28.05	7.47
	3/24/2014	35.52	24.41	11.11
	6/11/2014	35.52	24.14	11.38
	9/19/2014	35.52	29.11	6.41
	12/17/2014	35.52	26.47	9.05
	3/9/2015	34.86	26.10	9.49
	6/25/2015	35.52	28.67	6.85
MW-50	11/27/2000	40.05	32.67	7.38
	2/9/2001	40.05	32.68	7.37
	5/15/2001	40.05	33.08	6.97
	8/7/2001	40.05	33.99	6.06
	12/5/2001	40.05	29.84	10.21
	4/9/2002	40.05	28.42	11.63
	7/29/2002	40.05	31.97	8.08
	11/26/2002	40.05	33.07	6.98
	3/4/2003	40.05	31.61	8.44
	5/19/2003	40.05	29.02	11.03
	12/9/2003	40.05	31.13	8.92
	3/30/2004	40.05	31.35	8.70

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-50 (continued)	8/19/2004	40.05	32.47	7.58
	11/22/2004	40.05	33.00	7.05
	2/11/2005	40.05	31.50	8.55
	5/18/2005	40.05	29.49	10.56
	9/16/2005	40.05	33.72	6.33
	11/8/2005	40.05	31.77	8.28
	2/20/2006	40.05	30.63	9.42
	3/16/2006	40.05	30.11	9.94
	6/2/2006	40.05	25.96	14.09
	8/7/2006	40.05	32.45	7.60
	11/17/2006	40.05	29.92	10.13
	2/15/2007	40.05	31.79	8.26
	5/22/2007	40.05	29.11	10.94
	8/22/2007	40.05	33.22	6.83
	11/6/2007	40.05	34.30	5.75
	2/11/2008	40.05	29.80	10.25
	5/12/2008	40.05	29.35	10.70
	8/4/2008	40.05	31.42	8.63
	11/14/2008	40.05	31.15	8.90
	2/16/2009	40.05	31.82	8.23
	5/27/2009	40.05	27.22	12.83
	8/18/2009	40.05	33.14	6.91
	12/7/2009	40.05	32.18	7.87
	3/15/2010	40.05	31.79	8.26
	6/1/2010	40.05	29.74	10.31
	8/30/2010	40.05	33.03	7.02
	11/29/2010	40.05	31.89	8.16
	3/30/2011	40.05	27.70	12.35
	5/31/2011	40.05	20.86	19.19
	9/14/2011	40.05	32.26	7.79
	12/12/2011	40.05	32.17	7.88
	7/2/2012	40.05	24.72	15.33
	9/26/2012	40.05	33.32	6.73
	12/3/2012	40.05	28.55	11.50
	3/22/2013	40.05	32.30	7.75
	6/17/2013	40.05	30.59	9.46
	9/9/2013	40.05	33.03	7.02
	12/10/2013	40.05	32.89	7.16
	3/24/2014	40.05	29.02	11.03
	6/11/2014	40.05	28.70	11.03
	9/19/2014	40.05	34.35	11.35
	12/17/2014	40.05	30.82	9.23
	3/9/2015	34.86	30.90	9.49
	6/25/2015	40.05	33.40	6.65
MW-51	11/27/2000	34.01	26.61	7.40
	2/9/2001	34.01	26.55	7.46
	5/15/2001	34.01	27.00	7.01
	8/7/2001	34.01	27.64	6.37
	12/5/2001	34.01	23.64	10.37
	4/9/2002	34.01	25.63	8.38

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-51 (continued)	7/29/2002	34.01	25.75	8.26
	11/26/2002	34.01	27.02	6.99
	3/4/2003	34.01	25.61	8.40
	5/19/2003	34.01	23.01	11.00
	12/9/2003	34.01	25.00	9.01
	3/30/2004	34.01	25.31	8.70
	8/19/2004	34.01	26.46	7.55
	11/22/2004	34.01	27.11	6.90
	2/11/2005	34.01	25.57	8.44
	5/18/2005	34.01	23.58	10.43
	9/16/2005	34.01	27.75	6.26
	11/8/2005	34.01	25.62	8.39
	2/20/2006	34.01	24.77	9.24
	3/16/2006	34.01	24.11	9.90
	6/2/2006	34.01	20.17	13.84
	8/7/2006	34.01	26.62	7.39
	11/17/2006	34.01	23.91	10.10
	2/15/2007	34.01	25.96	8.05
	8/22/2007	34.01	27.25	6.76
	11/6/2007	34.01	28.20	5.81
	2/11/2008	34.01	23.94	10.07
	5/12/2008	34.01	23.50	10.51
	8/4/2008	34.01	25.69	8.32
	11/14/2008	34.01	24.96	9.05
	2/16/2009	34.01	25.99	8.02
	5/27/2009	34.01	21.00	13.01
	8/18/2009	34.01	27.30	6.71
	12/7/2009	34.01	26.12	7.89
	3/15/2010	34.01	25.84	8.17
	6/1/2010	34.01	23.80	10.21
	8/30/2010	34.01	27.16	6.85
	11/29/2010	34.01	25.93	8.08
	3/30/2011	34.01	21.95	12.06
	5/31/2011	34.01	14.87	19.14
	9/14/2011	34.01	26.42	7.59
	12/12/2011	34.01	26.33	7.68
	7/2/2012	34.01	18.98	15.03
	9/26/2012	34.01	27.38	6.63
	12/3/2012	34.01	22.6	11.41
	3/22/2013	34.01	26.41	7.60
	6/17/2013	34.01	24.81	9.20
	9/9/2013	34.01	27.16	6.85
	12/10/2013	34.01	26.85	7.16
	3/24/2014	34.01	23.25	10.76
	6/11/2014	34.01	22.91	11.10
	9/19/2014	34.01	28.00	6.01
	12/17/2014	34.01	24.77	9.24
	3/9/2015	34.86	24.90	9.49
	6/25/2015	34.01	27.32	6.69

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-52	11/27/2000	34.41	27.61	6.80
	2/9/2001	34.41	27.21	7.20
	5/15/2001	34.41	27.40	7.01
	8/7/2001	34.41	28.62	5.79
	12/5/2001	34.41	25.49	8.92
	4/9/2002	34.41	26.20	8.21
	7/29/2002	34.41	25.96	8.45
	11/26/2002	34.41	27.62	6.79
	3/4/2003	34.41	26.85	7.56
	5/19/2003	34.41	24.09	10.32
	12/9/2003	34.41	25.60	8.81
	3/30/2004	34.41	25.80	8.61
	8/19/2004	34.41	26.53	7.88
	11/22/2004	34.41	27.73	6.68
	2/11/2005	34.41	27.03	7.38
	5/18/2005	34.41	24.14	10.27
	9/16/2005	34.41	28.44	5.97
	2/20/2006	34.41	25.31	9.10
	3/16/2006	34.41	24.60	9.81
	6/2/2006	34.41	20.84	13.57
	8/7/2006	34.41	27.16	7.25
	2/15/2007	34.41	26.53	7.88
	5/22/2007	34.41	23.74	10.67
	8/22/2007	34.41	27.74	6.67
	11/6/2007	34.41	28.75	5.66
	2/11/2008	34.41	24.62	9.79
	5/12/2008	34.41	24.19	10.22
	8/4/2008	34.41	26.31	8.10
	11/14/2008	34.41	25.81	8.60
	2/16/2009	34.41	32.10	2.31
	5/27/2009	34.41	29.19	5.22
	8/18/2009	34.41	27.94	6.47
	12/7/2009	34.41	26.74	7.67
	3/15/2010	34.41	26.49	7.92
	6/1/2010	34.41	24.39	10.02
	8/30/2010	34.41	27.70	6.71
	11/29/2010	34.41	26.50	7.91

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-52 (continued)	3/30/2011	34.41	22.65	11.76
	5/31/2011	34.41	15.62	18.79
	9/14/2011	34.41	27.12	7.29
	12/12/2011	34.41	27.04	7.37
	7/2/2012	34.41	19.69	14.72
	9/26/2012	34.41	27.75	6.66
	12/3/2012	34.41	23.35	11.06
	3/22/2013	34.41	27.09	7.32
	6/17/2013	34.41	25.48	8.93
	9/9/2013	34.41	27.76	6.65
	12/10/2013	34.41	27.23	7.18
	3/24/2014	34.41	23.87	10.54
	6/11/2014	34.41	23.57	10.84
	9/19/2014	34.41	28.28	6.13
	12/17/2014	34.41	25.50	8.91
	3/9/2015	34.86	25.30	9.49
	6/25/2015	34.41	27.72	6.69
MW-53	11/27/2000	34.28	26.50	7.78
	2/9/2001	34.28	25.11	9.17
	5/15/2001	34.28	25.14	9.14
	8/7/2001	34.28	26.90	7.38
	12/5/2001	34.28	25.15	9.13
	4/9/2002	34.28	23.50	10.78
	7/29/2002	34.28	24.30	9.98
	11/26/2002	34.28	27.83	6.45
	3/4/2003	34.28	25.07	9.21
	5/19/2003	34.28	23.25	11.03
	12/9/2003	34.28	24.58	9.70
	3/30/2004	34.28	23.30	10.98
	8/19/2004	34.28	25.26	9.02
	11/22/2004	34.28	25.58	8.70
	2/11/2005	34.28	27.31	6.97
	5/18/2005	34.28	23.73	10.55
	9/16/2005	34.28	26.33	7.95
	11/8/2005	34.28	25.07	9.21
	3/16/2006	34.28	22.78	11.50
	6/2/2006	34.28	18.74	15.54
	8/7/2006	34.28	24.67	9.61
	11/17/2006	34.28	26.96	7.32
	2/15/2007	34.28	23.11	11.17
	5/22/2007	34.28	21.39	12.89
	8/22/2007	34.28	24.90	9.38
	11/6/2007	34.28	25.76	8.52
	2/11/2008	34.28	21.86	12.42
	5/12/2008	34.28	21.80	12.48
	8/4/2008	34.28	23.53	10.75
	11/14/2008	34.28	24.51	9.77
	2/16/2009	34.28	27.41	6.87
	5/27/2009	34.28	20.70	13.58

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-53 (continued)	8/18/2009	34.28	22.80	11.48
	12/7/2009	34.28	24.29	9.99
	3/15/2010	34.28	23.93	10.35
	6/1/2010	34.28	23.15	11.13
	8/30/2010	34.28	23.69	10.59
	11/29/2010	34.28	23.29	10.99
	3/30/2011	34.28	21.48	12.80
	5/31/2011	34.28	16.98	17.30
	9/14/2011	34.28	19.62	14.66
	12/12/2011	34.28	23.98	10.30
	7/2/2012	34.28	19.33	14.95
	9/26/2012	34.28	21.28	13.00
	12/3/2012	34.28	20.90	13.38
	3/22/2013	34.28	22.71	11.57
	6/17/2013	34.28	21.90	12.38
	9/9/2013	34.28	23.32	10.96
	12/10/2013	34.28	24.06	10.22
	3/24/2014	34.28	21.74	12.54
	6/11/2014	34.28	20.74	13.54
	9/19/2014	34.28	23.02	11.26
	12/17/2014	34.28	22.97	11.31
	3/9/2015	34.86	27.25	9.49
	6/25/2015	34.28	22.95	11.33
WEX-60	12/5/2001	35.18	24.77	10.41
	4/9/2002	35.18	26.18	9.00
	7/29/2002	35.18	26.00	9.18
	11/26/2002	35.18	27.81	7.37
	3/4/2003	35.18	26.50	8.68
	5/19/2003	35.18	23.54	11.64
	12/9/2003	35.18	25.92	9.26
	3/30/2004	35.18	25.98	9.20
	11/22/2004	35.18	35.78	-0.60
	2/11/2005	35.18	37.38	-2.20
	5/18/2005	35.18	35.64	-0.46
	9/16/2005	35.18	39.08	-3.90
	11/8/2005	35.18	31.11	4.07
	1/16/2006	35.18	23.25	11.93
	2/20/2006	35.18	34.56	0.62
	3/16/2006	35.18	25.11	10.07
	6/2/2006	35.18	34.30	0.88
	8/7/2006	35.18	38.98	-3.80
	11/17/2006	35.18	32.36	2.82
	2/15/2007	35.18	34.67	0.51
	5/22/2007	35.18	33.18	2.00
	8/22/2007	35.18	33.74	1.44
	11/6/2007	35.18	35.12	0.06
	2/11/2008	35.18	33.64	1.54
	5/12/2008	35.18	33.87	1.31
	8/4/2008	35.18	35.17	0.01
	11/14/2008	35.18	34.01	1.17

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
WEX-60 (continued)	3/15/2010	35.18	32.26	2.92
	6/1/2010	35.18	30.29	4.89
	8/30/2010	35.18	34.50	0.68
	11/29/2010	35.18	33.37	1.81
	3/30/2011	35.18	33.80	1.38
	5/31/2011	35.18	33.00	2.18
	9/14/2011	35.18	39.14	-3.96
	12/12/2011	35.18	38.75	-3.57
	7/2/2012	35.18	39.39	-4.21
	9/26/2012	35.18	38.84	-3.66
	12/3/2012	35.18	39.30	-4.12
	3/22/2013	35.18	40.01	-4.83
	6/17/2013	35.18	40.22	-5.04
	9/9/2013	35.18	39.20	-4.02
	12/12/2013	35.18	39.29	-4.11
	3/24/2014	35.18	39.29	-4.11
	6/11/2014	35.18	--	--
	12/17/2014	35.18	NM	--
MW-62	12/5/2001	35.39	24.86	10.53
	4/9/2002	35.39	26.24	9.15
	7/29/2002	35.39	25.97	9.42
	11/26/2002	35.39	27.82	7.57
	3/4/2003	35.39	26.08	9.31
	5/19/2003	35.39	23.73	11.66
	12/9/2003	35.39	26.08	9.31
	3/30/2004	35.39	26.01	9.38
	11/22/2004	35.39	29.96	5.43
	2/11/2005	35.39	29.14	6.25
	5/18/2005	35.39	27.19	8.20
	9/16/2005	35.39	30.80	4.59
	11/8/2005	35.39	28.09	7.30
	1/16/2006	35.39	20.42	14.97
	3/16/2006	35.39	25.59	9.80
	6/2/2006	35.39	23.46	11.93
	8/7/2006	35.39	29.74	5.65
	11/17/2006	35.39	26.75	8.64
	2/15/2007	35.39	28.25	7.14
	5/22/2007	35.39	25.85	9.54
	8/22/2007	35.39	29.30	6.09
	11/6/2007	35.39	30.55	4.84
	2/11/2008	35.39	24.54	10.85
	5/12/2008	35.39	26.25	9.14
	8/4/2008	35.39	28.14	7.25
	11/14/2008	35.39	28.18	7.21
	3/15/2010	35.39	28.06	7.33
	6/1/2010	35.39	25.92	9.47

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-62 (continued)	8/30/2010	35.39	29.03	6.36
	11/29/2010	35.39	27.79	7.60
	3/30/2011	35.39	24.06	11.33
	5/31/2011	35.39	17.80	17.59
	9/14/2011	35.39	28.66	6.73
	12/12/2011	35.39	28.63	6.76
	7/2/2012	35.39	21.60	13.79
	9/26/2012	35.39	28.82	6.57
	12/3/2012	35.39	25.40	9.99
	3/22/2013	35.39	28.32	7.07
	6/17/2013	35.39	26.60	8.79
	9/9/2013	35.39	29.10	6.29
	12/12/2013	35.39	28.78	6.61
	3/24/2014	35.39	28.78	6.61
	6/11/2014	35.39	--	--
	12/17/2014	35.39	NM	--
	6/25/2015	35.39	--	--
MW-70	11/22/2004	35.56	28.00	7.56
	2/11/2005	35.56	26.84	8.72
	5/18/2005	35.56	24.94	10.62
	9/16/2005	35.56	28.92	6.64
	1/16/2006	35.56	19.35	16.21
	2/20/2006	35.56	25.01	10.55
	3/16/2006	35.56	25.31	10.25
	6/2/2006	35.56	20.70	14.86
	8/7/2006	35.56	27.49	8.07
	11/17/2006	35.56	25.07	10.49
	2/15/2007	35.56	26.98	8.58
	5/22/2007	35.56	24.24	11.32
	8/22/2007	35.56	28.33	7.23
	11/6/2007	35.56	29.48	6.08
	2/11/2008	35.56	23.71	11.85
	5/12/2008	35.56	24.67	10.89
	8/4/2008	35.56	26.27	9.29
	11/14/2008	35.56	26.50	9.06
	2/16/2009	35.56	27.15	8.41
	5/27/2009	35.56	24.03	11.53
	8/18/2009	35.56	29.52	6.04
	12/8/2009	35.56	28.55	7.01
	3/15/2010	35.56	27.05	8.51
	6/1/2010	35.56	24.69	10.87
	8/30/2010	35.56	27.39	8.17
	11/29/2010	35.56	28.28	7.28
	3/30/2011	35.56	22.84	12.72
	5/31/2011	35.56	16.65	18.91
	9/14/2011	35.56	27.35	8.21
	12/12/2011	35.56	27.02	8.54
	7/2/2012	35.56	20.06	15.50
	9/26/2012	35.56	28.36	7.20
	12/3/2012	35.56	24.42	11.14
	3/22/2013	35.56	26.61	8.95
	6/17/2013	35.56	25.45	10.11
	9/9/2013	35.56	27.17	8.39
	12/10/2013	35.56	27.80	7.76

Please refer to notes at end of table.

Table B-1
Historical Groundwater Elevations – Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-70 (continued)	3/24/2014	35.56	24.09	11.47
	6/11/2014	35.56	23.68	11.88
	9/19/2014	35.56	28.98	6.58
	12/17/2014	35.56	26.38	9.18
	3/9/2015	34.86	26.10	9.49
	6/25/2015	35.56	28.48	7.08
MW-71	11/22/2004	36.36	26.50	9.86
	2/11/2005	36.36	27.67	8.69
	5/18/2005	36.36	25.72	10.64
	9/16/2005	36.36	29.91	6.45
	11/8/2005	36.36	27.94	8.42
	1/16/2006	36.36	20.19	16.17
	2/20/2006	36.36	26.85	9.51
	3/16/2006	36.36	26.25	10.11
	6/2/2006	36.36	22.12	14.24
	8/7/2006	36.36	28.68	7.68
	11/17/2006	36.36	26.14	10.22
	2/15/2007	36.36	27.91	8.45
	5/22/2007	36.36	25.18	11.18
	8/22/2007	36.36	29.30	7.06
	11/6/2007	36.36	32.43	3.93
	2/11/2008	36.36	23.90	12.46
	5/12/2008	36.36	25.52	10.84
	8/4/2008	36.36	27.73	8.63
	11/14/2008	36.36	27.34	9.02
	2/16/2009	36.36	27.89	8.47
	5/27/2009	36.36	23.35	13.01
	8/18/2009	36.36	29.45	6.91
	12/7/2009	36.36	28.36	8.00
	3/15/2010	36.36	27.96	8.40
	6/1/2010	36.36	25.90	10.46
	8/30/2010	36.36	29.28	7.08
	11/29/2010	36.36	27.93	8.43
	3/30/2011	36.36	23.80	12.56
	5/31/2011	36.36	17.28	19.08
	9/14/2011	36.36	28.36	8.00
	12/12/2011	36.36	28.32	8.04
	7/2/2012	36.36	20.92	15.44
	9/26/2012	36.36	29.19	7.17
	12/3/2012	36.36	24.72	11.64
	3/22/2013	36.36	28.40	7.96
	6/17/2013	36.36	26.63	9.73
	9/9/2013	36.36	29.21	7.15
	12/10/2013	36.36	28.70	7.66
	3/24/2014	36.36	25.09	11.27
	6/11/2014	36.36	24.77	11.59
	9/19/2014	36.36	--	--
	12/17/2014	36.36	NM	--
	3/9/2015	34.86	26.50	9.49
	6/25/2015	36.36	--	--

Notes:

1. Feet MSL = Feet above mean sea level.
2. Feet BTOC = feet below top of casing

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-15	7/22/1991	32.38	23.19	9.19
	4/2/1992	32.38	23.85	8.53
	7/20/1994	32.38	24.09	8.29
	10/25/1994	32.38	25.58	6.80
	2/17/1995	32.38	20.60	11.78
	4/18/1995	32.38	21.37	11.01
	7/25/1995	32.38	22.81	9.57
	10/19/1995	32.38	24.75	7.63
	1/22/1996	32.38	15.41	16.97
	4/23/1996	32.38	15.67	16.71
	8/2/1996	32.38	21.10	11.28
	11/5/1996	32.38	24.21	8.17
	1/23/1997	32.38	16.46	15.92
	4/16/1997	32.38	18.79	13.59
	7/15/1997	32.38	18.45	13.93
	11/3/1997	32.38	22.04	10.34
	2/5/1998	32.38	20.29	12.09
	9/16/1998	32.38	24.41	7.97
	8/18/1999	32.38	21.98	10.40
	12/21/1999	32.38	18.80	13.58
	10/25/2000	32.38	24.83	7.55
	2/9/2001	32.38	24.20	8.18
	5/15/2001	32.38	24.76	7.62
	8/7/2001	32.38	25.64	6.74
	12/5/2001	32.38	22.70	9.68
	4/9/2002	32.38	23.34	9.04
	7/29/2002	32.38	23.10	9.28
	11/26/2002	32.38	25.17	7.21
	3/4/2003	32.38	23.40	8.98
	5/19/2003	32.38	21.09	11.29
	12/9/2003	32.38	23.36	9.02
	3/30/2004	32.38	23.44	8.94
	8/19/2004	32.38	24.37	8.01
	11/22/2004	32.38	24.80	7.58
	2/11/2005	32.38	23.35	9.03
	5/18/2005	32.38	21.68	10.70

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-15 (continued)	9/16/2005	32.38	25.33	7.05
	11/8/2005	32.38	24.18	8.20
	1/10/2006	32.38	19.40	12.98
	3/1/2006	32.38	21.24	11.14
	3/16/2006	32.38	21.68	10.70
	6/2/2006	32.38	17.67	14.71
	11/17/2006	32.38	22.30	10.08
	2/15/2007	32.38	23.38	9.00
	5/22/2007	32.38	20.76	11.62
	8/22/2007	32.38	24.49	7.89
	11/6/2007	32.38	25.50	6.88
	2/11/2008	32.38	22.02	10.36
	5/12/2008	32.38	21.10	11.28
	8/4/2008	32.38	22.97	9.41
	11/14/2008	32.38	23.49	8.89
	2/16/2009	32.38	23.54	8.84
	5/27/2009	32.38	18.50	13.88
	8/18/2009	32.38	24.65	7.73
	12/7/2009	32.38	23.98	8.40
MW-17	7/22/1991	34.87	24.63	10.24
	4/2/1992	34.87	25.73	9.14
	6/12/1992	34.87	25.37	9.50
	7/20/1994	34.87	26.24	8.63
	10/25/1994	34.87	27.69	7.18
	2/17/1995	34.87	23.55	11.32
	4/18/1995	34.87	24.12	10.75
	7/25/1995	34.87	25.11	9.76
	10/19/1995	34.87	26.90	7.97
	1/22/1996	34.87	18.25	16.62
	4/23/1996	34.87	18.80	16.07
	8/2/1996	34.87	23.91	10.96
	11/5/1996	34.87	26.19	8.68
	1/23/1997	34.87	18.60	16.27
	4/16/1997	34.87	21.98	12.89
	7/15/1997	34.87	21.99	12.88

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-17 (continued)	11/3/1997	34.87	24.71	10.16
	2/5/1998	34.87	23.20	11.67
	9/16/1998	34.87	26.27	8.60
	12/30/1998	34.87	21.24	13.63
	5/24/1999	34.87	21.89	12.98
	8/18/1999	34.87	24.51	10.36
	12/21/1999	34.87	21.66	13.21
	4/25/2000	34.87	21.37	13.50
	2/9/2001	34.87	26.52	8.35
	5/15/2001	34.87	26.93	7.94
	8/7/2001	34.87	27.65	7.22
	12/5/2001	34.87	25.47	9.40
	4/9/2002	34.87	25.43	9.44
	7/29/2002	34.87	25.23	9.64
	11/26/2002	34.87	27.10	7.77
	3/4/2003	34.87	25.68	9.19
	5/19/2003	34.87	23.83	11.04
	12/9/2003	34.87	27.95	6.92
	3/30/2004	34.87	25.46	9.41
	8/19/2004	34.87	26.43	8.44
	11/22/2004	34.87	26.97	7.90
	2/11/2005	34.87	25.90	8.97
	5/18/2005	34.87	24.40	10.47
	9/16/2005	34.87	27.35	7.52
	11/8/2005	34.87	26.40	8.47
	1/10/2006	34.87	22.14	12.73
	3/1/2006	34.87	23.45	11.42
	3/16/2006	34.87	23.68	11.19
	6/2/2006	34.87	20.00	14.87
	8/7/2006	34.87	25.35	9.52
	11/17/2006	34.87	24.74	10.13
	2/15/2007	34.87	25.16	9.71
	5/22/2007	34.87	23.55	11.32
	8/22/2007	34.87	26.36	8.51
	11/6/2007	34.87	27.43	7.44
	2/11/2008	34.87	24.64	10.23

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-17 (continued)	5/12/2008	34.87	23.83	11.04
	8/4/2008	34.87	25.03	9.84
	11/14/2008	34.87	25.79	9.08
	2/16/2009	34.87	25.69	9.18
	5/27/2009	34.87	21.92	12.95
	8/18/2009	34.87	26.51	8.36
	12/7/2009	34.87	26.26	8.61
	3/15/2010	34.87	25.76	9.11
	6/1/2010	34.87	24.05	10.82
	8/30/2010	34.87	26.10	8.77
	11/29/2010	34.87	25.44	9.43
	3/30/2011	34.87	22.69	12.18
	5/31/2011	34.87	16.49	18.38
	9/14/2011	34.87	27.18	7.69
	12/12/2011	34.87	25.86	9.01
	7/2/2012	34.87	20.28	14.59
	9/26/2012	34.87	26.31	8.56
	12/3/2012	34.87	23.70	11.17
	6/17/2013	34.87	24.44	10.43
	12/10/2013	34.87	25.96	8.91
	6/11/2014	34.87	22.94	11.93
	12/17/2014	34.87	25.16	9.71
MW-23	7/22/1991	35.99	26.90	9.09
	4/2/1992	35.99	27.57	8.42
	6/12/1992	35.99	26.56	9.43
	7/20/1994	35.99	27.65	8.34
	10/25/1994	35.99	29.10	6.89
	2/17/1995	35.99	23.88	12.11
	4/18/1995	35.99	24.71	11.28
	7/25/1995	35.99	26.68	9.31
	10/19/1995	35.99	27.32	8.67
	1/22/1996	35.99	11.20	24.79
	4/23/1996	35.99	19.35	16.64
	8/2/1996	35.99	25.10	10.89
	11/5/1996	35.99	27.99	8.00
	1/23/1997	35.99	19.34	16.65
	4/16/1997	35.99	22.65	13.34
	7/15/1997	35.99	22.74	13.25
	11/3/1997	35.99	25.52	10.47
	2/5/1998	35.99	22.95	13.04
	9/16/1998	35.99	27.99	8.00
	12/30/1998	35.99	20.74	15.25
	5/24/1999	35.99	22.47	13.52

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-23 (continued)	8/18/1999	35.99	26.82	9.17
	12/21/1999	35.99	21.81	14.18
	7/29/2002	35.99	26.60	9.39
	11/26/2002	35.99	28.30	7.69
	3/4/2003	35.99	26.39	9.60
	5/19/2003	35.99	24.14	11.85
	12/9/2003	35.99	26.35	9.64
	3/30/2004	35.99	26.37	9.62
	8/19/2004	35.99	27.69	8.30
	11/22/2004	35.99	28.16	7.83
	2/11/2005	35.99	26.65	9.34
	5/18/2005	35.99	24.74	11.25
	9/16/2005	35.99	14.36	21.63
	11/8/2005	35.99	26.85	9.14
	1/10/2006	35.99	12.02	23.97
	3/16/2006	35.99	25.01	10.98
	6/2/2006	35.99	21.54	14.45
	8/7/2006	35.99	27.34	8.65
	11/17/2006	35.99	24.97	11.02
	2/15/2007	35.99	26.79	9.20
	2/16/2009	35.99	26.92	9.07
	8/18/2009	35.99	28.41	7.58
	3/15/2010	35.99	26.86	9.13
	6/1/2010	35.99	24.89	11.10
	8/30/2010	35.99	28.03	7.96
	11/29/2010	35.99	26.54	9.45
	3/30/2011	35.99	22.3	13.69
	5/31/2011	35.99	14.65	21.34
	9/14/2011	35.99	27.12	8.87
	12/12/2011	35.99	27.09	8.90
	7/2/2012	35.99	19.94	16.05
	9/26/2012	35.99	--	--
	12/3/2012	35.99	23.32	12.67
	6/17/2013	35.99	25.17	10.82
	12/10/2013	35.99	27.25	8.74
	6/11/2014	35.99	23.31	12.68
	12/17/2014	35.99	NM	--
MW-24	7/22/1991	32.23	12.65	19.58
	4/2/1992	32.23	12.79	19.44
	6/12/1992	32.23	13.22	19.01
	7/20/1994	32.23	13.81	18.42
	10/25/1994	32.23	14.75	17.48

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-24	2/17/1995	32.23	12.05	20.18
(continued)	4/18/1995	32.23	11.51	20.72
	7/25/1995	32.23	12.44	19.79
	10/19/1995	32.23	13.26	18.97
	4/23/1996	32.23	9.38	22.85
	8/2/1996	32.23	11.21	21.02
	11/5/1996	32.23	12.93	19.30
	1/23/1997	32.23	8.36	23.87
	4/16/1997	32.23	9.68	22.55
	7/15/1997	32.23	10.52	21.71
	11/3/1997	32.23	12.61	19.62
	2/5/1998	32.23	11.45	20.78
	9/16/1998	32.23	13.25	18.98
	12/30/1998	32.23	11.63	20.60
	5/24/1999	32.23	10.48	21.75
	8/18/1999	32.23	12.14	20.09
	12/21/1999	32.23	12.24	19.99
	4/25/2000	32.23	11.60	20.63
	10/25/2000	32.23	14.20	18.03
	2/9/2001	32.23	14.01	18.22
	5/15/2001	32.23	14.21	18.02
	8/7/2001	32.23	14.75	17.48
	12/5/2001	32.23	14.32	17.91
	4/9/2002	32.23	11.92	20.31
	7/29/2002	32.23	12.83	19.40
	11/26/2002	32.23	14.45	17.78
	3/4/2003	32.23	12.63	19.60
	5/19/2003	32.23	12.11	20.12
	12/9/2003	32.23	13.84	18.39
	3/30/2004	32.23	12.24	19.99
	8/19/2004	32.23	13.86	18.37
	11/22/2004	32.23	14.20	18.03
	2/11/2005	32.23	13.74	18.49
	5/18/2005	32.23	13.20	19.03
	3/16/2006	32.23	10.98	21.25
	6/2/2006	32.23	10.84	21.39

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-24 (continued)	8/7/2006	32.23	12.85	19.38
	11/17/2006	32.23	13.16	19.07
	2/15/2007	32.23	12.06	20.17
	5/22/2007	32.23	11.65	20.58
	8/22/2007	32.23	13.43	18.80
	11/6/2007	32.23	14.04	18.19
	2/11/2008	32.23	12.22	20.01
	5/12/2008	32.23	12.03	20.20
	8/4/2008	32.23	12.56	19.67
	11/14/2008	32.23	13.82	18.41
	2/16/2009	32.23	13.02	19.21
	8/18/2009	32.23	13.20	19.03
	12/7/2009	32.23	13.60	18.63
	3/15/2010	32.23	13.02	19.21
	6/1/2010	32.23	11.88	20.35
	8/30/2010	32.23	12.59	19.64
	11/29/2010	32.23	12.36	19.87
	3/30/2011	32.23	9.96	22.27
	5/31/2011	32.23	8.65	23.58
	9/14/2011	32.23	12.19	20.04
	12/12/2011	32.23	12.51	19.72
	7/2/2013	32.23	9.82	22.41
	9/26/2012	32.23	12.70	19.53
	12/3/2012	32.23	11.79	20.44
MW-31	4/2/1992	35.04	25.20	9.84
	6/12/1992	35.04	25.03	10.01
	7/20/1994	35.04	26.04	9.00
	2/17/1995	35.04	23.38	11.66
	4/18/1995	35.04	23.80	11.24
	7/25/1995	35.04	24.70	10.34
	10/19/1995	35.04	26.50	8.54
	1/22/1996	35.04	18.29	16.75
	4/23/1996	35.04	18.60	16.44
	8/2/1996	35.04	23.43	11.61
	11/5/1996	35.04	25.80	9.24
	1/23/1997	35.04	18.67	16.37
	4/16/1997	35.04	21.63	13.41
	7/15/1997	35.04	21.65	13.39
	11/3/1997	35.04	24.46	10.58

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-31	2/5/1998	35.04	23.00	12.04
(continued)	9/16/1998	35.04	25.89	9.15
	12/30/1998	35.04	21.64	13.40
	5/24/1999	35.04	21.73	13.31
	8/18/1999	35.04	24.17	10.87
	12/21/1999	35.04	21.92	13.12
	4/25/2000	35.04	21.29	13.75
	2/9/2001	35.04	26.71	8.33
	5/15/2001	35.04	26.78	8.26
	8/7/2001	35.04	27.78	7.26
	12/5/2001	35.04	25.26	9.78
	4/9/2002	35.04	25.11	9.93
	7/29/2002	35.04	24.90	10.14
	11/26/2002	35.04	26.89	8.15
	3/4/2003	35.04	25.50	9.54
	12/9/2003	35.04	25.82	9.22
	3/30/2004	35.04	25.13	9.91
	8/19/2004	35.04	26.20	8.84
	11/22/2004	35.04	26.76	8.28
	2/11/2005	35.04	27.80	7.24
	5/18/2005	35.04	24.49	10.55
	9/16/2005	35.04	27.03	8.01
	11/8/2005	35.04	26.35	8.69
	3/1/2006	35.04	23.20	11.84
	3/16/2006	35.04	23.36	11.68
	6/2/2006	35.04	19.93	15.11
	8/7/2006	35.04	24.91	10.13
	2/15/2007	35.04	24.77	10.27
	5/22/2007	35.04	23.29	11.75
	8/22/2007	35.04	26.00	9.04
	11/6/2007	35.04	27.10	7.94
	2/11/2008	35.04	24.46	10.58
	5/12/2008	35.04	23.61	11.43
	8/4/2008	35.04	24.62	10.42
	11/14/2008	35.04	25.77	9.27
	2/16/2009	35.04	25.32	9.72

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-31 (continued)	5/27/2009	35.04	21.94	13.10
	8/18/2009	35.04	26.10	8.94
	12/7/2009	35.04	26.00	9.04
MW-35	1/23/1997	31.18	14.46	16.72
	4/16/1997	31.18	17.84	13.34
	7/15/1997	31.18	17.41	13.77
	11/3/1997	31.18	19.06	12.12
	2/5/1998	31.18	17.41	13.77
	9/16/1998	31.18	21.42	9.76
	12/30/1998	31.18	16.25	14.93
	5/24/1999	31.18	16.21	14.97
	8/18/1999	31.18	19.25	11.93
	12/21/1999	31.18	16.75	14.43
	4/25/2000	31.18	16.95	14.23
	10/25/2000	31.18	21.86	9.32
	2/9/2001	31.18	21.49	9.69
	5/15/2001	31.18	21.76	9.42
	8/7/2001	31.18	22.75	8.43
	12/5/2001	31.18	21.29	9.89
	4/9/2002	31.18	20.33	10.85
	7/29/2002	31.18	19.92	11.26
	11/26/2002	31.18	22.05	9.13
	3/4/2003	31.18	20.28	10.90
	5/19/2003	31.18	18.55	12.63
	12/9/2003	31.18	21.14	10.04
	3/30/2004	31.18	20.30	10.88
	8/19/2004	31.18	21.46	9.72
	11/22/2004	31.18	21.83	9.35
	2/11/2005	31.18	20.82	10.36
	5/18/2005	31.18	19.49	11.69
	9/16/2005	31.18	22.24	8.94
	11/8/2005	31.18	21.71	9.47
	3/16/2006	31.18	18.44	12.74
	6/2/2006	31.18	14.76	16.42
	8/7/2006	31.18	20.44	10.74
	11/17/2006	31.18	21.10	10.08

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-35 (continued)	2/15/2007	31.18	20.00	11.18
	5/22/2007	31.18	17.97	13.21
	8/22/2007	31.18	21.24	9.94
	11/6/2007	31.18	22.33	8.85
	2/11/2008	31.18	18.89	12.29
	5/12/2008	31.18	18.41	12.77
	8/4/2008	31.18	19.88	11.30
	11/14/2008	31.18	21.30	9.88
	2/16/2009	31.18	20.19	10.99
	5/27/2009	31.18	16.62	14.56
	8/18/2009	31.18	21.40	9.78
	12/7/2009	31.18	21.30	9.88
	3/15/2010	31.18	20.46	10.72
	6/1/2010	31.18	18.71	12.47
	8/30/2010	31.18	21.16	10.02
	11/29/2010	31.18	20.75	10.43
	3/30/2011	31.18	17.59	13.59
	5/31/2011	31.18	10.71	20.47
	9/14/2011	31.18	20.86	10.32
	12/12/2011	31.18	21.10	10.08
	7/2/2012	31.18	15.37	15.81
	9/26/2012	31.18	20.52	10.66
	12/4/2012	31.18	20.09	11.09
MW-66	9/16/2005	34.47	25.63	8.84
	11/8/2005	34.47	25.14	9.33
	3/1/2006	34.47	23.00	11.47
	3/16/2006	34.47	23.87	10.60
	6/2/2006	34.47	20.61	13.86
	8/7/2006	34.47	26.27	8.20
	11/17/2006	34.47	24.95	9.52
	2/15/2007	34.47	29.11	5.36
	5/22/2007	34.47	23.19	11.28
	8/22/2007	34.47	27.21	7.26
	11/6/2007	34.47	28.46	6.01
	2/11/2008	34.47	24.53	9.94
	5/12/2008	34.47	24.23	10.24
	8/4/2008	34.47	24.82	9.65
	11/14/2008	34.47	25.98	8.49
	2/16/2009	34.47	26.22	8.25

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-66 (continued)	5/27/2009	34.47	22.41	12.06
	8/18/2009	34.47	27.43	7.04
	12/7/2009	34.47	26.74	7.73
	3/15/2010	34.47	26.40	8.07
	6/1/2010	34.47	24.28	10.19
	8/30/2010	34.47	27.28	7.19
	11/29/2010	34.47	26.31	8.16
	3/30/2011	34.47	21.76	12.71
	5/31/2011	34.47	18.16	16.31
	9/14/2011	34.47	26.09	8.38
	12/12/2011	34.47	26.50	7.97
	7/2/2012	34.47	19.13	15.34
	9/28/2012	34.47	27.02	7.45
	12/3/2012	34.47	24.51	9.96
	6/17/2013	34.47	23.90	10.57
	12/10/2013	34.47	26.44	8.03
	611/2014	34.47	21.35	13.12
	12/17/2014	34.47	25.10	9.37
MW-81	8/22/2007	32.63	24.57	8.06
	11/6/2007	32.63	25.59	7.04
	2/11/2008	32.63	22.48	10.15
	5/12/2008	32.63	21.65	10.98
	8/4/2008	32.63	23.10	9.53
	11/14/2008	32.63	23.83	8.80
	2/16/2009	32.63	23.66	8.97
	5/27/2009	32.63	22.50	10.13
	8/18/2009	32.63	24.85	7.78
	12/7/2009	32.63	24.23	8.40
	3/15/2010	32.63	24.31	8.32
	6/1/2010	32.63	21.80	10.83
	8/30/2010	32.63	25.03	7.60
	11/29/2010	32.63	24.14	8.49
	3/30/2011	32.63	20.05	12.58
	5/31/2011	32.63	13.46	19.17
	9/14/2011	32.63	23.95	8.68
	12/12/2011	32.63	24.06	8.57
	7/2/2012	32.63	16.54	16.09
	9/26/2012	32.63	24.52	8.11
	12/3/2012	32.63	21.29	11.34
	6/17/2013	32.63	21.86	10.77
	12/10/2013	32.63	23.86	8.77
	6/11/2014	32.63	19.81	12.82
	12/17/2014	32.63	22.69	9.94

