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October 25, 2016
Project No. 9003.01.28

Mr. Craig Rankine
Washington State Department of Ecology
2108 Grand Boulevard, MS: S-70
Vancouver, Washington 98661-4622

Re: August 2016 groundwater monitoring for former Pacific Wood Treating Co. site
Port of Ridgefield, Lake River Industrial Site
Agreed Order No. 01TCPSR-3119

Dear Mr. Rankine:

In August 2016, groundwater samples were collected from monitoring well locations on the former Pacific Wood Treating Co. (PWT) site. The PWT site includes the Lake River Industrial Site (LRIS) which is owned by the Port of Ridgefield (Port). Samples were collected from point of compliance (POC) monitoring wells located on Cells 2 and 3 of the LRIS and on the Ridgefield National Wildlife Refuge (RNWR), and were sent to Specialty Analytical, Inc., in Clackamas, Oregon, for analysis. On behalf of the Port, Maul Foster & Alongi, Inc., has provided below a summary of the groundwater data from these samples. Refer to the attached figure for monitoring well locations. The attached Table 1 summarizes the completion details for POC wells.

Groundwater monitoring results are discussed separately in this letter for the two distinct plumes on the PWT site. One of the plumes originates in Cells 1 and 2 of the LRIS and extends northwest under the RNWR; the second plume is located in Cell 3 of the LRIS, potentially extending beneath Lake River. The anticipated sampling dates through six years, as described in the final Cleanup Action Plan[1] (CAP), are as follows:

- August 2013 (completed)
- January 2014 (completed)
- August 2014 (completed)
- January 2015 (completed)
- August 2016 (completed)
- January 2018

SUMMARY

Sampling was conducted on the PWT site during typical low water in August, using low-flow sampling techniques consistent with the CAP by Port personnel. Cell 2 and RNWR samples were collected in the shallow and deep portions of the upper water-bearing zone (UWBZ) and

[1] Ecology. Cleanup action plan, former Pacific Wood Treating Co. site. Prepared by the Washington State Department of Ecology, October 2013.

in the lower water-bearing zone. In Cell 3, groundwater samples were collected from the shallow and deep portions of the UWBZ.

Groundwater samples were analyzed, consistent with the CAP, for semivolatile organic compounds (SVOCs) by U.S. Environmental Protection Agency (USEPA) Method 8270D; for volatile organic compounds (VOCs) by USEPA 8260B; and for dissolved arsenic by USEPA Method 6020 (see Table 2).

ANALYTICAL RESULTS

Analytical results were compared to their respective Model Toxics Control Act Method B cleanup levels (CULs), except for arsenic results, which are compared to Method A CULs. The Method A CUL for arsenic is based on natural background concentrations in groundwater in Washington State.

The August 2016 laboratory analytical reports and a data quality assurance and quality control (QA/QC) review memorandum are included as Attachments A and B, respectively. Data QA/QC results indicate that data are acceptable for their intended use, with the appropriate data qualifiers assigned. The VOC and SVOC analytical tables discussed below summarize only analytes with historical or current exceedances of a CUL. Groundwater analytical tables showing all historical data are included in the remedial investigation and feasibility study report for the PWT site.[2]

Cells 1 and 2 Plume

The Cells 1 and 2 plume POC monitoring wells are located along the bank of Lake River to the west and in the RNWR near Carty Lake to the north. The plume generally flows to the west toward Lake River, but the shallow portion of the UWBZ has a northerly component. Tables 3 through 5 summarize analytical results for the 2016 sampling event and include past sampling results. The following analytes exceeded their respective CULs in samples collected during August 2016:

- Pentachlorophenol (PCP)
- Noncarcinogenic polycyclic aromatic hydrocarbons
  - Dibenzofuran, 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene
- VOCs
  - Benzene, tetrachloroethene (PCE), trichloroethene, and vinyl chloride
- Dissolved arsenic

[2] MFA. Final remedial investigation and feasibility study, former Pacific Wood Treating Co. site. Prepared for the Port of Ridgefield. Maul Foster & Alongi, Inc., Vancouver, Washington, July 1, 2013.

Five of the 13 POC wells (MW-61, MW-63, USDFW-1, RMW-2S, and RMW-2D) did not have compounds that exceeded a CUL. Concentrations of indicator hazardous substances (IHSs) show that IHSs in groundwater are generally stable or decreasing (see Tables 3 through 5). The CUL exceedances in the August 2016 samples are generally consistent with the exceedances identified in past monitoring events.

Cell 3 Plume

The POC wells for the Cell 3 plume are located along the bank of Lake River and near the southeast LRIS property boundary. The plume generally flows to the west toward Lake River. PCP, PCE, and arsenic are the IHSs in the Cell 3 plume; the August 2016 results show generally stable or decreasing trends (see Table 6). Note that this was the first monitoring event where PCE was below the CUL in all POC monitoring well samples.

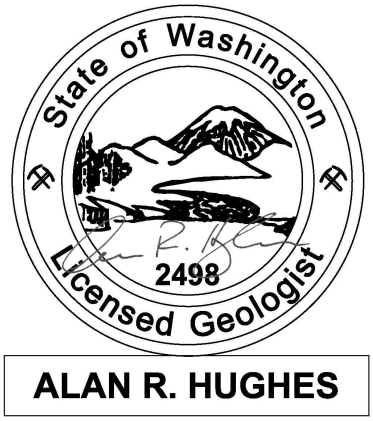
RECOMMENDATION

Based on the stable and declining trends of IHSs on the LRIS, it is recommended that the POC wells be sampled as scheduled in the CAP. The next monitoring event is planned for January 2018. If sample results from the January 2018 event are similar to the previous six events, the Port will request that the sampling schedule is extended to a 5 year interval since the remedial action has created generally stable or declining trends for IHSs in groundwater throughout the site.

Please contact me if there are any questions regarding this letter.

Sincerely,

Maul Foster & Alongi, Inc.



Alan R. Hughes, LG
Senior Geologist

Attachments: Limitations
Tables 1 through 6
Figure
A—Laboratory Analytical Report
B—Data Quality Assurance and Quality Control Review Memorandum

cc: Laurie Olin, Port of Ridgefield

LIMITATIONS

The services undertaken in completing this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

TABLES

Table 1
POC Monitoring Well Completion Details
Pacific Wood Treating Co. Site
Ridgefield, Washington