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
FM48-11	2/9/2001	31.4	11.12	20.28
	5/15/2001	31.4	11.38	20.02
	8/7/2001	31.4	11.84	19.56
	12/5/2001	31.4	10.87	20.53
	4/9/2002	31.4	8.70	22.70
	7/29/2002	31.4	10.01	21.39
	11/26/2002	31.4	11.72	19.68
	3/4/2003	31.4	9.31	22.09
	5/19/2003	31.4	8.53	22.87
	12/9/2003	31.4	10.71	20.69
	3/30/2004	31.4	8.85	22.55
	8/19/2004	31.4	10.98	20.42
	11/22/2004	31.4	11.32	20.08
	2/11/2005	31.4	10.91	20.49
	5/18/2005	31.4	10.36	21.04
	9/16/2005	31.4	11.44	19.96
	1/10/2006	31.4	8.76	22.64
	6/2/2006	31.4	8.24	23.16
	8/7/2006	31.4	9.57	21.83
	11/17/2006	31.4	9.48	21.92
	5/22/2007	31.4	8.4	23.00
	8/22/2007	31.4	10.14	21.26
	11/6/2007	31.4	10.91	20.49
	2/11/2008	31.4	7.54	23.86
	5/12/2008	31.4	8.3	23.10
	8/4/2008	31.4	9.29	22.11
	11/14/2008	31.4	10.45	20.95
	2/16/2009	31.4	9.23	22.17
	8/18/2009	31.4	10.3	21.10
	12/7/2009	31.4	10.4	21.00
	3/15/2010	31.4	8.87	22.53
	6/1/2010	31.4	8.6	22.80
	9/14/2011	31.4	8.66	22.74
	12/12/2011	31.4	8.99	22.41
	7/2/2012	31.40	7.03	24.37
	9/28/2012	31.40	9.29	22.11
	12/3/2012	31.40	8.12	23.28
FM48-13	2/9/2001	34.83	21.98	12.85
	5/15/2001	34.83	22.28	12.55
	8/7/2001	34.83	23.16	11.67
	12/5/2001	34.83	20.58	14.25
	4/9/2002	34.83	18.87	15.96
	7/29/2002	34.83	20.37	14.46
	11/26/2002	34.83	23.01	11.82
	3/4/2003	34.83	19.46	15.37
	5/19/2003	34.83	18.24	16.59

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
FM48-13 (continued)	12/9/2003	34.83	21.54	13.29
	3/30/2004	34.83	19.16	15.67
	8/19/2004	34.83	22.07	12.76
	11/22/2004	34.83	22.54	12.29
	2/11/2005	34.83	21.39	13.44
	5/18/2005	34.83	19.88	14.95
	9/16/2005	34.83	22.50	12.33
	1/10/2006	34.83	17.00	17.83
	3/16/2006	34.83	18.71	16.12
	11/17/2006	34.83	19.60	15.23
	2/15/2007	34.83	19.04	15.79
	8/22/2007	34.83	21.34	13.49
	8/18/2009	34.83	22.3	12.53
	6/1/2010	34.83	19.05	15.78
	8/30/2010	34.83	20.88	13.95
	11/29/2010	34.83	19.65	15.18
	3/30/2011	34.83	16.59	18.24
	5/31/2011	34.83	14.92	19.91
	9/14/2011	34.83	19.91	14.92
	12/12/2011	34.83	20.58	14.25
	7/2/2012	34.84	16.91	17.93
	9/26/2012	34.84	--	–
	12/3/2012	34.84	18.15	16.69
SMW-11	5/15/2002	34.73	24.61	10.12
	8/7/2002	34.73	25.07	9.66
	11/26/2002	34.73	27.75	6.98
	3/4/2003	34.73	26.14	8.59
	5/19/2003	34.73	23.89	10.84
	12/9/2003	34.73	26.59	8.14
	8/19/2004	34.73	27.22	7.51
	10/28/2004	34.73	27.20	7.53
	11/22/2004	34.73	27.69	7.04
	1/21/2005	34.73	26.78	7.95
	2/11/2005	34.73	26.38	8.35
	4/21/2005	34.73	26.83	7.90
	5/18/2005	34.73	24.98	9.75
	7/19/2005	34.73	26.24	8.49
	9/16/2005	34.73	28.18	6.55
	10/25/2005	34.73	28.11	6.62

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
SMW-11 (continued)	11/8/2005	34.73	27.17	7.56
	3/16/2006	34.73	24.39	10.34
	6/2/2006	34.73	20.34	14.39
	8/7/2006	34.73	26.09	8.64
	11/17/2006	34.73	25.59	9.14
	2/15/2007	34.73	25.86	8.87
	5/22/2007	34.73	23.47	11.26
	8/22/2007	34.73	27.02	7.71
	11/6/2007	34.73	28.66	6.07
	2/11/2008	34.73	24.85	9.88
	5/12/2008	34.73	24.67	10.06
	8/4/2008	34.73	25.20	9.53
	11/14/2008	34.73	26.98	7.75
	2/16/2009	34.73	26.19	8.54
	5/27/2009	34.73	22.75	11.98
	8/18/2009	34.73	27.40	7.33
	12/7/2009	34.73	27.02	7.71
	3/15/2010	34.73	26.58	8.15
	6/1/2010	34.73	24.68	10.05
	8/30/2010	34.73	27.18	7.55
	11/29/2010	34.73	26.62	8.11
	3/30/2011	34.73	22.28	12.45
	5/31/2011	34.73	16.64	18.09
	9/14/2011	34.73	26.06	8.67
	12/12/2011	34.73	26.81	7.92
	7/2/2012	34.73	19.50	15.23
	9/26/2012	34.73	26.92	7.81
	12/3/2012	34.73	24.54	10.19
	6/17/2013	34.73	24.04	10.69
	12/10/2013	34.73	26.81	7.92
	6/11/2014	34.73	22.02	12.71
	12/17/2014	34.73	25.53	9.20
SMW-12	5/15/2002	32.86	22.80	10.06
	9/16/2002	32.86	25.64	7.22
	11/26/2002	32.86	25.61	7.25
	5/19/2003	32.86	21.72	11.14
	12/9/2003	32.86	23.93	8.93
	3/30/2004	32.86	23.80	9.06
	8/19/2004	32.86	25.07	7.79
	10/28/2004	32.86	24.76	8.10
	11/22/2004	32.86	25.74	7.12
	1/21/2005	32.86	24.11	8.75
	2/11/2005	32.86	24.05	8.81

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
SMW-12 (continued)	4/21/2005	32.86	24.65	8.21
	5/18/2005	32.86	22.26	10.60
	7/19/2005	32.86	24.43	8.43
	9/16/2005	32.86	26.15	6.71
	10/25/2005	32.86	25.93	6.93
	11/8/2005	32.86	24.54	8.32
	3/1/2006	32.86	22.26	10.60
	3/16/2006	32.86	22.54	10.32
	6/2/2006	32.86	18.58	14.28
	8/7/2006	32.86	24.67	8.19
	11/17/2006	32.86	22.72	10.14
	2/15/2007	32.86	24.26	8.60
	5/22/2007	32.86	21.52	11.34
	8/22/2007	32.86	25.48	7.38
	11/6/2007	32.86	26.68	6.18
	2/11/2008	32.86	22.54	10.32
	5/12/2008	32.86	22.24	10.62
	8/4/2008	32.86	23.72	9.14
	11/14/2008	32.86	23.98	8.88
	2/16/2009	32.86	24.29	8.57
	5/27/2009	32.86	20.00	12.86
	8/18/2009	32.86	25.83	7.03
	12/7/2009	32.86	24.80	8.06
	3/15/2010	32.86	24.53	8.33
	6/1/2010	32.86	22.44	10.42
	8/30/2010	32.86	25.64	7.22
	11/29/2010	32.86	24.11	8.75
	3/30/2011	32.86	20.25	12.61
	5/31/2011	32.86	14.02	18.84
	9/14/2011	32.86	24.74	8.12
	12/12/2011	32.86	24.68	8.18
	7/2/2012	32.86	17.46	15.40
	9/26/2012	32.86	--	--
	12/3/2012	32.86	21.26	11.60
	6/17/2013	32.86	22.73	10.13
	12/10/2013	32.86	24.63	8.23
	6/11/2014	32.86	20.69	12.17
	12/17/2014	32.86	23.34	9.52
SMW-18	5/15/2002	33.78	24.37	9.41
	8/7/2002	33.78	26.18	7.60
	9/16/2002	33.78	27.97	5.81
	11/26/2002	33.78	27.10	6.68
	3/4/2003	33.78	26.08	7.70

Please refer to notes at end of table.

Table B-2
Historical Groundwater Elevations – Area 2
Gunderson LLC
Portland, OR

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
SMW-18 (continued)	5/19/2003	33.78	23.25	10.53
	12/9/2003	33.78	25.36	8.42
	3/30/2004	33.78	25.57	8.21
	8/19/2004	33.78	26.50	7.28
	10/28/2004	33.78	26.03	7.75
	11/22/2004	33.78	27.25	6.53
	1/21/2005	33.78	25.76	8.02
	4/21/2005	33.78	26.30	7.48
	5/18/2005	33.78	23.42	10.36
	7/19/2005	33.78	26.18	7.60
	9/16/2005	33.78	27.97	5.81
	10/25/2005	33.78	27.38	6.40
	11/8/2005	33.78	26.17	7.61
	1/10/2006	33.78	20.89	12.89
	3/1/2006	33.78	24.00	9.78
	6/2/2006	33.78	20.22	13.56
	8/7/2006	33.78	26.54	7.24
	11/17/2006	33.78	24.49	9.29
	2/15/2007	33.78	26.14	7.64
	5/22/2007	33.78	23.01	10.77
	8/22/2007	33.78	27.48	6.30
	11/6/2007	33.78	28.27	5.51
	2/11/2008	33.78	24.54	9.24
	5/12/2008	33.78	23.69	10.09
	8/4/2008	33.78	25.32	8.46
	2/16/2009	33.78	25.82	7.96
	5/27/2009	33.78	20.75	13.03
	8/18/2009	33.78	27.6	6.18
	12/7/2009	33.78	26.49	7.29
	6/1/2010	33.78	23.93	9.85
	8/30/2010	33.78	27.56	6.22
	11/29/2010	33.78	25.97	7.81
	3/30/2011	33.78	22.31	11.47
	5/31/2011	33.78	14.51	19.27
	9/14/2011	33.78	26.88	6.90
	12/12/2011	33.78	26.44	7.34

Notes:

1. Feet MSL = Feet above mean sea level.
2. Feet BTOC = feet below top of casing
3. -- = Well not accessbile.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
CP-111	7/22/1991	32.79	27.11	5.68
	4/2/1992	32.79	26.94	5.85
	7/20/1994	32.79	26.05	6.74
	10/25/1994	32.79	26.7	6.09
	4/18/1995	32.79	22.68	10.11
	7/25/1995	32.79	25.61	7.18
	10/19/1995	32.79	27	5.79
	1/22/1996	32.79	15.12	17.67
	4/23/1996	32.79	17.8	14.99
	8/2/1996	32.79	24.51	8.28
	11/5/1996	32.79	27.9	4.89
	1/23/1997	32.79	20.47	12.32
	4/16/1997	32.79	22.21	10.58
	7/15/1997	32.79	21.65	11.14
	11/3/1997	32.79	24.51	8.28
	2/5/1998	32.79	22.8	9.99
	9/16/1998	32.79	28.15	4.64
	12/30/1998	32.79	20.22	12.57
	5/24/1999	32.79	21.8	10.99
	8/18/1999	32.79	24.73	8.06
	12/21/1999	32.79	20.2	12.59
	4/25/2000	32.79	19.33	13.46
	10/25/2000	32.79	28.57	4.22
	2/9/2001	32.79	26.37	6.42
	5/15/2001	32.79	26.66	6.13
	8/7/2001	32.79	26.73	6.06
	12/5/2001	32.79	22.5	10.29
	4/9/2002	32.79	25.7	7.09
	7/29/2002	32.79	26.96	5.83
	11/26/2002	32.79	26.56	6.23
	3/4/2003	32.79	26.46	6.33
	5/19/2003	32.79	23.08	9.71
	12/9/2003	32.79	24.87	7.92
	3/30/2004	32.79	25.32	7.47
	8/19/2004	32.79	25.68	7.11
	2/11/2005	32.79	25.33	7.46

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
CP-111 (continued)	5/18/2005	32.79	21.61	11.18
	9/16/2005	32.79	28	4.79
	11/8/2005	32.79	25.4	7.39
	1/10/2006	32.79	18.4	14.39
	3/16/2006	32.79	24.64	8.15
	6/2/2006	32.79	21.41	11.38
	8/7/2006	32.79	27.45	5.34
	11/17/2006	32.79	24.2	8.59
	2/15/2007	32.79	26.56	6.23
	5/22/2007	32.79	22.42	10.37
	8/22/2007	32.79	28.35	4.44
	11/6/2007	32.79	28.97	3.82
	2/11/2008	32.79	24.53	8.26
	5/12/2008	32.79	22.99	9.8
	8/4/2008	32.79	25.54	7.25
	11/14/2008	32.79	23.55	9.24
	2/16/2009	32.79	24.64	8.15
	8/18/2009	32.79	29.57	3.22
	12/7/2009	32.79	28.15	4.64
	3/15/2010	32.79	27.09	5.7
	6/1/2010	32.79	23.86	8.93
	8/30/2010	32.79	28.86	3.93
	11/29/2010	32.79	26.6	6.19
	3/30/2011	32.79	22.65	10.14
	5/31/2011	32.79	14.2	18.59
	9/14/2011	32.79	27.86	4.93
	12/12/2011	32.79	27.43	5.36
MW-10	7/22/1991	34.71	8.81	25.9
	4/2/1992	34.71	8.82	25.89
	10/19/1995	34.71	9.95	24.76
	1/22/1996	34.71	7.11	27.6
	4/23/1996	34.71	6.98	27.73
	8/2/1996	34.71	8.83	25.88
	11/5/1996	34.71	8.77	25.94
	1/23/1997	34.71	6.42	28.29
	4/16/1997	34.71	7.55	27.16

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-10 (continued)	7/15/1997	34.71	8.87	25.84
	11/3/1997	34.71	8.75	25.96
	2/5/1998	34.71	7.26	27.45
	9/16/1998	34.71	9.71	25
	12/30/1998	34.71	7.33	27.38
	4/6/1999	34.71	7.11	27.6
	5/24/1999	34.71	8.01	26.7
	8/18/1999	34.71	9.40	25.31
	12/21/1999	34.71	7.68	27.03
	4/25/2000	34.71	8.02	26.69
	10/25/2000	34.71	9.98	24.73
	2/9/2001	34.71	8.76	25.95
	5/15/2001	34.71	8.99	25.72
	8/7/2001	34.71	10.02	24.69
	12/5/2001	34.71	6.83	27.88
	4/9/2002	34.71	8.04	26.67
	7/29/2002	34.71	9.44	25.27
	11/26/2002	34.71	10.54	24.17
	3/4/2003	34.71	7.95	26.76
	5/19/2003	34.71	8.01	26.7
	12/9/2003	34.71	9.10	25.61
	3/30/2004	34.71	7.92	26.79
	8/19/2004	34.71	10.02	24.69
	10/27/2004	34.71	11.88	22.83
	11/22/2004	34.71	9.40	25.31
	1/19/2005	34.71	13.54	21.17
	2/11/2005	34.71	8.17	26.54
	4/21/2005	34.71	10.23	24.48
	5/18/2005	34.71	7.68	27.03
	7/19/2005	34.71	11.49	23.22
	9/16/2005	34.71	9.97	24.74
	10/25/2005	34.71	11.40	23.31
	11/8/2005	34.71	9.52	25.19
	1/10/2006	34.71	7.16	27.55
	3/1/2006	34.71	7.92	26.79
	3/16/2006	34.71	7.35	27.36

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-10 (continued)	6/2/2006	34.71	7.84	26.87
	8/7/2006	34.71	9.19	25.52
	11/17/2006	34.71	8.73	25.98
	2/15/2007	34.71	7.87	26.84
	5/22/2007	34.71	8.33	26.38
	8/22/2007	34.71	9.66	25.05
	11/6/2007	34.71	9.51	25.2
	2/11/2008	34.71	6.79	27.92
	5/12/2008	34.71	8.21	26.5
	8/4/2008	34.71	9.29	25.42
	11/14/2008	34.71	9.96	24.75
	2/16/2009	34.71	8.59	26.12
	5/27/2009	34.71	8.45	26.26
	8/18/2009	34.71	9.50	25.21
	12/7/2009	34.71	10.00	24.71
	3/15/2010	34.71	8.27	26.44
	6/1/2010	34.71	8.33	26.38
	8/30/2010	34.71	8.98	25.73
	11/29/2010	34.71	8.97	25.74
	3/30/2011	34.71	7.68	27.03
	5/31/2011	34.71	7.95	26.76
	9/14/2011	34.71	9.27	25.44
	12/12/2011	34.71	9.42	25.29
	7/2/2012	34.71	8.17	26.54
	9/26/2012	34.71	9.38	25.33
	12/3/2012	34.71	8.79	25.92
	6/17/2013	34.71	8.48	26.23
	12/10/2013	34.71	9.14	25.57
	6/11/2014	34.71	8.27	26.44
	12/17/2014	34.71	8.53	26.18
MW-11	7/22/1991	35.98	13.59	22.39
	4/2/1992	35.98	13.63	22.35
	7/20/1994	35.98	15.70	20.28
	10/25/1994	35.98	17.78	18.2
	2/17/1995	35.98	11.13	24.85
	4/18/1995	35.98	9.48	26.5
	7/25/1995	35.98	12.72	23.26
	10/19/1995	35.98	15.28	20.7
	4/23/1996	35.98	7.95	28.03
	8/2/1996	35.98	11.39	24.59
	11/5/1996	35.98	13.71	22.27
	1/23/1997	35.98	6.76	29.22
	4/16/1997	35.98	8.68	27.3

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-11 (continued)	7/15/1997	35.98	10.39	25.59
	11/3/1997	35.98	12.91	23.07
	2/5/1998	35.98	9.47	26.51
	9/16/1998	35.98	14.27	21.71
	12/30/1998	35.98	9.01	26.97
	4/6/1999	35.98	8.20	27.78
	5/24/1999	35.98	9.98	26
	8/18/1999	35.98	12.85	23.13
	12/21/1999	35.98	11.95	24.03
	4/25/2000	35.98	11.13	24.85
	10/25/2000	35.98	15.39	20.59
	2/9/2001	35.98	15.49	20.49
	5/15/2001	35.98	15.93	20.05
	8/7/2001	35.98	17.08	18.9
	12/5/2001	35.98	16.67	19.31
	4/9/2002	35.98	11.76	24.22
	7/29/2002	35.98	14.02	21.96
	11/26/2002	35.98	17.06	18.92
	3/4/2003	35.98	12.49	23.49
	5/19/2003	35.98	11.66	24.32
	12/9/2003	35.98	15.42	20.56
	3/30/2004	35.98	12.02	23.96
	8/19/2004	35.98	15.32	20.66
	10/27/2004	35.98	11.83	24.15
	11/22/2004	35.98	16.31	19.67
	1/19/2005	35.98	11.53	24.45
	2/11/2005	35.98	15.43	20.55
	4/21/2005	35.98	11.26	24.72
	5/18/2005	35.98	14.53	21.45
	7/19/2005	35.98	11.48	24.5
	9/16/2005	35.98	16.07	19.91
	10/25/2005	35.98	9.12	26.86
	11/8/2005	35.98	16.14	19.84
	1/10/2006	35.98	11.51	24.47
	3/1/2006	35.98	9.29	26.69
	3/16/2006	35.98	8.51	27.47

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-11 (continued)	6/2/2006	35.98	10.50	25.48
	8/7/2006	35.98	12.78	23.2
	11/17/2006	35.98	12.27	23.71
	2/15/2007	35.98	10.62	25.36
	5/22/2007	35.98	10.83	25.15
	8/22/2007	35.98	13.27	22.71
	11/6/2007	35.98	14.14	21.84
	2/11/2008	35.98	8.12	27.86
	5/12/2008	35.98	10.71	25.27
	8/4/2008	35.98	12.39	23.59
	11/14/2008	35.98	13.46	22.52
	2/16/2009	35.98	11.68	24.3
	5/27/2009	35.98	11.51	24.47
	8/18/2009	35.98	13.75	22.23
	12/7/2009	35.98	13.76	22.22
	3/15/2010	35.98	10.83	25.15
	6/1/2010	35.98	10.71	25.27
	8/30/2010	35.98	11.60	24.38
	11/29/2010	35.98	9.13	26.85
	3/30/2011	35.98	7.02	28.96
	5/31/2011	35.98	8.44	27.54
	9/14/2011	35.98	10.89	25.09
	12/12/2011	35.98	9.83	26.15
	7/2/2012	35.98	8.93	27.05
	9/26/2012	35.98	11.29	24.69
	12/3/2012	35.98	7.84	28.14
	6/17/2013	35.98	9.38	26.60
	12/10/2013	35.98	11.23	24.75
	6/11/2014	35.98	9.32	26.66
	12/17/2014	35.98	10.16	25.82
MW-14	7/22/1991	33.51	24.45	9.06
	4/2/1992	33.51	25.21	8.3
	7/20/1994	33.51	25.89	7.62
	10/25/1994	33.51	27.18	6.33
	2/17/1995	33.51	22.27	11.24
	4/18/1995	33.51	23.51	10
	7/25/1995	33.51	23.00	10.51
	1/22/1996	33.51	17.10	16.41
	4/23/1996	33.51	17.22	16.29
	8/2/1996	33.51	20.92	12.59
	11/5/1996	33.51	21.60	11.91
	1/23/1997	33.51	16.97	16.54
	4/16/1997	33.51	19.64	13.87

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-14 (continued)	7/15/1997	33.51	19.91	13.6
	11/3/1997	33.51	23.85	9.66
	2/5/1998	33.51	21.10	12.41
	9/16/1998	33.51	26.18	7.33
	12/30/1998	33.51	19.20	14.31
	4/6/1999	33.51	18.67	14.84
	5/24/1999	33.51	19.87	13.64
	8/18/1999	33.51	22.68	10.83
	12/21/1999	33.51	20.27	13.24
	4/25/2000	33.51	20.26	13.25
	10/25/2000	33.51	26.22	7.29
	2/9/2001	33.51	25.59	7.92
	5/15/2001	33.51	25.41	8.1
	8/7/2001	33.51	26.74	6.77
	12/5/2001	33.51	23.40	10.11
	4/9/2002	33.51	24.37	9.14
	7/29/2002	33.51	23.97	9.54
	11/26/2002	33.51	25.30	8.21
	3/4/2003	33.51	24.02	9.49
	5/19/2003	33.51	22.05	11.46
	12/9/2003	33.51	23.88	9.63
	3/30/2004	33.51	24.03	9.48
	8/19/2004	33.51	25.18	8.33
	10/27/2004	33.51	12.87	20.64
	11/22/2004	33.51	24.14	9.37
	1/19/2005	33.51	12.24	21.27
	2/11/2005	33.51	24.62	8.89
	4/21/2005	33.51	12.26	21.25
	5/18/2005	33.51	22.85	10.66
	7/19/2005	33.51	12.57	20.94
	9/16/2005	33.51	26.23	7.28
	10/25/2005	33.51	13.28	20.23
	11/8/2005	33.51	24.31	9.2
	1/10/2006	33.51	20.32	13.19
	3/1/2006	33.51	23.19	10.32
	3/16/2006	33.51	23.18	10.33

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-14 (continued)	6/2/2006	33.51	19.02	14.49
	8/7/2006	33.51	25.22	8.29
	11/17/2006	33.51	23.44	10.07
	2/15/2007	33.51	24.91	8.6
	5/22/2007	33.51	22.02	11.49
	8/22/2007	33.51	25.79	7.72
	11/6/2007	33.51	27.07	6.44
	2/11/2008	33.51	23.70	9.81
	5/12/2008	33.51	22.92	10.59
	8/4/2008	33.51	24.53	8.98
	11/14/2008	33.51	25.30	8.21
	2/16/2009	33.51	25.11	8.4
	5/27/2009	33.51	21.03	12.48
	8/18/2009	33.51	26.00	7.51
	12/7/2009	33.51	25.33	8.18
	3/15/2010	33.51	25.10	8.41
	6/1/2010	33.51	22.93	10.58
	8/30/2010	33.51	26.33	7.18
	11/29/2010	33.51	21.79	11.72
	3/30/2011	33.51	21.07	12.44
	5/31/2011	33.51	14.82	18.69
	9/14/2011	33.51	25.33	8.18
	12/12/2011	33.51	24.10	9.41
	7/2/2012	33.24	18.34	14.90
	9/26/2012	33.24	25.79	7.45
	12/3/2012	33.24	22.41	10.83
	6/17/2013	33.24	23.02	10.22
	12/10/2013	33.24	25.20	8.04
	6/11/2014	33.24	20.75	12.49
	12/17/2014	33.24	23.61	9.63
MW-72	9/16/2005	33.88	27.15	6.73
	11/8/2005	33.88	25.87	8.01
	1/10/2006	33.88	21.22	12.66
	3/1/2006	33.88	23.40	10.48
	3/16/2006	33.88	23.42	10.46
	6/2/2006	33.88	19.02	14.86
	8/7/2006	33.88	25.85	8.03
	11/17/2006	33.88	24.37	9.51
	2/15/2007	33.88	25.20	8.68
	5/22/2007	33.88	22.61	11.27
	8/22/2007	33.88	26.40	7.48
	11/6/2007	33.88	27.29	6.59
	2/11/2008	33.88	23.87	10.01

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-72 (continued)	5/12/2008	33.88	22.83	11.05
	8/4/2008	33.88	24.90	8.98
	11/14/2008	33.88	25.07	8.81
	2/16/2009	33.88	25.36	8.52
	5/27/2009	33.88	20.91	12.97
	8/18/2009	33.88	26.80	7.08
	12/7/2009	33.88	25.83	8.05
	3/15/2010	33.88	25.64	8.24
	6/1/2010	33.88	23.34	10.54
	8/30/2010	33.88	26.48	7.4
	11/29/2010	33.88	25.67	8.21
	3/30/2011	33.88	21.79	12.09
	5/31/2011	33.88	14.70	19.18
	9/14/2011	33.88	25.50	8.38
	12/12/2011	33.88	25.69	8.19
	7/2/2012	33.88	18.28	15.60
	9/26/2012	33.88	26.24	7.64
	12/3/2012	33.88	22.56	11.32
	6/17/2013	33.88	23.70	10.18
	12/10/2013	33.88	25.52	8.36
	6/11/2014	33.88	21.54	12.34
	12/17/2014	33.88	24.50	9.38
MW-73	9/16/2005	32.06	17.42	14.64
	11/8/2005	32.06	17.09	14.97
	1/10/2006	32.06	16.35	15.71
	3/1/2006	32.06	17.45	14.61
	3/16/2006	32.06	17.91	14.15
	6/2/2006	32.06	19.25	12.81
	8/7/2006	32.06	20.17	11.89
	11/17/2006	32.06	21.68	10.38
	2/15/2007	32.06	19.16	12.9
	5/22/2007	32.06	18.25	13.81
	8/22/2007	32.06	19.91	12.15
	11/6/2007	32.06	20.16	11.9
	2/11/2008	32.06	18.38	13.68
	5/12/2008	32.06	18.41	13.65
	5/27/2009	32.06	17.55	14.51
	8/18/2009	32.06	20.15	11.91
	12/7/2009	32.06	17.7	14.36
	3/15/2010	32.06	19.88	12.18
	6/1/2010	32.06	18.79	13.27
	8/30/2010	32.06	21.03	11.03

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-73 (continued)	11/29/2010	32.06	20.95	11.11
	3/30/2011	32.06	17.06	15
	5/31/2011	32.06	12.21	19.85
	9/14/2011	32.06	20.13	11.93
	12/12/2011	32.06	21.49	10.57
	7/25/2012	32.06	15.84	16.22
	9/26/2012	32.06	20.91	11.15
	12/3/2012	32.06	16.73	15.33
	6/17/2013	32.06	17.64	14.42
	12/10/2013	32.06	20.22	11.84
	6/11/2014	32.06	15.34	16.72
	12/17/2014	32.06	17.93	14.13
MW-74	12/16/2005	32.83	25.94	6.89
	1/9/2006	32.83	19.49	13.34
	1/10/2006	32.83	19.86	12.97
	3/1/2006	32.83	23.02	9.81
	3/16/2006	32.83	22.82	10.01
	6/2/2006	32.83	19.62	13.21
	8/7/2006	32.83	24.76	8.07
	11/17/2006	32.83	23.03	9.8
	2/15/2007	32.83	24.61	8.22
	5/22/2007	32.83	21.71	11.12
	8/22/2007	32.83	25.76	7.07
	11/6/2007	32.83	26.58	6.25
	2/11/2008	32.83	23.22	9.61
	5/12/2008	32.83	22.22	10.61
	11/14/2008	32.83	24.31	8.52
	2/16/2009	32.83	24.73	8.1
	5/27/2009	32.83	20	12.83
	8/18/2009	32.83	25.95	6.88
	12/7/2009	32.83	24.56	8.27
	3/15/2010	32.83	24.81	8.02
	6/1/2010	32.83	22.59	10.24
	8/30/2010	32.83	26.00	6.83
	11/29/2010	32.83	24.65	8.18
	3/30/2011	32.83	20.98	11.85
	5/31/2011	32.83	13.60	19.23
	9/14/2011	32.83	24.93	7.9
	12/12/2011	32.83	24.90	7.93
	7/2/2012	32.83	17.40	15.43
	9/26/2012	32.83	25.68	7.15
	12/3/2012	32.83	21.71	11.12
	6/17/2013	32.83	22.93	9.90
	12/10/2013	32.83	24.77	8.06
	6/11/2014	32.83	20.70	12.13
	12/17/2014	32.83	23.44	9.39

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-76	12/16/2005	36.55	28.61	7.94
	1/9/2006	36.55	22.62	13.93
	1/10/2006	36.55	22.84	13.71
	3/1/2006	36.55	26.86	9.69
	3/16/2006	36.55	26.66	9.89
	6/2/2006	36.55	22.54	14.01
	8/7/2006	36.55	28.70	7.85
	11/17/2006	36.55	27.18	9.37
	2/15/2007	36.55	28.23	8.32
	5/22/2007	36.55	25.81	10.74
	8/22/2007	36.55	29.57	6.98
	11/6/2007	36.55	30.39	6.16
	2/11/2008	36.55	27.04	9.51
	5/12/2008	36.55	26.27	10.28
	8/4/2008	36.55	27.89	8.66
	11/14/2008	36.55	28.08	8.47
	2/16/2009	36.55	28.46	8.09
	5/27/2009	36.55	24.00	12.55
	8/18/2009	36.55	29.61	6.94
	12/7/2009	36.55	28.91	7.64
	3/15/2010	36.55	28.56	7.99
	6/1/2010	36.55	26.58	9.97
	8/30/2010	36.55	29.69	6.86
	11/29/2010	36.55	28.64	7.91
	3/30/2011	36.55	25.06	11.49
	5/31/2011	36.55	17.82	18.73
	9/14/2011	36.55	28.74	7.81
	12/12/2011	36.55	28.82	7.73
	7/2/2012	36.55	21.63	14.92
	9/26/2012	36.55	29.36	7.19
	12/3/2012	36.55	26.02	10.53
	6/17/2013	36.55	26.66	9.89
	12/10/2013	36.55	28.50	8.05
	6/11/2014	36.55	24.48	12.07
	12/17/2014	36.55	27.28	9.27
MW-77	12/16/2005	34.67	27.02	7.65
	1/9/2006	34.67	21.18	13.49
	1/10/2006	34.67	21.78	12.89
	3/1/2006	34.67	25.16	9.51
	3/16/2006	34.67	25.24	9.43
	6/2/2006	34.67	21.08	13.59
	8/7/2006	34.67	27.00	7.67
	11/17/2006	34.67	25.11	9.56
	2/15/2007	34.67	26.68	7.99
	5/22/2007	34.67	24.24	10.43
	8/22/2007	34.67	27.89	6.78

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-77 (continued)	11/6/2007	34.67	28.66	6.01
	2/11/2008	34.67	25.11	9.56
	5/12/2008	34.67	24.66	10.01
	11/14/2008	34.67	26.42	8.25
	2/16/2009	34.67	26.80	7.87
	5/27/2009	34.67	22.10	12.57
	8/18/2009	34.67	28.05	6.62
	12/7/2009	34.67	27.02	7.65
	3/15/2010	34.67	26.85	7.82
	6/1/2010	34.67	25.08	9.59
	8/30/2010	34.67	28.12	6.55
	11/29/2010	34.67	26.65	8.02
	3/30/2011	34.67	23.45	11.22
	5/31/2011	34.67	15.52	19.15
	9/14/2011	34.67	27.13	7.54
	12/12/2011	34.67	27.15	7.52
	7/2/2012	34.67	20.00	14.67
	9/26/2012	34.67	27.82	6.85
	12/3/2012	34.67	23.90	10.77
	6/17/2013	34.67	25.25	9.42
	12/10/2013	34.67	26.99	7.68
	6/11/2014	34.67	23.23	11.44
	12/17/2014	34.67	25.66	9.01
MW-78	12/16/2005	35.3	27.72	7.58
	1/9/2006	35.3	22.03	13.27
	1/10/2006	35.3	23.83	11.47
	3/1/2006	35.3	26.53	8.77
	3/16/2006	35.3	25.87	9.43
	6/2/2006	35.3	17.03	18.27
	8/7/2006	35.3	28.65	6.65
	11/17/2006	35.3	26.72	8.58
	2/15/2007	35.3	27.66	7.64
	5/22/2007	35.3	25.10	10.2
	8/22/2007	35.3	28.93	6.37
	11/6/2007	35.3	30.02	5.28
	2/11/2008	35.3	26.18	9.12
	5/12/2008	35.3	25.51	9.79
	8/4/2008	35.3	27.52	7.78
	11/14/2008	35.3	27.30	8
	2/16/2009	35.3	27.95	7.35
	5/27/2009	35.3	22.06	13.24
	8/18/2009	35.3	28.05	7.25
	12/7/2009	35.3	27.87	7.43

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-78 (continued)	8/30/2010	35.3	28.71	6.59
	11/29/2010	35.3	27.56	7.74
	3/30/2011	35.3	24.02	11.28
	5/31/2011	35.3	16.09	19.21
	9/14/2011	35.3	27.77	7.53
	12/12/2011	35.3	28.15	7.15
	7/2/2012	35.3	20.24	15.06
	9/26/2012	35.3	29.32	5.98
	12/3/2012	35.3	25.36	9.94
MW-79	12/16/2005	35.34	8.14	27.2
	1/9/2006	35.34	15.18	20.16
	1/10/2006	35.34	10.53	24.81
	3/1/2006	35.34	10.86	24.48
	3/16/2006	35.34	10.45	24.89
	6/2/2006	35.34	12.50	22.84
	8/7/2006	35.34	11.66	23.68
	11/17/2006	35.34	11.27	24.07
	2/15/2007	35.34	10.90	24.44
	5/22/2007	35.34	10.65	24.69
	8/22/2007	35.34	15.72	19.62
	11/6/2007	35.34	10.71	24.63
	2/11/2008	35.34	10.75	24.59
	5/12/2008	35.34	10.78	24.56
	8/4/2008	35.34	12.2	23.14
	11/14/2008	35.34	10.92	24.42
	2/16/2009	35.34	10.81	24.53
	5/27/2009	35.34	10.69	24.65
	8/18/2009	35.34	13.2	22.14
	12/7/2009	35.34	10.67	24.67
	3/15/2010	35.34	11.03	24.31
	6/1/2010	35.34	10.73	24.61
	8/30/2010	35.34	12.00	23.34
	11/29/2010	35.34	10.49	24.85
	3/30/2011	35.34	6.69	28.65
	5/31/2011	35.34	8.67	26.67
	9/14/2011	35.34	12.43	22.91
	12/12/2011	35.34	7.60	27.74
	7/2/2012	35.34	8.71	26.63
	9/26/2012	35.34	14.89	20.45
	12/3/2012	35.34	6.20	29.14
	6/17/2013	35.34	9.17	26.17
	12/10/2013	35.34	5.69	29.65
	6/11/2014	35.34	13.37	21.97
	12/17/2014	35.34	24.50	10.84

Please refer to notes at end of table.

Table B-3
Historical Groundwater Elevations – Schnitzer ASD yard (Area 3)
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet MSL) [1]	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-80	5/22/2007	33.91	15.41	18.5
	8/22/2007	33.91	17.71	16.2
	11/6/2007	33.91	18.77	15.14
	2/11/2008	33.91	9.79	24.12
	5/12/2008	33.91	12.75	21.16
	8/4/2008	33.91	14.91	19
	11/14/2008	33.91	11.75	22.16
	2/16/2009	33.91	14.07	19.84
	5/27/2009	33.91	12.62	21.29
	8/18/2009	33.91	17.01	16.9
	12/7/2009	33.91	14.62	19.29
	3/15/2010	33.91	13.23	20.68
	6/1/2010	33.91	14.61	19.3
	8/30/2010	33.91	16.22	17.69
	11/29/2010	33.91	10.59	23.32
	3/30/2011	33.91	11.41	22.5
	5/31/2011	33.91	10.05	23.86
	9/14/2011	33.91	15.11	18.8
	12/12/2011	33.91	15.28	18.63
	7/2/2012	33.91	8.85	25.06
	9/26/2012	33.91	15.58	18.33
	12/3/2012	33.91	10.90	23.01
	6/17/2013	33.91	12.27	21.64
	12/10/2013	33.91	14.72	19.19
	6/11/2014	33.91	11.89	22.02
	12/17/2014	33.91	12.86	21.05

Notes:

1. Feet MSL = Feet above mean sea level.
2. Feet BTOC = feet below top of casing

Appendix C

Appendix C

Analytical Laboratory Reports and Quality Assurance Review

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Wednesday, July 15, 2015

Chris Breemer
Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

RE: GWM / Gunderson GWM/1935-01/03.032

Enclosed are the results of analyses for work order A5G0026, which was received by the laboratory on 7/1/2015 at 12:45:00PM.