Monitoring Point	Coordinates		Measuring Point Elevation (ft NGVD)	Ground Surface Elevation (ft NGVD)	Total Depth Drilled (ft bgs)	Total Depth Casing (ft bgs)	Sump Interval (ft bgs)	Screened Interval (ft bgs)	Filter Pack Interval (ft bgs)	Secondary Filter Pack Interval (ft bgs)	Surface Seal (ft bgs)	Borehole Diameter (inches)	Well Diameter (inches)	Drilling Method	Date of Installation	Lithologic Unit Screened
	Northing	Easting														
Upper Water-Bearing Zone																
Shallow Upper Water-Bearing Zone																
MW-46S	184843.90	1066565.10	15.33	19.65	25.5	15	25 - 25.5	15 - 25	13 - 25.5	--	0 - 13	10.25	2	HSA	Jul-04	Alluvium
MW-55S	185715.9599	1066288.645	26.88	24.27	31.3	30	30.9 - 30.4	20.9 - 30.9	18.0 - 31.3	--	0 - 18.0	6	2	Sonic	Aug-10	Alluvium
MW-57S	185715.4938	1066288.473	26.88	24.35	30.0	17	27 - 27.5	17 - 27	15 - 30	--	0 - 15	8	2	Sonic	Jun-08	Alluvium
RMW-2S	186524.851	1066680.832	16.66	13.39	15.0	5	--	5 - 15	4 - 15	--	3 - 4	10.25	2	HSA	Nov-00	Gravel
Deep Upper Water-Bearing Zone																
MW-29D	184616.22	1066953.26	25.42	23.23	53.5	43	53-53.5	43-53	40-53.5	--	0-40	8	2	Becker	Aug-04	Gravel
MW-45D	185011.82	1066517.56	22.16	20.42	50.0	38	48 - 48.5	38 - 48	36 - 48.5	--	2 - 36.0	10.25	2	HSA	Jul-04	Gravel
MW-46D	184839.34	1066567.00	14.18	19.52	50.0	38	48 - 48.5	38 - 48	36 - 48.5	--	2 - 36.0	10.25	2	HSA	Jul-04	Gravel
MW-47D	184558.46	1066722.03	19.56	19.95	53.5	41	51 - 51.5	41 - 51	39.5 - 51.5	--	2 - 39.5	10.25	2	HSA	Jul-04	Gravel
MW-55D	185768.717	1066133.905	27.10	24.44	80.0	78.3	75.0 - 75.5	65.0 - 75.0	63.0 - 76.0	59.0 - 63.0	0 - 59.0	6	2	Sonic	Aug-10	Alluvium
MW-57D	185719.5269	1066292.568	26.45	24.21	80.0	74.9	74.4 - 75.9	64.4 - 74.4	65.1 - 77.9	--	3 - 65.1	8	2	Sonic	Jun-08	Gravel
MW-58D	186013.7436	1066028.897	27.73	24.32	75.0	64.3	74.3 - 74.8	64.3 - 74.3	62.5 - 75.0	--	2 - 62.5	8	2	Sonic	Jun-08	Gravel
USDFW-1	186325.7682	1066660.526	15.35	10.76	22.7	12.2	--	12.2 - 22.2	11.1 - 22.7	9.8 - 11.1	0 - 9.8	10.25	2	HSA	Oct-01	Gravel
RMW-2D	186528.3044	1066680.006	17.24	13.44	31.5	19.5	--	19.5 - 29.5	17.5 - 31.5	--	3 - 17.5	10.25	2	HSA	Nov-00	Gravel
Lower Water-Bearing Zone																
MW-55	185758.1565	1066145.061	27.88	24.90	112.3	89	99 - 99.5	89 - 99	86 - 100.3	--	2 - 86.0	8	2	Sonic	Jun-08	Troutdale
MW-56	186004.4964	1066031.162	26.48	23.84	120.0	103	113 - 113.5	103 - 113	100.4 - 116	--	2 - 100.4	8	2	Sonic	Jun-08	Troutdale
MW-60	186433.6577	1066435.733	15.2682	12.46	90.0	63.5	73.5 - 74	63.5 - 73.5	61.9 - 75	--	3 - 61.9	8	2	Sonic	Jul-08	Troutdale
MW-61	186698.58	1065859.148	18.298	15.79	104.5	104.5	102.0 - 102.5	92.0 - 102.0	90.5 - 103	--	0 - 90.5	6	2	Sonic	Aug-10	Troutdale
MW-62	185309.338	1066390.093	27.439	24.631	121.0	117.8	114.6 - 115.1	104.6 - 114.6	102.0 - 116.5	96.0 - 102.0	0 - 96.0	6	2	Sonic	Aug-10	Troutdale
MW-63	186802.255	1066287.113	17.12	15.14	116.0	115.5	115.0 - 115.5	105.0 - 115.0	102.0 - 115.5	--	0 - 102.0	8	2	Sonic	Sep-12	Troutdale

NOTES:

-- = not available or not applicable.

Becker = DR-24 air rotary.

ft bgs = feet below ground surface.

ft NGVD = feet National Geodetic Vertical Datum of 1927/1947.

HSA = hollow-stem auger.

POC = point of compliance.

Sonic = rotosonic.

Table 2
POC Monitoring Wells and Analytical Testing Summary
Pacific Wood Treating Co. Site
Ridgefield, Washington

Monitoring Well	Depth to Water	Sampling and Analysis		
		SVOCs by USEPA 8270D	Arsenic by USEPA 6020	VOCs by USEPA 8260B
LWBZ				
MW-55	x	PCP only		x
MW-56	x	x		x
MW-61	x	x		x
MW-62	x	PCP only		PCE only
MW-63	x	x	x	x
UWBZ				
Shallow UWBZ				
MW-46S	x		x	
MW-55S	x	x	x	x
MW-57S	x	x	x	x
RMW-2s	x	PCP only		
Deep UWBZ				
MW-29D	x			PCE only
MW-45D	x	PCP only		PCE only
MW-46D	x			PCE only
MW-47D	x			PCE only
MW-55D	x	PCP only	x	x
MW-57D	x	x	x	x
MW-58D	x	PCP only	x	x
USDFW-1	x	PCP only	x	x
RMW-2d	x	PCP only		
Surface Water				
CL-3	x			
River Gauge	x			

NOTES:

During sampling events, samples from MW-45D and MW-57D will be duplicated.

only = Only wells with consistent indicator hazardous substance (IHS) detections will be analyzed for those specific IHSs, such as PCE or PCP. Note that some of the groundwater samples may have detected other IHSs in past sampling (i.e., before steam-enhanced remediation system operation) or only infrequently.

LWBZ = lower water-bearing zone.

PCP = pentachlorophenol.

PCE = tetrachloroethene.

POC = point of compliance.

SVOC = semivolatile organic compound.

USEPA = U.S. Environmental Protection Agency.

UWBZ = upper water-bearing zone.

VOC = volatile organic compound.

x = Indicates that the action or analysis is to be conducted during each monitoring event.

Table 3
Volatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	1,2,4-Trimethyl-benzene	Benzene	Naphtha-lene	Tetrachloro-ethene	Trichloro-ethene	Vinyl chloride
MTCA Method B Groundwater Cleanup Level			400[a]	0.8	160	5	4	0.029
Cell 2 Monitoring Wells (UWBZ)								
MW-55S	08/20/2010	MW55S082010	4.74	**3.47**	**2490**	1 U	1 U	1 U
	01/14/2011	MW55S011411	3.37	0.34	**1900**	1 U	1 U	1 U
	08/08/2011	MW55S080811	4.09	0.3 U	**938**	1 U	1 U	1 U
	01/12/2012	MW55S011212	4.3	0.32	**718**	1 U	1 U	1 U
	08/13/2013	MW-55S-20130813-GW	1 U	0.32	134	1 U	1 U	1 U
	01/24/2014	MW55S012414	1.1	0.3 U	**176**	1 U	1 U	1 U
	07/23/2014	MW55S072314	1 U	0.3 U	115	1 U	1 U	1 U
	01/15/2015	MW55S011515	1.09	0.3 U	**310**	1 U	1 U	1 U
	08/11/2016	MW55S081116	1.22	0.3 U	**179**	1 U	1 U	1 U
MW-55D	09/07/2010	MW55D090710	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/14/2011	MW55D011411	1 U	**3.81**	1 U	**5.98**	3.06	1 U
	08/08/2011	MW55D080811	1 U	0.4	1 U	**7.2**	3.52	1 U
	01/12/2012	MW55D011212	1 U	**4.18**	1.3 J	**14.7**	**4.07**	1 U
	08/13/2013	MW-55D-20130813-GW	1 U	**8.1**	1.59	**7.2**	**7.72**	1 U
	01/24/2014	MW55D012414	1 U	0.3 U	1 U	1 U	1 U	1 U
	07/23/2014	MW55D072314	1 U	**3.13**	1 U	3.34	1.54	1 U
	01/15/2015	MW55D011515	1.1	**4.23**	2.3	4.22	2.28	1 U
	08/11/2016	MW55D081116	1 U	**2.48**	26	4.23	2.81	1 U
MW-57S	08/15/2008	MW57S081508	**529**	**2.0**	**17700**	1 U	1 U	1 U
	10/06/2008	MW-57S100608	**561**	**1.65**	**27200**	1 U	1 U	1 U
	01/27/2009	MW57S012709	**463**	**1.4**	**17000**	1 U	1 U	1 U
	04/07/2009	MW57S040709	223	**1.4**	**11100**	1 U	1 U	1 U
	08/06/2009	MW57S080609	**497**	**2.32**	**13100**	1 U	1 U	1 U
	01/13/2010	MW57S011310	**813**	0.64	**16300**	1 U	1 U	1 U
	08/12/2010	MW57S081210	**567**	**2.08**	**16600**	1 U	1 U	1 U
	01/14/2011	MW57S011411	**816**	**2.13**	**22800**	1 U	1 U	1 U
	08/25/2011	MW57S082511	**541**	**1.76**	**18700**	1 U	1 U	1 U