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

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

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-74	A5G0026-01	Water	06/30/15 14:15	07/01/15 12:45
MW-21	A5G0026-02	Water	06/30/15 13:15	07/01/15 12:45
MW-66	A5G0026-03	Water	06/30/15 12:15	07/01/15 12:45
MW-70	A5G0026-04	Water	06/30/15 11:00	07/01/15 12:45
MW-27	A5G0026-05	Water	06/30/15 10:40	07/01/15 12:45
MW-36	A5G0026-06	Water	06/30/15 10:15	07/01/15 12:45
MW-49	A5G0026-07	Water	06/30/15 09:40	07/01/15 12:45
MW-52	A5G0026-08	Water	06/30/15 08:30	07/01/15 12:45
MW-62	A5G0026-09	Water	06/30/15 09:10	07/01/15 12:45
MW-62 DUP	A5G0026-10	Water	06/30/15 09:10	07/01/15 12:45
WEX-60	A5G0026-11	Water	06/30/15 08:50	07/01/15 12:45
MW-27 DUP	A5G0026-12	Water	06/30/15 10:40	07/01/15 12:45

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
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Apex Companies, LLC	Project:	**GWM**	
3015 SW First Avenue	Project Number:	Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager:	Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-74 (A5G0026-01)			**Matrix: Water**		**Batch: 5070156**			
Diesel	**0.373**	0.0943	0.189	mg/L	1	07/07/15 23:51	NWTPH-Dx	F-11
Oil	ND	0.189	0.377	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 97 %*	*Limits: 50-150 %*	"	"	"	
WEX-60 (A5G0026-11)			**Matrix: Water**		**Batch: 5070156**			
Diesel	ND	0.0943	0.189	mg/L	1	07/08/15 00:11	NWTPH-Dx	
Oil	ND	0.189	0.377	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 102 %*	*Limits: 50-150 %*	"	"	"	

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-21 (A5G0026-02)			**Matrix: Water**		**Batch: 5070019**			
Acetone	ND	10.0	20.0	ug/L	1	07/01/15 22:53	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**2.99**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**0.890**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

Apex Laboratories

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Philip Nerenberg, Lab Director

Apex Labs

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-21 (A5G0026-02)			**Matrix: Water**		**Batch: 5070019**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	**1.47**	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**0.560**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	**0.640**	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	**0.300**	0.250	0.500	"	"	"	"	J
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*101 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*101 %*	*Limits: 80-120 %*	"	"	"	

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-70 (A5G0026-04)			**Matrix: Water**		**Batch: 5070019**			
Acetone	ND	10.0	20.0	ug/L	1	07/01/15 21:05	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	ND	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	ND	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-70 (A5G0026-04)			**Matrix: Water**		**Batch: 5070019**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	**0.590**	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**1.10**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	ND	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*100 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*102 %*	*Limits: 80-120 %*	"	"	"	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-27 (A5G0026-05)			**Matrix: Water**		**Batch: 5070042**			
Acetone	ND	10.0	20.0	ug/L	1	07/02/15 16:28	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	0.500	1.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.250	0.500	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	**0.260**	0.250	0.500	"	"	"	"	J
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**8.90**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**5.75**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-27 (A5G0026-05)			**Matrix: Water**		**Batch: 5070042**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	**2.84**	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**1.55**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	**0.690**	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	ND	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 109 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*114 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*96 %*	*Limits: 80-120 %*	"	"	"	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-36 (A5G0026-06)			**Matrix: Water**		**Batch: 5070042**			
Acetone	ND	10.0	20.0	ug/L	1	07/02/15 18:36	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	0.500	1.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.250	0.500	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	ND	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	ND	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-36 (A5G0026-06)			**Matrix: Water**		**Batch: 5070042**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**0.360**	0.250	0.500	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	ND	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 113 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*118 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*96 %*	*Limits: 80-120 %*	"	"	"	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-49 (A5G0026-07)			**Matrix: Water**		**Batch: 5070019**			
Acetone	ND	10.0	20.0	ug/L	1	07/01/15 21:59	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**6.62**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**5.75**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	**0.320**	0.250	0.500	"	"	"	"	J
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-49 (A5G0026-07)			**Matrix: Water**		**Batch: 5070019**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	**0.430**	0.250	0.500	"	"	"	"	J
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**3.52**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	**0.280**	0.250	0.500	"	"	"	"	J
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	**0.670**	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*100 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*103 %*	*Limits: 80-120 %*	"	"	"	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-52 (A5G0026-08)			**Matrix: Water**		**Batch: 5070019**			
Acetone	ND	10.0	20.0	ug/L	1	07/01/15 21:32	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**0.900**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**4.54**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-52 (A5G0026-08)			**Matrix: Water**		**Batch: 5070019**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	**0.430**	0.250	0.500	"	"	"	"	J
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**0.340**	0.250	0.500	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	ND	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 100 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*100 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*102 %*	*Limits: 80-120 %*	"	"	"	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-62 (A5G0026-09)			**Matrix: Water**		**Batch: 5070019**			
Acetone	ND	10.0	20.0	ug/L	1	07/01/15 23:20	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**16.3**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**7.03**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-62 (A5G0026-09)			**Matrix: Water**		**Batch: 5070019**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	**0.690**	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**4.39**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	**0.320**	0.250	0.500	"	"	"	"	J
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	**1.34**	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*101 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*102 %*	*Limits: 80-120 %*	"	"	"	

Apex Laboratories

Philip Nerenberg

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-62 DUP (A5G0026-10)			**Matrix: Water**		**Batch: 5070019**			
Acetone	ND	10.0	20.0	ug/L	1	07/01/15 23:47	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**16.6**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**6.93**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-62 DUP (A5G0026-10)			**Matrix: Water**		**Batch: 5070019**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	**0.720**	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**4.45**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	**0.310**	0.250	0.500	"	"	"	"	J
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	**1.41**	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*101 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*102 %*	*Limits: 80-120 %*	"	"	"	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
WEX-60 (A5G0026-11)			**Matrix: Water**		**Batch: 5070019**			
Acetone	ND	10.0	20.0	ug/L	1	07/01/15 22:26	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**14.6**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**6.32**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
WEX-60 (A5G0026-11)			**Matrix: Water**		**Batch: 5070019**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	**0.590**	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**3.79**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	**0.280**	0.250	0.500	"	"	"	"	J
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	**1.37**	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*105 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*100 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*103 %*	*Limits: 80-120 %*	"	"	"	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-27 DUP (A5G0026-12)			**Matrix: Water**		**Batch: 5070042**			
Acetone	ND	10.0	20.0	ug/L	1	07/02/15 17:00	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	0.500	1.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.250	0.500	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	**0.270**	0.250	0.500	"	"	"	"	J
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**8.95**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**5.73**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-27 DUP (A5G0026-12)			**Matrix: Water**		**Batch: 5070042**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	**2.90**	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**1.56**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	**0.700**	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	ND	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 111 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*115 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*96 %*	*Limits: 80-120 %*	"	"	"	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-66 (A5G0026-03)			**Matrix: Water**		**Batch: 5070133**			
Acenaphthene	**0.0901**	0.0190	0.0381	ug/L	1	07/08/15 18:54	EPA 8270D	
Acenaphthylene	ND	0.0190	0.0381	"	"	"	"	
Anthracene	**0.0303**	0.0190	0.0381	"	"	"	"	J
Benz(a)anthracene	ND	0.0190	0.0381	"	"	"	"	
Benzo(a)pyrene	ND	0.0286	0.0571	"	"	"	"	
Benzo(b)fluoranthene	ND	0.0286	0.0571	"	"	"	"	
Benzo(k)fluoranthene	ND	0.0286	0.0571	"	"	"	"	
Benzo(g,h,i)perylene	ND	0.0190	0.0381	"	"	"	"	
Chrysene	ND	0.0190	0.0381	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.0190	0.0381	"	"	"	"	
Dibenzofuran	ND	0.0190	0.0381	"	"	"	"	
Fluoranthene	ND	0.0190	0.0381	"	"	"	"	
Fluorene	ND	0.0190	0.0381	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.0190	0.0381	"	"	"	"	
1-Methylnaphthalene	ND	0.0381	0.0762	"	"	"	"	
2-Methylnaphthalene	ND	0.0381	0.0762	"	"	"	"	
Naphthalene	ND	0.0381	0.0762	"	"	"	"	
Phenanthrene	ND	0.0190	0.0381	"	"	"	"	
Pyrene	**0.0533**	0.0190	0.0381	"	"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)			*Recovery: 59 %*	*Limits: 44-120 %*	"	"	"	
2-Fluorobiphenyl (Surr)			*57 %*	*Limits: 44-120 %*	"	"	"	
p-Terphenyl-d14 (Surr)			*93 %*	*Limits: 50-133 %*	"	"	"	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-74 (A5G0026-01)			**Matrix: Water**					
Batch: 5070123								
Antimony	ND	0.500	1.00	ug/L	1	07/09/15 16:02	EPA 6020A	
Arsenic	**2.79**	0.500	1.00	"	"	"	"	
Barium	**95.1**	0.500	1.00	"	"	"	"	
Cadmium	ND	0.0400	0.200	"	"	"	"	
Chromium	ND	0.500	1.00	"	"	"	"	
Copper	**0.644**	0.500	1.00	"	"	"	"	J
Lead	**0.278**	0.100	0.200	"	"	"	"	
Mercury	ND	0.0400	0.0800	"	"	"	"	
Nickel	**1.27**	0.500	2.00	"	"	"	"	J
Zinc	**3.86**	2.00	4.00	"	"	"	"	J
MW-74 (A5G0026-01RE1)			**Matrix: Water**					
Batch: 5070123								
Manganese	**3880**	5.00	10.0	ug/L	10	07/09/15 21:51	EPA 6020A	
MW-66 (A5G0026-03)			**Matrix: Water**					
Batch: 5070123								
Antimony	ND	0.500	1.00	ug/L	1	07/09/15 16:05	EPA 6020A	
Arsenic	**12.0**	0.500	1.00	"	"	"	"	
Barium	**60.1**	0.500	1.00	"	"	"	"	
Cadmium	ND	0.0400	0.200	"	"	"	"	
Chromium	ND	0.500	1.00	"	"	"	"	
Copper	**1.56**	0.500	1.00	"	"	"	"	
Lead	**0.122**	0.100	0.200	"	"	"	"	J
Nickel	**1.17**	0.500	2.00	"	"	"	"	J
Zinc	**7.38**	2.00	4.00	"	"	"	"	
MW-66 (A5G0026-03RE1)			**Matrix: Water**					
Batch: 5070123								
Manganese	**2840**	5.00	10.0	ug/L	10	07/09/15 21:54	EPA 6020A	

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Apex Companies, LLC 3015 SW First Avenue Portland, OR 97201	Project: **GWM** Project Number: Gunderson GWM/1935-01/0: Project Manager: Chris Breemer	**Reported:** 07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070156 - EPA 3510C (Fuels/Acid Ext.)							**Water**					
Blank (5070156-BLK1)					Prepared: 07/07/15 15:30		Analyzed: 07/07/15 22:52					
NWTPH-Dx												
Diesel	ND	0.0909	0.182	mg/L	1	---	---	---	---	---	---	
Oil	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 97 %*	*Limits: 50-150 %*			*Dilution: 1x*					
LCS (5070156-BS1)					Prepared: 07/07/15 15:30		Analyzed: 07/07/15 23:12					
NWTPH-Dx												
Diesel	1.01	0.100	0.200	mg/L	1	1.25	---	80	58-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 98 %*	*Limits: 50-150 %*			*Dilution: 1x*					
LCS Dup (5070156-BSD1)					Prepared: 07/07/15 15:30		Analyzed: 07/07/15 23:31					**Q-19**
NWTPH-Dx												
Diesel	1.16	0.100	0.200	mg/L	1	1.25	---	93	58-115%	15	20%	
Surr: o-Terphenyl (Surr)			*Recovery: 97 %*	*Limits: 50-150 %*			*Dilution: 1x*					

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070019 - EPA 5030B							**Water**					
Blank (5070019-BLK1)					Prepared: 07/01/15 13:00		Analyzed: 07/01/15 15:16					
EPA 8260B												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.125	0.250	"	"	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Bromoform	ND	1.00	2.00	"	"	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	"	"	---	---	---	---	---	---	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	"	"	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	"	"	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	"	"	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	---	---	---	---	---	---	

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Philip Nerenberg

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070019 - EPA 5030B							**Water**					
Blank (5070019-BLK1)					Prepared: 07/01/15 13:00		Analyzed: 07/01/15 15:16					
1,1-Dichloroethene	ND	0.250	0.500	ug/L	"	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,2-Dichloropropane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
2,2-Dichloropropane	ND	2.00	2.00	"	"	---	---	---	---	---	---	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	"	"	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	"	"	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Methylene chloride	ND	2.50	5.00	"	"	---	---	---	---	---	---	
Naphthalene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	"	"	---	---	---	---	---	---	

Apex Laboratories

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070019 - EPA 5030B							**Water**					
Blank (5070019-BLK1)					Prepared: 07/01/15 13:00 Analyzed: 07/01/15 15:16							
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Vinyl chloride	ND	0.250	0.500	"	"	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Surr: Dibromofluoromethane (Surr)			*Recovery: 98 %*	*Limits: 80-120 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Surr)			*104 %*	*80-120 %*			*"*					
Toluene-d8 (Surr)			*99 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*104 %*	*80-120 %*			*"*					
LCS (5070019-BS1)					Prepared: 07/01/15 13:00 Analyzed: 07/01/15 14:22							
EPA 8260B												
Acetone	40.0	10.0	20.0	ug/L	1	40.0	---	100	70-130%	---	---	
Benzene	20.4	0.125	0.250	"	"	20.0	---	102	"	---	---	
Bromobenzene	18.6	0.250	0.500	"	"	"	---	93	"	---	---	
Bromochloromethane	21.2	0.500	1.00	"	"	"	---	106	"	---	---	
Bromodichloromethane	22.3	0.500	1.00	"	"	"	---	112	"	---	---	
Bromoform	23.6	1.00	2.00	"	"	"	---	118	"	---	---	
Bromomethane	10.5	5.00	5.00	"	"	"	---	52	"	---	---	Q-31
2-Butanone (MEK)	44.1	5.00	10.0	"	"	40.0	---	110	"	---	---	
n-Butylbenzene	18.5	0.500	1.00	"	"	20.0	---	92	"	---	---	
sec-Butylbenzene	18.5	0.500	1.00	"	"	"	---	92	"	---	---	
tert-Butylbenzene	18.6	0.500	1.00	"	"	"	---	93	"	---	---	
Carbon disulfide	21.7	5.00	10.0	"	"	"	---	108	"	---	---	
Carbon tetrachloride	25.1	0.500	1.00	"	"	"	---	126	"	---	---	Q-41
Chlorobenzene	18.6	0.250	0.500	"	"	"	---	93	"	---	---	
Chloroethane	20.1	5.00	5.00	"	"	"	---	100	"	---	---	
Chloroform	19.9	0.500	1.00	"	"	"	---	100	"	---	---	
Chloromethane	19.3	2.50	5.00	"	"	"	---	96	"	---	---	
2-Chlorotoluene	19.0	0.500	1.00	"	"	"	---	95	"	---	---	
4-Chlorotoluene	18.4	0.500	1.00	"	"	"	---	92	"	---	---	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070019 - EPA 5030B							**Water**					
LCS (5070019-BS1)					Prepared: 07/01/15 13:00		Analyzed: 07/01/15 14:22					
1,2-Dibromo-3-chloropropane	25.2	2.50	5.00	ug/L	"	"	---	126	"	---	---	
Dibromochloromethane	21.0	0.500	1.00	"	"	"	---	105	"	---	---	
1,2-Dibromoethane (EDB)	19.1	0.250	0.500	"	"	"	---	95	"	---	---	
Dibromomethane	19.0	0.500	1.00	"	"	"	---	95	"	---	---	
1,2-Dichlorobenzene	20.0	0.250	0.500	"	"	"	---	100	"	---	---	
1,3-Dichlorobenzene	19.1	0.250	0.500	"	"	"	---	95	"	---	---	
1,4-Dichlorobenzene	19.0	0.250	0.500	"	"	"	---	95	"	---	---	
Dichlorodifluoromethane	19.6	0.500	1.00	"	"	"	---	98	"	---	---	
1,1-Dichloroethane	18.1	0.250	0.500	"	"	"	---	91	"	---	---	
1,2-Dichloroethane (EDC)	18.9	0.250	0.500	"	"	"	---	94	"	---	---	
1,1-Dichloroethene	16.8	0.250	0.500	"	"	"	---	84	"	---	---	
cis-1,2-Dichloroethene	19.4	0.250	0.500	"	"	"	---	97	"	---	---	
trans-1,2-Dichloroethene	17.9	0.250	0.500	"	"	"	---	90	"	---	---	
1,2-Dichloropropane	20.3	0.250	0.500	"	"	"	---	102	"	---	---	
1,3-Dichloropropane	19.2	0.500	1.00	"	"	"	---	96	"	---	---	
2,2-Dichloropropane	23.3	2.00	2.00	"	"	"	---	116	"	---	---	EST, Q-41
1,1-Dichloropropene	18.6	0.500	1.00	"	"	"	---	93	"	---	---	
cis-1,3-Dichloropropene	14.5	0.500	1.00	"	"	"	---	72	"	---	---	
trans-1,3-Dichloropropene	16.0	0.500	1.00	"	"	"	---	80	"	---	---	
Ethylbenzene	18.9	0.250	0.500	"	"	"	---	94	"	---	---	
Hexachlorobutadiene	18.2	2.50	5.00	"	"	"	---	91	"	---	---	
2-Hexanone	41.6	5.00	10.0	"	"	40.0	---	104	"	---	---	
Isopropylbenzene	19.2	0.500	1.00	"	"	20.0	---	96	"	---	---	
4-Isopropyltoluene	18.3	0.500	1.00	"	"	"	---	92	"	---	---	
4-Methyl-2-pentanone (MiBK)	41.8	5.00	10.0	"	"	40.0	---	105	"	---	---	
Methyl tert-butyl ether (MTBE)	28.9	0.500	1.00	"	"	20.0	---	144	"	---	---	Q-41
Methylene chloride	21.4	2.50	5.00	"	"	"	---	107	"	---	---	
Naphthalene	20.5	1.00	2.00	"	"	"	---	102	"	---	---	
n-Propylbenzene	18.6	0.250	0.500	"	"	"	---	93	"	---	---	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070019 - EPA 5030B							**Water**					
LCS (5070019-BS1)					Prepared: 07/01/15 13:00		Analyzed: 07/01/15 14:22					
Styrene	20.0	0.500	1.00	ug/L	"	"	---	100	"	---	---	
1,1,1,2-Tetrachloroethane	22.5	0.250	0.500	"	"	"	---	113	"	---	---	
1,1,2,2-Tetrachloroethane	23.1	0.250	0.500	"	"	"	---	116	"	---	---	
Tetrachloroethene (PCE)	17.4	0.250	0.500	"	"	"	---	87	"	---	---	
Toluene	18.8	0.500	1.00	"	"	"	---	94	"	---	---	
1,2,3-Trichlorobenzene	19.1	1.00	2.00	"	"	"	---	95	"	---	---	
1,2,4-Trichlorobenzene	19.3	1.00	2.00	"	"	"	---	97	"	---	---	
1,1,1-Trichloroethane	20.3	0.250	0.500	"	"	"	---	102	"	---	---	
1,1,2-Trichloroethane	21.4	0.250	0.500	"	"	"	---	107	"	---	---	
Trichloroethene (TCE)	18.8	0.250	0.500	"	"	"	---	94	"	---	---	
Trichlorofluoromethane	19.4	1.00	2.00	"	"	"	---	97	"	---	---	
1,2,3-Trichloropropane	21.9	0.500	1.00	"	"	"	---	109	"	---	---	
1,2,4-Trimethylbenzene	19.3	0.500	1.00	"	"	"	---	96	"	---	---	
1,3,5-Trimethylbenzene	19.4	0.500	1.00	"	"	"	---	97	"	---	---	
Vinyl chloride	20.9	0.250	0.500	"	"	"	---	105	"	---	---	
m,p-Xylene	38.0	0.500	1.00	"	"	40.0	---	95	"	---	---	
o-Xylene	19.9	0.250	0.500	"	"	20.0	---	99	"	---	---	

Surr: Dibromofluoromethane (Surr)	*Recovery: 102 %*	*Limits: 80-120 %*	*Dilution: 1x*
1,4-Difluorobenzene (Surr)	*104 %*	*80-120 %*	*"*
Toluene-d8 (Surr)	*97 %*	*80-120 %*	*"*
4-Bromofluorobenzene (Surr)	*101 %*	*80-120 %*	*"*

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Blank (5070042-BLK1)					Prepared: 07/02/15 12:00 Analyzed: 07/02/15 14:27							
EPA 8260B												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.125	0.250	"	"	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	"	"	---	---	---	---	---	---	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	"	"	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	"	"	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.250	0.500	"	"	---	---	---	---	---	---	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Blank (5070042-BLK1)					Prepared: 07/02/15 12:00 Analyzed: 07/02/15 14:27							
cis-1,2-Dichloroethene	ND	0.250	0.500	ug/L	"	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,2-Dichloropropane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	"	"	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	"	"	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Methylene chloride	ND	2.50	5.00	"	"	---	---	---	---	---	---	
Naphthalene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	---	---	---	---	---	---	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Blank (5070042-BLK1)					Prepared: 07/02/15 12:00		Analyzed: 07/02/15 14:27					
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Vinyl chloride	ND	0.250	0.500	"	"	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Surr: Dibromofluoromethane (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*		*Dilution: 1x*					
1,4-Difluorobenzene (Surr)			*114 %*		*80-120 %*		*"*					
Toluene-d8 (Surr)			*105 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*		*"*					
LCS (5070042-BS1)					Prepared: 07/02/15 12:00		Analyzed: 07/02/15 13:29					
EPA 8260B												
Acetone	45.5	10.0	20.0	ug/L	1	40.0	---	114	70-130%	---	---	
Benzene	24.0	0.125	0.250	"	"	20.0	---	120	"	---	---	
Bromobenzene	19.5	0.250	0.500	"	"	"	---	97	"	---	---	
Bromochloromethane	21.1	0.500	1.00	"	"	"	---	106	"	---	---	
Bromodichloromethane	20.6	0.500	1.00	"	"	"	---	103	"	---	---	
Bromoform	19.6	0.500	1.00	"	"	"	---	98	"	---	---	
Bromomethane	12.8	5.00	5.00	"	"	"	---	64	"	---	---	Q-31
2-Butanone (MEK)	51.4	5.00	10.0	"	"	40.0	---	128	"	---	---	
n-Butylbenzene	23.6	0.500	1.00	"	"	20.0	---	118	"	---	---	
sec-Butylbenzene	23.1	0.500	1.00	"	"	"	---	116	"	---	---	
tert-Butylbenzene	21.6	0.500	1.00	"	"	"	---	108	"	---	---	
Carbon tetrachloride	19.3	0.250	0.500	"	"	"	---	96	"	---	---	
Chlorobenzene	20.3	0.250	0.500	"	"	"	---	102	"	---	---	
Chloroethane	14.1	5.00	5.00	"	"	"	---	70	"	---	---	
Chloroform	21.7	0.500	1.00	"	"	"	---	108	"	---	---	
Chloromethane	21.0	2.50	5.00	"	"	"	---	105	"	---	---	
2-Chlorotoluene	21.6	0.500	1.00	"	"	"	---	108	"	---	---	
4-Chlorotoluene	22.6	0.500	1.00	"	"	"	---	113	"	---	---	
1,2-Dibromo-3-chloropropane	22.5	2.50	5.00	"	"	"	---	112	"	---	---	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
LCS (5070042-BS1)					Prepared: 07/02/15 12:00		Analyzed: 07/02/15 13:29					
Dibromochloromethane	18.8	0.500	1.00	ug/L	"	"	---	94	"	---	---	
1,2-Dibromoethane (EDB)	22.0	0.250	0.500	"	"	"	---	110	"	---	---	
Dibromomethane	20.8	0.500	1.00	"	"	"	---	104	"	---	---	
1,2-Dichlorobenzene	21.8	0.250	0.500	"	"	"	---	109	"	---	---	
1,3-Dichlorobenzene	21.4	0.250	0.500	"	"	"	---	107	"	---	---	
1,4-Dichlorobenzene	20.7	0.250	0.500	"	"	"	---	104	"	---	---	
Dichlorodifluoromethane	18.6	0.500	1.00	"	"	"	---	93	"	---	---	
1,1-Dichloroethane	22.3	0.250	0.500	"	"	"	---	112	"	---	---	
1,2-Dichloroethane (EDC)	18.7	0.250	0.500	"	"	"	---	94	"	---	---	
1,1-Dichloroethene	19.5	0.250	0.500	"	"	"	---	97	"	---	---	
cis-1,2-Dichloroethene	21.6	0.250	0.500	"	"	"	---	108	"	---	---	
trans-1,2-Dichloroethene	21.5	0.250	0.500	"	"	"	---	107	"	---	---	
1,2-Dichloropropane	23.6	0.250	0.500	"	"	"	---	118	"	---	---	
1,3-Dichloropropane	21.8	0.500	1.00	"	"	"	---	109	"	---	---	
2,2-Dichloropropane	18.1	0.500	1.00	"	"	"	---	91	"	---	---	
1,1-Dichloropropene	21.9	0.500	1.00	"	"	"	---	110	"	---	---	
cis-1,3-Dichloropropene	19.1	0.500	1.00	"	"	"	---	95	"	---	---	
trans-1,3-Dichloropropene	18.2	0.500	1.00	"	"	"	---	91	"	---	---	
Ethylbenzene	20.6	0.250	0.500	"	"	"	---	103	"	---	---	
Hexachlorobutadiene	19.0	2.50	5.00	"	"	"	---	95	"	---	---	
2-Hexanone	44.7	5.00	10.0	"	"	40.0	---	112	"	---	---	
Isopropylbenzene	21.2	0.500	1.00	"	"	20.0	---	106	"	---	---	
4-Isopropyltoluene	22.2	0.500	1.00	"	"	"	---	111	"	---	---	
4-Methyl-2-pentanone (MiBK)	42.1	5.00	10.0	"	"	40.0	---	105	"	---	---	
Methyl tert-butyl ether (MTBE)	21.5	0.500	1.00	"	"	20.0	---	107	"	---	---	
Methylene chloride	24.2	2.50	5.00	"	"	"	---	121	"	---	---	
Naphthalene	23.1	1.00	2.00	"	"	"	---	115	"	---	---	
n-Propylbenzene	22.4	0.250	0.500	"	"	"	---	112	"	---	---	
Styrene	19.7	0.500	1.00	"	"	"	---	98	"	---	---	
1,1,1,2-Tetrachloroethane	20.1	0.250	0.500	"	"	"	---	100	"	---	---	

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Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
LCS (5070042-BS1)					Prepared: 07/02/15 12:00		Analyzed: 07/02/15 13:29					
1,1,2,2-Tetrachloroethane	26.8	0.250	0.500	"	"	"	---	134	"	---	---	Q-41
Tetrachloroethene (PCE)	18.2	0.250	0.500	"	"	"	---	91	"	---	---	
Toluene	20.6	0.500	1.00	"	"	"	---	103	"	---	---	
1,2,3-Trichlorobenzene	20.4	1.00	2.00	"	"	"	---	102	"	---	---	
1,2,4-Trichlorobenzene	20.5	1.00	2.00	"	"	"	---	103	"	---	---	
1,1,1-Trichloroethane	19.7	0.250	0.500	"	"	"	---	98	"	---	---	
1,1,2-Trichloroethane	22.6	0.250	0.500	"	"	"	---	113	"	---	---	
Trichloroethene (TCE)	20.8	0.250	0.500	"	"	"	---	104	"	---	---	
Trichlorofluoromethane	18.2	1.00	2.00	"	"	"	---	91	"	---	---	
1,2,3-Trichloropropane	22.6	0.500	1.00	"	"	"	---	113	"	---	---	
1,2,4-Trimethylbenzene	23.0	0.500	1.00	"	"	"	---	115	"	---	---	
1,3,5-Trimethylbenzene	22.1	0.500	1.00	"	"	"	---	111	"	---	---	
Vinyl chloride	20.8	0.250	0.500	"	"	"	---	104	"	---	---	
m,p-Xylene	40.6	0.500	1.00	"	"	40.0	---	101	"	---	---	
o-Xylene	20.9	0.250	0.500	"	"	20.0	---	105	"	---	---	
Surr: Dibromofluoromethane (Surr)			*Recovery: 106 %*		*Limits: 80-120 %*		*Dilution: 1x*					
1,4-Difluorobenzene (Surr)			*112 %*		*80-120 %*		"					
Toluene-d8 (Surr)			*103 %*		*80-120 %*		"					
4-Bromofluorobenzene (Surr)			*93 %*		*80-120 %*		"					
Matrix Spike (5070042-MS1)					Prepared: 07/02/15 14:10		Analyzed: 07/02/15 19:07					
QC Source Sample: MW-36 (A5G0026-06)												
EPA 8260B												
Acetone	43.4	10.0	20.0	ug/L	1	40.0	ND	109	70-130%	---	---	
Benzene	25.4	0.125	0.250	"	"	20.0	ND	127	"	---	---	
Bromobenzene	19.5	0.250	0.500	"	"	"	ND	98	"	---	---	
Bromochloromethane	22.6	0.500	1.00	"	"	"	ND	113	"	---	---	
Bromodichloromethane	21.6	0.500	1.00	"	"	"	ND	108	"	---	---	
Bromoform	19.2	0.500	1.00	"	"	"	ND	96	"	---	---	
Bromomethane	11.2	5.00	5.00	"	"	"	ND	56	"	---	---	Q-31
2-Butanone (MEK)	50.5	5.00	10.0	"	"	40.0	ND	126	"	---	---	
n-Butylbenzene	22.2	0.500	1.00	"	"	20.0	ND	111	"	---	---	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Matrix Spike (5070042-MS1)					Prepared: 07/02/15 14:10		Analyzed: 07/02/15 19:07					
QC Source Sample: MW-36 (A5G0026-06)												
sec-Butylbenzene	22.1	0.500	1.00	ug/L	"	"	ND	110	"	---	---	
tert-Butylbenzene	20.8	0.500	1.00	"	"	"	ND	104	"	---	---	
Carbon tetrachloride	20.6	0.250	0.500	"	"	"	ND	103	"	---	---	
Chlorobenzene	20.6	0.250	0.500	"	"	"	ND	103	"	---	---	
Chloroethane	15.8	5.00	5.00	"	"	"	ND	79	"	---	---	
Chloroform	23.0	0.500	1.00	"	"	"	ND	115	"	---	---	
Chloromethane	21.3	2.50	5.00	"	"	"	ND	107	"	---	---	
2-Chlorotoluene	21.4	0.500	1.00	"	"	"	ND	107	"	---	---	
4-Chlorotoluene	22.2	0.500	1.00	"	"	"	ND	111	"	---	---	
1,2-Dibromo-3-chloropropane	21.3	2.50	5.00	"	"	"	ND	106	"	---	---	
Dibromochloromethane	18.4	0.500	1.00	"	"	"	ND	92	"	---	---	
1,2-Dibromoethane (EDB)	21.1	0.250	0.500	"	"	"	ND	106	"	---	---	
Dibromomethane	21.1	0.500	1.00	"	"	"	ND	105	"	---	---	
1,2-Dichlorobenzene	21.4	0.250	0.500	"	"	"	ND	107	"	---	---	
1,3-Dichlorobenzene	21.0	0.250	0.500	"	"	"	ND	105	"	---	---	
1,4-Dichlorobenzene	20.4	0.250	0.500	"	"	"	ND	102	"	---	---	
Dichlorodifluoromethane	20.2	0.500	1.00	"	"	"	ND	101	"	---	---	
1,1-Dichloroethane	24.2	0.250	0.500	"	"	"	ND	121	"	---	---	
1,2-Dichloroethane (EDC)	19.5	0.250	0.500	"	"	"	ND	97	"	---	---	
1,1-Dichloroethene	21.4	0.250	0.500	"	"	"	ND	107	"	---	---	
cis-1,2-Dichloroethene	22.7	0.250	0.500	"	"	"	ND	114	"	---	---	
trans-1,2-Dichloroethene	23.6	0.250	0.500	"	"	"	ND	118	"	---	---	
1,2-Dichloropropane	24.7	0.250	0.500	"	"	"	ND	124	"	---	---	
1,3-Dichloropropane	21.3	0.500	1.00	"	"	"	ND	107	"	---	---	
2,2-Dichloropropane	17.6	0.500	1.00	"	"	"	ND	88	"	---	---	
1,1-Dichloropropene	23.3	0.500	1.00	"	"	"	ND	117	"	---	---	
cis-1,3-Dichloropropene	18.3	0.500	1.00	"	"	"	ND	91	"	---	---	
trans-1,3-Dichloropropene	18.0	0.500	1.00	"	"	"	ND	90	"	---	---	
Ethylbenzene	21.0	0.250	0.500	"	"	"	ND	105	"	---	---	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Matrix Spike (5070042-MS1)					Prepared: 07/02/15 14:10		Analyzed: 07/02/15 19:07					
QC Source Sample: MW-36 (A5G0026-06)												
Hexachlorobutadiene	16.1	2.50	5.00	ug/L	"	"	ND	80	"	---	---	
2-Hexanone	42.1	5.00	10.0	"	"	40.0	ND	105	"	---	---	
Isopropylbenzene	21.2	0.500	1.00	"	"	20.0	ND	106	"	---	---	
4-Isopropyltoluene	21.1	0.500	1.00	"	"	"	ND	105	"	---	---	
4-Methyl-2-pentanone (MiBK)	40.8	5.00	10.0	"	"	40.0	ND	102	"	---	---	
Methyl tert-butyl ether (MTBE)	21.0	0.500	1.00	"	"	20.0	ND	105	"	---	---	
Methylene chloride	25.5	2.50	5.00	"	"	"	ND	127	"	---	---	
Naphthalene	22.0	1.00	2.00	"	"	"	ND	110	"	---	---	
n-Propylbenzene	22.2	0.250	0.500	"	"	"	ND	111	"	---	---	
Styrene	19.0	0.500	1.00	"	"	"	ND	95	"	---	---	
1,1,1,2-Tetrachloroethane	20.4	0.250	0.500	"	"	"	ND	102	"	---	---	
1,1,2,2-Tetrachloroethane	25.6	0.250	0.500	"	"	"	ND	128	"	---	---	Q-41
Tetrachloroethene (PCE)	18.3	0.250	0.500	"	"	"	ND	92	"	---	---	
Toluene	21.0	0.500	1.00	"	"	"	ND	105	"	---	---	
1,2,3-Trichlorobenzene	19.4	1.00	2.00	"	"	"	ND	97	"	---	---	
1,2,4-Trichlorobenzene	19.1	1.00	2.00	"	"	"	ND	95	"	---	---	
1,1,1-Trichloroethane	21.8	0.250	0.500	"	"	"	0.360	107	"	---	---	
1,1,2-Trichloroethane	22.0	0.250	0.500	"	"	"	ND	110	"	---	---	
Trichloroethene (TCE)	21.9	0.250	0.500	"	"	"	ND	109	"	---	---	
Trichlorofluoromethane	21.5	1.00	2.00	"	"	"	ND	108	"	---	---	
1,2,3-Trichloropropane	21.9	0.500	1.00	"	"	"	ND	109	"	---	---	
1,2,4-Trimethylbenzene	22.1	0.500	1.00	"	"	"	ND	110	"	---	---	
1,3,5-Trimethylbenzene	21.7	0.500	1.00	"	"	"	ND	109	"	---	---	
Vinyl chloride	23.7	0.250	0.500	"	"	"	ND	119	"	---	---	
m,p-Xylene	41.1	0.500	1.00	"	"	40.0	ND	103	"	---	---	
o-Xylene	20.9	0.250	0.500	"	"	20.0	ND	105	"	---	---	

Surr: Dibromofluoromethane (Surr)	*Recovery: 109 %*	*Limits: 80-120 %*	*Dilution: 1x*	
1,4-Difluorobenzene (Surr)	*113 %*	*80-120 %*	"	
Toluene-d8 (Surr)	*103 %*	*80-120 %*	"	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Matrix Spike (5070042-MS1)						Prepared: 07/02/15 14:10	Analyzed: 07/02/15 19:07					
QC Source Sample: MW-36 (A5G0026-06)												
Surr: 4-Bromofluorobenzene (Surr)			*Recovery: 92 %*	*Limits: 80-120 %*			*Dilution: 1x*					

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070133 - EPA 3510C (Acid Extraction)							**Water**					
Blank (5070133-BLK1)					Prepared: 07/07/15 07:20		Analyzed: 07/08/15 11:18					
EPA 8270D												
Acenaphthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Anthracene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0273	0.0545	"	"	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0273	0.0545	"	"	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0273	0.0545	"	"	---	---	---	---	---	---	
Benzo(b+k)fluoranthene(s)	ND	0.0545	0.109	"	"	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Carbazole	ND	0.0273	0.0545	"	"	---	---	---	---	---	---	
Chrysene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Dibenzofuran	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Fluoranthene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Fluorene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0364	0.0727	"	"	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0364	0.0727	"	"	---	---	---	---	---	---	
Naphthalene	ND	0.0364	0.0727	"	"	---	---	---	---	---	---	
Phenanthrene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Pyrene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 86 %*	*Limits: 44-120 %*			*Dilution: 1x*					
2-Fluorobiphenyl (Surr)			*67 %*	*44-120 %*			*"*					
p-Terphenyl-d14 (Surr)			*98 %*	*50-133 %*			*"*					
LCS (5070133-BS1)					Prepared: 07/07/15 07:20		Analyzed: 07/08/15 11:55					
EPA 8270D												
Acenaphthene	6.11	0.0200	0.0400	ug/L	1	8.00	---	76	47-122%	---	---	
Acenaphthylene	6.69	0.0200	0.0400	"	"	"	---	84	41-130%	---	---	
Anthracene	8.04	0.0200	0.0400	"	"	"	---	100	57-123%	---	---	
Benz(a)anthracene	8.14	0.0200	0.0400	"	"	"	---	102	58-125%	---	---	

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070133 - EPA 3510C (Acid Extraction)							**Water**					
LCS (5070133-BS1)					Prepared: 07/07/15 07:20		Analyzed: 07/08/15 11:55					
Benzo(a)pyrene	8.38	0.0300	0.0600	ug/L	"	"	---	105	54-128%	---	---	
Benzo(b)fluoranthene	8.68	0.0300	0.0600	"	"	"	---	108	53-131%	---	---	
Benzo(k)fluoranthene	8.17	0.0300	0.0600	"	"	"	---	102	57-129%	---	---	
Benzo(b+k)fluoranthene(s)	16.8	0.0600	0.120	"	"	16.0	---	105	53-131%	---	---	
Benzo(g,h,i)perylene	8.16	0.0200	0.0400	"	"	8.00	---	102	50-134%	---	---	
Carbazole	7.06	0.0300	0.0600	"	"	"	---	88	60-122%	---	---	
Chrysene	7.84	0.0200	0.0400	"	"	"	---	98	59-123%	---	---	
Dibenz(a,h)anthracene	8.30	0.0200	0.0400	"	"	"	---	104	51-134%	---	---	
Dibenzofuran	6.81	0.0200	0.0400	"	"	"	---	85	53-120%	---	---	
Fluoranthene	8.24	0.0200	0.0400	"	"	"	---	103	57-128%	---	---	
Fluorene	6.74	0.0200	0.0400	"	"	"	---	84	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	8.17	0.0200	0.0400	"	"	"	---	102	52-133%	---	---	
1-Methylnaphthalene	5.12	0.0400	0.0800	"	"	"	---	64	41-120%	---	---	
2-Methylnaphthalene	5.58	0.0400	0.0800	"	"	"	---	70	40-121%	---	---	
Naphthalene	5.10	0.0400	0.0800	"	"	"	---	64	"	---	---	
Phenanthrene	7.30	0.0200	0.0400	"	"	"	---	91	59-120%	---	---	
Pyrene	8.23	0.0200	0.0400	"	"	"	---	103	57-126%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 92 %*	*Limits: 44-120 %*			*Dilution: 1x*					
2-Fluorobiphenyl (Surr)			*79 %*	*44-120 %*			*"*					
p-Terphenyl-d14 (Surr)			*101 %*	*50-133 %*			*"*					
LCS Dup (5070133-BSD1)					Prepared: 07/07/15 07:20		Analyzed: 07/08/15 12:32					Q-19
EPA 8270D												
Acenaphthene	6.64	0.0200	0.0400	ug/L	1	8.00	---	83	47-122%	8	30%	
Acenaphthylene	7.20	0.0200	0.0400	"	"	"	---	90	41-130%	7	30%	
Anthracene	8.28	0.0200	0.0400	"	"	"	---	104	57-123%	3	30%	
Benz(a)anthracene	8.31	0.0200	0.0400	"	"	"	---	104	58-125%	2	30%	
Benzo(a)pyrene	8.45	0.0300	0.0600	"	"	"	---	106	54-128%	0.8	30%	
Benzo(b)fluoranthene	8.78	0.0300	0.0600	"	"	"	---	110	53-131%	1	30%	
Benzo(k)fluoranthene	8.25	0.0300	0.0600	"	"	"	---	103	57-129%	1	30%	
Benzo(b+k)fluoranthene(s)	17.0	0.0600	0.120	"	"	16.0	---	106	53-131%	1	30%	
Benzo(g,h,i)perylene	8.18	0.0200	0.0400	"	"	8.00	---	102	50-134%	0.2	30%	