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Ridgefield, Washington

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MTCA Method B Groundwater Cleanup Level			400[a]	0.8	160	5	4	0.029
MW-57S	01/11/2012	MW57S011112	**478**	**1.44**	**19200**	1 U	1 U	1 U
	08/13/2013	MW-57S-20130813-GW	140	**1.26**	**1640**	1 U	1 U	1 U
	01/22/2014	MW57S012214	**527**	**1.39**	**20800**	1 U	1 U	1 U
	07/23/2014	MW57S072314	**413**	**1.8**	**11800**	1 U	1 U	1 U
	01/14/2015	MW57S011415	**464**	**1.4**	**19900**	1 U	1 U	1 U
	08/12/2016	MW57S081216	229	0.79	**13800**	1 U	1 U	1 U
MW-57D	08/14/2008	MW57D081508	1 U	**33.7**	141 B	**102**	**13.5**	**3.89**
	10/06/2008	MW-57D100608	1 U	**29.1**	77.3	**117 B**	**13.6**	**3.41**
dup	10/06/2008	MW-57D100608-Dup	1 U	**32.6**	118	**104 B**	**12.4**	**5.07**
	01/27/2009	MW57D012709	1 U	**28.3**	98.8	**76.9**	**11.4**	**4.42**
dup	01/27/2009	MW57D012709-Dup	1 U	**27.7**	104	**75.2**	**11.7**	**4.29**
	04/07/2009	MW57D040709	1 U	**32.4**	51.6	**76.6**	**13.5**	**4.38**
dup	04/07/2009	MW57D040709-Dup	1 U	**33.3**	66.3	**77.4**	**14.1**	**4.65**
	08/06/2009	MW57D080609	2.2	**28.1**	94.1	**82.0**	**11.7**	**1.52**
	01/13/2010	MW57D011310	1 U	**33.6**	96.4	**97.6**	**14.4**	**5.6**
dup	01/13/2010	MW57D011310-Dup	1 U	**31.6**	131	**91.1**	**13.3**	**6**
	08/12/2010	MW57D081210	1 U	**31.3**	134	**98.3**	**16.6**	**4.2**
dup	08/12/2010	MW57D081210-Dup	1 U	**25.4**	107	**71.0**	**12.8**	**3.26**
	01/14/2011	MW57D011411	1 U	**30.6**	**161**	**103**	**14.2**	**3.52**
dup	01/14/2011	MW57DDUP011411	1 U	**32.5**	**177**	**113**	**14.5**	**3.73**
	08/25/2011	MW57D082511	1 U	**27.1**	128	**87.4**	**14.2**	**4.55**
dup	08/25/2011	MW57DDUP082511	1 U	**28.7**	132	**93.5**	**14.5**	**5.03**
	01/11/2012	MW57D011112	1 U	**31.0**	125	**97.0**	**12.6**	**7.61**
dup	01/11/2012	MW57DDUP011112	1 U	**29.2**	133	**90.7**	**11.8**	**3.53**
	08/13/2013	MW-57D-20130813-GW	1 U	**5.79**	2.22	1 U	2.33	1 U
dup	08/13/2013	MW-57D-20130813-GW-DUP	1 U	**5.3**	1.91	1 U	2.09	1 U
	01/22/2014	MW57D012214	1.84	**16.1**	**302**	**42**	**7.13**	**1.55**
dup	01/22/2014	MW57DDUP012214	2.05	**17.2**	**288**	**44.8**	**7.64**	**2.04**

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Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	1,2,4-Trimethyl-benzene	Benzene	Naphtha-lene	Tetrachloro-ethene	Trichloro-ethene	Vinyl chloride
MTCA Method B Groundwater Cleanup Level			400[a]	0.8	160	5	4	0.029
MW-57D	07/23/2014	MW57D072314	1.11	**25.6**	143	**65.6**	**11.8**	1 U
dup	07/23/2014	MW57DDUP072314	1.05	**26.7**	145	**66**	**12.1**	1 U
	01/14/2015	MW57D011415	1.22	**19.4**	**175**	**53.3**	**9.31**	**1.78**
dup	01/14/2015	MW57DDUP011415	1.3	**20.7**	**177**	**55**	**10**	**2.17**
	08/12/2016	MW57D081216	1 U	**14.5**	**203**	**31.6**	**6.85**	**1.78**
dup	08/12/2016	MW57DDUP081216	1 U	**14.7**	**194**	**31.1**	**7**	**1.98**
MW-58D	08/13/2008	MW58D081308	1 U	**6.69**	1 U	1 U	1 U	1 U
	10/08/2008	MW-58D100808	1 U	**9.62**	1 U	1 U	1 U	1 U
	01/27/2009	MW58D012709	1 U	**8.15**	1 U	1 U	1 U	1 U
	04/07/2009	MW58D040709	1 U	**6.62**	1 U	1 U	1 U	1 U
	08/06/2009	MW58D080609	1 U	**10.3**	1 U	1 U	1 U	1 U
	01/14/2010	MW58D011410	1 U	**16.1**	1 U	1 U	1 U	1 U
	08/12/2010	MW58D081210	1 U	**13.6**	1 U	1 U	1 U	1 U
	01/19/2011	MW58D011911	1 U	**19.5**	1 U	1 U	1 U	1 U
	08/26/2011	MW58D082611	1 U	**18.3**	1 U	1 U	1 U	1 U
	01/13/2012	MW58D011312	1 U	**26.2**	1 U	1 U	1 U	1 U
	08/13/2013	MW-58D-20130813-GW	1 U	**8.63**	1 U	1 U	1 U	1 U
	01/23/2014	MW58D012314	1 U	**10.5**	1 U	1 U	1 U	1 U
	07/24/2014	MW58D072414	1 U	**10.4**	1 U	1 U	1 U	1 U
	01/15/2015	MW58D011515	1 U	**15.2**	1 U	1 U	1 U	1 U
	08/11/2016	MW58D081116	1 U	**8.43**	1 U	1 U	1 U	1 U
RNWR Monitoring Wells (UWBZ)								
USDFW-1	10/24/2003	USDFW-1-102403	6.3	**4.3**	**170**	1.1	**7.5**	**1.5**
	05/04/2004	USDFW1-050404	3	**3**	95	0.50 U	3.9	**1.4**
	08/13/2004	USDFW1-081304	2.0 U	**3.2**	37	1.1	1.8	**1**
	10/25/2004	USDFW1-102504	2.0 U	**1.6**	50	0.50 U	2.5	**1.2**
	01/28/2005	USDFW1012805	1 U	**1.43**	31.8	1 U	1.42	**1.15**
	07/28/2005	USDFW1072805	1 U	**1.1**	4.68	1 U	1 U	0.2 U