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Apex Companies, LLC 3015 SW First Avenue Portland, OR 97201	Project: **GWM** Project Number: Gunderson GWM/1935-01/0: Project Manager: Chris Breemer	**Reported:** 07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070133 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (5070133-BSD1)					Prepared: 07/07/15 07:20	Analyzed: 07/08/15 12:32						**Q-19**
Carbazole	7.47	0.0300	0.0600	ug/L	"	"	---	93	60-122%	6	30%	
Chrysene	7.93	0.0200	0.0400	"	"	"	---	99	59-123%	1	30%	
Dibenz(a,h)anthracene	8.34	0.0200	0.0400	"	"	"	---	104	51-134%	0.4	30%	
Dibenzofuran	7.29	0.0200	0.0400	"	"	"	---	91	53-120%	7	30%	
Fluoranthene	8.49	0.0200	0.0400	"	"	"	---	106	57-128%	3	30%	
Fluorene	7.17	0.0200	0.0400	"	"	"	---	90	52-124%	6	30%	
Indeno(1,2,3-cd)pyrene	8.23	0.0200	0.0400	"	"	"	---	103	52-133%	0.7	30%	
1-Methylnaphthalene	5.78	0.0400	0.0800	"	"	"	---	72	41-120%	12	30%	
2-Methylnaphthalene	6.22	0.0400	0.0800	"	"	"	---	78	40-121%	11	30%	
Naphthalene	5.74	0.0400	0.0800	"	"	"	---	72	"	12	30%	
Phenanthrene	7.50	0.0200	0.0400	"	"	"	---	94	59-120%	3	30%	
Pyrene	8.40	0.0200	0.0400	"	"	"	---	105	57-126%	2	30%	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 96 %*	*Limits: 44-120 %*	*Dilution: 1x*
2-Fluorobiphenyl (Surr)	*85 %*	*44-120 %*	*"*
p-Terphenyl-d14 (Surr)	*101 %*	*50-133 %*	*"*

Apex Laboratories

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070123 - EPA 3015A							**Water**					
Blank (5070123-BLK1)					Prepared: 07/06/15 16:15		Analyzed: 07/07/15 17:30					
EPA 6020A												
Antimony	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Arsenic	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Barium	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Cadmium	ND	0.0400	0.200	"	"	---	---	---	---	---	---	
Lead	ND	0.100	0.200	"	"	---	---	---	---	---	---	
Mercury	ND	0.0400	0.0800	"	"	---	---	---	---	---	---	
Zinc	ND	2.00	4.00	"	"	---	---	---	---	---	---	
Blank (5070123-BLK2)					Prepared: 07/06/15 16:15		Analyzed: 07/09/15 15:56					
EPA 6020A												
Chromium	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	Q-16
Copper	ND	0.500	1.00	"	"	---	---	---	---	---	---	Q-16
Manganese	ND	0.500	1.00	"	"	---	---	---	---	---	---	Q-16
Nickel	ND	0.500	2.00	"	"	---	---	---	---	---	---	Q-16
LCS (5070123-BS1)					Prepared: 07/06/15 16:15		Analyzed: 07/07/15 17:33					
EPA 6020A												
Antimony	26.1	0.500	1.00	ug/L	1	27.8	---	94	80-120%	---	---	
Arsenic	53.0	0.500	1.00	"	"	55.6	---	95	"	---	---	
Barium	52.2	0.500	1.00	"	"	"	---	94	"	---	---	
Cadmium	54.8	0.0400	0.200	"	"	"	---	99	"	---	---	
Lead	56.8	0.100	0.200	"	"	"	---	102	"	---	---	
Mercury	1.06	0.0400	0.0800	"	"	1.11	---	96	"	---	---	
Zinc	53.8	2.00	4.00	"	"	55.6	---	97	"	---	---	
LCS (5070123-BS2)					Prepared: 07/06/15 16:15		Analyzed: 07/09/15 15:59					
EPA 6020A												
Chromium	57.1	0.500	1.00	ug/L	1	55.6	---	103	80-120%	---	---	Q-16
Copper	55.0	0.500	1.00	"	"	"	---	99	"	---	---	Q-16
Manganese	58.2	0.500	1.00	"	"	"	---	105	"	---	---	Q-16, Q-41
Nickel	56.2	0.500	2.00	"	"	"	---	101	"	---	---	Q-16

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070156							
A5G0026-01	Water	NWTPH-Dx	06/30/15 14:15	07/07/15 15:30	1060mL/5mL	1000mL/5mL	0.94
A5G0026-11	Water	NWTPH-Dx	06/30/15 08:50	07/07/15 15:30	1060mL/5mL	1000mL/5mL	0.94

Volatile Organic Compounds by EPA 8260B

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070019							
A5G0026-02	Water	EPA 8260B	06/30/15 13:15	07/01/15 19:00	5mL/5mL	5mL/5mL	1.00
A5G0026-04	Water	EPA 8260B	06/30/15 11:00	07/01/15 19:00	5mL/5mL	5mL/5mL	1.00
A5G0026-07	Water	EPA 8260B	06/30/15 09:40	07/01/15 19:00	5mL/5mL	5mL/5mL	1.00
A5G0026-08	Water	EPA 8260B	06/30/15 08:30	07/01/15 19:00	5mL/5mL	5mL/5mL	1.00
A5G0026-09	Water	EPA 8260B	06/30/15 09:10	07/01/15 19:00	5mL/5mL	5mL/5mL	1.00
A5G0026-10	Water	EPA 8260B	06/30/15 09:10	07/01/15 19:00	5mL/5mL	5mL/5mL	1.00
A5G0026-11	Water	EPA 8260B	06/30/15 08:50	07/01/15 19:00	5mL/5mL	5mL/5mL	1.00
Batch: 5070042							
A5G0026-05	Water	EPA 8260B	06/30/15 10:40	07/02/15 14:10	5mL/5mL	5mL/5mL	1.00
A5G0026-06	Water	EPA 8260B	06/30/15 10:15	07/02/15 14:10	5mL/5mL	5mL/5mL	1.00
A5G0026-12	Water	EPA 8260B	06/30/15 10:40	07/02/15 14:10	5mL/5mL	5mL/5mL	1.00

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070133							
A5G0026-03	Water	EPA 8270D	06/30/15 12:15	07/07/15 07:20	1050mL/2mL	1000mL/1mL	1.90

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070123							
A5G0026-01	Water	EPA 6020A	06/30/15 14:15	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00
A5G0026-01RE1	Water	EPA 6020A	06/30/15 14:15	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00
A5G0026-03	Water	EPA 6020A	06/30/15 12:15	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A5G0026-03RE1	Water	EPA 6020A	06/30/15 12:15	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

Notes and Definitions

Qualifiers:

EST	Result reported as an Estimated Value. Initial Calibration criteria failed for this compound. Responses are erratic.
F-11	The hydrocarbon pattern indicates possible weathered diesel, or a contribution from a related component.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
Q-16	Reanalysis of an original Batch QC sample.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.

Notes and Conventions:

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. Results listed as 'wet' or without 'dry'designation are not dry weight corrected.
RPD	Relative Percent Difference
MDL	If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
WMSC	Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
Batch QC	Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
Blank Policy	Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses. For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor. Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
---	QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
***	Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

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Apex Companies, LLC	Project: **GWM**	
3015 SW First Avenue	Project Number: Gunderson GWM/1935-01/0:	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 11:41

APEX

CHAIN OF CUSTODY RECORD

Client Name: Apex Companies
Address: 3015 SW First Ave
City/State/Zip: Portland, OR 97201

Telephone Number: 503.924.4704
Fax No.: 503.943.6357

Analytical Lab: Apex Laboratories
Report To: cbreemer@apexcos.com
Page: 1 of 2

Project Manager: Chris Breemer
Project Name: Gunderson GWM
Project Number: 1935-01/03.032
Sampler Name: Joel Mattschack

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Ice	Methanol	HCl	Sodium Bisulfate	HNO3	Groundwater	Wastewater	Drinking Water	Biosolids	Soil	Other (specify):	VOCs (8260B)	NW-TPHD	PAHs (8270D)	Pthalates (8061A)	PCBs (8082A)	Total Metals (6020)	Mercury (6020)	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
MW-74	6/30/15	1415	7	X			X		X		X	X						X	X					X		X		
MW-21	6/30/15	1315	3	X			X		X			X						X								X		
MW-65	6/30/15	1215	6	X			X		X		X	X						X		X			X			X		
MW-70	6/30/15	1100	3	X			X		X			X						X								X		
MW-27	6/30/15	1040	3	X			X		X			X						X								X		
MW-36	6/30/15	1015	3	X			X		X			X						X								X		
MW-49	6/30/15	940	3	X			X		X			X						X								X		
MW-52	6/30/15	830	3	X			X		X			X						X								X		
MW-62	6/30/15	910	3	X			X		X			X						X								X		
MW-62 DUP	6/30/15	910	3	X			X		X			X						X								X		

Special Instructions: Metals: Antimony, Arsenic, Barium, Cadmium, Chromium, Copper, Lead, Manganese, Nickel, Zinc

Laboratory Comments: Temperature Upon Receipt: N
VOCs Free of Headspace Y

Direct-Bill to Gunderson LLC

Method of Shipment:

Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
Joel M. / Apex	7/1/15	1200	Apex	7-1-15	12:55
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Labs

12232 S.W. Garden Place
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503-718-2323 Phone
503-718-0333 Fax

Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

Project: **GWM**
Project Number: Gunderson GWM/1935-01/0.
Project Manager: Chris Breemer

Reported:
07/15/15 11:41

A5G0026

APEX

Client Name: Apex Companies
Address: 3015 SW First Ave
City/State/Zip: Portland, OR 97201

Telephone Number: 503.926.4704
Fax No.: 503.943.6367

Project Manager: Chris Breemer
Project Name: Gunderson GWM
Project Number: 1935-01/03.032
Sampler Name: Joel Mattscheck

Analytical Lab: Apex Laboratories
Report To: cbreemer@apexcos.com
Page: 2 of 2

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	Preservative: Methanol	Preservative: HCl	Preservative: Sodium Bisulfate	Preservative: HNO3	Matrix: Groundwater	Matrix: Wastewater	Matrix: Drinking Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify)	Analyze For: VOCs (8260B)	Analyze For: NW-TPHD	Analyze For: PAHs (8270D)	Analyze For: Phthalates (8061A)	Analyze For: PCBs (8082A)	Analyze For: Total Metals (6020)	Analyze For: Mercury (6020)	Analyze For: RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
WEX-60	6/30/15	850	5	X			X		X			X						X	X							X		
MW-27 DUP	6/30/15	1040	3	X			X		X			X						X								X		

Special Instructions: Direct-Bill to Gunderson LLC
Metals: Antimony, Arsenic, Barium, Cadmium, Chromium, Copper, Lead, Manganese, Nickel, Zinc

Method of Shipment:

Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
Joel M. / Apex	7/1/15	1200	[signature] / Apex	7-1-15	12:45
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspa Y N

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Wednesday, July 15, 2015

Chris Breemer
Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

RE: Gunderson / 1935-01/03.032

Enclosed are the results of analyses for work order A5G0043, which was received by the laboratory on 6/29/2015 at 10:00:00AM.

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

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

Apex Labs

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-72	A5G0043-01	Water	06/26/15 08:33	06/29/15 10:00
MW-10	A5G0043-02	Water	06/26/15 09:10	06/29/15 10:00
MW-77	A5G0043-03	Water	06/26/15 09:48	06/29/15 10:00
MW-79	A5G0043-04	Water	06/26/15 10:41	06/29/15 10:00
MW-73	A5G0043-05	Water	06/26/15 11:48	06/29/15 10:00
MW-44	A5G0043-06	Water	06/26/15 13:10	06/29/15 10:00
MW-51	A5G0043-07	Water	06/26/15 13:45	06/29/15 10:00

Apex Laboratories

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-72 (A5G0043-01RE1)			**Matrix: Water**		**Batch: 5070097**			
Diesel	**0.389**	0.0943	0.189	mg/L	1	07/07/15 11:31	NWTPH-Dx	F-11
Oil	ND	0.189	0.377	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 94 %*	*Limits: 50-150 %*	"	"	"	
MW-10 (A5G0043-02RE1)			**Matrix: Water**		**Batch: 5070097**			
Diesel	**1.42**	0.0943	0.189	mg/L	1	07/07/15 11:51	NWTPH-Dx	F-11
Oil	ND	0.189	0.377	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 106 %*	*Limits: 50-150 %*	"	"	"	
MW-77 (A5G0043-03RE1)			**Matrix: Water**		**Batch: 5070097**			
Diesel	**1.38**	0.0943	0.189	mg/L	1	07/07/15 12:11	NWTPH-Dx	F-11
Oil	ND	0.189	0.377	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 100 %*	*Limits: 50-150 %*	"	"	"	
MW-79 (A5G0043-04RE1)			**Matrix: Water**		**Batch: 5070097**			
Diesel	**0.363**	0.0943	0.189	mg/L	1	07/07/15 11:31	NWTPH-Dx	F-11
Oil	ND	0.189	0.377	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 102 %*	*Limits: 50-150 %*	"	"	"	
MW-73 (A5G0043-05RE1)			**Matrix: Water**		**Batch: 5070097**			
Diesel	**1.68**	0.0943	0.189	mg/L	1	07/07/15 11:51	NWTPH-Dx	F-13
Oil	ND	0.189	0.377	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 97 %*	*Limits: 50-150 %*	"	"	"	

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-44 (A5G0043-06)			**Matrix: Water**		**Batch: 5070042**			
Acetone	ND	10.0	20.0	ug/L	1	07/02/15 14:56	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	0.500	1.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.250	0.500	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	ND	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	ND	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-44 (A5G0043-06)			**Matrix: Water**		**Batch: 5070042**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	ND	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 107 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*114 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*105 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*97 %*	*Limits: 80-120 %*	"	"	"	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-51 (A5G0043-07)			**Matrix: Water**		**Batch: 5070042**			
Acetone	ND	10.0	20.0	ug/L	1	07/02/15 15:27	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	0.500	1.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.250	0.500	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**4.49**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**2.44**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-51 (A5G0043-07)			**Matrix: Water**		**Batch: 5070042**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**1.92**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	**1.03**	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	ND	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 109 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*115 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*97 %*	*Limits: 80-120 %*	"	"	"	

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-72 (A5G0043-01RE1)			**Matrix: Water**		**Batch: 5070067**			**R-04**
Acenaphthene	**0.0628**	0.0377	0.0755	ug/L	4	07/06/15 11:39	EPA 8270D	J
Acenaphthylene	ND	0.0377	0.0755	"	"	"	"	
Anthracene	ND	0.0377	0.0755	"	"	"	"	
Benz(a)anthracene	ND	0.0377	0.0755	"	"	"	"	
Benzo(a)pyrene	ND	0.0566	0.113	"	"	"	"	
Benzo(b)fluoranthene	ND	0.0566	0.113	"	"	"	"	
Benzo(k)fluoranthene	ND	0.0566	0.113	"	"	"	"	
Benzo(g,h,i)perylene	ND	0.0377	0.0755	"	"	"	"	
Chrysene	ND	0.0377	0.0755	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.0377	0.0755	"	"	"	"	
Fluoranthene	ND	0.0377	0.0755	"	"	"	"	
Fluorene	**0.0422**	0.0377	0.0755	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.0377	0.0755	"	"	"	"	
1-Methylnaphthalene	ND	0.0755	0.151	"	"	"	"	
2-Methylnaphthalene	ND	0.0755	0.151	"	"	"	"	
Naphthalene	ND	0.0755	0.151	"	"	"	"	
Phenanthrene	**0.0750**	0.0377	0.0755	"	"	"	"	J
Pyrene	ND	0.0377	0.0755	"	"	"	"	
Carbazole	ND	0.0566	0.113	"	"	"	"	
Dibenzofuran	ND	0.0377	0.0755	"	"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)			*Recovery: 75 %*	*Limits: 44-120 %*	"	"	"	*Q-41*
2-Fluorobiphenyl (Surr)			*65 %*	*Limits: 44-120 %*	"	"	"	
Phenol-d6 (Surr)			*25 %*	*Limits: 10-120 %*	"	"	"	
p-Terphenyl-d14 (Surr)			*90 %*	*Limits: 50-133 %*	"	"	"	
2-Fluorophenol (Surr)			*41 %*	*Limits: 19-120 %*	"	"	"	*Q-41*
2,4,6-Tribromophenol (Surr)			*95 %*	*Limits: 43-140 %*	"	"	"	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-79 (A5G0043-04RE1)			**Matrix: Water**		**Batch: 5070067**			**R-04**
Acenaphthene	ND	0.0377	0.0755	ug/L	4	07/06/15 10:21	EPA 8270D	
Acenaphthylene	ND	0.0377	0.0755	"	"	"	"	
Anthracene	**0.0457**	0.0377	0.0755	"	"	"	"	J
Benz(a)anthracene	ND	0.0377	0.0755	"	"	"	"	
Benzo(a)pyrene	ND	0.0566	0.113	"	"	"	"	
Benzo(b)fluoranthene	ND	0.0566	0.113	"	"	"	"	
Benzo(k)fluoranthene	ND	0.0566	0.113	"	"	"	"	
Benzo(g,h,i)perylene	ND	0.0377	0.0755	"	"	"	"	
Chrysene	ND	0.0377	0.0755	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.0377	0.0755	"	"	"	"	
Fluoranthene	ND	0.0377	0.0755	"	"	"	"	
Fluorene	ND	0.0377	0.0755	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.0377	0.0755	"	"	"	"	
1-Methylnaphthalene	ND	0.0755	0.151	"	"	"	"	
2-Methylnaphthalene	ND	0.0755	0.151	"	"	"	"	
Naphthalene	**0.0889**	0.0755	0.151	"	"	"	"	J
Phenanthrene	ND	0.0377	0.0755	"	"	"	"	
Pyrene	ND	0.0377	0.0755	"	"	"	"	
Carbazole	ND	0.0566	0.113	"	"	"	"	
Dibenzofuran	ND	0.0377	0.0755	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.755	1.51	"	"	"	"	
Butyl benzyl phthalate	ND	0.755	1.51	"	"	"	"	
Diethylphthalate	ND	0.755	1.51	"	"	"	"	
Dimethylphthalate	ND	0.755	1.51	"	"	"	"	
Di-n-butylphthalate	ND	0.755	1.51	"	"	"	"	
Di-n-octyl phthalate	ND	0.755	1.51	"	"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)			*Recovery: 77 %*	*Limits: 44-120 %*	"	"	"	*Q-41*
2-Fluorobiphenyl (Surr)			*67 %*	*Limits: 44-120 %*	"	"	"	
Phenol-d6 (Surr)			*24 %*	*Limits: 10-120 %*	"	"	"	
p-Terphenyl-d14 (Surr)			*78 %*	*Limits: 50-133 %*	"	"	"	
2-Fluorophenol (Surr)			*40 %*	*Limits: 19-120 %*	"	"	"	*Q-41*
2,4,6-Tribromophenol (Surr)			*89 %*	*Limits: 43-140 %*	"	"	"	

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3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-73 (A5G0043-05RE1)			**Matrix: Water**		**Batch: 5070067**			
Acenaphthene	**0.149**	0.0943	0.189	ug/L	10	07/06/15 11:00	EPA 8270D	J
Acenaphthylene	ND	0.0943	0.189	"	"	"	"	
Anthracene	ND	0.0943	0.189	"	"	"	"	
Benz(a)anthracene	ND	0.0943	0.189	"	"	"	"	
Benzo(a)pyrene	ND	0.142	0.283	"	"	"	"	
Benzo(b)fluoranthene	ND	0.142	0.283	"	"	"	"	
Benzo(k)fluoranthene	ND	0.142	0.283	"	"	"	"	
Benzo(g,h,i)perylene	ND	0.0943	0.189	"	"	"	"	
Chrysene	ND	0.0943	0.189	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.0943	0.189	"	"	"	"	
Fluoranthene	ND	0.0943	0.189	"	"	"	"	
Fluorene	ND	0.0943	0.189	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.0943	0.189	"	"	"	"	
1-Methylnaphthalene	**0.747**	0.189	0.377	"	"	"	"	
2-Methylnaphthalene	**0.437**	0.189	0.377	"	"	"	"	
Naphthalene	ND	0.189	0.377	"	"	"	"	
Phenanthrene	ND	0.0943	0.189	"	"	"	"	
Pyrene	ND	0.0943	0.189	"	"	"	"	
Carbazole	ND	0.142	0.283	"	"	"	"	
Dibenzofuran	ND	0.0943	0.189	"	"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)			*Recovery: 60 %*	*Limits: 44-120 %*	"	"	"	*Q-41*
2-Fluorobiphenyl (Surr)			*52 %*	*Limits: 44-120 %*	"	"	"	
Phenol-d6 (Surr)			*17 %*	*Limits: 10-120 %*	"	"	"	
p-Terphenyl-d14 (Surr)			*75 %*	*Limits: 50-133 %*	"	"	"	
2-Fluorophenol (Surr)			*33 %*	*Limits: 19-120 %*	"	"	"	*Q-41*
2,4,6-Tribromophenol (Surr)			*97 %*	*Limits: 43-140 %*	"	"	"	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-72 (A5G0043-01)			**Matrix: Water**					
Batch: 5070123								
Antimony	ND	0.500	1.00	ug/L	1	07/07/15 17:39	EPA 6020A	
Arsenic	**6.58**	0.500	1.00	"	"	"	"	
Barium	**197**	0.500	1.00	"	"	"	"	
Cadmium	ND	0.0400	0.200	"	"	"	"	
Lead	ND	0.100	0.200	"	"	"	"	
Mercury	ND	0.0400	0.0800	"	"	"	"	
Zinc	ND	2.00	4.00	"	"	"	"	
MW-72 (A5G0043-01RE1)			**Matrix: Water**					
Batch: 5070123								
Chromium	**0.889**	0.500	1.00	ug/L	1	07/09/15 16:08	EPA 6020A	J
Copper	**1.06**	0.500	1.00	"	"	"	"	
Manganese	**1910**	5.00	10.0	"	10	07/09/15 19:18	"	Q-42
Nickel	**1.86**	0.500	2.00	"	1	07/09/15 16:08	"	J
MW-10 (A5G0043-02)			**Matrix: Water**					
Batch: 5070123								
Antimony	ND	0.500	1.00	ug/L	1	07/09/15 16:26	EPA 6020A	
Arsenic	**2.71**	0.500	1.00	"	"	"	"	
Barium	**67.8**	0.500	1.00	"	"	"	"	
Cadmium	**0.0667**	0.0400	0.200	"	"	"	"	J
Chromium	ND	0.500	1.00	"	"	"	"	
Copper	ND	0.500	1.00	"	"	"	"	
Lead	**0.222**	0.100	0.200	"	"	"	"	
Mercury	ND	0.0400	0.0800	"	"	"	"	
Nickel	**0.889**	0.500	2.00	"	"	"	"	J
Zinc	**2.90**	2.00	4.00	"	"	"	"	J
MW-10 (A5G0043-02RE1)			**Matrix: Water**					
Batch: 5070123								
Manganese	**2670**	5.00	10.0	ug/L	10	07/09/15 21:56	EPA 6020A	
MW-77 (A5G0043-03)			**Matrix: Water**					
Batch: 5070123								
Antimony	ND	0.500	1.00	ug/L	1	07/09/15 16:29	EPA 6020A	
Arsenic	**14.5**	0.500	1.00	"	"	"	"	
Barium	**141**	0.500	1.00	"	"	"	"	
Cadmium	**0.0778**	0.0400	0.200	"	"	"	"	J

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-77 (A5G0043-03)			**Matrix: Water**					
Chromium	**0.811**	0.500	1.00	ug/L	1	"	EPA 6020A	J
Copper	**0.544**	0.500	1.00	"	"	"	"	J
Lead	**0.311**	0.100	0.200	"	"	"	"	
Mercury	ND	0.0400	0.0800	"	"	"	"	
Nickel	**1.21**	0.500	2.00	"	"	"	"	J
Zinc	**2.97**	2.00	4.00	"	"	"	"	J
MW-77 (A5G0043-03RE1)			**Matrix: Water**					
Batch: 5070123								
Manganese	**1500**	5.00	10.0	ug/L	10	07/09/15 21:59	EPA 6020A	
MW-79 (A5G0043-04)			**Matrix: Water**					
Batch: 5070123								
Antimony	**77.5**	0.500	1.00	ug/L	1	07/09/15 16:32	EPA 6020A	
Arsenic	**1.42**	0.500	1.00	"	"	"	"	
Barium	**230**	0.500	1.00	"	"	"	"	
Cadmium	ND	0.0400	0.200	"	"	"	"	
Chromium	ND	0.500	1.00	"	"	"	"	
Copper	**0.556**	0.500	1.00	"	"	"	"	J
Lead	**0.244**	0.100	0.200	"	"	"	"	
Manganese	**573**	0.500	1.00	"	"	"	"	
Mercury	ND	0.0400	0.0800	"	"	"	"	
Nickel	**2.88**	0.500	2.00	"	"	"	"	
Zinc	**11.2**	2.00	4.00	"	"	"	"	
MW-73 (A5G0043-05)			**Matrix: Water**					
Batch: 5070123								
Antimony	**0.500**	0.500	1.00	ug/L	1	07/09/15 16:35	EPA 6020A	J
Arsenic	**2.90**	0.500	1.00	"	"	"	"	
Barium	**281**	0.500	1.00	"	"	"	"	
Cadmium	**0.100**	0.0400	0.200	"	"	"	"	J
Chromium	**1.27**	0.500	1.00	"	"	"	"	
Copper	**2.60**	0.500	1.00	"	"	"	"	
Lead	**3.26**	0.100	0.200	"	"	"	"	
Mercury	ND	0.0400	0.0800	"	"	"	"	
Nickel	**5.43**	0.500	2.00	"	"	"	"	
Zinc	**19.5**	2.00	4.00	"	"	"	"	
MW-73 (A5G0043-05RE1)			**Matrix: Water**					

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3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-73 (A5G0043-05RE1)			**Matrix: Water**					
Batch: 5070123								
Manganese	**2110**	5.00	10.0	ug/L	10	07/09/15 22:02	EPA 6020A	

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Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070097 - EPA 3510C (Fuels/Acid Ext.)							**Water**					
Blank (5070097-BLK1)					Prepared: 07/06/15 08:48		Analyzed: 07/07/15 00:42					
NWTPH-Dx												
Diesel	ND	0.0909	0.182	mg/L	1	---	---	---	---	---	---	
Oil	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 97 %*	*Limits: 50-150 %*			*Dilution: 1x*					
LCS (5070097-BS1)					Prepared: 07/06/15 08:48		Analyzed: 07/07/15 01:08					
NWTPH-Dx												
Diesel	1.08	0.100	0.200	mg/L	1	1.25	---	86	58-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 96 %*	*Limits: 50-150 %*			*Dilution: 1x*					
LCS Dup (5070097-BSD1)					Prepared: 07/06/15 08:48		Analyzed: 07/07/15 01:33					**Q-19**
NWTPH-Dx												
Diesel	1.09	0.100	0.200	mg/L	1	1.25	---	87	58-115%	1	20%	
Surr: o-Terphenyl (Surr)			*Recovery: 98 %*	*Limits: 50-150 %*			*Dilution: 1x*					

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3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Blank (5070042-BLK1)					Prepared: 07/02/15 12:00 Analyzed: 07/02/15 14:27							
EPA 8260B												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.125	0.250	"	"	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	"	"	---	---	---	---	---	---	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	"	"	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	"	"	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.250	0.500	"	"	---	---	---	---	---	---	

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3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Blank (5070042-BLK1)					Prepared: 07/02/15 12:00 Analyzed: 07/02/15 14:27							
cis-1,2-Dichloroethene	ND	0.250	0.500	ug/L	"	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,2-Dichloropropane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	"	"	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	"	"	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Methylene chloride	ND	2.50	5.00	"	"	---	---	---	---	---	---	
Naphthalene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	---	---	---	---	---	---	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Blank (5070042-BLK1)					Prepared: 07/02/15 12:00 Analyzed: 07/02/15 14:27							
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Vinyl chloride	ND	0.250	0.500	"	"	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Surr: Dibromofluoromethane (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Surr)			*114 %*		*80-120 %*			*"*				
Toluene-d8 (Surr)			*105 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*			*"*				
LCS (5070042-BS1)					Prepared: 07/02/15 12:00 Analyzed: 07/02/15 13:29							
EPA 8260B												
Acetone	45.5	10.0	20.0	ug/L	1	40.0	---	114	70-130%	---	---	
Benzene	24.0	0.125	0.250	"	"	20.0	---	120	"	---	---	
Bromobenzene	19.5	0.250	0.500	"	"	"	---	97	"	---	---	
Bromochloromethane	21.1	0.500	1.00	"	"	"	---	106	"	---	---	
Bromodichloromethane	20.6	0.500	1.00	"	"	"	---	103	"	---	---	
Bromoform	19.6	0.500	1.00	"	"	"	---	98	"	---	---	
Bromomethane	12.8	5.00	5.00	"	"	"	---	64	"	---	---	Q-31
2-Butanone (MEK)	51.4	5.00	10.0	"	"	40.0	---	128	"	---	---	
n-Butylbenzene	23.6	0.500	1.00	"	"	20.0	---	118	"	---	---	
sec-Butylbenzene	23.1	0.500	1.00	"	"	"	---	116	"	---	---	
tert-Butylbenzene	21.6	0.500	1.00	"	"	"	---	108	"	---	---	
Carbon tetrachloride	19.3	0.250	0.500	"	"	"	---	96	"	---	---	
Chlorobenzene	20.3	0.250	0.500	"	"	"	---	102	"	---	---	
Chloroethane	14.1	5.00	5.00	"	"	"	---	70	"	---	---	
Chloroform	21.7	0.500	1.00	"	"	"	---	108	"	---	---	
Chloromethane	21.0	2.50	5.00	"	"	"	---	105	"	---	---	
2-Chlorotoluene	21.6	0.500	1.00	"	"	"	---	108	"	---	---	
4-Chlorotoluene	22.6	0.500	1.00	"	"	"	---	113	"	---	---	
1,2-Dibromo-3-chloropropane	22.5	2.50	5.00	"	"	"	---	112	"	---	---	

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Apex Companies, LLC 3015 SW First Avenue Portland, OR 97201	Project: **Gunderson** Project Number: 1935-01/03.032 Project Manager: Chris Breemer	**Reported:** 07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
LCS (5070042-BS1)					Prepared: 07/02/15 12:00		Analyzed: 07/02/15 13:29					
Dibromochloromethane	18.8	0.500	1.00	ug/L	"	"	---	94	"	---	---	
1,2-Dibromoethane (EDB)	22.0	0.250	0.500	"	"	"	---	110	"	---	---	
Dibromomethane	20.8	0.500	1.00	"	"	"	---	104	"	---	---	
1,2-Dichlorobenzene	21.8	0.250	0.500	"	"	"	---	109	"	---	---	
1,3-Dichlorobenzene	21.4	0.250	0.500	"	"	"	---	107	"	---	---	
1,4-Dichlorobenzene	20.7	0.250	0.500	"	"	"	---	104	"	---	---	
Dichlorodifluoromethane	18.6	0.500	1.00	"	"	"	---	93	"	---	---	
1,1-Dichloroethane	22.3	0.250	0.500	"	"	"	---	112	"	---	---	
1,2-Dichloroethane (EDC)	18.7	0.250	0.500	"	"	"	---	94	"	---	---	
1,1-Dichloroethene	19.5	0.250	0.500	"	"	"	---	97	"	---	---	
cis-1,2-Dichloroethene	21.6	0.250	0.500	"	"	"	---	108	"	---	---	
trans-1,2-Dichloroethene	21.5	0.250	0.500	"	"	"	---	107	"	---	---	
1,2-Dichloropropane	23.6	0.250	0.500	"	"	"	---	118	"	---	---	
1,3-Dichloropropane	21.8	0.500	1.00	"	"	"	---	109	"	---	---	
2,2-Dichloropropane	18.1	0.500	1.00	"	"	"	---	91	"	---	---	
1,1-Dichloropropene	21.9	0.500	1.00	"	"	"	---	110	"	---	---	
cis-1,3-Dichloropropene	19.1	0.500	1.00	"	"	"	---	95	"	---	---	
trans-1,3-Dichloropropene	18.2	0.500	1.00	"	"	"	---	91	"	---	---	
Ethylbenzene	20.6	0.250	0.500	"	"	"	---	103	"	---	---	
Hexachlorobutadiene	19.0	2.50	5.00	"	"	"	---	95	"	---	---	
2-Hexanone	44.7	5.00	10.0	"	"	40.0	---	112	"	---	---	
Isopropylbenzene	21.2	0.500	1.00	"	"	20.0	---	106	"	---	---	
4-Isopropyltoluene	22.2	0.500	1.00	"	"	"	---	111	"	---	---	
4-Methyl-2-pentanone (MiBK)	42.1	5.00	10.0	"	"	40.0	---	105	"	---	---	
Methyl tert-butyl ether (MTBE)	21.5	0.500	1.00	"	"	20.0	---	107	"	---	---	
Methylene chloride	24.2	2.50	5.00	"	"	"	---	121	"	---	---	
Naphthalene	23.1	1.00	2.00	"	"	"	---	115	"	---	---	
n-Propylbenzene	22.4	0.250	0.500	"	"	"	---	112	"	---	---	
Styrene	19.7	0.500	1.00	"	"	"	---	98	"	---	---	
1,1,1,2-Tetrachloroethane	20.1	0.250	0.500	"	"	"	---	100	"	---	---	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
LCS (5070042-BS1)					Prepared: 07/02/15 12:00		Analyzed: 07/02/15 13:29					
1,1,2,2-Tetrachloroethane	26.8	0.250	0.500	"	"	"	---	134	"	---	---	Q-41
Tetrachloroethene (PCE)	18.2	0.250	0.500	"	"	"	---	91	"	---	---	
Toluene	20.6	0.500	1.00	"	"	"	---	103	"	---	---	
1,2,3-Trichlorobenzene	20.4	1.00	2.00	"	"	"	---	102	"	---	---	
1,2,4-Trichlorobenzene	20.5	1.00	2.00	"	"	"	---	103	"	---	---	
1,1,1-Trichloroethane	19.7	0.250	0.500	"	"	"	---	98	"	---	---	
1,1,2-Trichloroethane	22.6	0.250	0.500	"	"	"	---	113	"	---	---	
Trichloroethene (TCE)	20.8	0.250	0.500	"	"	"	---	104	"	---	---	
Trichlorofluoromethane	18.2	1.00	2.00	"	"	"	---	91	"	---	---	
1,2,3-Trichloropropane	22.6	0.500	1.00	"	"	"	---	113	"	---	---	
1,2,4-Trimethylbenzene	23.0	0.500	1.00	"	"	"	---	115	"	---	---	
1,3,5-Trimethylbenzene	22.1	0.500	1.00	"	"	"	---	111	"	---	---	
Vinyl chloride	20.8	0.250	0.500	"	"	"	---	104	"	---	---	
m,p-Xylene	40.6	0.500	1.00	"	"	40.0	---	101	"	---	---	
o-Xylene	20.9	0.250	0.500	"	"	20.0	---	105	"	---	---	
Surr: Dibromofluoromethane (Surr)			*Recovery: 106 %*		*Limits: 80-120 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Surr)			*112 %*		*80-120 %*			*"*				
Toluene-d8 (Surr)			*103 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*93 %*		*80-120 %*			*"*				
Duplicate (5070042-DUP1)					Prepared: 07/02/15 14:10		Analyzed: 07/02/15 15:58					
QC Source Sample: MW-51 (A5G0043-07)												
EPA 8260B												
Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	0.125	0.250	"	"	---	ND	---	---	---	30%	
Bromobenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Bromoform	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	"	"	---	ND	---	---	---	30%	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	

Apex Laboratories

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Duplicate (5070042-DUP1)					Prepared: 07/02/15 14:10		Analyzed: 07/02/15 15:58					
QC Source Sample: MW-51 (A5G0043-07)												
sec-Butylbenzene	ND	0.500	1.00	ug/L	"	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	"	"	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Chloromethane	ND	2.50	5.00	"	"	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,1-Dichloroethane	**4.51**	0.250	0.500	"	"	---	4.49	---	---	0.4	30%	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,1-Dichloroethene	**2.48**	0.250	0.500	"	"	---	2.44	---	---	2	30%	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Duplicate (5070042-DUP1)					Prepared: 07/02/15 14:10 Analyzed: 07/02/15 15:58							
QC Source Sample: MW-51 (A5G0043-07)												
Hexachlorobutadiene	ND	2.50	5.00	ug/L	"	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	"	"	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Methylene chloride	ND	2.50	5.00	"	"	---	ND	---	---	---	30%	
Naphthalene	ND	1.00	2.00	"	"	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	**1.91**	0.250	0.500	"	"	---	1.92	---	---	0.5	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Trichloroethene (TCE)	**1.02**	0.250	0.500	"	"	---	1.03	---	---	1	30%	
Trichlorofluoromethane	ND	1.00	2.00	"	"	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	

Surr: Dibromofluoromethane (Surr)	*Recovery: 111 %*	*Limits: 80-120 %*	*Dilution: 1x*
1,4-Difluorobenzene (Surr)	*115 %*	*80-120 %*	"
Toluene-d8 (Surr)	*106 %*	*80-120 %*	"

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070042 - EPA 5030B							**Water**					
Duplicate (5070042-DUP1)						Prepared: 07/02/15 14:10 Analyzed: 07/02/15 15:58						
QC Source Sample: MW-51 (A5G0043-07)												
Surr: 4-Bromofluorobenzene (Surr)			*Recovery: 95 %*	*Limits: 80-120 %*			*Dilution: 1x*					

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070067 - EPA 3510C (Acid Extraction)							**Water**					
Blank (5070067-BLK1)					Prepared: 07/02/15 14:09 Analyzed: 07/02/15 17:05							
EPA 8270D												
Acenaphthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Anthracene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0136	0.0273	"	"	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0136	0.0273	"	"	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0136	0.0273	"	"	---	---	---	---	---	---	
Benzo(b+k)fluoranthene(s)	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Chrysene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Fluoranthene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Fluorene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Naphthalene	ND	0.0182	0.0364	"	"	---	---	---	---	---	---	
Phenanthrene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Pyrene	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Carbazole	ND	0.0136	0.0273	"	"	---	---	---	---	---	---	
Dibenzofuran	ND	0.00909	0.0182	"	"	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Diethylphthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Dimethylphthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Di-n-butylphthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 104 %*	*Limits: 44-120 %*	*Dilution: 1x*
2-Fluorobiphenyl (Surr)	*84 %*	*44-120 %*	*"*
Phenol-d6 (Surr)	*32 %*	*10-120 %*	*"*