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Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	1,2,4-Trimethyl-benzene	Benzene	Naphtha-lene	Tetrachloro-ethene	Trichloro-ethene	Vinyl chloride
MTCA Method B Groundwater Cleanup Level			400[a]	0.8	160	5	4	0.029
USDFW-1	02/01/2006	USDFW1020106	1 U	0.43	1 U	1 U	1 U	**1.41**
	08/11/2006	USDFW1081106	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/22/2007	USDFW1012207	1 U	0.55	1 U	1 U	1 U	**1.15**
	08/27/2007	USDFW1082707	1 U	0.41	1 U	1 U	1 U	1 U
	01/28/2008	USDFW1012808	1 U	0.4	1 U	1 U	1 U	1 U
	08/21/2008	USDW1082108	1 U	0.3 U	1 U	1 U	1 U	1 U
	02/03/2009	USDFW1020309	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/07/2009	USDFW1080709	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/28/2010	USDFW1012810	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/26/2010	USDFW1082610	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/26/2011	USDFW1012611	1 U	0.3 U	1 U	1 U	2.07	1 U
	09/06/2011	USDFW1090611	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/25/2012	USDFW1012512	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/07/2012	USDFW1080712	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/14/2013	USDFW-1-20130814-GW	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/27/2014	USDFW1012714	1 U	0.3 U	1 U	1 U	1 U	1 U
	07/21/2014	USDFW1072114	1 U	0.3 U	8.74	1 U	1 U	1 U
	01/13/2015	USDFW1011315	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/12/2016	USDFW1081216	1 U	0.3 U	1 U	1 U	1 U	1 U
RMW-2S	08/21/2008	RMW2S082108	1 U	0.3 U	1 U	1 U	1 U	1 U
	10/09/2008	RMW2S100908	1 U	0.3 U	1 U	1 U	1 U	1 U
	02/03/2009	RMW2S020309	1 U	0.3 U	1 U	1 U	1 U	1 U
	04/08/2009	RMW2S040809	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/07/2009	RMW2S080709	1 U	0.3 U	1 U	1 U	1.12	1 U
	01/28/2010	RMW2S012810	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/26/2010	RMW2S082610	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/26/2011	RMW2S012611	1 U	0.3 U	1 U	1 U	1 U	1 U

Table 3
Volatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	1,2,4-Trimethyl-benzene	Benzene	Naphtha-lene	Tetrachloro-ethene	Trichloro-ethene	Vinyl chloride
MTCA Method B Groundwater Cleanup Level			400[a]	0.8	160	5	4	0.029
RMW-2S	09/06/2011	RMW2S090611	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/25/2012	RMW2S012512	1 U	0.3 U	1 U	1 U	1 U	1 U
RMW-2D	08/21/2008	RMW2D082108	1 U	0.3 U	1 U	1 U	1 U	1 U
	10/09/2008	RMW2D100908	1 U	0.3 U	1 U	1 U	1 U	1 U
	02/03/2009	RMW2D020309	1 U	0.3 U	1 U	1 U	1 U	1 U
	04/08/2009	RMW2D040809	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/07/2009	RMW2D080709	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/28/2010	RMW2D012810	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/26/2010	RMW2D082610	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/26/2011	RMW2D012611	1 U	0.3 U	1 U	1 U	1 U	1 U
	09/06/2011	RMW2D090611	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/25/2012	RMW2D012512	1 U	0.3 U	1 U	1 U	1 U	1 U
Cell 2 Monitoring Wells (LWBZ)								
MW-55	08/14/2008	MW55081408	1 U	0.3 U	1 U	**5.91**	**4.66**	1 U
	10/03/2008	MW55100308	1 U	0.3 U	1 U	**6.04**	**5.19**	1 U
	01/27/2009	MW55012709	1 U	0.3 U	1 U	4.81	3.96	1 U
	04/07/2009	MW55040709	1 U	0.3 U	1 U	3.55	**4.12**	1 U
	08/06/2009	MW55080609	1 U	0.3 U	1 U	3.4	3.68	1 U
	01/14/2010	MW55011410	1 U	0.3 U	1 U	3.75	**4.05**	1 U
	08/12/2010	MW55081210	1 U	0.3 U	1 U	**5.16**	**5.03**	1 U
	01/14/2011	MW55011411	1 U	0.3 U	1 U	4.79	3.77	1 U
	08/08/2011	MW55080811	1 U	0.3 U	1 U	2.91	3.12	1 U
	01/12/2012	MW55011212	1 U	0.3 U	1 U	3.94	3.02	1 U
	08/13/2013	MW-55-20130813-GW	1 U	0.3 U	1 U	2.2	2.21	1 U
	01/24/2014	MW55012414	1 U	0.3 U	1 U	2.26	1.75	1 U
	07/23/2014	MW55072314	1 U	0.3 U	1 U	1.94	2.03	1 U
	01/15/2015	MW55011515	1 U	0.3 U	1 U	1.8	1.68	1 U
	08/11/2016	MW55081116	1 U	0.3 U	1 U	1 U	1.06	1 U

Table 3
Volatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	1,2,4-Trimethyl-benzene	Benzene	Naphtha-lene	Tetrachloro-ethene	Trichloro-ethene	Vinyl chloride
MTCA Method B Groundwater Cleanup Level			400[a]	0.8	160	5	4	0.029
MW-56	08/21/2008	MW56082108	1 U	0.3 U	1 U	1 U	1.04	1 U
	10/08/2008	MW-56100808	1 U	0.3 U	1.98	1 U	1 U	1 U
	01/27/2009	MW56012709	1 U	0.3 U	1 U	1 U	1 U	1 U
	04/07/2009	MW56040709	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/06/2009	MW56080609	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/14/2010	MW56011410	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/12/2010	MW56081210	1 U	0.3 U	1 U	1 U	1.01	1 U
	01/19/2011	MW56011911	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/26/2011	MW56	1 U	0.3 U	1 U	1 U	1.08	1 U
	01/13/2012	MW56011312	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/13/2013	MW-56-20130813-GW	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/23/2014	MW56012314	1 U	0.3 U	1 U	1 U	1 U	1 U
	07/24/2014	MW56072414	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/15/2015	MW56011515	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/11/2016	MW56081116	1 U	0.3 U	1 U	1 U	1 U	1 U
MW-62	09/08/2010	MW62090810	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/14/2011	MW62011411	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/25/2011	MW62082511	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/11/2012	MW62011112	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/07/2012	MW62080712	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/13/2013	MW-62-20130813-GW	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/22/2014	MW62012214	--	--	--	1 U	--	--
	07/22/2014	MW62072314	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/13/2015	MW62011415	--	--	--	1 U	--	--
	08/15/2016	MW62081516	--	--	--	1 U	--	--
RNWR Monitoring Wells (LWBZ)								
MW-61	09/03/2010	MW61090310	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/24/2011	MW61012411	1 U	0.3 U	1 U	1 U	1 U	1 U

Table 3
Volatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	1,2,4-Trimethyl-benzene	Benzene	Naphtha-lene	Tetrachloro-ethene	Trichloro-ethene	Vinyl chloride
MTCA Method B Groundwater Cleanup Level			400[a]	0.8	160	5	4	0.029
MW-61	09/02/2011	MW61090211	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/24/2012	MW61012412	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/06/2012	MW61080612	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/14/2013	MW-61-20130814-GW	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/23/2014	MW61012314	1 U	0.3 U	3.45	1 U	1 U	1 U
	07/22/2014	MW61072214	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/12/2015	MW61011215	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/12/2016	MW61081216	1 U	0.3 U	1 U	1 U	1 U	1 U
MW-63	09/20/2012	MW63-W-110.0	0.5 U	0.3 U	1 U	1 U	0.3 U	0.3 U
	08/14/2013	MW-63-20130814-GW	1 U	0.3 U	1 U	1 U	1 U	1 U
	01/23/2014	MW63012314	1 U	0.3 U	1.67	1 U	1 U	1 U
	07/22/2014	MW63072214	1 U	0.3 U	2.5	1 U	1 U	1 U
	01/12/2015	MW63011215	1 U	0.3 U	1 U	1 U	1 U	1 U
	08/12/2016	MW63081216	1 U	0.3 U	1 U	1 U	1 U	1 U

NOTES:

Bold indicates detected concentration that exceeds MTCA Method B groundwater cleanup level.

-- = not analyzed.

B = Blank exhibited positive result greater than reporting limit for this compound.

dup = duplicate sample.

J = Result for analyte is estimated concentration.

LWBZ = lower water-bearing zone.

MTCA = Washington State Department of Ecology's Model Toxics Control Act.

RNWR = Ridgefield National Wildlife Refuge.

U = not detected at or above method reporting limit.

ug/L = micrograms per liter.

UWBZ = upper water-bearing zone.

[a]Cleanup levels were developed using the Method B cleanup level in use on July 1, 2013, during the publication of the remedial investigation and feasibility study.

Table 4
Semivolatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Pentachlorophenol	cPAHs							
				Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(b+k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene
MTCA Method B Groundwater Cleanup Level			0.22	NV	0.012	NV	NV	NV	NV	NV	NV
Cell 2 Monitoring Wells (UWBZ)											
MW-55S	08/20/2010	MW55S082010	1.43 U	0.953 U	0.953 U	0.953 U	0.953 U	--	0.953 U	0.953 U	0.953 U
	01/14/2011	MW55S011411	**2.61**	0.953 U	0.953 U	0.953 U	0.953 U	--	0.953 U	0.953 U	0.953 U
	08/08/2011	MW55S080811	1.44 U	0.96 U	0.96 U	0.96 U	0.96 U	--	0.96 U	0.96 U	0.96 U
	01/12/2012	MW55S011212	1.44 U	0.957 U	0.957 U	0.957 U	0.957 U	--	0.957 U	0.957 U	0.957 U
	08/13/2013	MW-55S-20130813-GW	1.5 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
	01/24/2014	MW55S012414	1.42 UJ	0.943 UJ	0.943 UJ	0.943 UJ	0.943 UJ	--	0.943 UJ	0.943 UJ	0.943 UJ
	07/23/2014	MW55S072314	1.42 U	0.152 U	0.158 U	0.336 U	0.186 U	--	0.202 U	0.467 U	0.482 U
	01/15/2015	MW55S011515	LE	LE	LE	LE	LE	--	LE	LE	LE
	08/11/2016	MW55S081116	0.945 U	0.945 U	0.945 U	0.945 U	0.945 U	--	0.945 U	0.945 U	0.945 U
MW-55D	09/07/2010	MW55D090710	**632**	0.982 U	0.982 U	0.982 U	0.982 U	--	0.982 U	0.982 U	0.982 U
	01/14/2011	MW55D011411	**185**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	08/08/2011	MW55D080811	7.15 U	0.953 U	0.953 U	0.953 U	0.953 U	--	0.953 U	0.953 U	0.953 U
	01/12/2012	MW55D011212	**364**	0.957 U	0.957 U	0.957 U	0.957 U	--	0.957 U	0.957 U	0.957 U
	08/13/2013	MW-55D-20130813-GW	0.5 U	--	--	--	--	--	--	--	--
	01/24/2014	MW55D012414	**17.9**	--	--	--	--	--	--	--	--
	07/23/2014	MW55D072314	**262**	--	--	--	--	--	--	--	--
	01/15/2015	MW55D011515	**163**	--	--	--	--	--	--	--	--
	08/11/2016	MW55D081116	**259**	--	--	--	--	--	--	--	--
MW-57S	08/15/2008	MW57S081508	1.43 U	0.955 U	0.955 U	0.955 U	0.955 U	--	0.955 U	0.955 U	0.955 U
	10/06/2008	MW-57S100608	**2.84**	0.945 U	0.945 U	0.945 U	0.945 U	--	0.945 U	0.945 U	0.945 U
	01/27/2009	MW57S012709	**3.52**	0.945 U	0.945 U	0.945 U	0.945 U	--	0.945 U	0.945 U	0.945 U
	04/07/2009	MW57S040709	1.42 U	0.949 U	0.949 U	0.949 U	0.949 U	--	0.949 U	0.949 U	0.949 U
	08/06/2009	MW57S080609	**12**	0.958 U	0.958 U	0.958 U	0.958 U	--	0.958 U	0.958 U	0.958 U
	01/13/2010	MW57S011310	**1.87**	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	08/12/2010	MW57S081210	1.42 U	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	01/14/2011	MW57S011411	**1.46**	0.954 U	0.954 U	0.954 U	0.954 U	--	0.954 U	0.954 U	0.954 U
	08/25/2011	MW57S082511	1.45 U	0.964 U	0.964 U	0.964 U	0.964 U	--	0.964 U	0.964 U	0.964 U
	01/11/2012	MW57S011112	1.44 U	0.958 U	0.958 U	0.958 U	0.958 U	--	0.958 U	0.958 U	0.958 U
	08/13/2013	MW-57S-20130813-GW	1.5 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
	01/22/2014	MW57S012214	**6.89**	0.95 U	0.95 U	0.95 U	0.95 U	--	0.95 U	0.95 U	0.95 U
	07/23/2014	MW57S072314	**1.7**	0.152 U	0.158 U	0.336 U	0.186 U	--	0.202 U	0.467 U	0.482 U
	01/14/2015	MW57S011415	1.42 U	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	08/12/2016	MW57S081216	**6.46**	0.95 U	0.95 U	0.95 U	0.95 U	--	0.95 U	0.95 U	0.95 U
MW-57D	08/14/2008	MW57D081508	**8220**	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
	10/06/2008	MW-57D100608	**4800**	0.961 U	0.961 U	0.961 U	0.961 U	--	0.961 U	0.961 U	0.961 U
dup	10/06/2008	MW-57D100608-Dup	**4080**	0.961 U	0.961 U	0.961 U	0.961 U	--	0.961 U	0.961 U	0.961 U
	01/27/2009	MW57D012709	**3900**	0.943 U	0.943 U	0.943 U	0.943 U	--	0.943 U	0.943 U	0.943 U
dup	01/27/2009	MW57D012709-Dup	**4480**	0.95 U	0.95 U	0.95 U	0.95 U	--	0.95 U	0.95 U	0.95 U
	04/07/2009	MW57D040709	**3700**	0.95 U	0.95 U	0.95 U	0.95 U	--	0.95 U	0.95 U	0.95 U
dup	04/07/2009	MW57D040709-Dup	**3640**	0.95 U	0.95 U	0.95 U	0.95 U	--	0.95 U	0.95 U	0.95 U
	08/06/2009	MW57D080609	**2690**	0.649 U	0.649 U	0.649 U	0.649 U	--	0.649 U	0.649 U	0.649 U