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070067 - EPA 3510C (Acid Extraction)							**Water**					
Blank (5070067-BLK1)					Prepared: 07/02/15 14:09		Analyzed: 07/02/15 17:05					
Surr: p-Terphenyl-d14 (Surr)			*Recovery: 115 %*		*Limits: 50-133 %*		*Dilution: 1x*					
2-Fluorophenol (Surr)			*60 %*		*19-120 %*		*"*					
2,4,6-Tribromophenol (Surr)			*87 %*		*43-140 %*		*"*					
LCS (5070067-BS1)					Prepared: 07/02/15 14:09		Analyzed: 07/02/15 17:43					
EPA 8270D												
Acenaphthene	3.85	0.0400	0.0800	ug/L	4	4.00	---	96	47-122%	---	---	
Acenaphthylene	3.92	0.0400	0.0800	"	"	"	---	98	41-130%	---	---	
Anthracene	4.20	0.0400	0.0800	"	"	"	---	105	57-123%	---	---	
Benz(a)anthracene	4.17	0.0400	0.0800	"	"	"	---	104	58-125%	---	---	
Benzo(a)pyrene	4.66	0.0600	0.120	"	"	"	---	116	54-128%	---	---	
Benzo(b)fluoranthene	4.61	0.0600	0.120	"	"	"	---	115	53-131%	---	---	
Benzo(k)fluoranthene	4.38	0.0600	0.120	"	"	"	---	110	57-129%	---	---	
Benzo(b+k)fluoranthene(s)	9.01	0.0800	0.160	"	"	8.00	---	113	53-131%	---	---	
Benzo(g,h,i)perylene	4.24	0.0400	0.0800	"	"	4.00	---	106	50-134%	---	---	
Chrysene	3.99	0.0400	0.0800	"	"	"	---	100	59-123%	---	---	
Dibenz(a,h)anthracene	4.24	0.0400	0.0800	"	"	"	---	106	51-134%	---	---	
Fluoranthene	4.30	0.0400	0.0800	"	"	"	---	108	57-128%	---	---	
Fluorene	3.91	0.0400	0.0800	"	"	"	---	98	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	4.06	0.0400	0.0800	"	"	"	---	102	52-133%	---	---	
1-Methylnaphthalene	3.65	0.0800	0.160	"	"	"	---	91	41-120%	---	---	
2-Methylnaphthalene	3.74	0.0800	0.160	"	"	"	---	94	40-121%	---	---	
Naphthalene	3.61	0.0800	0.160	"	"	"	---	90	"	---	---	
Phenanthrene	4.11	0.0400	0.0800	"	"	"	---	103	59-120%	---	---	
Pyrene	4.32	0.0400	0.0800	"	"	"	---	108	57-126%	---	---	
Carbazole	3.91	0.0600	0.120	"	"	"	---	98	60-122%	---	---	
Dibenzofuran	3.75	0.0400	0.0800	"	"	"	---	94	53-120%	---	---	
Bis(2-ethylhexyl)phthalate	4.85	0.800	1.60	"	"	"	---	121	55-135%	---	---	
Butyl benzyl phthalate	5.03	0.800	1.60	"	"	"	---	126	53-134%	---	---	
Diethylphthalate	4.33	0.800	1.60	"	"	"	---	108	55-125%	---	---	
Dimethylphthalate	4.33	0.800	1.60	"	"	"	---	108	45-127%	---	---	
Di-n-butylphthalate	5.10	0.800	1.60	"	"	"	---	127	59-127%	---	---	

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3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070067 - EPA 3510C (Acid Extraction)							**Water**					
LCS (5070067-BS1)					Prepared: 07/02/15 14:09	Analyzed: 07/02/15 17:43						
Di-n-octyl phthalate	5.59	0.800	1.60	ug/L	"	"	---	140	51-140%	---	---	Q-41
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 101 %*	*Limits: 44-120 %*			*Dilution: 4x*					
2-Fluorobiphenyl (Surr)			*83 %*	*44-120 %*			"					
Phenol-d6 (Surr)			*31 %*	*10-120 %*			"					
p-Terphenyl-d14 (Surr)			*102 %*	*50-133 %*			"					
2-Fluorophenol (Surr)			*58 %*	*19-120 %*			"					
2,4,6-Tribromophenol (Surr)			*99 %*	*43-140 %*			"					
LCS Dup (5070067-BSD1)					Prepared: 07/02/15 14:09	Analyzed: 07/02/15 18:21						**Q-19**
EPA 8270D												
Acenaphthene	3.87	0.0400	0.0800	ug/L	4	4.00	---	97	47-122%	0.4	30%	
Acenaphthylene	3.94	0.0400	0.0800	"	"	"	---	98	41-130%	0.6	30%	
Anthracene	4.18	0.0400	0.0800	"	"	"	---	104	57-123%	0.5	30%	
Benz(a)anthracene	4.16	0.0400	0.0800	"	"	"	---	104	58-125%	0.3	30%	
Benzo(a)pyrene	4.62	0.0600	0.120	"	"	"	---	116	54-128%	0.8	30%	
Benzo(b)fluoranthene	4.64	0.0600	0.120	"	"	"	---	116	53-131%	0.7	30%	
Benzo(k)fluoranthene	4.45	0.0600	0.120	"	"	"	---	111	57-129%	1	30%	
Benzo(b+k)fluoranthene(s)	9.09	0.0800	0.160	"	"	8.00	---	114	53-131%	0.9	30%	
Benzo(g,h,i)perylene	4.21	0.0400	0.0800	"	"	4.00	---	105	50-134%	0.6	30%	
Chrysene	4.02	0.0400	0.0800	"	"	"	---	101	59-123%	0.9	30%	
Dibenz(a,h)anthracene	4.21	0.0400	0.0800	"	"	"	---	105	51-134%	0.7	30%	
Fluoranthene	4.44	0.0400	0.0800	"	"	"	---	111	57-128%	3	30%	
Fluorene	4.05	0.0400	0.0800	"	"	"	---	101	52-124%	4	30%	
Indeno(1,2,3-cd)pyrene	4.04	0.0400	0.0800	"	"	"	---	101	52-133%	0.6	30%	
1-Methylnaphthalene	3.61	0.0800	0.160	"	"	"	---	90	41-120%	1	30%	
2-Methylnaphthalene	3.72	0.0800	0.160	"	"	"	---	93	40-121%	0.6	30%	
Naphthalene	3.57	0.0800	0.160	"	"	"	---	89	"	1	30%	
Phenanthrene	4.10	0.0400	0.0800	"	"	"	---	102	59-120%	0.4	30%	
Pyrene	4.39	0.0400	0.0800	"	"	"	---	110	57-126%	2	30%	
Carbazole	3.75	0.0600	0.120	"	"	"	---	94	60-122%	4	30%	
Dibenzofuran	3.78	0.0400	0.0800	"	"	"	---	95	53-120%	0.7	30%	
Bis(2-ethylhexyl)phthalate	5.05	0.800	1.60	"	"	"	---	126	55-135%	4	30%	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070067 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (5070067-BSD1)					Prepared: 07/02/15 14:09		Analyzed: 07/02/15 18:21					**Q-19**
Butyl benzyl phthalate	5.22	0.800	1.60	ug/L	"	"	---	131	53-134%	4	30%	
Diethylphthalate	4.53	0.800	1.60	"	"	"	---	113	55-125%	4	30%	
Dimethylphthalate	4.39	0.800	1.60	"	"	"	---	110	45-127%	1	30%	
Di-n-butylphthalate	5.22	0.800	1.60	"	"	"	---	131	59-127%	2	30%	Q-29
Di-n-octyl phthalate	5.81	0.800	1.60	"	"	"	---	145	51-140%	4	30%	Q-29, Q-41

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 99 %*	*Limits: 44-120 %*	*Dilution: 4x*
2-Fluorobiphenyl (Surr)	*81 %*	*44-120 %*	"
Phenol-d6 (Surr)	*30 %*	*10-120 %*	"
p-Terphenyl-d14 (Surr)	*101 %*	*50-133 %*	"
2-Fluorophenol (Surr)	*58 %*	*19-120 %*	"
2,4,6-Tribromophenol (Surr)	*98 %*	*43-140 %*	"

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070123 - EPA 3015A							**Water**					
Blank (5070123-BLK1)					Prepared: 07/06/15 16:15 Analyzed: 07/07/15 17:30							
EPA 6020A												
Antimony	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Arsenic	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Barium	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Cadmium	ND	0.0400	0.200	"	"	---	---	---	---	---	---	
Lead	ND	0.100	0.200	"	"	---	---	---	---	---	---	
Mercury	ND	0.0400	0.0800	"	"	---	---	---	---	---	---	
Zinc	ND	2.00	4.00	"	"	---	---	---	---	---	---	
Blank (5070123-BLK2)					Prepared: 07/06/15 16:15 Analyzed: 07/09/15 15:56							
EPA 6020A												
Chromium	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	Q-16
Copper	ND	0.500	1.00	"	"	---	---	---	---	---	---	Q-16
Manganese	ND	0.500	1.00	"	"	---	---	---	---	---	---	Q-16
Nickel	ND	0.500	2.00	"	"	---	---	---	---	---	---	Q-16
LCS (5070123-BS1)					Prepared: 07/06/15 16:15 Analyzed: 07/07/15 17:33							
EPA 6020A												
Antimony	26.1	0.500	1.00	ug/L	1	27.8	---	94	80-120%	---	---	
Arsenic	53.0	0.500	1.00	"	"	55.6	---	95	"	---	---	
Barium	52.2	0.500	1.00	"	"	"	---	94	"	---	---	
Cadmium	54.8	0.0400	0.200	"	"	"	---	99	"	---	---	
Lead	56.8	0.100	0.200	"	"	"	---	102	"	---	---	
Mercury	1.06	0.0400	0.0800	"	"	1.11	---	96	"	---	---	
Zinc	53.8	2.00	4.00	"	"	55.6	---	97	"	---	---	
LCS (5070123-BS2)					Prepared: 07/06/15 16:15 Analyzed: 07/09/15 15:59							
EPA 6020A												
Chromium	57.1	0.500	1.00	ug/L	1	55.6	---	103	80-120%	---	---	Q-16
Copper	55.0	0.500	1.00	"	"	"	---	99	"	---	---	Q-16
Manganese	58.2	0.500	1.00	"	"	"	---	105	"	---	---	Q-16, Q-41
Nickel	56.2	0.500	2.00	"	"	"	---	101	"	---	---	Q-16

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070123 - EPA 3015A							**Water**					
Duplicate (5070123-DUP1)					Prepared: 07/06/15 16:15		Analyzed: 07/07/15 17:42					
QC Source Sample: MW-72 (A5G0043-01)												
EPA 6020A												
Antimony	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	20%	
Arsenic	**6.44**	0.500	1.00	"	"	---	6.58	---	---	2	20%	
Barium	**199**	0.500	1.00	"	"	---	197	---	---	1	20%	
Cadmium	ND	0.0400	0.200	"	"	---	ND	---	---	---	20%	
Lead	ND	0.100	0.200	"	"	---	ND	---	---	---	20%	
Mercury	ND	0.0400	0.0800	"	"	---	ND	---	---	---	20%	
Zinc	ND	2.00	4.00	"	"	---	ND	---	---	---	20%	
Duplicate (5070123-DUP2)					Prepared: 07/06/15 16:15		Analyzed: 07/09/15 16:20					
QC Source Sample: MW-72 (A5G0043-01RE1)												
EPA 6020A												
Chromium	**0.844**	0.500	1.00	ug/L	1	---	0.889	---	---	5	20%	Q-16, J
Copper	ND	0.500	1.00	"	"	---	1.06	---	---	***	20%	Q-16
Nickel	**1.83**	0.500	2.00	"	"	---	1.86	---	---	1	20%	Q-16, J
Duplicate (5070123-DUP3)					Prepared: 07/06/15 16:15		Analyzed: 07/09/15 19:21					
QC Source Sample: MW-72 (A5G0043-01RE1)												
EPA 6020A												
Manganese	**1950**	5.00	10.0	ug/L	10	---	1910	---	---	2	20%	Q-16
Matrix Spike (5070123-MS1)					Prepared: 07/06/15 16:15		Analyzed: 07/07/15 17:45					
QC Source Sample: MW-72 (A5G0043-01)												
EPA 6020A												
Antimony	26.9	0.500	1.00	ug/L	1	27.8	ND	97	75-125%	---	---	
Arsenic	61.9	0.500	1.00	"	"	55.6	6.58	99	"	---	---	
Barium	258	0.500	1.00	"	"	"	197	111	"	---	---	
Cadmium	56.3	0.0400	0.200	"	"	"	ND	101	"	---	---	
Lead	56.2	0.100	0.200	"	"	"	ND	101	"	---	---	
Mercury	1.11	0.0400	0.0800	"	"	1.11	ND	100	"	---	---	
Zinc	52.7	2.00	4.00	"	"	55.6	ND	95	"	---	---	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070123 - EPA 3015A							**Water**					
Matrix Spike (5070123-MS3)					Prepared: 07/06/15 16:15		Analyzed: 07/09/15 16:23					
QC Source Sample: MW-72 (A5G0043-01RE1)												
EPA 6020A												
Chromium	58.0	0.500	1.00	ug/L	1	55.6	0.889	103	75-125%	---	---	Q-16
Copper	54.4	0.500	1.00	"	"	"	1.06	96	"	---	---	Q-16
Nickel	54.9	0.500	2.00	"	"	"	1.86	95	"	---	---	Q-16
Matrix Spike (5070123-MS5)					Prepared: 07/06/15 16:15		Analyzed: 07/09/15 19:24					
QC Source Sample: MW-72 (A5G0043-01RE1)												
EPA 6020A												
Manganese	2000	5.00	10.0	ug/L	10	55.6	1910	164	75-125%	---	---	Q-03, Q-16

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070097							
A5G0043-01RE1	Water	NWTPH-Dx	06/26/15 08:33	07/06/15 08:48	1060mL/5mL	1000mL/5mL	0.94
A5G0043-02RE1	Water	NWTPH-Dx	06/26/15 09:10	07/06/15 08:48	1060mL/5mL	1000mL/5mL	0.94
A5G0043-03RE1	Water	NWTPH-Dx	06/26/15 09:48	07/06/15 08:48	1060mL/5mL	1000mL/5mL	0.94
A5G0043-04RE1	Water	NWTPH-Dx	06/26/15 10:41	07/06/15 08:48	1060mL/5mL	1000mL/5mL	0.94
A5G0043-05RE1	Water	NWTPH-Dx	06/26/15 11:48	07/06/15 08:48	1060mL/5mL	1000mL/5mL	0.94

Volatile Organic Compounds by EPA 8260B

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070042							
A5G0043-06	Water	EPA 8260B	06/26/15 13:10	07/02/15 14:10	5mL/5mL	5mL/5mL	1.00
A5G0043-07	Water	EPA 8260B	06/26/15 13:45	07/02/15 14:10	5mL/5mL	5mL/5mL	1.00

Semivolatile Organic Compounds by EPA 8270D

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070067							
A5G0043-01RE1	Water	EPA 8270D	06/26/15 08:33	07/02/15 14:09	1060mL/1mL	1000mL/1mL	0.94
A5G0043-04RE1	Water	EPA 8270D	06/26/15 10:41	07/02/15 14:09	1060mL/1mL	1000mL/1mL	0.94
A5G0043-05RE1	Water	EPA 8270D	06/26/15 11:48	07/02/15 14:09	1060mL/1mL	1000mL/1mL	0.94

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070123							
A5G0043-01	Water	EPA 6020A	06/26/15 08:33	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00
A5G0043-01RE1	Water	EPA 6020A	06/26/15 08:33	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00
A5G0043-02	Water	EPA 6020A	06/26/15 09:10	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00
A5G0043-02RE1	Water	EPA 6020A	06/26/15 09:10	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00
A5G0043-03	Water	EPA 6020A	06/26/15 09:48	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00
A5G0043-03RE1	Water	EPA 6020A	06/26/15 09:48	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00
A5G0043-04	Water	EPA 6020A	06/26/15 10:41	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00

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Apex Companies, LLC .	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A5G0043-05	Water	EPA 6020A	06/26/15 11:48	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00
A5G0043-05RE1	Water	EPA 6020A	06/26/15 11:48	07/06/15 16:15	45mL/50mL	45mL/50mL	1.00

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/03.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/15/15 12:51

Notes and Definitions

Qualifiers:

F-11	The hydrocarbon pattern indicates possible weathered diesel, or a contribution from a related component.
F-13	The chromatographic pattern does not resemble the fuel standard used for quantitation
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
Q-03	Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
Q-16	Reanalysis of an original Batch QC sample.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-29	Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
Q-42	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
R-04	Reporting levels elevated due to dilution necessary for analysis.

Notes and Conventions:

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. Results listed as 'wet' or without 'dry'designation are not dry weight corrected.
RPD	Relative Percent Difference
MDL	If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
WMSC	Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
Batch QC	Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
Blank Policy	Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses. For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.

Apex Laboratories

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Philip Nerenberg, Lab Director

Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.

--- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

*** Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

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Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

Project: **Gunderson**
Project Number: 1935-01/03.032
Project Manager: Chris Breemer

Reported:
07/15/15 12:51

APEX

CHAIN OF CUSTODY RECORD

A5G0043

Client Name: Apex Companies
Address: 3015 SW First Ave
City/State/Zip: Portland, OR 97201

Telephone Number: 503.924.4704
Fax No.: 503.943.6357

Project Manager: Chris Breemer
Project Name: Gunderson - Area 1
Project Number: 1935-01/03.032
Sampler Name: Chris Brackett

Analytical Lab: Apex Laboratories
Report To: cbreemer@apexcos.com
Page: 1 of 1

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	Preservative: MeOH	Preservative: HCl	Preservative: Sodium Bisulfate	Preservative: HNO3	Matrix: Groundwater	Matrix: Wastewater	Matrix: Drinking Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: VOCs (8260B)	NW-TPHD	PAHs (8270D)	Phthalates (8061A)	PCBs (8082A)	Total Metals (6020)	Mercury (6020)	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
MW-72	6/26/15	833	5	X			X		X		X	X							X	X			X	X		X		
MW-10	6/26/15	910	3	X			X		X		X	X							X				X	X		X		
MW-77	6/26/15	948	3	X			X		X		X	X							X				X	X		X		
MW-79	6/26/15	1041	7	X			X		X		X	X							X	X	X		X	X		X		
MW-73	6/26/15	1148	5	X			X		X		X	X							X	X			X	X		X		
MW-44	6/26/15	1310	3	X			X		X			X						X								X		
MW-51	6/26/15	1345	3	X			X		X			X						X								X		

Special Instructions: Metals: Antimony, Arsenic, Barium, Cadmium, Chromium, Copper, Lead, Manganese, Nickel, Zinc

Direct-Bill to Gunderson LLC

Method of Shipment:

Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
[signature] Apex Cos	6/29/2015	09:45	[signature] Apex	6-29-15	10:00
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspa Y N

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Wednesday, July 22, 2015

Chris Breemer
Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

RE: Gunderson / 1935-01/02.032

Enclosed are the results of analyses for work order A5G0196, which was received by the laboratory on 7/6/2015 at 3:25:00PM.

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

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

Apex Labs

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-39	A5G0196-01	Water	07/02/15 14:55	07/06/15 15:25
MW-71	A5G0196-02	Water	07/06/15 09:53	07/06/15 15:25
MW-17	A5G0196-03	Water	07/06/15 10:41	07/06/15 15:25
MW-43	A5G0196-04	Water	07/06/15 11:56	07/06/15 15:25

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-39 (A5G0196-01)			**Matrix: Water**		**Batch: 5070191**			
Acetone	ND	10.0	20.0	ug/L	1	07/08/15 19:14	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	ND	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	ND	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-39 (A5G0196-01)			**Matrix: Water**		**Batch: 5070191**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	ND	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 100 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*98 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*103 %*	*Limits: 80-120 %*	"	"	"	

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3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-71 (A5G0196-02)			**Matrix: Water**		**Batch: 5070191**			
Acetone	ND	10.0	20.0	ug/L	1	07/08/15 20:16	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**26.4**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	**0.520**	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**41.1**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-71 (A5G0196-02)			**Matrix: Water**		**Batch: 5070191**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	**2.53**	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**10.8**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	**0.340**	0.250	0.500	"	"	"	"	J
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	**2.23**	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	

Surrogate: Dibromofluoromethane (Surr)	*Recovery: 102 %*	*Limits: 80-120 %*	"	"	"
1,4-Difluorobenzene (Surr)	*106 %*	*Limits: 80-120 %*	"	"	"
Toluene-d8 (Surr)	*98 %*	*Limits: 80-120 %*	"	"	"
4-Bromofluorobenzene (Surr)	*103 %*	*Limits: 80-120 %*	"	"	"

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-17 (A5G0196-03)			**Matrix: Water**		**Batch: 5070191**			
Acetone	ND	10.0	20.0	ug/L	1	07/08/15 17:12	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	ND	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	ND	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-17 (A5G0196-03)			**Matrix: Water**		**Batch: 5070191**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	ND	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 99 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*99 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*104 %*	*Limits: 80-120 %*	"	"	"	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-43 (A5G0196-04)			**Matrix: Water**		**Batch: 5070191**			
Acetone	ND	10.0	20.0	ug/L	1	07/08/15 17:41	EPA 8260B	
Benzene	ND	0.125	0.250	"	"	"	"	
Bromobenzene	ND	0.250	0.500	"	"	"	"	
Bromochloromethane	ND	0.500	1.00	"	"	"	"	
Bromodichloromethane	ND	0.500	1.00	"	"	"	"	
Bromoform	ND	1.00	2.00	"	"	"	"	
Bromomethane	ND	5.00	5.00	"	"	"	"	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	"	"	
n-Butylbenzene	ND	0.500	1.00	"	"	"	"	
sec-Butylbenzene	ND	0.500	1.00	"	"	"	"	
tert-Butylbenzene	ND	0.500	1.00	"	"	"	"	
Carbon tetrachloride	ND	0.500	1.00	"	"	"	"	
Chlorobenzene	ND	0.250	0.500	"	"	"	"	
Chloroethane	ND	5.00	5.00	"	"	"	"	
Chloroform	ND	0.500	1.00	"	"	"	"	
Chloromethane	ND	2.50	5.00	"	"	"	"	
2-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
4-Chlorotoluene	ND	0.500	1.00	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	"	"	
Dibromochloromethane	ND	0.500	1.00	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	"	"	
Dibromomethane	ND	0.500	1.00	"	"	"	"	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	"	"	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	"	"	
1,1-Dichloroethane	**4.81**	0.250	0.500	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	"	"	
1,1-Dichloroethene	**1.82**	0.250	0.500	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	"	"	
1,2-Dichloropropane	ND	0.250	0.500	"	"	"	"	
1,3-Dichloropropane	ND	0.500	1.00	"	"	"	"	
2,2-Dichloropropane	ND	2.00	2.00	"	"	"	"	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	"	"	

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3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-43 (A5G0196-04)			**Matrix: Water**		**Batch: 5070191**			
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	"	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	"	"	
Ethylbenzene	ND	0.250	0.500	"	"	"	"	
Hexachlorobutadiene	ND	2.50	5.00	"	"	"	"	
2-Hexanone	ND	5.00	10.0	"	"	"	"	
Isopropylbenzene	ND	0.500	1.00	"	"	"	"	
4-Isopropyltoluene	ND	0.500	1.00	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	"	"	
Methylene chloride	ND	2.50	5.00	"	"	"	"	
Naphthalene	ND	1.00	2.00	"	"	"	"	
n-Propylbenzene	ND	0.250	0.500	"	"	"	"	
Styrene	ND	0.500	1.00	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	"	"	
Toluene	ND	0.500	1.00	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	"	"	
1,1,1-Trichloroethane	**2.38**	0.250	0.500	"	"	"	"	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	"	"	
Trichloroethene (TCE)	**0.690**	0.250	0.500	"	"	"	"	
Trichlorofluoromethane	ND	1.00	2.00	"	"	"	"	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	"	"	
Vinyl chloride	**0.530**	0.250	0.500	"	"	"	"	
m,p-Xylene	ND	0.500	1.00	"	"	"	"	
o-Xylene	ND	0.250	0.500	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 100 %*	*Limits: 80-120 %*	"	"	"	
1,4-Difluorobenzene (Surr)			*106 %*	*Limits: 80-120 %*	"	"	"	
Toluene-d8 (Surr)			*98 %*	*Limits: 80-120 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*103 %*	*Limits: 80-120 %*	"	"	"	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-17 (A5G0196-03RE2)			**Matrix: Water**		**Batch: 5070290**			
Bis(2-ethylhexyl)phthalate	**0.297**	0.190	0.381	ug/L	1	07/13/15 14:48	EPA 8270D	J
Butyl benzyl phthalate	ND	0.190	0.381	"	"	"	"	
Diethylphthalate	ND	0.190	0.381	"	"	"	"	
Dimethylphthalate	ND	0.190	0.381	"	"	"	"	
Di-n-butylphthalate	ND	0.190	0.381	"	"	"	"	
Di-n-octyl phthalate	ND	0.190	0.381	"	"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)			*Recovery: 48 %*	*Limits: 44-120 %*	"	"	"	*Q-41*
2-Fluorobiphenyl (Surr)			*40 %*	*Limits: 44-120 %*	"	"	"	*S-06*
Phenol-d6 (Surr)			*15 %*	*Limits: 10-120 %*	"	"	"	
p-Terphenyl-d14 (Surr)			*80 %*	*Limits: 50-133 %*	"	"	"	*Q-41*
2-Fluorophenol (Surr)			*24 %*	*Limits: 19-120 %*	"	"	"	
2,4,6-Tribromophenol (Surr)			*84 %*	*Limits: 43-140 %*	"	"	"	*Q-41*

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
MW-17 (A5G0196-03)			**Matrix: Water**					
Batch: 5070315								
Antimony	ND	0.500	1.00	ug/L	1	07/14/15 13:45	EPA 6020A	
Arsenic	**18.6**	0.500	1.00	"	"	"	"	
Barium	**43.2**	0.500	1.00	"	"	"	"	
Cadmium	**0.0444**	0.0400	0.200	"	"	"	"	J
Chromium	**0.711**	0.500	1.00	"	"	"	"	J
Copper	**1.06**	0.500	2.00	"	"	"	"	J
Lead	**0.267**	0.100	0.200	"	"	"	"	
Nickel	**1.53**	0.500	1.00	"	"	"	"	
Zinc	**3.06**	2.00	4.00	"	"	"	"	J
MW-17 (A5G0196-03RE1)			**Matrix: Water**					
Batch: 5070315								
Manganese	**4100**	5.00	10.0	ug/L	10	07/14/15 16:04	EPA 6020A	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070191 - EPA 5030B							**Water**					
Blank (5070191-BLK1)					Prepared: 07/08/15 14:00		Analyzed: 07/08/15 16:40					
EPA 8260B												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.125	0.250	"	"	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Bromoform	ND	1.00	2.00	"	"	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	"	"	---	---	---	---	---	---	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	"	"	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	"	"	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	"	"	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.250	0.500	"	"	---	---	---	---	---	---	

Apex Laboratories

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Philip Nerenberg

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070191 - EPA 5030B							**Water**					
Blank (5070191-BLK1)					Prepared: 07/08/15 14:00		Analyzed: 07/08/15 16:40					
cis-1,2-Dichloroethene	ND	0.250	0.500	ug/L	"	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,2-Dichloropropane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	"	"	---	---	---	---	---	---	
2,2-Dichloropropane	ND	2.00	2.00	"	"	---	---	---	---	---	---	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	"	"	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	"	"	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Methylene chloride	ND	2.50	5.00	"	"	---	---	---	---	---	---	
Naphthalene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	"	"	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	---	---	---	---	---	---	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070191 - EPA 5030B							**Water**					
Blank (5070191-BLK1)					Prepared: 07/08/15 14:00		Analyzed: 07/08/15 16:40					
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Vinyl chloride	ND	0.250	0.500	"	"	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	"	"	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	"	"	---	---	---	---	---	---	
Surr: Dibromofluoromethane (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*		*Dilution: 1x*					
1,4-Difluorobenzene (Surr)			*106 %*		*80-120 %*		*"*					
Toluene-d8 (Surr)			*98 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*104 %*		*80-120 %*		*"*					
LCS (5070191-BS1)					Prepared: 07/08/15 14:00		Analyzed: 07/08/15 15:40					
EPA 8260B												
Acetone	43.3	10.0	20.0	ug/L	1	40.0	---	108	70-130%	---	---	
Benzene	21.8	0.125	0.250	"	"	20.0	---	109	"	---	---	
Bromobenzene	18.5	0.250	0.500	"	"	"	---	93	"	---	---	
Bromochloromethane	21.5	0.500	1.00	"	"	"	---	108	"	---	---	
Bromodichloromethane	23.8	0.500	1.00	"	"	"	---	119	"	---	---	
Bromoform	25.8	1.00	2.00	"	"	"	---	129	"	---	---	Q-41
Bromomethane	11.0	5.00	5.00	"	"	"	---	55	"	---	---	Q-31
2-Butanone (MEK)	47.6	5.00	10.0	"	"	40.0	---	119	"	---	---	
n-Butylbenzene	19.0	0.500	1.00	"	"	20.0	---	95	"	---	---	
sec-Butylbenzene	19.1	0.500	1.00	"	"	"	---	96	"	---	---	
tert-Butylbenzene	19.1	0.500	1.00	"	"	"	---	95	"	---	---	
Carbon tetrachloride	26.3	0.500	1.00	"	"	"	---	131	"	---	---	Q-41
Chlorobenzene	18.7	0.250	0.500	"	"	"	---	94	"	---	---	
Chloroethane	21.7	5.00	5.00	"	"	"	---	109	"	---	---	
Chloroform	20.6	0.500	1.00	"	"	"	---	103	"	---	---	
Chloromethane	21.8	2.50	5.00	"	"	"	---	109	"	---	---	
2-Chlorotoluene	19.0	0.500	1.00	"	"	"	---	95	"	---	---	
4-Chlorotoluene	18.5	0.500	1.00	"	"	"	---	92	"	---	---	
1,2-Dibromo-3-chloropropane	27.4	2.50	5.00	"	"	"	---	137	"	---	---	Q-41

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070191 - EPA 5030B							**Water**					
LCS (5070191-BS1)					Prepared: 07/08/15 14:00		Analyzed: 07/08/15 15:40					
Dibromochloromethane	22.0	0.500	1.00	ug/L	"	"	---	110	"	---	---	
1,2-Dibromoethane (EDB)	20.2	0.250	0.500	"	"	"	---	101	"	---	---	
Dibromomethane	21.2	0.500	1.00	"	"	"	---	106	"	---	---	
1,2-Dichlorobenzene	19.6	0.250	0.500	"	"	"	---	98	"	---	---	
1,3-Dichlorobenzene	19.1	0.250	0.500	"	"	"	---	95	"	---	---	
1,4-Dichlorobenzene	19.0	0.250	0.500	"	"	"	---	95	"	---	---	
Dichlorodifluoromethane	23.4	0.500	1.00	"	"	"	---	117	"	---	---	
1,1-Dichloroethane	18.7	0.250	0.500	"	"	"	---	94	"	---	---	
1,2-Dichloroethane (EDC)	19.5	0.250	0.500	"	"	"	---	97	"	---	---	
1,1-Dichloroethene	18.6	0.250	0.500	"	"	"	---	93	"	---	---	
cis-1,2-Dichloroethene	20.5	0.250	0.500	"	"	"	---	103	"	---	---	
trans-1,2-Dichloroethene	19.3	0.250	0.500	"	"	"	---	96	"	---	---	
1,2-Dichloropropane	21.4	0.250	0.500	"	"	"	---	107	"	---	---	
1,3-Dichloropropane	19.2	0.500	1.00	"	"	"	---	96	"	---	---	
2,2-Dichloropropane	22.2	2.00	2.00	"	"	"	---	111	"	---	---	EST, Q-41
1,1-Dichloropropene	20.2	0.500	1.00	"	"	"	---	101	"	---	---	
cis-1,3-Dichloropropene	17.4	0.500	1.00	"	"	"	---	87	"	---	---	
trans-1,3-Dichloropropene	19.0	0.500	1.00	"	"	"	---	95	"	---	---	
Ethylbenzene	19.3	0.250	0.500	"	"	"	---	96	"	---	---	
Hexachlorobutadiene	18.2	2.50	5.00	"	"	"	---	91	"	---	---	
2-Hexanone	43.8	5.00	10.0	"	"	40.0	---	110	"	---	---	
Isopropylbenzene	19.8	0.500	1.00	"	"	20.0	---	99	"	---	---	
4-Isopropyltoluene	18.8	0.500	1.00	"	"	"	---	94	"	---	---	
4-Methyl-2-pentanone (MiBK)	42.7	5.00	10.0	"	"	40.0	---	107	"	---	---	
Methyl tert-butyl ether (MTBE)	32.6	0.500	1.00	"	"	20.0	---	163	"	---	---	Q-41
Methylene chloride	22.2	2.50	5.00	"	"	"	---	111	"	---	---	
Naphthalene	19.1	1.00	2.00	"	"	"	---	96	"	---	---	
n-Propylbenzene	19.1	0.250	0.500	"	"	"	---	96	"	---	---	
Styrene	20.5	0.500	1.00	"	"	"	---	103	"	---	---	
1,1,1,2-Tetrachloroethane	23.4	0.250	0.500	"	"	"	---	117	"	---	---	

Apex Laboratories

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070191 - EPA 5030B							**Water**					
LCS (5070191-BS1)					Prepared: 07/08/15 14:00		Analyzed: 07/08/15 15:40					
1,1,2,2-Tetrachloroethane	23.4	0.250	0.500	"	"	"	---	117	"	---	---	
Tetrachloroethene (PCE)	17.8	0.250	0.500	"	"	"	---	89	"	---	---	
Toluene	19.3	0.500	1.00	"	"	"	---	97	"	---	---	
1,2,3-Trichlorobenzene	18.4	1.00	2.00	"	"	"	---	92	"	---	---	
1,2,4-Trichlorobenzene	18.5	1.00	2.00	"	"	"	---	92	"	---	---	
1,1,1-Trichloroethane	21.4	0.250	0.500	"	"	"	---	107	"	---	---	
1,1,2-Trichloroethane	21.8	0.250	0.500	"	"	"	---	109	"	---	---	
Trichloroethene (TCE)	20.2	0.250	0.500	"	"	"	---	101	"	---	---	
Trichlorofluoromethane	17.7	1.00	2.00	"	"	"	---	89	"	---	---	
1,2,3-Trichloropropane	22.6	0.500	1.00	"	"	"	---	113	"	---	---	
1,2,4-Trimethylbenzene	19.6	0.500	1.00	"	"	"	---	98	"	---	---	
1,3,5-Trimethylbenzene	19.8	0.500	1.00	"	"	"	---	99	"	---	---	
Vinyl chloride	24.4	0.250	0.500	"	"	"	---	122	"	---	---	
m,p-Xylene	39.3	0.500	1.00	"	"	40.0	---	98	"	---	---	
o-Xylene	20.3	0.250	0.500	"	"	20.0	---	102	"	---	---	
Surr: Dibromofluoromethane (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Surr)			*106 %*		*80-120 %*			*"*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*80-120 %*			*"*				
Duplicate (5070191-DUP1)					Prepared: 07/08/15 16:56		Analyzed: 07/08/15 19:45					
QC Source Sample: MW-39 (A5G0196-01)												
EPA 8260B												
Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	0.125	0.250	"	"	---	ND	---	---	---	30%	
Bromobenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Bromoform	ND	1.00	2.00	"	"	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	"	"	---	ND	---	---	---	30%	Q-31
2-Butanone (MEK)	ND	5.00	10.0	"	"	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070191 - EPA 5030B							**Water**					
Duplicate (5070191-DUP1)					Prepared: 07/08/15 16:56 Analyzed: 07/08/15 19:45							
QC Source Sample: MW-39 (A5G0196-01)												
sec-Butylbenzene	ND	0.500	1.00	ug/L	"	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	"	"	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Chloromethane	ND	2.50	5.00	"	"	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloroprop ane	ND	2.50	5.00	"	"	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0:250	0.500	"	"	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	2.00	2.00	"	"	---	ND	---	---	---	30%	EST
1,1-Dichloropropene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070191 - EPA 5030B							**Water**					
Duplicate (5070191-DUP1)					Prepared: 07/08/15 16:56		Analyzed: 07/08/15 19:45					
QC Source Sample: MW-39 (A5G0196-01)												
Hexachlorobutadiene	ND	2.50	5.00	ug/L	"	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	"	"	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	"	"	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Methylene chloride	ND	2.50	5.00	"	"	---	ND	---	---	---	30%	
Naphthalene	ND	1.00	2.00	"	"	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	"	"	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	"	"	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	1.00	2.00	"	"	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	"	"	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	"	"	---	ND	---	---	---	30%	

Surr: Dibromofluoromethane (Surr)	*Recovery:*	*100 %*	*Limits:*	*80-120 %*	*Dilution: 1x*
1,4-Difluorobenzene (Surr)		*108 %*		*80-120 %*	"
Toluene-d8 (Surr)		*98 %*		*80-120 %*	"

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Apex Companies, LLC	Project: **Gunderson**	
3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070191 - EPA 5030B							**Water**					
Duplicate (5070191-DUP1)						Prepared: 07/08/15 16:56 Analyzed: 07/08/15 19:45						
QC Source Sample: MW-39 (A5G0196-01)												
Surr: 4-Bromofluorobenzene (Surr)			*Recovery: 103 %*	*Limits: 80-120 %*			*Dilution: 1x*					

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Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070290 - EPA 3510C (Acid Extraction)							**Water**					
Blank (5070290-BLK1)					Prepared: 07/13/15 07:10		Analyzed: 07/13/15 11:42					
EPA 8270D												
Bis(2-ethylhexyl)phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Diethylphthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Dimethylphthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Di-n-butylphthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	0.182	0.364	"	"	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 91 %*		*Limits: 44-120 %*		*Dilution: 1x*					*Q-41*
2-Fluorobiphenyl (Surr)			*69 %*		*44-120 %*		"					
Phenol-d6 (Surr)			*28 %*		*10-120 %*		"					
p-Terphenyl-d14 (Surr)			*91 %*		*50-133 %*		"					*Q-41*
2-Fluorophenol (Surr)			*52 %*		*19-120 %*		"					
2,4,6-Tribromophenol (Surr)			*104 %*		*43-140 %*		"					*Q-41*
LCS (5070290-BS1)					Prepared: 07/13/15 07:10		Analyzed: 07/13/15 12:20					
EPA 8270D												
Bis(2-ethylhexyl)phthalate	4.73	0.200	0.400	ug/L	1	4.00	---	118	55-135%	---	---	
Butyl benzyl phthalate	4.64	0.200	0.400	"	"	"	---	116	53-134%	---	---	
Diethylphthalate	3.80	0.200	0.400	"	"	"	---	95	55-125%	---	---	
Dimethylphthalate	3.89	0.200	0.400	"	"	"	---	97	45-127%	---	---	
Di-n-butylphthalate	4.11	0.200	0.400	"	"	"	---	103	59-127%	---	---	
Di-n-octyl phthalate	4.32	0.200	0.400	"	"	"	---	108	51-140%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 95 %*		*Limits: 44-120 %*		*Dilution: 1x*					*Q-41*
2-Fluorobiphenyl (Surr)			*71 %*		*44-120 %*		"					
Phenol-d6 (Surr)			*36 %*		*10-120 %*		"					
p-Terphenyl-d14 (Surr)			*107 %*		*50-133 %*		"					*Q-41*
2-Fluorophenol (Surr)			*61 %*		*19-120 %*		"					
2,4,6-Tribromophenol (Surr)			*111 %*		*43-140 %*		"					*Q-41*
LCS Dup (5070290-BSD1)					Prepared: 07/13/15 07:10		Analyzed: 07/13/15 12:57					**Q-19**
EPA 8270D												
Bis(2-ethylhexyl)phthalate	4.33	0.200	0.400	ug/L	1	4.00	---	108	55-135%	9	30%	
Butyl benzyl phthalate	4.49	0.200	0.400	"	"	"	---	112	53-134%	3	30%	
Diethylphthalate	3.43	0.200	0.400	"	"	"	---	86	55-125%	10	30%	

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3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070290 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (5070290-BSD1)					Prepared: 07/13/15 07:10		Analyzed: 07/13/15 12:57					**Q-19**
Dimethylphthalate	3.50	0.200	0.400	ug/L	"	"	---	87	45-127%	11	30%	
Di-n-butylphthalate	3.70	0.200	0.400	"	"	"	---	92	59-127%	10	30%	
Di-n-octyl phthalate	4.33	0.200	0.400	"	"	"	---	108	51-140%	0.3	30%	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 85 %*	*Limits: 44-120 %*	*Dilution: 1x*		*Q-41*
2-Fluorobiphenyl (Surr)	*63 %*	*44-120 %*	"		
Phenol-d6 (Surr)	*31 %*	*10-120 %*	"		
p-Terphenyl-d14 (Surr)	*105 %*	*50-133 %*	"		*Q-41*
2-Fluorophenol (Surr)	*55 %*	*19-120 %*	"		
2,4,6-Tribromophenol (Surr)	*101 %*	*43-140 %*	"		*Q-41*

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3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070315 - EPA 3015A							**Water**					
Blank (5070315-BLK1)					Prepared: 07/13/15 15:40	Analyzed: 07/14/15 13:10						
EPA 6020A												
Antimony	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Arsenic	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Barium	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Cadmium	ND	0.0400	0.200	"	"	---	---	---	---	---	---	
Chromium	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Copper	ND	0.500	2.00	"	"	---	---	---	---	---	---	
Lead	ND	0.100	0.200	"	"	---	---	---	---	---	---	
Nickel	ND	0.500	1.00	"	"	---	---	---	---	---	---	
Zinc	ND	2.00	4.00	"	"	---	---	---	---	---	---	
Blank (5070315-BLK2)					Prepared: 07/13/15 15:40	Analyzed: 07/14/15 15:55						
EPA 6020A												
Manganese	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	Q-16
LCS (5070315-BS1)					Prepared: 07/13/15 15:40	Analyzed: 07/14/15 13:13						
EPA 6020A												
Antimony	28.4	0.500	1.00	ug/L	1	27.8	---	102	80-120%	---	---	
Arsenic	53.7	0.500	1.00	"	"	55.6	---	97	"	---	---	
Barium	56.6	0.500	1.00	"	"	"	---	102	"	---	---	
Cadmium	54.0	0.0400	0.200	"	"	"	---	97	"	---	---	
Chromium	57.9	0.500	1.00	"	"	"	---	104	"	---	---	
Copper	56.6	0.500	2.00	"	"	"	---	102	"	---	---	
Lead	55.8	0.100	0.200	"	"	"	---	100	"	---	---	
Manganese	59.7	0.500	1.00	"	"	"	---	108	"	---	---	
Nickel	58.9	0.500	1.00	"	"	"	---	106	"	---	---	
Zinc	54.4	2.00	4.00	"	"	"	---	98	"	---	---	

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3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

SAMPLE PREPARATION INFORMATION

Volatile Organic Compounds by EPA 8260B

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070191							
A5G0196-01	Water	EPA 8260B	07/02/15 14:55	07/08/15 16:56	5mL/5mL	5mL/5mL	1.00
A5G0196-02	Water	EPA 8260B	07/06/15 09:53	07/08/15 16:56	5mL/5mL	5mL/5mL	1.00
A5G0196-03	Water	EPA 8260B	07/06/15 10:41	07/08/15 16:56	5mL/5mL	5mL/5mL	1.00
A5G0196-04	Water	EPA 8260B	07/06/15 11:56	07/08/15 16:56	5mL/5mL	5mL/5mL	1.00

Semivolatile Organic Compounds by EPA 8270D

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070290							
A5G0196-03RE2	Water	EPA 8270D	07/06/15 10:41	07/13/15 07:10	1050mL/1mL	1000mL/1mL	0.95

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070315							
A5G0196-03	Water	EPA 6020A	07/06/15 10:41	07/13/15 15:40	45mL/50mL	45mL/50mL	1.00
A5G0196-03RE1	Water	EPA 6020A	07/06/15 10:41	07/13/15 15:40	45mL/50mL	45mL/50mL	1.00

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3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

Notes and Definitions

Qualifiers:

EST	Result reported as an Estimated Value. Initial calibration criteria failed for this compound. Responses are erratic.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
Q-16	Reanalysis of an original Batch QC sample.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
S-06	Surrogate recovery is outside of established control limits.