Table 4
Semivolatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Pentachlorophenol	cPAHs							
				Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(b+k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene
MTCA Method B Groundwater Cleanup Level			0.22	NV	0.012	NV	NV	NV	NV	NV	NV
MW-57D	01/13/2010	MW57D011310	**3640**	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
dup	01/13/2010	MW57D011310-Dup	**3580**	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
	08/12/2010	MW57D081210	**4160**	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
dup	08/12/2010	MW57D081210-Dup	**3700**	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
	01/14/2011	MW57D011411	**4800**	0.953 U	0.953 U	0.953 U	0.953 U	--	0.953 U	0.953 U	0.953 U
dup	01/14/2011	MW57DDUP011411	**4480**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	08/25/2011	MW57D082511	**1820**	0.952 U	0.952 U	0.952 U	0.952 U	--	0.952 U	0.952 U	0.952 U
dup	08/25/2011	MW57D082511-Dup	**2430**	0.955 U	0.955 U	0.955 U	0.955 U	--	0.955 U	0.955 U	0.955 U
	01/11/2012	MW57D011112	**3180**	0.95 U	0.95 U	0.95 U	0.95 U	--	0.95 U	0.95 U	0.95 U
dup	01/11/2012	MW57DDUP011112	**2700**	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	08/13/2013	MW-57D-20130813-GW	1.5 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
dup	08/13/2013	MW-57D-20130813-GW-DUP	1.5 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
	01/22/2014	MW57D012214	**1700**	0.946 U	0.946 U	0.946 U	0.946 U	--	0.946 U	0.946 U	0.946 U
dup	01/22/2014	MW57DDUP012214	**4200 J**	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
	07/23/2014	MW57D072314	**2910**	0.152 U	0.158 U	0.335 U	0.186 U	--	0.201 U	0.466 U	0.481 U
dup	07/23/2014	MW57DDUP072314	**2980**	0.152 U	0.158 U	0.336 U	0.186 U	--	0.201 U	0.467 U	0.481 U
	01/14/2015	MW57D011415	**2000 J**	0.942 U	0.942 U	0.942 U	0.942 U	--	0.942 U	0.942 U	0.942 U
dup	01/14/2015	MW57DDUP011415	**4000 J**	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
	08/12/2016	MW57D081216	**1640**	0.944 U	0.944 U	0.944 U	0.944 U	--	0.944 U	0.944 U	0.944 U
dup	08/12/2016	MW57DDUP081216	**1620**	0.945 U	0.945 U	0.945 U	0.945 U	--	0.945 U	0.945 U	0.945 U
MW-58D	08/13/2008	MW58D081308	1.42 U	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
	10/08/2008	MW-58D100808	1.43 U	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	01/27/2009	MW58D012709	1.42 U	0.946 U	0.946 U	0.946 U	0.946 U	--	0.946 U	0.946 U	0.946 U
	04/07/2009	MW58D040709	1.43 U	0.955 U	0.955 U	0.955 U	0.955 U	--	0.955 U	0.955 U	0.955 U
	08/06/2009	MW58D080609	1.42 U	0.949 U	0.949 U	0.949 U	0.949 U	--	0.949 U	0.949 U	0.949 U
	01/14/2010	MW58D011410	**5.33**	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
	08/12/2010	MW58D081210	**2.73**	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
	01/19/2011	MW58D011911	1.43 U	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	08/26/2011	MW58D082611	1.44 U	0.957 U	0.957 U	0.957 U	0.957 U	--	0.957 U	0.957 U	0.957 U
	01/13/2012	MW58D011312	1.43 U	0.953 U	0.953 U	0.953 U	0.953 U	--	0.953 U	0.953 U	0.953 U
	08/13/2013	MW-58D-20130813-GW	0.5 U	--	--	--	--	--	--	--	--
	01/23/2014	MW58D012314	**0.838**	--	--	--	--	--	--	--	--
	07/24/2014	MW58D072414	0.473 U	--	--	--	--	--	--	--	--
	01/15/2015	MW58D011515	0.473 U	--	--	--	--	--	--	--	--
	08/11/2016	MW58D081116	0.472 U	--	--	--	--	--	--	--	--
RNWR Monitoring Wells (UWBZ)											
USDFW-1	10/24/2003	USDFW-1-102403	**4**	0.098 U	0.098 U	0.098 U	0.098 U	--	0.098 U	0.098 U	0.098 U
	05/04/2004	USDFW1-050404	**3.1**	0.096 U	0.096 U	0.096 U	0.096 U	--	0.096 U	0.096 U	0.096 U
	08/13/2004	USDFW1-081304	**26**	0.11 U	0.11 U	0.11 U	0.11 U	--	0.11 U	0.11 U	0.11 U
	10/25/2004	USDFW1-102504	0.96 U	0.096 U	0.096 U	0.096 U	0.096 U	--	0.096 U	0.096 U	0.096 U
	01/28/2005	USDFW1012805	0.189 U	0.0189 U	0.0189 U	--	--	0.0943 U	0.0189 U	0.0189 U	0.0189 U
	07/28/2005	USDFW1072805	0.19 U	0.019 U	0.019 U	--	--	0.0952 U	0.019 U	0.019 U	0.019 U