Notes and Conventions:

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. Results listed as 'wet' or without 'dry'designation are not dry weight corrected.
RPD	Relative Percent Difference
MDL	If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
WMSC	Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
Batch QC	Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
Blank Policy	Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses. For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor. Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
---	QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
***	Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

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3015 SW First Avenue	Project Number: 1935-01/02.032	**Reported:**
Portland, OR 97201	Project Manager: Chris Breemer	07/22/15 18:49

APEX

CHAIN OF CUSTODY RECORD

Client Name: Apex Companies
Address: 3015 SW First Ave
City/State/Zip: Portland, OR 97201

Telephone Number: 503.924.4704
Fax No.: 503.943.8357

A5G0196

Project Manager: Chris Breemer
Project Name: Gunderson GWM
Project Number: 1935-01/02.032
Sampler Name: Chris Breemer / Chris Brecklatt

Analytical Lab: Apex Laboratories
Report To: cbreemer@apexcos.com
Page: 1 of 1

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Ice	Unbroken	HCl	Sodium Bisulfate	HNO3	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	VOCs (8260B)	NW-TPHD	PAHs (8270D)	Phthalates (8061A)	PCBs (8082A)	Total Metals (6020)	Mercury (6020)					RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
							Preservative					Matrix						Analyze For:														
MW-39	7/7/15	1455	3	X			X		X			X						X												X		
MW-71	7/8/15	953	3	X			X		X			X						X												X		
MW-17	7/8/15	1041	6	X			X		X		X	X						X			X		X							X		
MW-43	7/8/15	1156	3	X			X		X			X						X												X		

Special Instructions: Metals: Antimony, Arsenic, Barium, Cadmium, Chromium, Copper, Lead, Manganese, Nickel, Zinc

Laboratory Comments: Temperature Upon Receipt: N
VOCs Free of Headspace Y

Direct-Bill to Gunderson LLC

Method of Shipment:

Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
[illegible]	7/6/15	15:38	[illegible]	7-6-15	15:38
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time
Relinquished by: Name/Company	Date	Time	Received by: Name/Company	Date	Time

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Philip Nerenberg, Lab Director

Appendix D

Appendix D

Historical Analytical Results

Table D-1
Area 1 Historical Groundwater Analytical Results
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene
		mg/L (ppm)		Concentrations in µg/L (ppb)																													
MW-19	12/7/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	0.12 J	<0.50	0.30 J	<0.50
	12/14/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.50	<0.5	<0.50	0.48 J
	3/30/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	0.11 J	<0.07	<0.15	0.32 J
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	<0.50	<0.50
	12/18/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	0.300
MW-21	8/19/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.13 J	<5.0	--	--	--	<1.0	<0.50	<0.50	0.25 J	<0.50	<0.50	<5.0	18.5	<0.50	6.99	0.37 J
	6/2/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.25 J	<5.0	--	--	--	<1.0	<0.50	<0.50	0.42 J	<0.50	<0.50	<5.0	24.2	<0.50	25.6	0.14 J
	11/30/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.22 J	<5.0	--	--	--	<1.0	<0.50	<0.50	0.44 J	<0.50	<0.50	<5.0	20.4	<0.50	23.9	0.20 J
	6/1/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.14 J	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	18	<0.50	13.3	<0.50
	12/13/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.12 J	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	0.50	<0.50	<0.50	<5.0	10.7	<0.50	7.42	<0.50
	3/26/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.18 J	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	21	<0.07	18	<0.14
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	13.3	<0.50	11.2	<0.50
	12/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	30.6	<0.50	29.1	<0.50
	6/18/2013	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	13.6	<0.50	11.9	<0.50
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	5.88	--	2.07	<0.50
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	18.3	--	12.9	<0.500
	12/18/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	14.5	<0.500	10.1	<0.500
	6/30/2015	--	--															<1.0												2.99		0.89	
MW-22	11/30/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/14/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.50	<0.5	<0.50	<0.50
	3/26/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	<0.09	<0.07	<0.15	<0.14
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/13/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	<0.50	<0.50
	12/18/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500
MW-27	8/19/2009	--	--	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.32 J	<10	--	--	--	<2.0	<1.0	<1.0	0.20 J	<1.0	<1.0	<10	64.8	1.0	69.9	<1.0
	6/2/2010	--	--	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.34 J	<10	--	--	--	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	68.2	1.2	79.6	<1.0
	11/30/2010	--	--	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.24 J	<10	--	--	--	<2.0	<1.0	<1.0	0.14 J	<1.0	<1.0	<10	47.6	0.8 J	51.8	<1.0
	6/1/2011	--	--	<50	<0.40	<1.0	<2.0	<1.0	<2.0	<10.0	<20	<10	<2.0	<2.0	<1.0	<1.0	<1.0	0.22 J	<10	<2.0	<2.0	<10	<2.0	<1.0	<1.0	0.22 J	<1.0	<1.0	<10	45.1	0.68 J	55.1	<1.0
	12/13/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.19 J	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	0.27 J	<0.50	<0.50	<5.0	27.0	<0.50	33.0	0.16 J
	12/13/2011 DUP	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.18 J	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	0.31 J	<0.50	<0.50	<5.0	25.6	<0.50	29.7	<0.50
	3/26/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.27 J	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	0.32 J	<0.11	<0.09	<0.08	42	0.55 J	57	<0.14
	3/26/2012 DUP	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.28 J	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	0.32 J	<0.11	<0.09	<0.08	42	0.52 J	59	<0.14
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	28.8	<0.50	41.6	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	41.5	<0.50	53.8	<0.50
	6/18/2013	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	18.1	<0.50	22.5	<0.50
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	19.7	--	25.9	<0.50
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	13.2	--	17.5	<0.500
	12/18/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	0.300	<0.500	<0.500	<1.00	21.5	0.290	36.8	<0.500
	6/30/2015	--	--															<1.00												8.90		5.80	<0.500
	6/30/15 DUP	--	--															<1.00												8.95		5.70	<0.500
MW-36	8/19/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	0.51	0.35 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	87.2	<0.50	90.3	<0.50
	3/16/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	0.27 J	0.28 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	85.3	<0.50	81.6	<0.50
	6/2/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.17 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	56	<0.50	58.8	<0.50
	6/2/2010 DUP	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.20 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	56	<0.50	59.2	<0.50
	8/31/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	0.26 J	0.35 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	77.5	<0.50	71.8	<0.50
	8/31/2010 DUP	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	0.23 J	0.32 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	74.8	<0.50	68.4	<0.50
	11/30/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	0.18 J	0.28 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	77.4	<0.50	66.2	<0.50
	6/1/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.13 J	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	27.2	<0.50	26.4	<0.50
	9/15/2011	--	--	<50	<0.40	<1.0	<2.0	<1.0	<2.0	<10.0	<20.0	<10.0	<2.0	<2.0	<1.0	<1.0	<1.0	0.54	<10.0	<2.0	<2.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	47.8	<1.0	172	<1.0
	12/14/2011	--	--	<125	<1.0	<2.5	<5.0	<2.5	<5.0	<25.0	<50.0	<25.0	<5.0	<5.0	<2.5	<2.5	<2.5	0.55 J	<25.0	<5.0	<5.0	<25.0	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<25.0	43.0	<2.5	133	<2.5
	3/30/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.14 J	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	33.0	<0.07	33.0	<0.14
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	11.3	<0.50	16.2	<0.50
	9/28/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	44.4	<0.50	185.0	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	13.4	<0.50	33.9	<0.50
	3/22/2013	--	--	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	3.1	<0.50
	6/19/2013	--	--	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	9/9/2013	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<1.00	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500
	9/9/2013 DUP	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<1.00	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500
	12/13/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	21.9	--	106	<0.50
	3/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	<0.500	<0.500
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	<0.500	<0.500
	9/19/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	0.630 J	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	32.0	<0.500	169	<0.500
	12/18/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500
	3/9/2015 DUP	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	24.1	<0.500	97.0	<0.500
	3/9/2015	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	25.3	<0.500	103	<0.500
	6/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	<0.500	<0.500
MW-38	8/19/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.22 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	39.2	0.2 J	50.1	<0.50

Please refer to notes at end of table.

Table D-1
Area 1 Historical Groundwater Analytical Results
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene
		mg/L (ppm)		Concentrations in µg/L (ppb)																													
MW-39	8/19/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**6.05**	<0.50	**5.02**	<0.50
	6/2/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	**0.18 J**	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**22.3**	<0.50	**29.4**	<0.50
	11/30/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**9.51**	<0.50	**11.2**	<0.50
	6/1/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	**0.9**
	12/13/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**4.76**	<0.50	**3.56**	<0.50
	3/27/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	**0.53 J**	<0.07	**0.47 J**	**0.23 J**
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**0.87**	<0.50	**0.77**	<0.50
	12/3/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**1.10**	<0.50	**0.79**	<0.50
	6/18/2013	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**1.68**	<0.50	**1.71**	<0.50
	12/13/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	**3.28**	--	**3.04**	<0.50
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	**1.81**	--	**1.90**	<0.500
	12/17/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**8.84**	<0.500	**6.21**	<0.500
	7/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	<0.500	<0.500
MW-41	12/1/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**0.58**	<0.50	**1.14**	<0.50
	12/14/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	**0.21 J**	<0.5	<0.50	<0.50
	3/26/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	<0.09	<0.07	<0.15	<0.14
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/16/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	<0.50	<0.50
	12/23/2014	--	--	<20	<0.25	<0.5	<1	<1	<1	<5	<10	<1	<1	<1	<0.5	<0.5	<5	<1	<5	<1	<1	<5	<1	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5
MW-42	11/30/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**6.12**	<0.50	**8.31**	<0.50
	12/14/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	**1.66**	<0.5	**3.71**	<0.50
	3/26/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	**0.79 J**	<0.07	**0.78 J**	<0.14
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/17/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	<0.50	<0.50
	12/18/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**3.65**	<0.500	**3.52**	<0.500
MW-43	11/29/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**0.65**	<0.50	**0.35 J**	**0.78**
	12/13/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	**0.68**	<0.5	**0.54**	**0.52**
	3/26/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	**0.28 J**	<0.07	**0.25 J**	**0.85 J**
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**0.56**	<0.50	**0.52**	<0.50
	12/17/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	<0.50	<0.50
	3/25/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.100	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	<0.500	<0.500
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.100	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	<0.500	<0.500
	9/19/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**0.440 J**	<0.500	<0.500	<0.500
	12/23/2014	--	--	<20	<0.25	<0.5	<1	<1	<1	<5	<10	<1	<1	<1	<0.5	<0.5	<5	<1	<5	<1	<1	<5	<1	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5
	3/16/2015	--	--	<20	0.14	<0.500	<1.00	<1.00	<1.00	<5.00	<10	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**2.27**	<0.500	<0.500	**0.53**
	7/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	**4.81**	--	**1.82**	<0.500
MW-45	8/19/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	**0.13 J**	<0.50
MW-44	8/19/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**0.82**	<0.50	**1.27**	<0.50
	8/19/2009 DUP	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**0.86**	<0.50	**1.16**	<0.50
	12/7/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**0.31 J**	<0.50	**0.53**	<0.50
	11/30/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**2.42**	<0.50	**3.76**	<0.50
	12/13/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	**0.25 J**	<0.5	<0.50	<0.50
	3/26/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	**0.64 J**	<0.07	**1.60**	<0.14
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**2.35**	<0.50	**6.69**	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**3.28**	<0.50	**6.99**	<0.50
	12/11/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	<0.50	<0.50
	3/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.100	--	--	--	--	--	--	--	--	--	--	--	**2.20**	--	**3.90**	<0.500
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.100	--	--	--	--	--	--	--	--	--	--	--	**0.780**	--	**1.30**	<0.500
	9/19/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500
	12/23/2014	--	--	<20	<0.25	<0.5	<1	<1	<1	<5	<10	<1	<1	<1	<0.5	<0.5	<5	<1	<5	<1	<1	<5	<1	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5
	3/16/2015	--	--	<20	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500
MW-49	8/19/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	**0.12 J**	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**27**	<0.50	**33**	<0.50
	6/2/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	**0.23 J**	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**36.8**	<0.50	**45**	<0.50
	11/30/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	**0.15 J**	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**30.9**	**0.13 J**	**0.21 J**	<0.50
	6/1/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**9.16**	<0.50	**7.08**	<0.50
	12/13/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	**0.12 J**	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**20.9**	<0.50	**21.0**	**0.20 J**
	3/27/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	**0.063 J**	<0.11	<0.09	<0.12	<0.09	<0.10	**0.13 J**	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	**17.0**	<0.07	**16.0**	<0.14
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**4.10**	<0.50	**3.57**	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**25.7**	<0.50	**6.89**	<0.50
	6/18/2013	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**8.56**	<0.50	**5.89**	<0.50
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	**13.2**	--	**8.19**	<0.50
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	**5.59**	--	**3.10**	<0.500
	12/17/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**11.4**	<0.500	**6.92**	<0.500
	6/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	**6.60**	--	**3.52**	--

Please refer to notes at end of table.

Table D-1
Area 1 Historical Groundwater Analytical Results
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene
		mg/L (ppm)		Concentrations in µg/L (ppb)																													
MW-50	11/29/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	0.18 J	<0.50	<0.50	1.33
	11/29/2010 DUP	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	0.17 J	<0.50	<0.50	1.39
	12/13/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.50	<0.5	<0.50	1.14
	3/26/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	0.12 J	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	0.52 J	<0.07	0.33 J	0.59 J
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	0.94
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/17/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	<0.50	<0.50
	12/23/2014	--	--	<20	<0.25	<0.5	<1	<1	<1	<5	<10	<1	<1	<1	<0.5	<0.5	<5	<1	<5	<1	<1	<5	<1	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	0.450 J
MW-51	8/19/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	14.5	<0.50	14.1	0.09 J
	12/7/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	2.77	<0.50	3.05	0.22 J
	3/16/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	2.74	<0.50	2.94	<0.50
	6/2/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	16	<0.50	19.1	<0.50
	8/31/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.11 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	17.5	<0.50	19.1	<0.50
	8/31/10 DUP	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.11 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	17.9	<0.50	20.2	<0.50
	11/29/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	4.05	<0.50	3.76	0.20 J
	6/1/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	4.29	<0.50	4.6	0.26 J
	9/15/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	2.42	<0.50	3.38	0.61
	12/13/2011	--	--	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	3.21	<0.50	2.78	1.44
	3/26/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	5.30	<0.07	2.90	0.51 J
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	2.52	<0.50	3.17	<0.50
	9/28/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	1.26	<0.50	2.20	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	1.12	<0.50	0.70	<0.50
	3/22/2013	--	--	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	3.48	<0.50	2.43	<0.50
	6/18/2013	--	--	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	2.29	<0.50	2.14	<0.50
	9/9/2013	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.32	<0.500	2.48	<0.500
	12/11/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	1.77	--	1.12	<0.50
	3/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	0.650	--	0.740	<0.500
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	2.87	--	1.61	<0.500
	9/19/2014	--	--	<20.0	<0.250	<0.250	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.70	<0.500	1.63	<0.500
	12/23/2014	--	--	<20	<0.25	<0.5	<1	<1	<1	<5	<10	<1	<1	<1	<0.5	<0.5	<5	<1	<5	<1	<1	<5	<1	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5
	3/15/2015	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.39	<0.500	2.23	<0.500
	6/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	4.49	--	2.44	--
MW-52	8/19/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	12.3	<0.50	28	<0.50
	12/7/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.14 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	26.3	0.23 J	57.9	<0.50
	3/16/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.14 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	26.1	<0.50	57.6	<0.50
	3/16/2010 DUP	--	--	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<10.0	--	--	--	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	25.4	<1.0	56.2	<1.0
	6/2/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.13 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	24.3	<0.50	53.8	<0.50
	8/31/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.20 J	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	22.9	<0.50	59.1	0.13 J
	12/2/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	12.7	0.10 J	24.6	0.13 J
	6/2/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	0.11 J	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	16.1	<0.5	31.2	0.11 J
	9/15/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	0.12 J	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	13.8	<0.5	41.1	<0.50
	12/13/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	0.11 J	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	12.4	<0.5	30.7	<0.50
	3/29/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.10 J	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	11.0	<0.07	23.0	0.20 J
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	9.51	<0.50	22.2	<0.50
	9/28/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	0.64	<0.50	0.72	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	7.47	<0.50	18.8	<0.50
	3/22/2013	--	--	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	0.64	<0.50
	6/18/2013	--	--	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	2.00	<0.50	4.69	<0.50
	9/9/2013	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.620	<0.500	0.780	<0.500
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	2.92	--	7.53	<0.50
	3/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.100	--	--	--	--	--	--	--	--	--	--	--	3.75	--	8.43	<0.500
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.100	--	--	--	--	--	--	--	--	--	--	--	1.92	--	4.44	<0.500
	9/19/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.420 J	<0.500	0.370 J	<0.500
	12/18/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	9.37	<0.500	47.7	<0.500
	3/15/2015	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.22	<0.500	5.01	<0.500
MW-53	12/7/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/7/2009 DUP	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/2/2010	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/13/2011	--	--	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.50	<0.5	<0.50	<0.50
	3/27/2012	--	--	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	<0.09	<0.07	<0.15	<0.14
	7/5/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/4/2012	--	--	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	<0.50	<0.50
	12/18/2014	--	--	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500
MW-62	6/11/2014	<0.236	<0.472	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	--	--	--	--	--	15.4	--	<0.500	<0.500
MW-66	12/7/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50

Please refer to notes at end of table.

Table D-1
Area 1 Historical Groundwater Analytical Results
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene
		mg/L (ppm)		Concentrations in µg/L (ppb)																													
MW-70	8/19/2009	–	–	–	–	<0.50	–	<0.50	<1.0	<5.0	–	–	–	–	<0.50	<0.50	<0.50	<0.50	<5.0	–	–	–	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**5.9**	<0.50	**1.81**	<0.50
	3/16/2010	–	–	–	–	<0.50	–	<0.50	<1.0	<5.0	–	–	–	–	<0.50	<0.50	<0.50	<0.50	<5.0	–	–	–	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**4.8**	**2.16**	**1.35**	<0.50
	6/2/2010	–	–	–	–	<0.50	–	<0.50	<1.0	<5.0	–	–	–	–	<0.50	<0.50	<0.50	<0.50	<5.0	–	–	–	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**1.25**	<0.50	**0.38 J**	<0.50
	8/31/2010	–	–	–	–	<0.50	–	<0.50	<1.0	<5.0	–	–	–	–	<0.50	<0.50	<0.50	<0.50	<5.0	–	–	–	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**0.23 J**	<0.50	<0.50	<0.50
	11/30/2010	–	–	–	–	<0.50	–	<0.50	<1.0	<5.0	–	–	–	–	<0.50	<0.50	<0.50	<0.50	<5.0	–	–	–	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**2.72**	<0.50	**1.06**	<0.50
	6/1/2011	–	–	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	**0.12 J**	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**2.27**	<0.50	**6.19**	<0.50
	9/15/2011	–	–	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**0.45 J**	<0.50	**0.71**	<0.50
	12/14/2011	–	–	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**0.85**	<0.50	**0.42 J**	<0.50
	3/27/2012	–	–	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	**0.87 J**	<0.07	**1.50**	<0.14
	7/5/2012	–	–	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**0.98**	<0.50	**2.42**	<0.50
	9/28/2012	–	–	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**0.76**	<0.50	**0.79**	<0.50
	12/4/2012	–	–	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**0.60**	<0.50	<0.50	<0.50
	3/22/2013	–	–	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	6/18/2013	–	–	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	9/9/2013	–	–	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500
	12/13/2013	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<1.0	–	–	–	–	–	–	–	–	–	–	–	**1.33**	–	<0.50	<0.50
	3/24/2014	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<0.100	–	–	–	–	–	–	–	–	–	–	–	<0.500	–	<0.500	<0.500
	6/11/2014	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<0.100	–	–	–	–	–	–	–	–	–	–	–	<0.500	–	<0.500	<0.500
	9/19/2014	–	–	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**0.460 J**	<0.500	<0.500	<0.500
	12/18/2014	–	–	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500
	3/15/2015	–	–	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500
	6/30/2015	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<1.00	–	–	–	–	–	–	–	–	–	–	–	<0.500	–	<0.500	<0.500
MW-71	6/2/2010	–	–	–	–	<1.0	–	<1.0	<2.0	<10.0	–	–	–	–	<1.0	<1.0	<1.0	**0.24 J**	<10	–	–	–	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	**41**	1.2	**43.3**	<1.0
	11/30/2010	–	–	–	–	<1.0	–	<1.0	<2.0	<10.0	–	–	–	–	<1.0	<1.0	<1.0	**0.56 J**	<10	–	–	–	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	**56.6**	1.2	**91.2**	<1.0
	6/1/2011	–	–	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**8.36**	<0.50	**4.65**	**0.10 J**
	12/14/2011	–	–	<50	<0.40	<1.0	<2.0	<1.0	<2.0	<10.0	<20	<10	<2.0	<2.0	<1.0	<1.0	<1.0	**0.30 J**	<10	<2.0	<2.0	<10	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	**50.1**	**0.64 J**	**73.6**	<1.0
	3/26/2012	–	–	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	**0.17 J**	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	**21.0**	<0.07	**13.0**	<0.14
	7/5/2012	–	–	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**9.78**	<0.50	**6.56**	<0.50
	12/4/2012	–	–	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	**43.50**	<0.50
	6/18/2013	–	–	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**25.9**	<0.50	**27.1**	<0.50
	12/12/2013	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<1.0	–	–	–	–	–	–	–	–	–	–	–	**25.2**	–	**35.2**	<0.50
	6/11/2014	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<1.00	–	–	–	–	–	–	–	–	–	–	–	**18.8**	–	**23.7**	<0.500
	7/6/2015	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<1.00	–	–	–	–	–	–	–	–	–	–	–	**26.4**	–	**41.1**	<0.500
WEX-60	12/8/2009	**0.0182 J**	<0.481	–	–	<0.50	–	<0.50	<1.0	<5.0	–	–	–	–	<0.50	<0.50	<0.50	<0.50	<5.0	–	–	–	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50
	3/16/2010	–	–	–	–	<1.0	–	<1.0	<2.0	<10.0	–	–	–	–	<1.0	<1.0	<1.0	**0.26 J**	<10.0	–	–	–	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	**47.7**	<1.0	**67.1**	<1.0
	6/2/2010	–	–	–	–	<1.0	–	<1.0	<2.0	<10.0	–	–	–	–	<1.0	<1.0	<1.0	**0.22 J**	<10.0	–	–	–	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	**38.2**	<1.0	**56.5**	<1.0
	8/31/2010	–	–	–	–	<0.50	–	<0.50	<1.0	<5.0	–	–	–	–	<0.50	**0.19 J**	<0.50	**0.20 J**	<5.0	–	–	–	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**37.4**	**0.26 J**	**42.6**	**0.17 J**
	11/31/2010	**0.0832 J**	<0.476	–	–	<1.0	–	<1.0	<2.0	<10.0	–	–	–	–	<1.0	<1.0	<1.0	**0.22 J**	<10.0	–	–	–	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	**38.6**	<1.0	**46.9**	**0.24 J**
	11/31/2010 DUP	**0.0815 J**	<0.476	–	–	<1.0	–	<1.0	<2.0	<10.0	–	–	–	–	<1.0	<1.0	<1.0	**0.26 J**	<10.0	–	–	–	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	**38.1**	<1.0	**46.8**	**0.24 J**
	6/1/2011	**0.0366**	<0.50	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	**0.14 J**	<0.50	**0.09 J**	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**14.7**	<0.50	**20.4**	**0.17 J**
	6/1/2011 DUP	–	–	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	**0.11 J**	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**2.36**	<0.50	**6.65**	<0.50
	9/15/2011	<0.098	<0.49	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	**0.11 J**	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**20**	<0.50	**24.4**	**0.18 J**
	9/15/2011 DUP	**0.0416 J**	<0.481	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	**0.10 J**	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**19.7**	<0.50	**24.8**	**0.21 J**
	12/13/2011	**0.0671**	<0.49	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	**0.14 J**	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	**26.6**	<0.50	**34.6**	**0.20 J**
	3/29/2012	**0.065 JZ**	<0.038	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	**0.12 J**	<0.12	<0.09	<0.12	<1.0	<1.0	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	**18.0**	<0.07	**23.0**	**0.17 J**
	7/5/2012	<0.234	<0.467	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**9.92**	<0.50	**17.6**	<0.50
	7/5/2012 DUP	<0.234	<0.467	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**9.64**	<0.50	**16.4**	<0.50
	9/28/2012	<0.187	<0.374	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**21.8**	<0.50	**24.1**	<0.50
	9/28/12 DUP	<0.187	<0.374	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**20.8**	<0.50	**24.5**	<0.50
	12/4/2012	<0.187	<0.374	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**22.6**	<0.50	**21.5**	<0.50
	12/4/2012 DUP	<0.187	<0.374	<20	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**23.20**	<0.50	**19.6**	<0.50
	3/22/2013	<0.189	<0.377	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**18.8**	<0.50	**21.9**	<0.50
	3/22/2013 DUP	<0.187	<0.374	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**18.9**	<0.50	**22.1**	<0.50
	6/18/2013	<0.194	<0.388	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**14.2**	<0.50	**18.2**	<0.50
	6/18/2013 DUP	<0.192	<0.385	<20	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	**14.4**	<0.50	**18.7**	<0.50
	9/9/2013	<0.238	<0.476	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**21.3**	<0.500	**22.6**	<0.500
	12/11/2013	<0.245	<0.490	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<1.0	–	–	–	–	–	–	–	–	–	–	–	**19.8**	–	**19.7**	<0.50
	12/12/2013	<0.240	<0.481	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<1.0	–	–	–	–	–	–	–	–	–	–	–	**20.2**	–	**20.2**	<0.50
	3/24/2014	<0.236	<0.472	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<0.100	–	–	–	–	–	–	–	–	–	–	–	**15.2**	–	**17.3**	<0.500
	3/24/2014 DUP	<0.236	<0.472	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<0.100	–	–	–	–	–	–	–	–	–	–	–	**15.7**	–	**18.0**	<0.500
	6/11/2014	<0.236	<0.472	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<0.100	–	–	–	–	–	–	–	–	–	–	–	**11.1**	–	**15.6**	<0.500
	6/11/2014 DUP	<0.236	<0.472	–	–	–	–	–	–	–	–	–	–	–	–	–	–	<0.100	–	–	–	–	–	–	–	–	–	–	–	**12.3**	–	**19.0**	<0.500
	10/29/2014	**0.131 J**	<0.385	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**18.7**	<0.500	**11.3**	<0.500
	10/29/2014 DUP	**0.102 J**	<0.392	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**16.0**	<0.500	**9.64**	<0.500
	12/18/2014	<0.236	<0.472	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**1.30**	<0.500	**0.810**	<0.500
	12/18/2014 DUP	<0.236	<0.472	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**1.39**	<0.500	**0.960**	<0.500
	3/15/2015	<0.260	<0.521	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	**7.38**	<0.500	**4.01**	<0.500
	6/30/2015	<0.0943	<0.189															<1.00												**14.60**		**6.32**	

Please refer to notes at end of table.

Table D-1
Area 1 Historical Groundwater Analytical Results -
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																																	
MW-19	12/7/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	0.11 J	<0.50	<0.50	--	--	<0.50	--	--
	12/14/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	<0.50	<0.5	0.14 J	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/30/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	0.20 J	<0.09	<1.0	<0.14	<0.10	<0.50	0.14 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/13/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	12/18/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.50	<1.00	<2.00	<2.00	<0.50	<0.500	0.290 J	<2.00	<1.00	<1.00	<1.00	<0.500	<1.0	#N/A
MW-21	8/19/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	4.03	--	--	--	7.07	<0.50	0.91	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	4.67	--	--	--	26.6	<0.50	0.52	<0.50	<0.50	--	--	<0.50	--	--
	11/30/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	3.56	--	--	--	24.1	<0.50	0.47 J	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	0.23 J	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	2.53	<1.0	<1.0	<1.0	31.1	<0.50	0.49 J	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/13/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	2.80	<1.0	<1.0	<1.0	6.75	<0.50	0.58	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/26/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	2.90	<0.09	<1.0	<0.14	25	<0.50	0.42 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.21	<1.0	<2.0	<2.0	16.0	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	3.03	<1.0	<2.0	<2.0	27.0	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.38	<1.0	<2.0	<2.0	9.36	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/13/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.78	--	--	--	1.37	--	0.720	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.77	--	--	--	12.60	--	<0.500	--	--	--	--	--	--	--
	12/18/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	2.90	<1.00	<2.00	<2.00	6.75	<0.500	0.790	<2.00	<1.00	<1.00	<1.00	<0.500	<1.0	<0.500
	6/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.47	--	--	--	0.56	--	0.640	--	--	--	--	--	--	--
MW-22	11/30/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/14/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	<0.50	<0.5	<0.50	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/26/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	0.11 J	<1.0	<0.14	<0.10	<0.50	<0.14	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/13/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	12/18/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.50	<2.00	<1.00	<1.00	<1.00	<0.500	<1.0	<0.500
MW-27	8/19/2009	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--	<10	--	--	--	<1.0	<1.0	11.3	--	--	--	29.3	<1.0	0.82 J	<1.0	<1.0	--	--	<1.0	--	--
	6/2/2010	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--	<10	--	--	--	<1.0	<1.0	12	--	--	--	27.5	<1.0	0.78 J	<1.0	<1.0	--	--	<1.0	--	--
	11/30/2010	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--	<10	--	--	--	<1.0	<1.0	9.14	--	--	--	17.5	<1.0	0.64 J	<1.0	<1.0	--	--	<1.0	--	--
	6/1/2011	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<2.0	<8.0	<20	<4.0	<4.0	<10	<2.0	<10	<4.0	<2.0	<2.0	<1.0	<1.0	7.6	<2.0	<2.0	<2.0	21.2	<1.0	0.64 J	<1.0	<1.0	<2.0	<2.0	<1.0	<4.0	<2.0
	12/13/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	5.42	<1.0	<1.0	<1.0	14.1	<0.50	0.70	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/13/2011 DUP	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	5.57	<1.0	<1.0	<1.0	13	<0.50	0.74	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/26/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	7.30	<0.09	<1.0	<0.14	24	<0.50	0.67 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	3/26/2012 DUP	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	7.7	<0.09	<1.0	<0.14	24	<0.50	0.69 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	5.64	<1.0	<2.0	<2.0	17.7	<0.50	0.63	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	6.03	<1.0	<2.0	<2.0	21.0	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	4.03	<1.0	<2.0	<2.0	7.20	<1.0	0.56	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/13/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.28	--	--	--	8.89	--	0.500	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.17	--	--	--	5.54	--	<0.500	--	--	--	--	--	--	--
	12/18/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	4.46	<1.00	<2.00	<2.00	9.04	<0.500	0.760	<2.00	<1.00	<1.00	<1.00	0.840	<1.0	<0.500
	6/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.84	--	--	--	1.55	--	0.690	--	--	--	--	--	--	--
	6/30/2015 DUP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.90	--	--	--	1.56	--	0.700	--	--	--	--	--	--	--
MW-36	8/19/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	3.75	--	--	--	55.5	<0.50	0.39 J	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	3.45	--	--	--	57.6	<0.50	0.22 J	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	2.56	--	--	--	39.6	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010 DUP	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	2.63	--	--	--	40.2	<0.50	0.08 J	<0.50	<0.50	--	--	<0.50	--	--
	8/31/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	0.19 J	--	--	--	<0.50	<0.50	3.93	--	--	--	39.7	<0.50	0.31 J	<0.50	<0.50	--	--	<0.50	--	--
	8/31/2010 DUP	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	0.17 J	--	--	--	<0.50	<0.50	3.73	--	--	--	37.6	<0.50	0.28 J	<0.50	<0.50	--	--	<0.50	--	--
	11/30/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	3.64	--	--	--	40.5	<0.50	0.23 J	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	1.33	<1.0	<1.0	<1.0	12.1	<0.50	0.26 J	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	9/15/2011	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<2.0	<8.0	<20	<4.0	<4.0	<10.0	<2.0	<10.0	<4.0	<2.0	<2.0	<1.0	<1.0	2.36	<2.0	<2.0	<2.0	26.4	<1.0	0.24 J	<1.0	<1.0	<2.0	<2.0	<1.0	<4.0	<2.0
	12/14/2011	<2.5	<2.5	<5.0	<5.0	<5.0	<2.5	<2.5	<5.0	<20.0	<50.0	<10.0	<10.0	<25.0	<5.0	<25.0	<10.0	<5.0	<5.0	<2.5	<2.5	2.20 J	<5.0	<5.0	<5.0	21.0	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0	<2.5	<5.0	<10.0
	3/30/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	1.60	<0.09	<1.0	<0.14	13	<0.50	0.22 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	0.80	<1.0	<2.0	<2.0	4.37	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.91	<1.0	<2.0	<2.0	23.1	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	0.61	<1.0	<2.0	<2.0	5.11	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/19/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/9/2013	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<5.00	<1.00	<5.00	<2.00	<1.00	<1.00	<1.00	<5.00	<1.00	<5.00
	9/9/2013 DUP	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<5.00	<1.00	<5.00	<2.00	<1.00	<1.00	<1.00	<5.00	<1.00	<5.00
	12/13/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.44	--	--	--	10.7	--	<0.50	--	--	--	--	--	--	--
	3/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	<0.500	--	<0.500	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	<0.500	--	<0.500	--	--	--	--	--	--	--
	9/19/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.00	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.84	<1.00	<2.00	<2.00	10.7	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/18/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/9/2015 DUP	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.94	<1.00	<2.00	<2.00	9.34	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/9/2015	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.88	<1.00	<2.00	<2.00	9.61	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	0.36	--	<0.500	--	--	--	--	--	--	--
MW-38	8/19/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	1.97	--	--	--	54.6	<0.50	0.32 J	<0.50	<0.50	--	--	<0.50	--	--

Please refer to notes at end of table.