Table 4
Semivolatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Pentachlorophenol	cPAHs							
				Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(b+k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene
MTCA Method B Groundwater Cleanup Level			0.22	NV	0.012	NV	NV	NV	NV	NV	NV
USDFW-1	02/01/2006	USDFW1020106	**5.67**	0.965 U	0.965 U	0.965 U	0.965 U	--	0.965 U	0.965 U	0.965 U
	08/11/2006	USDFW1081106	1.43 U	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	01/22/2007	USDFW1012207	1.42 U	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	08/27/2007	USDFW1082707	1.42 U	0.946 U	0.946 U	0.946 U	0.946 U	--	0.946 U	0.946 U	0.946 U
	01/28/2008	USDFW1012808	1.42 U	0.95 U	0.95 U	0.95 U	0.95 U	--	0.95 U	0.95 U	0.95 U
	08/21/2008	USDW1082108	1.42 U	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	02/03/2009	USDFW1020309	1.42 U	0.946 U	0.946 U	0.946 U	0.946 U	--	0.946 U	0.946 U	0.946 U
	08/07/2009	USDFW1080709	1.41 U	0.943 U	0.943 U	0.943 U	0.943 U	--	0.943 U	0.943 U	0.943 U
	01/28/2010	USDFW1012810	1.52 U	1.01 U	1.01 U	1.01 U	1.01 U	--	1.01 U	1.01 U	1.01 U
	08/26/2010	USDFW1082610	1.42 U	0.946 U	0.946 U	0.946 U	0.946 U	--	0.946 U	0.946 U	0.946 U
	01/26/2011	USDFW1012611	1.43 U	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	09/06/2011	USDFW1090611	1.43 U	0.954 U	0.954 U	0.954 U	0.954 U	--	0.954 U	0.954 U	0.954 U
	01/25/2012	USDFW1012512	1.43 U	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	08/07/2012	USDFW1080712	0.474 U	--	--	--	--	--	--	--	--
	08/14/2013	USDFW-1-20130814-GW	0.5 U	--	--	--	--	--	--	--	--
	01/27/2014	USDFW1012714	0.471 U	--	--	--	--	--	--	--	--
	07/21/2014	USDFW1072114	0.476 U	--	--	--	--	--	--	--	--
	01/13/2015	USDFW1011315	0.469 U	--	--	--	--	--	--	--	--
	08/12/2016	USDFW1081216	0.473 U	--	--	--	--	--	--	--	--
RMW-2S	08/21/2008	RMW2S082108	1.42 U	0.949 U	0.949 U	0.949 U	0.949 U	--	0.949 U	0.949 U	0.949 U
	10/09/2008	RMW2S100908	1.42 U	0.949 U	0.949 U	0.949 U	0.949 U	--	0.949 U	0.949 U	0.949 U
	02/03/2009	RMW2S020309	1.42 U	0.944 U	0.944 U	0.944 U	0.944 U	--	0.944 U	0.944 U	0.944 U
	04/08/2009	RMW2S040809	1.42 U	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	08/07/2009	RMW2S080709	**7.06**	0.945 U	0.945 U	0.945 U	0.945 U	--	0.945 U	0.945 U	0.945 U
	01/28/2010	RMW2S012810	1.42 U	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
	08/26/2010	RMW2S082610	1.42 U	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	01/26/2011	RMW2S012611	1.43 U	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	09/06/2011	RMW2S090611	1.43 U	0.952 U	0.952 U	0.952 U	0.952 U	--	0.952 U	0.952 U	0.952 U
	01/25/2012	RMW2S012512	1.43 U	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	08/07/2012	RMW2S080712	**2.28**	--	--	--	--	--	--	--	--
	08/14/2013	RMW-2S-20130814-GW	0.5 U	--	--	--	--	--	--	--	--
	01/27/2014	RMW2S012714	0.473 U	--	--	--	--	--	--	--	--
	07/21/2014	RMW2S072114	**3.13**	--	--	--	--	--	--	--	--
	01/13/2015	RMW2S011315	0.471 U	--	--	--	--	--	--	--	--
	08/12/2016	RMW2S081216	0.474 U	--	--	--	--	--	--	--	--
RMW-2D	08/21/2008	RMW2D082108	1.44 U	0.961 U	0.961 U	0.961 U	0.961 U	--	0.961 U	0.961 U	0.961 U
	10/09/2008	RMW2D100908	**5.89**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	02/03/2009	RMW2D020309	1.42 U	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
	04/08/2009	RMW2D040809	**3.93**	0.946 U	0.946 U	0.946 U	0.946 U	--	0.946 U	0.946 U	0.946 U
	08/07/2009	RMW2D080709	**7.26**	0.944 U	0.944 U	0.944 U	0.944 U	--	0.944 U	0.944 U	0.944 U
	01/28/2010	RMW2D012810	1.42 U	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	08/26/2010	RMW2D082610	**3.53**	0.945 U	0.945 U	0.945 U	0.945 U	--	0.945 U	0.945 U	0.945 U

Table 4
Semivolatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Pentachlorophenol	cPAHs							
				Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(b+k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene
MTCA Method B Groundwater Cleanup Level			0.22	NV	0.012	NV	NV	NV	NV	NV	NV
RMW-2D	01/26/2011	RMW2D012611	**1.74**	0.952 U	0.952 U	0.952 U	0.952 U	--	0.952 U	0.952 U	0.952 U
	09/06/2011	RMW2D090611	**3.04**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	01/25/2012	RMW2D012512	**1.83**	0.957 U	0.957 U	0.957 U	0.957 U	--	0.957 U	0.957 U	0.957 U
	08/07/2012	RMW2D080712	**2.21**	--	--	--	--	--	--	--	--
	08/14/2013	RMW-2D-20130814-GW	**3.55**	--	--	--	--	--	--	--	--
	01/27/2014	RMW2D012714	**5.26**	--	--	--	--	--	--	--	--
	07/21/2014	RMW2D072114	**2.93**	--	--	--	--	--	--	--	--
	01/13/2015	RMW2D011315	0.471 U	--	--	--	--	--	--	--	--
	08/12/2016	RMW2D081216	0.484 U	--	--	--	--	--	--	--	--
Cell 2 (LWBZ)											
MW-55	08/14/2008	MW55081408	**828**	0.955 U	0.955 U	0.955 U	0.955 U	--	0.955 U	0.955 U	0.955 U
	10/03/2008	MW55100308	**448**	0.954 U	0.954 U	0.954 U	0.954 U	--	0.954 U	0.954 U	0.954 U
	01/27/2009	MW55012709	**485**	0.946 U	0.946 U	0.946 U	0.946 U	--	0.946 U	0.946 U	0.946 U
	04/07/2009	MW55040709	**410**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	08/06/2009	MW55080609	**418**	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	01/14/2010	MW55011410	**293**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	08/12/2010	MW55081210	**632**	0.949 U	0.949 U	0.949 U	0.949 U	--	0.949 U	0.949 U	0.949 U
	01/14/2011	MW55011411	**544**	0.957 U	0.957 U	0.957 U	0.957 U	--	0.957 U	0.957 U	0.957 U
	08/08/2011	MW55080811	7.13 U	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	01/12/2012	MW55011212	**253**	0.952 U	0.952 U	0.952 U	0.952 U	--	0.952 U	0.952 U	0.952 U
	08/13/2013	MW-55-20130813-GW	**419**	--	--	--	--	--	--	--	--
	01/24/2014	MW55012414	**781**	--	--	--	--	--	--	--	--
	07/23/2014	MW55072314	**293**	--	--	--	--	--	--	--	--
	01/15/2015	MW55011515	**322**	--	--	--	--	--	--	--	--
	08/11/2016	MW55081116	**187**	--	--	--	--	--	--	--	--
MW-56	08/21/2008	MW56082108	**23.1**	0.95 U	0.95 U	0.95 U	0.95 U	--	0.95 U	0.95 U	0.95 U
	10/08/2008	MW-56100808	**18.7**	0.955 U	0.955 U	0.955 U	0.955 U	--	0.955 U	0.955 U	0.955 U
	01/27/2009	MW56012709	**26.9**	0.945 U	0.945 U	0.945 U	0.945 U	--	0.945 U	0.945 U	0.945 U
	04/07/2009	MW56040709	**27.6**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	08/06/2009	MW56080609	**33.2**	0.949 U	0.949 U	0.949 U	0.949 U	--	0.949 U	0.949 U	0.949 U
	01/14/2010	MW56011410	**10.1**	0.952 U	0.952 U	0.952 U	0.952 U	--	0.952 U	0.952 U	0.952 U
	08/12/2010	MW56081210	**31.9**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	01/19/2011	MW56011911	**23.3**	0.952 U	0.952 U	0.952 U	0.952 U	--	0.952 U	0.952 U	0.952 U
	08/26/2011	MW56082611	**26.1**	0.96 U	0.96 U	0.96 U	0.96 U	--	0.96 U	0.96 U	0.96 U
	01/13/2012	MW56011312	**11.5**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	08/13/2013	MW-56-20130813-GW	0.5 U	--	--	--	--	--	--	--	--
	01/23/2014	MW56012314	**49.8**	--	--	--	--	--	--	--	--
	07/24/2014	MW56072414	**32.3**	--	--	--	--	--	--	--	--
	01/15/2015	MW56011515	**20.6**	--	--	--	--	--	--	--	--
	08/11/2016	MW56081116	**31.5**	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U