Table D-1
Area 1 Historical Groundwater Analytical Results -
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																																	
MW-39	8/19/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.23 J**	--	--	--	**8.75**	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**1.09**	--	--	--	**43**	<0.50	**0.26 J**	<0.50	<0.50	--	--	<0.50	--	--
	11/30/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.55**	--	--	--	**12.5**	<0.50	**0.19 J**	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	**0.18 J**	<0.50	**1.42**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/13/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**0.20 J**	<1.0	<1.0	<1.0	**4.54**	<0.50	**0.27 J**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/27/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	<0.09	<1.0	<0.14	**0.90 J**	<0.50	**0.61 J**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**1.64**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/3/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**1.44**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**2.70**	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/13/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	**4.43**	--	<0.50	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	**2.72**	--	<0.500	--	--	--	--	--	--	--
	12/18/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.480 J**	--	--	--	**5.02**	--	**0.380 J**	--	--	--	--	--	--	--
	7/6/2015	--	--	--																		<0.500	--	--	--	<0.500	--	<0.500	--	--	--	--	--	--	--
MW-41	12/1/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.17 J**	--	--	--	**0.85**	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/14/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	**1.35**	<0.5	<0.50	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/26/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	**0.14 J**	<0.09	<1.0	<0.14	**0.44 J**	<0.50	<0.14	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**0.63**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/16/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	**0.680**	--	<0.50	--	--	--	--	--	--	--
	12/23/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	<0.500	--	<0.500	--	--	--	--	--	--	--
MW-42	11/30/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.11 J**	--	--	--	**12.6**	<0.50	**0.16 J**	<0.50	<0.50	--	--	<0.50	--	--
	12/14/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	**3.07**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/26/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	<0.09	<1.0	<0.14	**1.8**	<0.50	**0.15 J**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/17/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	**0.960**	--	<0.50	--	--	--	--	--	--	--
	12/18/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	**5.28**	--	**0.360 J**	--	--	--	--	--	--	--
MW-43	11/29/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	**0.38 J**	<0.50	**1.51**	<0.50	<0.50	--	--	<0.50	--	--
	12/13/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	**0.91**	<0.5	**1.16**	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/26/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	<0.09	<1.0	<0.14	**0.49 J**	<0.50	**1.70**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	**0.70**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**0.75**	<0.50	**1.05**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/17/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	3/25/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	<0.500	--	<0.500	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	<0.500	--	<0.500	--	--	--	--	--	--	--
	9/19/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.0	<10.0	<1.0	<1.0	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/23/2014	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<5	<10	<1	<1	<10	<1	<5	<2	<0.5	<1	<0.5	<0.5	<0.5	<1	<2	<2	<0.5	<0.5	<0.500	<2	<1	<1	<1	<0.5	<1.00	<0.5
	3/16/2015	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10	<1.00	<1.00	<10	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	7/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	**2.38**	--	**0.69**	--	--	--	--	--	--	--
MW-45	8/19/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	**0.22 J**	<0.50	**0.11 J**	<0.50	<0.50	--	--	<0.50	--	--
MW-44	8/19/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	**0.68**	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	8/19/2009 DUP	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	**0.7**	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/7/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	**0.27 J**	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	11/30/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.27 J**	--	--	--	**2.6**	<0.50	**0.08 J**	<0.50	<0.50	--	--	<0.50	--	--
	12/13/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	<0.50	<0.5	<0.50	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/26/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	**0.10 J**	<0.09	<1.0	<0.14	**0.39 J**	<0.50	<0.14	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**1.19**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**1.35**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/11/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	3/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	**0.910**	--	<0.500	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	<0.500	--	<0.500	--	--	--	--	--	--	--
	9/19/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/23/2014	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<5	<10	<1	<1	<10	<1	<5	<2	<0.5	<1	<0.5	<0.5	<0.5	<1	<2	<2	<0.5	<0.5	<0.500	<2	<1	<1	<1	<0.5	<1.00	<0.5
	3/16/2015	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10	<1.00	<1	<10	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
MW-49	8/19/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**1.21**	--	--	--	**29.6**	<0.50	**0.32 J**	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**2.08**	--	--	--	**47.3**	<0.50	**0.28 J**	<0.50	<0.50	--	--	<0.50	--	--
	11/30/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**1.82**	--	--	--	**31.4**	<0.50	**0.29 J**	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**0.83**	<1.0	<1.0	<1.0	**14.5**	<0.50	**0.49**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/13/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**1.34**	<1.0	<1.0	<1.0	**21.7**	<0.50	**0.61**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/27/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	**0.91 J**	<0.09	<1.0	<0.14	**17.0**	<0.50	**0.37 J**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	--	<1.0	<2.0	<2.0	**5.40**	<0.50	**0.73**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**9.84**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**0.63**	<1.0	<2.0	<2.0	**5.99**	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.640**	--	--	--	**7.91**	--	<0.50	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	**4.04**	--	<0.500	--	--	--	--	--	--	--
	12/17/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	**0.600**	<1.00	<2.00	<2.00	**6.39**	<0.500	**0.670**	<2.00	<1.00	<1.00	<1.00	0.500	<1.0	<0.500
	6/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.430**	--	--	--	**3.52**	--	**0.280**	--	--	--	--	--	--	--

Please refer to notes at end of table.

Table D-1
Area 1 Historical Groundwater Analytical Results -
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																																	
MW-50	11/29/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.13 J**	--	--	--	**0.14 J**	<0.50	**2.26**	<0.50	<0.50	--	--	<0.50	--	--
	11/29/2010 DUP	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.12 J**	--	--	--	**0.18 J**	<0.50	**2.34**	<0.50	<0.50	--	--	<0.50	--	--
	12/13/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	<0.50	<0.5	**2.20**	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/26/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	<0.09	<1.0	<0.14	**0.81 J**	<0.50	**1.50**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	**1.72**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	**1.41**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/17/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	**0.690**	--	--	--	--	--	--	--
	12/23/2014	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<5	<10	<1	<1	<10	<1	<5	<2	<0.5	<1	<0.5	<0.5	<0.5	<1	<2	<2	<0.5	<0.5	**1.66**	<2	<1	<1	<1	<0.5	<1.0	<0.5
MW-51	8/19/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.93**	--	--	--	**17.9**	<0.50	**0.97**	<0.50	<0.50	--	--	<0.50	--	--
	12/7/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.53**	--	--	--	**2.3**	<0.50	**0.82**	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.28 J**	--	--	--	**2.95**	<0.50	**0.37 J**	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.67**	--	--	--	**21.3**	<0.50	**0.54**	<0.50	<0.50	--	--	<0.50	--	--
	8/31/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.88**	--	--	--	**19.8**	<0.50	**0.48 J**	<0.50	<0.50	--	--	<0.50	--	--
	8/31/10 DUP	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.92**	--	--	--	**20.8**	<0.50	**0.48 J**	<0.50	<0.50	--	--	<0.50	--	--
	11/29/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.6**	--	--	--	**3.42**	<0.50	**0.30 J**	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**0.71**	<1.0	<1.0	<1.0	**4.55**	<0.50	**0.75**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	9/15/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**0.48 J**	<1.0	<1.0	<1.0	**1.64**	<0.50	**1.21**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	**0.09 J**
	12/13/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**0.46 J**	<1.0	<1.0	<1.0	**1.21**	<0.50	**2.41**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/26/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	**0.49 J**	<0.09	<1.0	<0.14	**3.80**	<0.50	**1.40**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**1.81**	<0.50	**1.03**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**0.96**	<0.50	**1.14**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	**0.89**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	**2.35**	<0.50	**0.63**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**2.25**	<1.0	**0.77**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/9/2013	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	**2.34**	<1.00	**0.590**	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/11/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	**1.08**	--	**0.520**	--	--	--	--	--	--	--
	3/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	<0.500	--	<0.500	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	**2.32**	--	**0.530**	--	--	--	--	--	--	--
	9/19/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	**1.17**	<0.500	**0.580**	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/23/2014	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<5	<10	<1	<1	<10	<1	<5	<2	<0.5	<1	<0.5	<0.5	<0.5	<1	<2	<2	<0.500	<0.5	<0.500	<2	<1	<1	<1	<0.5	<1.00	<0.5
	3/15/2015	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.310	<1.00	<2.00	<2.00	**1.31**	<0.500	**1.18**	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/26/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	**1.92**	--	**1.03**	--	--	--	--	--	--	--
MW-52	8/19/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**1.37**	--	--	--	**7.35**	<0.50	**0.33 J**	<0.50	<0.50	--	--	<0.50	--	--
	12/7/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**2.64**	--	--	--	**17.9**	<0.50	**0.78**	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**2.58**	--	--	--	**16.2**	<0.50	**0.71**	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010 DUP	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--	<10.0	--	--	--	<1.0	<1.0	**2.46**	--	--	--	**15.6**	<1.0	**0.62 J**	<1.0	<1.0	--	--	<1.0	--	--
	6/2/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**2.64**	--	--	--	**16.2**	<0.50	**0.81**	<0.50	<0.50	--	--	<0.50	--	--
	8/31/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**3.7**	--	--	--	**14**	<0.50	**0.66**	<0.50	<0.50	--	--	<0.50	--	--
	12/22/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**1.43**	--	--	--	**7.7**	<0.50	**0.44 J**	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	**1.69**	<1.0	<2.0	<2.0	**11.5**	<0.5	**0.64**	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	9/15/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	**2.76**	<1.0	<2.0	<2.0	**8.8**	<0.5	**0.52**	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	12/13/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	**1.64**	<1.0	<2.0	<2.0	**8.59**	<0.5	**0.71**	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/29/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	**1.30**	<0.09	<1.0	<0.14	**6.60**	<0.50	**0.74 J**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.25**	<1.0	<2.0	<2.0	**7.33**	<0.50	**0.81**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.01**	<1.0	<2.0	<2.0	**5.06**	<0.50	**0.95**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	**0.83**	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/9/2013	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<1.00	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	**1.56**	--	<0.50	--	--	--	--	--	--	--
	3/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	**2.07**	--	<0.500	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	**0.860**	--	<0.500	--	--	--	--	--	--	--
	9/19/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/18/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	**2.67**	<1.00	<2.00	<2.00	**3.69**	<0.500	**0.730**	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/15/2015	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	**0.350**	<1.00	<2.00	<2.00	**0.260**	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
MW-53	12/7/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/7/2009 DUP	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/22/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/13/2011	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	<0.50	<0.5	<0.50	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/27/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	<0.09	<1.0	<0.14	<0.10	<0.50	<0.14	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	12/18/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.50	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
MW-62	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.500	--	--	--	<0.500	--	<0.500	--	--	--	--	--	--	--
MW-66	12/7/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--

Please refer to notes at end of table.

Table D-1
Area 1 Historical Groundwater Analytical Results -
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																																	
MW-70	8/19/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**5.2**	--	--	--	**31.2**	<0.50	**0.4 J**	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**7.79**	--	--	--	**34.4**	<0.50	**0.45 J**	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**1.44**	--	--	--	**5.41**	<0.50	**0.08 J**	<0.50	<0.50	--	--	<0.50	--	--
	8/31/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**0.21 J**	--	--	--	**0.63**	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	11/30/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**3.7**	--	--	--	**11.7**	<0.50	**0.23 J**	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**10.8**	<1.0	<1.0	<1.0	**56.9**	<0.50	**0.45 J**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	9/15/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**2.36**	<1.0	<1.0	<1.0	**6.92**	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	**0.09 J**
	12/14/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**2.25**	<1.0	<1.0	<1.0	**4.84**	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/27/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	**4.40**	<0.09	<1.0	<0.14	**13.0**	<0.50	**0.16 J**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**6.00**	<1.0	<2.0	<2.0	**20.1**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**2.68**	<1.0	<2.0	<2.0	**7.85**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.37**	<1.0	<2.0	<2.0	**3.83**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**0.91**	<1.0	<5.0	<5.0	**1.74**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**2.35**	<1.0	<2.0	<2.0	**2.84**	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/9/2013	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	**0.770**	<1.00	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/13/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.91**	--	--	--	**3.68**	--	<0.50	--	--	--	--	--	--	--
	3/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.04**	--	--	--	**2.70**	--	<0.500	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.860**	--	--	--	**1.61**	--	<0.500	--	--	--	--	--	--	--
	9/19/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	**0.850**	<1.00	<2.00	<2.00	**1.74**	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/18/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	**0.560**	<1.00	<2.00	<2.00	**0.810**	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/15/2015	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	**1.01**	<1.00	<2.00	<2.00	**1.43**	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.59**	--	--	--	**1.10**	--	--	--	--	--	--	--	--	--
MW-71	6/2/2010	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--	<10	--	--	--	<1.0	<1.0	**2.96**	--	--	--	**68**	<1.0	<1.0	<1.0	<1.0	--	--	<1.0	--	--
	11/30/2010	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--	<10	--	--	--	<1.0	<1.0	**4.0**	--	--	--	**84.8**	<1.0	**0.34 J**	<1.0	<1.0	--	--	<1.0	--	--
	6/1/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**0.76**	<1.0	<1.0	<1.0	**15.1**	<0.50	**0.55**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/14/2011	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<2.0	<8.0	<20	<4.0	<4.0	<10	<2.0	**0.46 J**	<4.0	<2.0	<2.0	<1.0	<1.0	**4.98**	<2.0	<2.0	<2.0	**33.8**	<1.0	**0.46 J**	<1.0	<1.0	<2.0	<2.0	<1.0	<4.0	<2.0
	3/26/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	**1.70**	<0.09	<1.0	<0.14	**31.0**	<0.50	**0.20 J**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**0.91**	<1.0	<2.0	<2.0	**13.9**	<0.50	**0.55**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**2.02**	<1.0	<2.0	<2.0	**36.8**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.74**	<1.0	<2.0	<2.0	**18.2**	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2.04**	--	--	--	**15.0**	--	<0.50	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.24**	--	--	--	**12.2**	--	**0.510**	--	--	--	--	--	--	--
	6/30/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2.53**	--	--	--	**10.8**	--	**0.340**	--	--	--	--	--	--	--
WEX-60	12/8/2009	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--	<10.0	--	--	--	<1.0	<1.0	**3.16**	--	--	--	**46.2**	<1.0	**0.42 J**	<1.0	<1.0	--	--	<1.0	--	--
	6/2/2010	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--	<10.0	--	--	--	<1.0	<1.0	**3.14**	--	--	--	**43.3**	<1.0	**0.24 J**	<1.0	<1.0	--	--	<1.0	--	--
	8/31/2010	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	**2.86**	--	--	--	**35.8**	<0.50	**0.41 J**	<0.50	<0.50	--	--	<0.50	--	--
	11/31/2010	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--	<10.0	--	--	--	<1.0	<1.0	**3.0**	--	--	--	**36.2**	<1.0	**0.36 J**	<1.0	<1.0	--	--	<1.0	--	--
	11/31/2010 DUP	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--	<10.0	--	--	--	<1.0	<1.0	**3.04**	--	--	--	**36**	<1.0	**0.36 J**	<1.0	<1.0	--	--	<1.0	--	--
	6/1/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**1.69**	<1.0	<1.0	<1.0	**12.2**	<0.50	**0.64**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	6/1/2011 DUP	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**10.8**	<1.0	<1.0	<1.0	**58.2**	<0.50	**0.44 J**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	9/15/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**1.93**	<1.0	<1.0	<1.0	**17**	<0.50	**0.65**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	9/15/2011 DUP	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**1.97**	<1.0	<1.0	<1.0	**16.5**	<0.50	**0.72**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/13/2011	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	**2.37**	<1.0	<1.0	<1.0	**21.5**	<0.50	**0.68**	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/29/2012	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	**1.60**	<0.09	<1.0	<0.14	**13.0**	<0.50	**0.60 J**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.52**	<1.0	<2.0	<2.0	**6.94**	<0.50	**0.86**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	7/5/2012 DUP	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.56**	<1.0	<2.0	<2.0	**6.89**	<0.50	**0.90**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.63**	<1.0	<2.0	<2.0	**13.0**	<0.50	**0.62**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/12 DUP	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.44**	<1.0	<2.0	<2.0	**12.3**	<0.50	**0.55**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**2.03**	<1.0	<2.0	<2.0	**11.2**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012 DUP	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.49**	<1.0	<2.0	<2.0	**11.3**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**2.11**	<1.0	<5.0	<5.0	**14.1**	<0.50	**0.50**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013 DUP	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**2.14**	<1.0	<5.0	<5.0	**14.2**	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.87**	<1.0	<2.0	<2.0	**7.09**	<1.0	**0.54**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013 DUP	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	**1.96**	<1.0	<2.0	<2.0	**7.06**	<1.0	**0.56**	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/9/2013	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	**2.03**	<1.00	<2.00	<2.00	**11.1**	<1.00	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2.02**	--	--	--	**9.62**	--	<0.50	--	--	--	--	--	--	--
	12/12/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.98**	--	--	--	**9.73**	--	<0.50	--	--	--	--	--	--	--
	3/24/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.48**	--	--	--	**7.32**	--	**0.550**	--	--	--	--	--	--	--
	3/24/2014 DUP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.52**	--	--	--	**7.53**	--	**0.540**	--	--	--	--	--	--	--
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.47**	--	--	--	**5.15**	--	**0.750**	--	--	--	--	--	--	--
	6/11/2014 DUP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.50**	--	--	--	**5.63**	--	**0.870**	--	--	--	--	--	--	--
	10/29/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	**0.900**	<1.00	<2.00	<2.00	**5.66**	<0.500	**0.290 J**	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	10/29/14 DUP	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	**0.650**	<1.00	<2.00	<2.00	**4.82**	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/18/2014	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	**0.460 J**	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/18/2014 DUP	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	**0.520**	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/15/2015	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	**0.430**	<1.00	<2.00	<2.00	**2.32**	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
																						0.590				**3.79**		**0.280**							

Notes:
1. J = Result is less than the reporting limit, but greater than or equal to the detection limit.
2. Z = The chromatographic response does not resemble a typical fuel pattern.
3. -- = Not analyzed or not applicable.
4. **Bold** denotes analyte detected above reporting limit.
5. Shading denotes analyte detected above Joint Source Control Strategy Screening Level (JSCS).
6. µg/L (ppb) = micrograms per liter (parts per billion).
7. mg/L (ppm) = miligrams per liter (parts per million).

Table D-2
Area 2 Historical Groundwater Analytical Results – PAHs and Phthalates
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-N-Butyl phthalate	Di-N-Octyl phthalate
		Concentrations in µg/L (ppb)																									
MW-17	12/1/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.627 J**	<0.971	<0.971	<0.971	<0.971	<0.971
	12/1/2010 DUP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.62 J**	<0.971	<0.971	<0.971	<0.971	<0.971
	6/2/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.962	<0.962	<0.962	<0.962	<0.962	<0.962
	12/14/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.952	<0.952	<0.952	<0.952	<0.952	<0.952
	3/27/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.70 J**	<0.510	<0.510	<0.510	<0.510	<0.510
	3/27/2012 DUP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
	7/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.935	<0.935	<0.935	<0.935	<0.935	<0.935
	12/5/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.935	**1.34**	<0.935	<0.935	<0.935	<0.935
	6/19/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.08	<2.83	<2.83	<2.83	<2.83	<2.83
	6/19/2013 DUP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.08	<2.83	<2.83	<2.83	<2.83	<2.83
	12/16/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.12	<2.88	<2.88	<2.88	<2.88	<2.88
	12/16/2013 DUP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.12	<2.88	<2.88	<2.88	<2.88	<2.88
	6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.10	<2.86	<2.86	<2.86	<2.86	<2.86
	6/11/2014 DUP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.10	<2.86	<2.86	<2.86	<2.86	<2.86
	12/23/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.08	<2.83	<2.83	<2.83	<2.83	<2.83
	12/23/2014 DUP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.08	<2.83	<2.83	<2.83	<2.83	<2.83
	7/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.297**	<0.381	<0.381	<0.381	<0.381	<0.381
MW-31	8/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.952	<0.952	<0.952	<0.952	<0.952	<0.952
	8/20/2009 DUP	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.713 J**	<0.952	<0.952	<0.952	<0.952	<0.952
MW-66	12/8/2009	--	--	**0.588 J**	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.192	**0.0789 J**	<0.0962	<0.0962	<0.0962	**0.0922 J**	**0.15**	--	--	--	--	--	--	--	--
	6/3/2010	--	<0.0966	**0.218**	<0.0966	<0.0966	**0.0258**	**0.0321**	**0.0195**	<0.0966	**0.0178**	**0.0302**	<0.0966	**0.0673 J**	<0.0966	**0.0228**	<0.0966	**0.115**	**0.148**	--	--	--	--	--	--	--	--
	12/1/2010	--	--	**0.0564 J**	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.194	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	**0.0511 J**	--	--	--	--	--	--	--	--
	6/2/2011	--	<0.0957	**0.205**	<0.0957	<0.0957	**0.0823**	**0.0875**	**0.0481**	**0.0565 J**	**0.0568**	**0.0785**	**0.0119**	**0.147**	<0.0957	**0.046**	<0.0957	**0.19**	**0.224**	--	--	--	--	--	--	--	--
	12/15/2011	--	<0.0952	**0.133**	<0.0952	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	**0.0749**	<0.0952	--	--	--	--	--	--	--	--
	3/27/2012	--	<0.048	**0.14**	<0.048	<0.048	**0.012**	**0.017**	**0.012**	<0.048	**0.011**	**0.015**	--	<0.048	<0.048	**0.011**	<0.048	**0.11**	**0.08 J**	--	--	--	--	--	--	--	--
	7/6/2012	<0.0748	<0.0748	**0.191**	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	**0.102**	**0.05**	--	<0.0374	--	--	--	--	--	--
	12/5/2012	<0.0748	<0.0748	**0.114**	<0.0374	<0.0374	<0.0374	**0.04**	<0.0748 *	**0.045**	<0.0748 *	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	**0.0693**	**0.0548**	--	<0.0374	--	--	--	--	--	--
	6/19/2013	<0.151	<0.151	**0.154**	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	**0.166**	**0.113**	<0.113	<0.0755	--	--	--	--	--	--
	12/16/2013	<0.190	<0.190	0.478	<0.0952	<0.0952	<0.0952	<0.143	<0.143	<0.0952	<0.143	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.190	<0.0952	<0.0952	<0.0952	<0.0952	<10.5	<14.3	<14.4	<14.5	<14.6	<14.7
	6/11/2014	<0.0381	<0.0381	**0.180**	<0.0190	**0.0203**	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	**0.0514**	**0.139**	**0.0904**	<0.0286	<0.0190	--	--	--	--	--	--
	12/23/2014	<0.151	<0.151	**0.276**	<0.0755	<0.0755	**0.0393 J**	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	**0.114**	**0.0640 J**	<0.113	<0.0755	--	--	--	--	--	--
	6/30/2015	<0.0762	<0.0762	**0.090**	<0.0381	**0.0303**	<0.0381	<0.0571	<0.0571	<0.0381	<0.0571	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0762	<0.0381	**0.0533**	<0.0381	<0.0381	--	--	--	--	--	--
MW-81	12/8/2009	--	--	**0.697**	<0.0962	<0.0962	<0.0962	**0.0668 J**	<0.0962	**0.101**	<0.0962	<0.0962	<0.192	**0.0673 J**	<0.0962	**0.058 J**	<0.0962	**0.0543**	**0.151**	--	--	**1.03**	<0.962	<0.962	<0.962	<0.962	<0.962
	12/8/2009 DUP	--	--	**0.691**	<0.0962	<0.0962	<0.0962	**0.0517 J**	<0.0962	**0.0826 J**	<0.0962	<0.0962	<0.192	**0.0617 J**	<0.0962	<0.0962	<0.0962	**0.0509 J**	**0.136**	--	--	**0.912**	<0.962	<0.962	<0.962	<0.962	<0.962
	12/1/2010	--	--	**0.56**	<0.098	<0.098	<0.098	<0.098	<0.098	<0.098	<0.098	<0.098	<0.196	<0.098	<0.098	<0.098	<0.098	<0.098	**0.0684 J**	--	--	**0.971**	<0.952	<0.952	<0.952	<0.952	<0.952
	12/15/2011	--	<0.0952	**0.62**	<0.0952	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	<0.0952	<0.0952	--	--	<0.952	<0.952	<0.952	<0.952	<0.952	<9.52
	3/28/2012	--	<0.049	**0.35**	<0.049	<0.049	<0.0049	<0.0049	<0.0049	<0.049	<0.0049	<0.0049	--	<0.049	<0.049	<0.0049	<0.049	<0.049	<0.049	--	--	<0.510	<0.510	<0.510	<0.510	<0.510	<0.510
	7/6/2012	<0.0748	<0.0748	**0.683**	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	<0.0374	--	<0.0374	<0.935	<0.935	<0.935	<0.935	<0.935	<0.935
	12/5/2012	<0.0748	<0.0748	**0.568**	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748 *	**0.0473**	<0.0748 *	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	**0.0396**	--	<0.0374	**1.29**	**1.56**	<0.935	<0.935	<0.935	<0.935
	12/16/2013	<0.190	<0.190	**0.478**	<0.00952	<0.00952	<0.00952	<0.143	<0.143	<0.00952	<0.143	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.190	<0.0952	<0.0952	<0.143	<0.0952	<10.5	<14.3	<14.3	<14.3	<14.3	<14.3
	12/23/2014	<0.0377	<0.037	**0.511**	<0.0189	**0.0116 J**	<0.0189	<0.0283	<0.0283	**0.0227**	<0.0283	<0.0189	<0.0189	**0.0205**	<0.0189	**0.0207**	<0.0377	**0.0314**	**0.0448**	<0.0283	<0.0189	<2.08	<2.83	<2.83	<2.83	<2.83	<2.83
SMW-12	12/7/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.971	<0.971	<0.971	<0.971	<0.971	<0.971
	12/1/2010	--	--	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.192	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	--	--	--	--	--	--	--	--
	12/15/2011	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	<0.0952	<0.0952	--	--	--	--	--	--	--	--
	3/27/2012	<0.048	<0.048	<0.048	<0.048	<0.048	<0.0048	<0.0048	<0.0048	<0.048	<0.0048	<0.0048	--	<0.048	<0.048	<0.0048	<0.048	<0.048	<0.048	--	--	--	--	--	--	--	--
	7/6/2012	<0.0748	<0.0748	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	<0.0374	--	<0.0374	--	--	--	--	--	--
	7/6/2012 DUP	<0.0748	<0.0748	<0.0374	<0.0374	<0.0374	<0.0374	0.04	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	<0.0374	--	<0.0374	--	--	--	--	--	--
	12/5/2012	<0.0755	<0.0755	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0755 *	<0.0377	<0.0755 *	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0755	<0.0377	<0.0755	--	<0.0377	--	--	--	--	--	--
	12/16/2013	<0.0381	<0.0381	<0.0190	<0.0190	**0.0193**	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190	--	--	--	--	--	--
	12/23/2014	<0.0377	<0.0377	<0.0189	<0.0189	**0.0263**	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	**0.0222**	<0.0283	<0.0189	--	--	--	--	--	--

Notes:

1. J = Result is less than the reporting limt, but greater than or equal to the detection limit.
2. Z = The chromatographic response does not resemble a typical fuel pattern.
3. -- = Not analyzed or not applicable.
4. **Bold** denotes analyte detected above reporting limit.
5. Shading denotes analyte detected above Joint Source Control Strategy Screening Level (JSCS).
6. µg/L (ppb) = micrograms per liter (parts per billion).
7. mg/L (ppm) = miligrams per liter (parts per million).

Table D-3
Area 2 Historical Groundwater Analytical Results – PCBs and Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Nickel	Zinc
		Concentrations in µg/L (ppb)																
MW-17	12/1/2010	--	--	--	--	--	--	--	0.09 J	32.8	7.39	<1.0	3.31	3.7	2.98	2,360	2.78	9.11 J
	12/1/2010 DUP	--	--	--	--	--	--	--	0.081 J	32.2	73.2	<1.0	3.26	3.53	2.92	2,520	2.83	8.6 J
	6/2/2011	--	--	--	--	--	--	--	0.06 J	2.94	24.90	<1.0	1.14 J	1.49 J	0.61 J	2,490	4.50	3.31 J
	12/14/2011	--	--	--	--	--	--	--	0.09 J	7.20	2.46	<1.0	2.73	2.42	1.69	2,190	3.18	7.06
	12/14/2011 DUP	--	--	--	--	--	--	--	0.11 J	7.85	25.10	<1.0	2.60	2.63	1.97	2,260	3.24	8.04 J
	3/27/2012	--	--	--	--	--	--	--	--	4.20	23.00	<0.19	<0.84	0.53 J	0.26 J	3,300	2.20	<3.1
	3/27/2012 DUP	--	--	--	--	--	--	--	--	4.30	22.00	<0.19	<0.84	0.71 J	0.31 J	4,000	2.20	<3.1
	7/6/2012	--	--	--	--	--	--	--	<1.0	19.60	44.30	<1.0	<2.0	2.86	1.94	4,810	5.90	7.31
	12/5/2012	--	--	--	--	--	--	--	<1.0	16.10	36.10	<1.0	<2.0	<2.0	<1.0	5,130	3.01	4.17
	6/19/2013	--	--	--	--	--	--	--	<1.0	17.2	25.9	<1.0	<2.0	<2.0	<1.0	6,260	5.03	<4.0
	6/19/2013 DUP	--	--	--	--	--	--	--	<1.0	19.0	26.7	<1.0	<2.0	<2.0	<1.0	5,890	4.59	<4.0
	12/16/2013	--	--	--	--	--	--	--	<1.00	11.8	21.1	<0.200	1.08	<1.00	0.378	3,010	2.11	<4.00
	12/16/2013 DUP	--	--	--	--	--	--	--	<1.00	11.4	21.4	<0.200	<1.00	<1.00	0.456	2,990	2.11	<4.00
	6/11/2014	--	--	--	--	--	--	--	<1.00	18.1	48.2	0.200	1.40	<1.00	<0.200	5,850	4.79	<4.00
	6/11/2014 DUP	--	--	--	--	--	--	--	<1.00	18.9	49.5	0.344	1.46	<1.00	<0.200	5,940	5.44	<4.00
	12/23/2014	--	--	--	--	--	--	--	<1.00	12.9	21.3	<0.200	<1.00	1.51 J	<0.200	4,060	1.09	<4.00
	12/23/2014 DUP	--	--	--	--	--	--	--	<1.00	12.8	21.5	<0.200	<1.00	<0.200	<0.200	3,980	1.09	<4.00
	7/6/2015	--	--	--	--	--	--	--	<1.00	18.6	43.2	0.0444	0.711	1.06	0.267	4,100	1.53	3.06
MW-66	12/8/2009	--	--	--	--	--	--	--	<20	112	1900	5.2 J	234	415	303	14,600	249	895
	6/3/2010	--	--	--	--	--	--	--	0.60 J	69	1870	2.9 J	193	342	214	9,540	231	825
	12/1/2010	--	--	--	--	--	--	--	0.198 J	63.6	579	<2.0	36.9	64.7	44.4	6,880	50.4	167
	6/2/2011	--	--	--	--	--	--	--	0.06 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.32 J	<2.0	<1.0
	12/15/2011	--	--	--	--	--	--	--	0.11 J	32.70	147.00	<1.0	3.24	3.82	1.74	4,040	5.10	9.23 J
	3/27/2012	--	--	--	--	--	--	--	--	32.00	320.00	0.21	25.00	37.00	19.00	4,900	24.00	79.00
	7/6/2012	--	--	--	--	--	--	--	<1.0	23.10	144.00	<1.0	<2.0	2.11	<1.0	3,460	4.70	10.60
	12/5/2012	--	--	--	--	--	--	--	<1.0	22.2	190	<1.0	6	11.8	6.83	3,940	10.1	23.4
	6/19/2013	--	--	--	--	--	--	--	<1.0	12.4	138	<1.0	4.24	6.81	3.81	2,980	5.99	14.0
	12/16/2013	--	--	--	--	--	--	--	<1.00	30.8	241	0.311	15.3	26.6	14.90	4,020	20.1	60.4
	6/11/2014	--	--	--	--	--	--	--	<1.00	15.1	116	<1.00	1.02	2.96	0.389	--	3.94	6.43
	12/23/2014	--	--	--	--	--	--	--	<1.00	17.5	127	<0.200	0.856 J	1.67	0.500	3,690	3.79	12.2
	6/30/2015	--	--	--	--	--	--	--	<1.00	12.0	60.1	<0.200	<1.00	1.56	0.122	2,840	1.17	7.38
MW-81	12/8/2009	--	--	--	--	--	--	--	<5.0	22.4	643	<5.0	72.8	112	52.8	4,610	82.4	244
	12/8/2009 DUP	--	--	--	--	--	--	--	<5.0	23.8	750	<5.0	83.6	134	56.9	5,060	97.3	291
	12/1/2010	<0.485	<0.971	<0.485	<0.485	<0.485	<0.485	<0.485	0.08 J	12.1	166	<1.0	9.9	15	6.1	2,710	10.1	29.2
	12/15/2011	<0.0943	<0.189	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	0.06	11.60	54.70	<1.0	<2.0	0.58 J	<1.0	1,920	0.78 J	<10
	3/28/2012	<0.0530	<0.110	<0.0530	<0.0530	<0.0530	<0.0530	<0.0530	--	13.00	110.00	<0.19	4.00	4.90	1.70	2,900	4.10	10.00
	7/6/2012	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<1.0	11.70	74.20	<1.0	<2.0	<2.0	<1.0	2,390	<2.0	<4.0
	12/5/2012	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<1.0	11.1	67.7	<1.0	<2.0	<2.0	<1.0	1,910	<2.0	<4.0
	12/16/2013	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<1.00	12.1	73.4	<0.200	2.51	6.87	0.878	2,230	2.83	27.2
	12/23/2014	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<1.00	11.7	92.3	<0.200	0.811 J	0.889 J	0.278	2,960	1.37	3.18 J
SMW-12	12/5/2012	--	--	--	--	--	--	--	<1.12	58.00	268.00	<1.12	2.60	4.49	1.14	3720	2.75	8.36

Notes:

1. J = Result is less than the reporting limt, but greater than or equal to the detection limit.
2. Z = The chromatographic response does not resemble a typical fuel pattern.
3. -- = Not analyzed or not applicable.
4. **Bold** denotes analyte detected above reporting limit.
5. Shading denotes analyte detected above Joint Source Control Strategy Screening Level (JSCS).
6. µg/L (ppb) = micrograms per liter (parts per billion).
7. mg/L (ppm) = miligrams per liter (parts per million).

Table D-4
Area 2 Historical Groundwater Analytical Results – VOCs
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane
		Concentrations in µg/L (ppb)																															
MW-17	6/3/2010	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/3/2010 DUP	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/1/2010	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/1/2010 DUP	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	**0.11 J**	<1.0	<1.0
	6/2/2011	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
	12/14/2011	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
	12/14/2011 DUP	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
	3/27/2012	<1.0	<0.06	<0.14	<0.5	<0.08	<1.0	<0.13	<1.0	<0.06	<0.11	<0.09	<0.12	<0.09	<0.1	<0.1	<0.12	<0.09	<0.12	<1.0	<0.11	<0.13	<0.5	<0.13	<0.11	<0.09	<0.8	<0.09	<0.07	<0.15	<0.14	<0.1	<0.14
	3/27/2012 DUP	<1.0	<0.06	<0.14	<0.5	<0.08	<1.0	<0.13	<1.0	**0.098 J**	<0.11	<0.09	<0.12	<0.09	<0.1	<0.1	<0.12	<0.09	<0.12	<1.0	<0.11	<0.13	<0.5	<0.13	<0.11	<0.09	<0.8	<0.09	<0.07	<0.15	<0.14	<0.1	<0.14
	7/6/2012	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
	12/5/2012	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
	6/19/2013	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/19/2013 DUP	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	12/16/2013 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	6/11/204	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	6/11/2014 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	12/22/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	12/22/2014 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	7/6/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
MW-31	8/20/2009	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/20/2009 DUP	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-81	12/8/2009	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	**7.22**	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	**0.15 J**	<1.0	<1.0	<1.0	<1.0	<1.0
	12/8/2009 DUP	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	**7.03**	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	**0.14 J**	<1.0	<1.0	<1.0	<1.0	<1.0
SMW-12	12/1/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.5	<0.50	<0.5	<5.0	--	--	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.5	<0.5	<0.5	**3.57**	**0.39 J**	<0.50
	12/15/2011	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	**1**	**0.15 J**	<1.0
	3/27/2012	<1.0	<0.06	<0.14	<0.5	<0.08	<1.0	<0.13	<1.0	<0.06	<0.11	<0.09	<0.12	<0.09	<0.1	<0.1	<0.12	<0.09	<0.12	<1.0	<0.11	<0.13	<0.5	<0.13	<0.11	<0.09	<0.8	<0.09	<0.07	<0.15	**6.4**	**0.47 J**	<0.14
	7/6/2012	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	**3.64**	<0.5	<1.0
	7/6/2012 DUP	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	**3.72**	<0.5	<1.0
	12/5/2012	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	**9.38**	**0.86**	<1.0
	12/16/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	**2.46**	<0.500	<0.500
	12/22/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	**8.04**	**0.570**	<0.500
SMW-14	12/7/2009	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SMW-18	12/7/2009	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.86**	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Please refer to notes at end of table.

Table D-4
Area 2 Historical Groundwater Analytical Results – VOCs
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
MW-17	6/3/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
	6/3/2010 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
	12/1/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
	12/1/2010 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
	6/2/2011	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	12/14/2011	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	12/14/2011 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/27/2012	<0.1	<0.09	<0.09	<0.01	<0.09	<0.08	<1.0	<5.0	<0.09	--	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<1.0	<0.12	--	<0.09	<1.0	<0.14	<0.1	<0.5	<0.14	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	3/27/2012 DUP	<0.1	<0.09	<0.09	<0.01	<0.09	<0.08	<1.0	<5.0	<0.09	--	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<1.0	<0.12	--	<0.09	<1.0	<0.14	<0.1	<0.5	<0.14	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/6/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
	12/5/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
	6/19/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
	6/19/2013 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
	12/16/2013	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/16/2013 DUP	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/11/2014	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/11/2014 DUP	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/22/2014	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/22/2014 DUP	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	7/6/2015	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
MW-31	8/20/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
	8/20/2009 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
MW-81	12/8/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
	12/8/2009 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
SMW-12	12/1/2010	--	--	--	<0.50	<0.50	--	--	--	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	**7.92**	<0.50	<0.50	--	--	<0.50	--	--
	12/15/2011	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	**0.83**	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/27/2012	<0.1	<0.09	<0.09	<0.01	<0.09	<0.08	<1.0	<5.0	<0.09	--	<1.0	**0.11 J**	<0.12	<1.0	<0.09	<0.09	<1.0	<0.12	--	<0.09	<1.0	<0.14	<0.1	<0.5	**12**	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/6/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	**4.78**	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
	7/6/2012 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	**4.76**	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
	12/5/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	**17.4**	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
	12/6/2013	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	**2.9**	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/22/2014	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	**16.2**	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
SMW-14	12/7/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	**0.28 J**	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
SMW-18	12/7/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0

Notes:

1. J = Result is less than the reporting limt, but greater than or equal to the detection limit.
2. Z = The chromatographic response does not resemble a typical fuel pattern.
3. -- = Not analyzed or not applicable.
4. **Bold** denotes analyte detected above reporting limit.
5. Shading denotes analyte detected above Joint Source Control Strategy Screening Level (JSCS).
6. µg/L (ppb) = micrograms per liter (parts per billion).
7. mg/L (ppm) = miligrams per liter (parts per million).

Table D-5
Schnitzer ASD Yard (Area 3) Historical Groundwater Analytical Results – TPH, PAHs, and Phthalates
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-N-Butyl phthalate	Di-N-Octyl phthalate
		mg/L (ppm)		Concentrations in µg/L (ppb)																									
MW-10	8/20/2009	1.04	1.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/2010	1.41	1.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/1/2010	1.52	1.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/2011	1.56	0.775	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2011	0.717	0.474	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/28/212	3.6	1.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/2012	<0.238	<0.476	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2012	0.953	1.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/2013	<0.190	1.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2013	<0.238	<0.476	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/2014	0.453	<0.476	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	<0.236	3.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	12/1/2010	0.0858 J	0.0651 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/15/2011	0.13	0.116 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/29/2012	0.12	0.083 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/2012	<0.236	<0.472	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2012	<0.189	<0.377	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2013	<0.238	<0.476	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	<0.236	<0.472	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-72	8/20/2009	--	--	--	--	0.103	<0.0952	0.0647 J	0.216	0.257	0.145	0.191	0.182	0.235	<0.19	0.517	<0.0952	0.144	0.107	0.291	0.603	--	--	--	--	--	--	--	--
	12/8/2009	--	--	0.0937 J	<0.0962	<0.0962	<0.0962	<0.0962	0.0553 J	<0.0962	<0.0962	0.0551 J	<0.0962	0.054 J	<0.192	0.194	<0.0962	<0.0962	0.0807 J	0.175	0.242	--	--	--	--	--	--	--	--
	12/2/2010	1.11	0.55	--	--	0.0831 J	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.194	0.0613 J	0.0574 J	<0.0971	<0.0971	0.156	0.0704 J	--	--	--	--	--	--	--	--
	12/2/2010 DUP	1.04	0.481	--	--	0.102	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.194	0.080 J	0.0713 J	<0.0971	<0.0971	0.202	0.09 J	--	--	--	--	--	--	--	--
	6/2/2011	0.327	0.0508 J	--	<0.0952	0.0784 J	<0.0952	<0.00476	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	0.0925 J	<0.0952	--	--	--	--	--	--	--	--
	12/15/2011	0.261	0.0654 J	--	<0.0952	0.0840 J	<0.0952	<0.0952	0.00651	0.00613	<0.00476	<0.0952	<0.00476	0.00853	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	0.0964	0.0506 J	--	--	--	--	--	--	--	--
	12/15/2011 DUP	0.319	0.101 J	--	<0.0952	0.0869	<0.0952	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	0.00543	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	0.0972	<0.0952	--	--	--	--	--	--	--	--
	3/29/2012	0.52	0.13 J	<0.049	<0.049	0.081 J	<0.049	<0.049	<0.0049	<0.0049	<0.0049	<0.049	<0.0049	<0.0049	--	<0.049	0.058 J	<0.0049	<0.049	0.13	<0.049	--	--	--	--	--	--	--	--
	3/29/2012 DUP	0.58	0.18 J	<0.049	<0.049	0.078 J	<0.049	<0.049	<0.0049	<0.0049	<0.0049	<0.049	<0.0049	<0.0049	--	<0.049	0.059 J	<0.0049	<0.049	0.12	<0.049	--	--	--	--	--	--	--	--
	7/6/2012	<0.236	<0.472	<0.0748	<0.0374	0.1	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	0.045	0.0731	<0.0374	<0.0748	0.206	<0.0374	--	<0.0374	--	--	--	--	--	--
	7/6/2012 DUP	<0.234	<0.467	<0.0748	<0.0374	0.0978	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	0.0457	0.0832	<0.0374	<0.0748	0.227	<0.0374	--	<0.0374	--	--	--	--	--	--
	12/5/2012	0.41	<0.374	<0.0748	<0.0748	0.102	<0.0374	0.0394	<0.0374	<0.0374	<0.0748 *	<0.0374	<0.0748 *	<0.0374	<0.0374	0.057	0.0654	<0.0374	<0.0748	0.183	0.0503	--	<0.0374	--	--	--	--	--	--
	12/5/2012 DUP	0.411	<0.374	<0.0748	<0.0748	0.109	<0.0374	0.0423	<0.0374	0.0397	<0.0748 *	0.0401	<0.0748 *	<0.0374	<0.0374	0.0792	0.0692	<0.0374	<0.0748	0.2	0.0761	--	<0.0374	--	--	--	--	--	--
	6/19/2013	0.408	<0.381	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.0997	<0.0755	<0.0755	<0.151	0.173	0.102	<0.113	<0.0755	--	--	--	--	--	--
	12/13/2013	<0.238	<0.476	<0.152	<0.152	0.0926	<0.0762	<0.0762	<0.114	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	<0.0762	<0.0762	<0.0762	<0.152	0.133	<0.0762	<0.114	<0.0762	--	--	--	--	--	--
	12/13/2013 DUP	<0.238	<0.476	<0.381	<0.381	<0.190	<0.190	<0.190	<0.190	<0.286	<0.286	<0.190	<0.286	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.381	<0.190	<0.286	<0.190	--	--	--	--	--	--
	6/11/2014	<0.236	<0.472	<0.0381	<0.0381	0.0631	<0.0190	0.0296	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	0.0470	0.0311	<0.0190	0.0220	0.107	0.0486	<0.0286	<0.0190	--	--	--	--	--	--
	12/19/2014	<0.236	<0.472	<0.0762	<0.0762	0.101	<0.0381	0.0329 J	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	0.0436	0.0516	<0.0381	<0.0762	0.153	0.0417	--	<0.0381	--	--	--	--	--	--
	12/19/2014 DUP	<0.236	<0.472	<0.0755	<0.0755	0.0962	<0.0377	0.0399	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	0.0427	0.0541	<0.0377	<0.0755	0.146	0.0404	--	<0.0377	--	--	--	--	--	--
	6/26/2015	0.389	<0.377	<0.151	<0.151	0.0628	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	0.0422	<0.0755	<0.151	0.075	<0.0755	<0.113	<0.0755						
MW-73	8/20/2009	1.16	1.78	--	--	0.113	<0.0952	0.121	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.19	0.194	0.327	<0.0952	0.089	0.629	0.256	--	--	--	--	--	--	--	--
	12/8/2009	1.59	2.48	--	--	0.0649 J	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.192	0.0817 J	0.0996	<0.0962	<0.0962	0.235	0.106	--	--	--	--	--	--	--	--
	6/3/2010	2.51	3.71	--	<0.0966	0.128	<0.0966	0.069 J	0.0157	0.0096	0.00665	<0.0966	0.00604	0.0207	<0.00483	0.118	0.194	0.00665	0.168	0.318	0.179	--	--	--	--	--	--	--	--
	6/3/2010 DUP	2.28	3.18	--	<0.0971	0.122	<0.0971	0.0606	0.0178	0.0141	0.00953	<0.0971	0.00875	0.0228	<0.00485	0.113	0.168	0.00882	0.166	0.285	0.168	--	--	--	--	--	--	--	--
	12/2/2010	1.88	2.01	--	--	0.179	<0.0962	0.166	<0.0962	0.0626 J	<0.0962	0.0749 J	<0.0962	0.0646 J	<0.192	0.219	0.949	<0.0962	0.13	1.09	0.363	--	--	--	--	--	--	--	--
	6/3/2011	2.95	0.667	--	<0.0952	<0.0952	<0.0952	<0.0952	0.0061	0.00635	<0.00476	<0.0952	<0.00476	0.00869	<0.00476	<0.0952	0.062 J	<0.00476	<0.0952	0.101	<0.0952	--	--	--	--	--	--	--	--
	12/16/2011	1.19	0.898	--	0.0895 J	0.0807 J	<0.0952	<0.0952	0.0072	0.00745	0.00585	<0.0952	0.00611	0.00977	<0.00476	<0.0952	<0.0952	0.00486	0.125	0.0625 J	0.0505 J	--	--	--	--	--	--	--	--
	3/28/2012	3.1	0.6	0.15	0.053 J	0.061 J	<0.048	<0.048	0.0083	0.011	0.0076	<0.048	0.0074	0.011	--	<0.048	<0.048	0.0063	0.065 J	0.071 J	0.048 J	--	--	--	--	--	--	--	--
	7/25/2012	0.463	<0.467	<0.374	<0.112	<0.131	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	0.0456	<0.112	<0.0374	0.087	0.11	0.0633	--	<0.0374	--	--	--	--	--	--
	12/5/2012	4.49	0.603	<0.458	<0.159	<0.140	<0.0374	0.0661	<0.0374	<0.0374	<0.0748 *	<0.0374	<0.0748 *	<0.0374	<0.0374	0.0414	0.0458	<0.0374	0.0832	0.0885	0.069	--	<0.0374	--	--	--	--	--	--
	6/19/2013	1.84	<0.381	<0.755	<0.755	<0.377	<0.377	<0.377	<0.377	<0.566	<0.566	<0.377	<0.566	<0.377	<0.377	<0.377	<0.377	<0.377	<0.755	<0.377	<0.377	<0.566	<0.377	--	--	--	--	--	--
	12/16/2013	1.21	<0.476	<0.755	<0.755	<0.377	<0.377	<0.377	<0.377	<0.566	<0.566	<0.377	<0.566	<0.377	<0.377	<0.377	<0.377	<0.377	<0.755	<0.377	<0.377	<0.566	<0.377	--	--	--	--	--	--
	6/12/2014	0.630	0.694	0.836	0.320	0.201	<0.190	<0.190	0.115	0.162	<0.286	<0.190	<0.286	0.0970	<0.190	0.148	<0.190	<0.190	<0.381	0.160	0.177	<0.286	<0.190	--	--	--	--	--	--
	12/19/2014	0.157 J	<0.236	0.620	0.284	<0.171	<0.0381	0.177	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	0.0451	<0.0667	<0.0381	0.075 J	0.101	0.0578	--	<0.0381	--	--	--	--	--	--
	6/26/2015	1.680	<0.189	0.747	0.437	0.149	<0.189	<0.189	<0.189	<0.283	<0.283	<0.283	<0.283	<0.189	<0.189	<0.189	<0.189	<0.189	<0.377	<0.377	<0.189	<0.283	<0.189	--	--	--	--	--	--
MW-74	6/3/2010	1.05	1.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2010	1.51	0.916	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/2011	0.392	0.325	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/2011	0.701	0.277 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/28/2012	0.32	0.21 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/2012	<0.236	<0.472	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2012	0.455	<0.388	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/2013	0.485	<0.381	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/2013	<0.243	<0.485	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/12/2014	<0.236	<0.472	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/2014	<0.236	<0.472	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Please refer to notes at end of table.

Table D-5
Schnitzer ASD Yard (Area 3) Historical Groundwater Analytical Results – TPH, PAHs, and Phthalates
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-N-Butyl phthalate	Di-N-Octyl phthalate
		mg/L (ppm)		Concentrations in µg/L (ppb)																									
MW-77	8/20/2009	**0.666**	**0.314 J**	--	--	**0.0582**	<0.0952	<0.0952	<0.0952	**0.05 J**	<0.0952	<0.0952	<0.0952	<0.0952	<0.19	**0.0805 J**	<0.0952	<0.0952	<0.0952	**0.0696**	**0.1**	--	--	--	--	--	--	--	--
	12/8/2009	**0.668**	**0.318 J**	--	--	**0.0532 J**	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.192	**0.0648 J**	<0.0962	<0.0962	<0.0962	**0.0603 J**	**0.083 J**	--	--	--	--	--	--	--	--
	6/3/2010	**0.444**	**0.196 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2010	**1.39**	**0.668**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/2011	**0.62**	0.237	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/2011	**0.561**	**0.166 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/28/2012	**0.18**	**0.10 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/6/2012	<0.236	<0.472	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2012	**0.947**	<0.374	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/19/2013	**0.598**	<0.381	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/16/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/12/2014	<0.238	<0.476	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2014	<0.236	<0.472	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-78	8/20/2009	**0.495**	**0.458 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/8/2009	**0.956**	**1.25**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-79	8/20/2009	**1.28**	**1.35**	--	--	**0.061 J**	<0.0971	**0.0542 J**	**0.0668 J**	**0.0733 J**	<0.0971	**0.0738 J**	<0.0971	**0.109**	<0.194	**0.0716 J**	<0.0971	<0.0971	<0.0971	**0.0711 J**	**0.24**	--	--	**0.821 J**	<0.971	<0.971	<0.971	<0.971	<0.971
	8/20/2009 DUP	**2.08**	**2.78**	--	--	**0.0805 J**	**0.0484 J**	**0.133**	**0.261**	**0.306**	**0.194**	**0.307**	**0.12**	**0.379**	<0.192	**0.293**	**0.0759 J**	**0.152**	**0.129**	**0.231**	**0.647**	--	--	**1.66**	<0.962	<0.962	<0.962	<0.962	<0.962
	12/8/2009	**1.35**	**1.59**	--	--	**0.0714 J**	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	**0.0515 J**	<0.0962	**0.0715 J**	<0.192	<0.0962	**0.0529 J**	<0.0962	**0.0504 J**	**0.0524 J**	**0.142**	--	--	<0.962	<0.962	<0.962	<0.962	<0.962	<0.962
	12/8/2009 DUP	**1.58**	**1.98**	--	--	**0.0771 J**	<0.0962	**0.0486 J**	**0.0595 J**	**0.0724 J**	<0.0962	**0.0796 J**	<0.0962	**0.103**	<0.192	**0.0705 J**	**0.0642 J**	<0.0962	**0.0625 J**	**0.0708 J**	**0.19**	--	--	**0.603 J**	<0.962	<0.962	<0.962	<0.962	<0.962
	6/3/2010	**1.53**	**2.33**	--	<0.0966	**0.064 J**	<0.0966	**0.0532 J**	**0.0385**	**0.0329**	**0.0177**	<0.0966	**0.0115**	**0.0592**	0.00645	**0.0651 J**	<0.0966	**0.0163**	<0.0966	<0.0966	**0.219**	--	--	<0.966	<0.966	<0.966	<0.966	<0.966	<0.966
	12/1/2010	**1.7**	**1.53**	--	--	**0.0791 J**	<0.0952	**0.0496 J**	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	**0.0614**	<0.19	**0.0503 J**	**0.057 J**	<0.0952	<0.0952	<0.0952	**0.183**	--	--	**0.781 J**	<0.952	<0.952	<0.952	<0.952	<0.952
	6/2/2011	**0.819**	**0.704**	--	<0.0971	<0.0971	<0.0971	<0.00485	**0.0127**	**0.0125**	<0.00485	<0.0971	<0.00485	**0.0237**	<0.00485	<0.0971	<0.0971	**0.00505**	<0.0971	<0.0971	**0.0585 J**	--	--	<0.971	<0.971	<0.971	<0.971	<0.971	<0.971
	6/2/11 DUP	**0.853**	**0.732**	--	<0.0966	<0.0966	<0.0966*	<0.00483	**0.0134**	**0.0118**	<0.00483	<0.0966	<0.00483	**0.0196**	<0.00483	<0.0966	<0.0966	<0.00483	<0.0966	<0.0966	**0.0566 J**	--	--	<0.966	<0.966	<0.966	<0.966	<0.966	<0.966
	12/16/2011	**0.688**	**0.432 J**	--	<0.0952	**0.0538 J**	<0.0952	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	**0.00564**	<0.00476	<0.0952	**0.0509 J**	<0.00476	<0.0952	<0.0952	<0.0952	--	--	--	<0.952	<0.952	<0.952	<0.952	<0.952
	3/28/2012	**1.2**	**2.4**	<0.049	<0.049	<0.049	<0.049	<0.049	**0.055**	**0.071**	**0.046**	<0.049	**0.019**	**0.11**	--	<0.049	<0.049	**0.025**	<0.049	<0.049	**0.14**	--	--	**1.8**	<0.510	<0.510	<0.510	<0.510	<0.510
	7/6/2012	<0.234	<0.467	<0.0748	<0.0748	<0.0374	<0.0374	**0.0594**	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	<0.0374	--	<0.0374	**1.35**	<0.935	<0.935	<0.935	<0.935	<0.935
	12/5/2012	**0.241**	<0.374	**0.103**	<0.0748	**0.0391**	<0.0374	**0.0543**	<0.0374	<0.0374	<0.0748 *	<0.0374	<0.0748 *	<0.0374	<0.0374	<0.0374	**0.0624**	<0.0374	<0.0748	**0.0385**	<0.0374	--	<0.0374	<0.935	**1.36**	<0.935	<0.935	<0.935	<0.935
	6/19/2013	<0.189	**0.710**	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755	<8.30	<11.3	<11.3	<11.3	<11.3	<11.3
	12/13/2013	<0.238	<0.476	<0.152	<0.152	<0.0762	<0.0762	**0.0804**	<0.0762	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	<0.0762	<0.0762	<0.0762	<0.152	<0.0762	<0.0762	<0.114	<0.0762	<8.38	<11.4	<11.4	<11.4	<11.4	<11.4
	6/12/2014	<0.236	<0.472	**0.0198**	<0.0385	**0.0328**	<0.0192	**0.0418**	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	<0.0192	**0.0234**	<0.0192	**0.0591**	**0.0214**	<0.0192	<0.0288	<0.0192	<2.12	<2.88	<2.88	<2.88	<2.88	<2.88
	12/19/2014	<0.236	<0.472	<0.151	<0.151	<0.0755	<0.0755	**0.0877**	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755	<8.30	<11.3	<11.3	<11.3	<11.3	<11.3
	6/26/2015	**0.363**	<0.189	<0.151	<0.151	<0.0755	<0.0755	**0.0457**	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	**0.0889**	<0.0755	<0.0755	<0.113	<0.0755						
MW-80	12/8/2009	--	--	--	--	0.185	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.192	**0.0974**	<0.0962	<0.0962	**0.0988**	**0.0896 J**	**0.134**	--	--	<0.962	<0.962	<0.962	<0.962	<0.962	<0.962
	12/2/2010	--	--	--	--	**0.0591 J**	<0.0971	<0.0971	<0.0971	**0.0559 J**	<0.0971	**0.0576 J**	<0.0971	**0.055 J**	<0.194	**0.123**	<0.0971	<0.0971	**0.114**	**0.0914 J**	**0.203**	--	--	--	--	--	--	--	--
	12/16/2011	--	--	--	<0.0952	**0.251**	<0.0952	<0.0952	**0.0129**	**0.0179**	**0.0127**	<0.0952	**0.0133**	**0.0187**	<0.00476	<0.0952	<0.0952	**0.0117**	<0.0952	**0.0917 J**	**0.0624 J**	--	--	--	--	--	--	--	--
	3/29/2012	--	--	<0.049	<0.049	**0.093 J**	<0.049	<0.049	<0.0049	<0.0049	<0.0049	<0.049	<0.0049	**0.0054**	--	<0.049	<0.049	<0.0049	<0.049	<0.049	<0.049	--	--	--	--	--	--	--	--
	7/6/2012	--	--	<0.0748	<0.0748	**0.0726**	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	**0.0376**	--	<0.0374	--	--	--	--	--	--
	12/16/2013	--	--	<0.151	<0.151	**0.298**	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	**0.158**	<0.0755	<0.113	<0.0755	--	--	--	--	--	--
	12/23/2014	--	--	<0.0377	<0.0377	**0.0484**	<0.0189	**0.0109 J**	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	**0.0192**	**0.0106 J**	<0.0189	<0.0189	**0.0188 J**	**0.0432**	<0.0283	<0.0189	--	--	--	--	--	--

Notes:

1. J = Result is less than the reporting limt, but greater than or equal to the detection limit.
2. Z = The chromatographic response does not resemble a typical fuel pattern.
3. -- = Not analyzed or not applicable.
4. **Bold** denotes analyte detected above reporting limit.
5. Shading denotes analyte detected above Joint Source Control Strategy Screening Level (JSCS).
6. µg/L (ppb) = micrograms per liter (parts per billion).
7. mg/L (ppm) = miligrams per liter (parts per million).

Table D-6
Schnitzer ASD Yard (Area 3) Historical Groundwater Analytical Results – Metals and PCBs
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Zinc	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
		Concentrations in µg/L (ppb)																	
MW-10	8/20/2009	0.58 J	24	386	1.52	44.6	120	236	3,010	0.603	390	376	–	–	–	–	–	–	–
	6/3/2010	0.44 J	5.66 J	83.7	<0.2	3.92 J	8.88	9.68	1,890	<0.2	47.6	26.3	–	–	–	–	–	–	–
	12/1/2010	0.462 J	11.4	183	<2.0	15.2	31.5	47	2,850	0.165 J	125	108	–	–	–	–	–	–	–
	6/3/2011	0.39 J	2.96	84.3	<1.0	<2.0	<10	0.29 J	2,400	<0.2	1.67 J	3.63 J	–	–	–	–	–	–	–
	12/15/2011	0.25 J	3.55	75.4	<5.0	<10	<10	<5.0	2,720	<0.2	2.35	<50	–	–	–	–	–	–	–
	3/28/212	–	2.7	65	<0.19	<0.84	<0.53	0.24 J	2,200	<0.055	0.88 J	<3.1	–	–	–	–	–	–	–
	7/6/2012	<1.0	3.47	59.8	<1.0	<2.0	<2.0	1.3	1,930	<0.08	<2.0	<4.0	–	–	–	–	–	–	–
	12/5/2012	<1.0	4.12	85.4	<1.0	<2.0	<2.0	<1.0	2,080	<0.08	<2.0	<4.0	–	–	–	–	–	–	–
	6/19/2013	<1.0	3.69	73.6	<1.0	<2.0	<2.0	<1.0	2,030	<0.08	2.91	<4.0	–	–	–	–	–	–	–
	12/13/2013	<1.00	3.06	81.6	<0.200	2.01	<1.00	<0.200	2,750	<0.0800	1.53	6.87	–	–	–	–	–	–	–
	6/11/2014	<1.00	3.68	67.8	<0.200	2.04	<1.00	<0.200	1,940	<0.0800	1.69	<4.00	–	–	–	–	–	–	–
	12/19/2014	<1.00	3.20	77.4	<0.200	0.633 J	13.8	0.544	2,060	<0.0800	2.98	3.22 J							
MW-11	12/8/2009	4.36	5.32	123	<2.0	16.8	62.1	16.4	1,480	<0.2	14.5	64.2	–	–	–	–	–	–	–
	12/1/2010	0.087 J	1.67	41.2	<1.0	<2.0	2.54	0.557 J	286	<0.20	7.95	<1.0	–	–	–	–	–	–	–
	12/15/2011	0.07 J	2.33	36.9	<1.0	1.86 J	2.85	0.5 J	946	<0.2	1.16 J	4.62	–	–	–	–	–	–	–
	3/29/2012	–	0.13	33	<0.19	<0.84	2.4	0.11 J	1,100	<0.055	10	<3.1	–	–	–	–	–	–	–
	7/6/2012	<1.0	<2.0	18.6	<1.0	<2.0	2.06	<1.0	949	<0.08	5.27	<4.0	–	–	–	–	–	–	–
	12/5/2012	<1.0	<2.0	22.1	<1.0	<2.0	<2.0	<1.0	566	<0.08	8.36	<4.0	–	–	–	–	–	–	–
	12/13/2013	<1.00	1.39	24.5	<0.200	<1.00	<1.00	<0.200	878	<0.0800	<1.00	<4.00	–	–	–	–	–	–	–
	12/19/2014	<1.0	1.49	27.5	0.0444 J	<1.0	<1.0	0.156 J	934	<0.0800	<1.0	<4.0	–	–	–	–	–	–	–
MW-14	8/20/2009	0.16 J	4.95	184	0.19 J	7.95 J	19.8	8.73	1,170	<0.20	9.48	48.5	–	–	–	–	–	–	–
MW-72	8/20/2009	0.35 J	15.4	850	2.31	71	176	119	3,760	0.823	52.7	306	–	–	–	–	–	–	–
	12/8/2009	<10.0	14.1	630	<10.0	62.3	139	94.7	3,040	<0.2	54.9	295	–	–	–	–	–	–	–
	6/3/2010	0.4 J	10.3	349	0.6 J	24.9	52.1	39.9	2,170	0.301	21.8	118	–	–	–	–	–	–	–
	12/2/2010	0.46 J	7.76	310	0.38 J	14.6	28.3	24.9	2,120	0.193 J	14.1	75.3	–	–	–	–	–	–	–
	12/2/2010 DUP	0.32 J	7.12	277	0.38 J	12.6	26.6	22.5	2,130	0.145 J	12	72	–	–	–	–	–	–	–
	6/2/2011	<1.0	6.3	211	<1.0	0.88 J	<2.0	<1.0	2,700	<0.20	1.96 J	<10	–	–	–	–	–	–	–
	12/15/2011	<2.0	6.08	196	<2.0	<4.0	1.58 J	0.62 J	2,140	<0.2	2.48 J	8.02	–	–	–	–	–	–	–
	12/15/2011 DUP	0.08 J	6.06	196	<1.0	2.62	1.31 J	0.59 J	2,140	<0.2	2.48 J	8.02 J	–	–	–	–	–	–	–
	3/29/2012	–	6.7	200	<0.19	1.9 J	0.53 J	0.11 J	1,700	0.11 J	3.4	3.9 J	–	–	–	–	–	–	–
	3/29/2012 DUP	–	6.5	200	<0.19	1.7 J	0.53 J	0.11 J	1,700	<0.055	3.5	3.9 J	–	–	–	–	–	–	–
	7/6/2012	<1.0	10.9	188	<1.0	<2.0	<2.0	<1.0	1,390	<0.08	5.42	<4.0	–	–	–	–	–	–	–
	7/6/2012 DUP	<1.0	10.9	188	<1.0	<2.0	<2.0	<1.0	1,370	<0.08	5.66	<4.0	–	–	–	–	–	–	–
	12/5/2012	<1.0	9.26	184	<1.0	<2.0	<2.0	<1.0	1,620	<0.08	4.47	4.01	–	–	–	–	–	–	–
	12/5/2012 DUP	<1.0	8.82	182	<1.0	<2.0	<2.0	<1.0	1,620	<0.08	4.61	<4.0	–	–	–	–	–	–	–
	6/19/2013	<1.0	6.26	162	<1.0	3.58	6.33	4.59	1,850	<0.08	4.47	14.5	–	–	–	–	–	–	–
	12/13/2013	<1.00	7.24	178	<0.200	3.62	<1.00	0.28	1,830	<0.0800	2.87	<4.00	–	–	–	–	–	–	–
	12/13/2013 DUP	<1.00	7.14	176	<0.200	3.87	1.97	0.37	1,810	<0.0800	3.09	4.03	–	–	–	–	–	–	–
	6/11/2014	<1.00	7.03	179	<0.200	3.99	2.46	1.42	1,940	<00.800	3.12	4.89	–	–	–	–	–	–	–
	12/19/2014	<1.0	7.14	198	<0.200	1.09	0.556 J	0.356	1,790	<0.0800	2.66	2.87 J	–	–	–	–	–	–	–
	12/19/2014 DUP	<1.0	7.38	200	<0.200	1.07	<1.0	0.278	1,890	<0.0800	2.71	3.00 J	–	–	–	–	–	–	–
MW-73	8/20/2009	0.29 J	11.9	643	1.06	46.6	94.2	85.1	3,880	0.549	29.2	223	–	–	–	–	–	–	–
	12/8/2009	<10.0	12.4	682	<10.0	41.3	85.4	84	3,340	<0.2	32.4	229	–	–	–	–	–	–	–
	6/3/2010	0.4 J	19.7	995	2.2 J	99.2	193	183	4,700	1.4	80.4	571	–	–	–	–	–	–	–
	6/3/2010 DUP	0.35 J	20.7	988	2.3 J	101	202	188	4,860	1.07	81.4	572	–	–	–	–	–	–	–
	12/2/2010	0.3 J	11.6	1140	2.46	55.8	105	142	6,280	1.81	74.6	700	–	–	–	–	–	–	–

Please refer to notes at end of table.

Table D-6
Schnitzer ASD Yard (Area 3) Historical Groundwater Analytical Results – Metals and PCBs
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Zinc	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
		Concentrations in µg/L (ppb)																	
MW-73 (continued)	6/3/2011	0.38 J	3.91	386	<1.0	4.45	7.7 J	6.74	2,680	0.0954 J	4.71	23.7	–	–	–	–	–	–	–
	12/16/2011	0.25 J	5.55	356	<5.0	10.1	14.8	10	2,360	<0.2	6.8	4.3 J	–	–	–	–	–	–	–
	3/28/2012	–	3.9	350	<0.19	3	3.3	3	2,500	0.49	2.6	8.9 J	–	–	–	–	–	–	–
	7/25/2012	<1.0	4.29	324	<1.0	2.62	3.38	3.51	2,220	<0.08	4.01	10.8 B	–	–	–	–	–	–	–
	12/5/2012	<1.0	4.62	317	<1.0	<2.0	<2.0	<1.0	2,270	<0.08	4.34	4.19	–	–	–	–	–	–	–
	6/19/2013	<1.0	4.26	305	<1.0	2.80	3.16	2.61	2,430	<0.08	4.63	7.36	–	–	–	–	–	–	–
	12/16/2013	<1.00	4.3	337	<0.200	5.52	2.37	0.989	2,470	<0.0800	4.10	6.19	–	–	–	–	–	–	–
	6/11/2014	<1.00	8.39	537	1.83	30.30	182	69.300	2,940	0.218	38.60	223	–	–	–	–	–	–	–
	12/19/2014	<1.00	3.92	304	0.0566 J	2.07	2.30	2.16	2,480	<0.0800	1.84	5.42	–	–	–	–	–	–	–
MW-74	12/8/2009	1.2 J	63.2	1620	12.0 J	270	619	646	13,100	0.275	235	3120	–	–	–	–	–	–	–
	6/3/2010	0.35 J	2.32	87.5	<1.0	<1.0	<1.0	<1.0	5,700	1.31	1.7 J	3.39 J	–	–	–	–	–	–	–
	12/2/2010	1.1 J	12	349	1.38 J	44.7	94.3	115	5,730	0.747	43.9	488	<0.490	<0.980	<0.490	<0.490	<0.490	<0.490	<0.490
	6/3/2011	4.63	2.04	168	<1.0	0.96 J	4.95 J	1.0	1,920	<0.2	11.2	138	–	–	–	–	–	–	–
	12/16/2011	0.38 J	2.28	118	<1.0	3.23	5.06	3.17	3,680	<0.2	6.35	48.6	<0.0943	<0.189	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/28/2012	–	1.7	79	<0.19	3.2	1.3 J	0.12 J	1,300	<0.055	5.8	57	<0.0510	<0.10	<0.0510	<0.0510	<0.0510	<0.0510	<0.0510
	7/6/2012	<1.0	10.2	153	<1.0	<2.0	<2.0	<1.0	3,300	<0.08	5.08	37.8 B	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/5/2012	<1.0	7.31	187	<1.0	2.17	4.92	2.3	4,850	<0.08	4.23	27.1	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/19/2013	<1.0	2.26	95.2	<1.0	<2.0	8.94	<1.00	3,540	<0.08	2.86	20.7	–	–	–	–	–	–	–
	12/16/2013	<1.00	2.83	112	<0.200	2.29	1.12	0.522	4,280	<0.0800	2.88	7.48	–	–	–	–	–	–	–
	6/11/2014	<1.00	3.28	98.2	<0.200	1.76	1.29	<0.200	3,780	<0.0800	2.18	5.98	–	–	–	–	–	–	–
	12/22/2014	1.58	1.64	97.4	<0.200	<1.00	0.800 J	<0.200	3,480	<0.0800	2.99	36.2	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377
MW-76	12/8/2009	1.4 J	46.4	1460	4.6 J	174	339	262	6,460	<0.2	162	1010	–	–	–	–	–	–	–
	12/2/2010	0.3 J	17.7	459	0.8 J	40.6	86.4	69.6	2,250	0.751	36.8	228	<0.485	<0.971	<0.485	<0.485	<0.485	<0.485	<0.485
	12/16/2011	0.16 J	10.7	174	<1.0	2.9	4.41	2.4	944	<0.2	5.74	13.6	<0.0943	<0.189	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/16/2011 DUP	0.16 J	11.3	191	<1.0	4.36	6.17	3.65	996	<0.2	7	20.5	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/28/2012	–	10	310	<0.19	1.7 J	3.8	1.1	1,700	1.1	5.2	6.9 J	<0.0530	<0.110	<0.0530	<0.0530	<0.0530	<0.0530	<0.0530
	3/28/2012 DUP	–	10	310	<0.19	1.7 J	3.8	1.1	1,600	0.28	5.1	6.7 J	<0.053	<0.11	<0.053	<0.053	<0.053	<0.053	<0.053
	7/6/2012	<1.0	10.1	286	<1.0	<2.0	<2.0	<1.0	2,420	<0.08	6.43	<4.0	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/5/2012	<1.0	13.8	281	<1.0	<2.0	2.42	<1.0	1,350	<0.08	6.59	4.27	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/16/2013	<1.00	12.6	180	<0.2000	3.57	1.30	0.400	1,050	<0.0800	5.89	<4.00	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392
	12/19/2014	<1.00	11.3	220	0.0444 J	0.911 J	<1.00	0.133 J	1,490	<0.088	3.42	3.03 J	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381
MW-77	8/20/2009	0.20 J	15.2	171	0.12 J	6.75 J	20.2	10.5	1,850	<0.20	4.82	28.6	–	–	–	–	–	–	–
	12/8/2009	<10.0	13.2	152	<10.0	<10.0	12.1 J	7.5 J	1,530	<0.2	3.8 J	<100	–	–	–	–	–	–	–
	6/3/2010	<2.0	10.6	120	<2.0	<2.0	<2.0	<2.0	1,270	<0.2	0.82 J	<2.0	–	–	–	–	–	–	–
	12/2/2010	0.22 J	13	192	<2.0	10.7	22.5	18.5	1,700	<0.2	8.48	47.6	–	–	–	–	–	–	–
	6/3/2011	0.11 J	9.7	171	<1.0	2.86	6.45 J	3.68	1,930	<0.2	2.46	10.3	–	–	–	–	–	–	–
	12/16/2011	0.1 J	11.3	121	<1.0	1.06 J	1.37 J	1	1,190	<0.2	1.08 J	6.7 J	–	–	–	–	–	–	–
	3/28/2012	–	8.1	99	<0.19	1.8 J	1.8 J	1	1,000	<0.055	1.9 J	3.9 J	–	–	–	–	–	–	–
	7/6/2012	<1.0	10.5	160	<1.0	2.87	5.81	5.28	1,500	<0.08	4.34	12.9 B	–	–	–	–	–	–	–
	12/5/2012	<1.0	13.1	175	<1.0	2.43	7.86	5.02	1,620	<0.08	4.81	11.9	–	–	–	–	–	–	–
	6/19/2013	<1.0	9.31	125	<1.0	<2.0	<2.0	<1.0	1,300	<0.08	2.62	<4.0	–	–	–	–	–	–	–
	12/16/2013	<1.00	13.1	141	<0.200	1.82	2.10	0.222	1,450	<0.0800	3.02	<4.00	–	–	–	–	–	–	–
	6/11/2104	<1.00	9.39	145	0.200	3.81	2.33	0.478	1,450	<0.0800	2.37	<4.00	–	–	–	–	–	–	–
	12/19/2014	<1.00	12.7	157	<0.200	0.956 J	0.567 J	0.178 J	1,590	<0.0800	1.20	2.92 J	–	–	–	–	–	–	–
	6/26/2015	<1.00	14.5	141	0.0778	0.811	0.544	0.311	1,500	<0.0800	1.21	2.97							

Please refer to notes at end of table.

Table D-6
Schnitzer ASD Yard (Area 3) Historical Groundwater Analytical Results – Metals and PCBs
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Zinc	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
		Concentrations in µg/L (ppb)																	
MW-78	8/20/2009	1.44	5.16	361	0.3 J	106	20	26.5	3,150	0.176 J	7.81	67	–	–	–	–	–	–	–
	12/8/2009	2.2 J	8.7 J	450	<10.0	23.3	51	64.7	3,190	<0.2	20.6	181	–	–	–	–	–	–	–
MW-79	8/20/2009	11.5	16.5	577	2.55	105	167	421	2,740	0.703	56.6	817	–	–	–	–	–	–	–
	8/20/2009 DUP	10.9	16.7	576	2.47	99.2	156	407	2,870	1.14	54.7	802	–	–	–	–	–	–	–
MW-79 (continued)	12/5/2012	5.9 J	13.5	535	2.0 J	78.5	131	393	2,710	<0.2	47.5	783	–	–	–	–	–	–	–
	12/5/2012 DUP	6.4 J	15.5	562	1.9 J	90.6	128	412	2,920	<0.2	52.2	843	–	–	–	–	–	–	–
	6/3/2010	5.76	7.24	253	0.76 J	36.1	59.2	125	1,440	0.619	20.9	287	–	–	–	–	–	–	–
	12/1/2010	5.81	14.8	690	<2.0	92.2	142	262	2,830	1.34	67.8	727	–	–	–	–	–	–	–
	6/2/2011	0.59 J	0.33 J	29.8	<1.0	2.94	9.54	6.67	48.6	<0.20	1.77	58.9	–	–	–	–	–	–	–
	6/2/2011 DUP	21.5	1.02	181	<1.0	<1.0	0.95 J	0.18 J	417	<0.20	3.19	13	–	–	–	–	–	–	–
	12/16/2011	121	2.53	175	<1.0	4.1	12.8	12	390	<0.2	12.2	803	–	–	–	–	–	–	–
	3/28/2012	–	0.96 J	73	<0.19	<0.84	1.8 J	0.62 J	220	<0.055	4.8	140	–	–	–	–	–	–	–
	7/6/2012	29.1	2.04	172	<1.0	<2.0	<2.0	<1.0	637	<0.08	6.99	41.5 B	–	–	–	–	–	–	–
	12/5/2012	41.2	<2.0	87.9	<1.0	<2.0	3.09	2.41	134	<0.08	4.86	185	–	–	–	–	–	–	–
	6/19/2013	57.1	<2.0	173	<1.0	<2.0	<2.0	1.03	691	<0.08	10.7	275	–	–	–	–	–	–	–
	12/16/2013	16.7	<1.00	204	<0.200	1.83	7.34	1.66	416	<0.0800	12.7	76.8	–	–	–	–	–	–	–
	6/11/2104	490	5.48	256	0.322	3.50	8.92	7.81	359	<0.0800	13.7	736	–	–	–	–	–	–	–
	12/19/2014	22.3	1.11	207	0.400	0.744 J	9.18	6.42	444	<0.0800	11.7	141	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381
	6/26/2015	77.5	1.42	230	<0.200	<1.00	0.556	2.88	573	<0.0800	2.9	11.2	–	–	–	–	–	–	–
MW-80	12/8/2009	1.0 J	63.2	1170	2.05 J	24.1	79	113	3,130	<0.2	21.2	538	–	–	–	–	–	–	–
	12/2/2010	0.64 J	28.1	728	1.9 J	54.1	111	183	2,490	0.863	46.7	438	–	–	–	–	–	–	–
	12/16/2011	0.95 J	14.8	224	<5.0	128	42.2	90.4	3,110	<0.2	79.1	202	–	–	–	–	–	–	–
	3/29/2012	–	5.3	69	<0.19	1.9 J	3.8	5.8	1,800	<0.055	3	22	–	–	–	–	–	–	–
	7/6/2012	<1.00	5.58	73.6	<1.0	<2.0	<2.0	3.1	1,740	<0.08	<2.0	6.11 B	–	–	–	–	–	–	–
	12/5/2012	<1.0	4.23	67.9	<1.0	<2.0	<2.0	<1.0	1,600	<0.08	<2.0	<4.0	–	–	–	–	–	–	–
	12/16/2013	<1.00	10.6	87.5	<0.200	3.71	40.6	5.98	3,190	<0.0800	2.78	38.8	–	–	–	–	–	–	–
	12/23/2014	<1.0	3.62	86.9	<0.200	0.544 J	1.46 J	1.56	956	<0.0800	0.889	10.3	–	–	–	–	–	–	–

Notes:
1. J = Result is less than the reporting limit, but greater than or equal to the detection limit.
2. Z = The chromatographic response does not resemble a typical fuel pattern.
3. – = Not analyzed or not applicable.
4. Bold denotes analyte detected above reporting limit.
5. Shading denotes analyte detected above Joint Source Control Strategy Screening Level (JSCS).
6. µg/L (ppb) = micrograms per liter (parts per billion).
7. mg/L (ppm) = miligrams per liter (parts per million).

Table D-7
Schnitzer ASD Yard (Area 3) Historical Groundwater Analytical Results – VOCs
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane
		Concentrations in µg/L (ppb)																											
MW-14	8/20/2009	<25	**0.19 J**	<1.0	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	**0.41 J**	<1.0	**24.20**	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.56**	<1.0	<1.0

Please refer to notes at end of table.

Table D-7
Schnitzer ASD Yard (Area 3) Historical Groundwater Analytical Results – VOCs
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene
		Concentrations in µg/L (ppb)																								
MW-14	8/20/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Please refer to notes at end of table.

Table D-7
Schnitzer ASD Yard (Area 3) Historical Groundwater Analytical Results – VOCs
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)											
MW-14	8/20/2009	<2.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0

Notes:
1. J = Result is less than the reporting limt, but greater than or equal to the detection limit.
2. -- = Not analyzed or not applicable.
3. **Bold** denotes analyte detected above reporting limit.
4. µg/L (ppb) = micrograms per liter (parts per billion).