Table 4
Semivolatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Pentachlorophenol	cPAHs							
				Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(b+k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene
MTCA Method B Groundwater Cleanup Level			0.22	NV	0.012	NV	NV	NV	NV	NV	NV
MW-62	09/08/2010	MW62090810	**22.4**	0.985 U	0.985 U	0.985 U	0.985 U	--	0.985 U	0.985 U	0.985 U
	01/14/2011	MW62011411	**10.7**	1.24	**1.07**	0.951 U	1.41	--	1.29	1.04	0.989
	08/25/2011	MW62082511	1.43 U	0.954 U	0.954 U	0.954 U	0.954 U	--	0.954 U	0.954 U	0.954 U
	01/11/2012	MW62011112	**13.4**	0.954 U	0.954 U	0.954 U	0.954 U	--	0.954 U	0.954 U	0.954 U
	08/07/2012	MW62080712	0.477 U	--	--	--	--	--	--	--	--
	08/13/2013	MW-62-20130813-GW	0.5 U	--	--	--	--	--	--	--	--
	01/22/2014	MW62012214	**31.3**	--	--	--	--	--	--	--	--
	07/22/2014	MW62072314	**16**	--	--	--	--	--	--	--	--
	01/13/2015	MW62011415	**17**	--	--	--	--	--	--	--	--
	08/15/2016	MW62081516	**39.9**	--	--	--	--	--	--	--	--
RNWR Monitoring Well (LWBZ)											
MW-60	09/03/2008	MW60090308	**94.5**	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	10/09/2008	MW601000908	**68.9**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	02/03/2009	MW60020309	**51**	0.989	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	04/08/2009	MW60040809	**91.2**	0.945 U	0.945 U	0.945 U	0.945 U	--	0.945 U	0.945 U	0.945 U
	08/07/2009	MW60080709	**57.5**	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	01/28/2010	MW60012810	**70.2**	0.948 U	0.948 U	0.948 U	0.948 U	--	0.948 U	0.948 U	0.948 U
	08/25/2010	MW60082510	**72.2**	0.95 U	0.95 U	0.95 U	0.95 U	--	0.95 U	0.95 U	0.95 U
	01/24/2011	MW60012411	**80.4**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	09/06/2011	MW60090611	**94.4**	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	01/25/2012	MW60012512	**90.6**	0.953 U	0.953 U	0.953 U	0.953 U	--	0.953 U	0.953 U	0.953 U
MW-61	09/03/2010	MW61090310	1.51 U	1.01 U	1.01 U	1.01 U	1.01 U	--	1.01 U	1.01 U	1.01 U
	01/24/2011	MW61012411	1.43 U	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	09/02/2011	MW61090211	1.43 U	0.951 U	0.951 U	0.951 U	0.951 U	--	0.951 U	0.951 U	0.951 U
	01/24/2012	MW61012412	1.44 U	0.958 U	0.958 U	0.958 U	0.958 U	--	0.958 U	0.958 U	0.958 U
	08/06/2012	MW61080612	0.476 U	--	--	--	--	--	--	--	--
	08/14/2013	MW-61-20130814-GW	1.5 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
	01/23/2014	MW61012314	1.43 U	0.955 U	0.955 U	0.955 U	0.955 U	--	0.955 U	0.955 U	0.955 U
	07/22/2014	MW61072214	0.475 U	--	--	--	--	--	--	--	--
	01/12/2015	MW61011215	0.473 U	--	--	--	--	--	--	--	--
	08/12/2016	MW61081216	1.42 U	0.949 U	0.949 U	0.949 U	0.949 U	--	0.949 U	0.949 U	0.949 U
MW-63	09/20/2012	MW63-W-110.0	**1.97 J**	1.03 UJ	1.03 UJ	1.03 UJ	1.03 UJ	--	1.03 UJ	1.03 UJ	1.03 UJ
	08/14/2013	MW-63-20130814-GW	1.5 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
	01/23/2014	MW63012314	1.43 U	0.952 U	0.952 U	0.952 U	0.952 U	--	0.952 U	0.952 U	0.952 U
	07/22/2014	MW63072214	1.41 U	0.152 U	0.157 U	0.335 U	0.186 U	--	0.201 U	0.466 U	0.48 U
	01/12/2015	MW63011215	1.42 U	0.947 U	0.947 U	0.947 U	0.947 U	--	0.947 U	0.947 U	0.947 U
	08/12/2016	MW63081216	0.949 U	0.949 U	0.949 U	0.949 U	0.949 U		0.949 U	0.949 U	0.949 U

Table 4
Semivolatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	TEQ cPAHs	Noncarcinogenic PAHs				
				Dibenzofuran	1-Methyl-naphthalene	2-Methyl-naphthalene	Bis(2-ethylhexyl) phthalate	Naphthalene
MTCA Method B Groundwater Cleanup Level			0.012	32	1.5	32	6.3	160
Cell 2 Monitoring Wells (UWBZ)								
MW-55S	08/20/2010	MW55S082010	ND	**51.5**	**325**	**248**	1.22	**582**
	01/14/2011	MW55S011411	ND	**64.6**	**390**	**214**	0.953 U	**625**
	08/08/2011	MW55S080811	ND	**41**	**262**	**66.1**	0.96 U	**322**
	01/12/2012	MW55S011212	ND	**61.7**	**235**	**102**	0.957 U	**262**
	08/13/2013	MW-55S-20130813-GW	ND	**68.9**	**446**	**128**	1 U	**221**
	01/24/2014	MW55S012414	ND	**41.7 J**	**898 J**	**47.9 J**	0.943 UJ	39.4 J
	07/23/2014	MW55S072314	ND	**66**	**452**	**65.6**	0.946 U	50.9
	01/15/2015	MW55S011515	--	LE	LE	LE	LE	LE
	08/11/2016	MW55S081116	ND	**90**	**427**	**71.1**	0.945 U	77.6
MW-55D	09/07/2010	MW55D090710	ND	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U
	01/14/2011	MW55D011411	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	08/08/2011	MW55D080811	ND	0.953 U	0.953 U	0.953 U	0.953 U	0.953 U
	01/12/2012	MW55D011212	ND	0.957 U	0.957 U	0.957 U	0.957 U	0.957 U
	08/13/2013	MW-55D-20130813-GW	--	--	--	--	--	--
	01/24/2014	MW55D012414	--	--	--	--	--	--
	07/23/2014	MW55D072314	--	--	--	--	--	--
	01/15/2015	MW55D011515		--	--	--	--	--
	08/11/2016	MW55D081116	--	--	--	--	--	--
MW-57S	08/15/2008	MW57S081508	ND	**76.4**	**479**	**765**	0.955 U	**7040**
	10/06/2008	MW-57S100608	ND	**539**	**833**	**222**	**80.8**	**12300**
	01/27/2009	MW57S012709	ND	**71.0**	**452**	**760**	1.64	**7260**
	04/07/2009	MW57S040709	ND	**67.9**	**422**	**662**	0.949 U	**10700**
	08/06/2009	MW57S080609	ND	**71.4**	**407**	**757**	0.958 U	**10300**
	01/13/2010	MW57S011310	ND	**86.4**	**714**	**667**	0.948 U	**11100**
	08/12/2010	MW57S081210	ND	**64.6**	**469**	**784**	0.948 U	**9680**
	01/14/2011	MW57S011411	ND	**68.8**	**706**	**1150**	0.954 U	**12700**
	08/25/2011	MW57S082511	ND	0.964 U	**369**	**588**	0.964 U	**4380**
	01/11/2012	MW57S011112	ND	**84.5**	**354**	**628**	0.958 U	**6150**
	08/13/2013	MW-57S-20130813-GW	ND	**57.7**	**438**	**535**	1 U	**6630**
	01/22/2014	MW57S012214	ND	**128**	**532**	**893**	0.95 U	**16400**
	07/23/2014	MW57S072314	ND	**70.6**	**351**	**593**	0.946 U	**5360**
	01/14/2015	MW57S011415	ND	**53**	**460**	**660**	0.948 U	**5600**
	08/12/2016	MW57S081216	ND	**68.6**	**367**	**597**	0.95 U	**3940**
MW-57D	08/14/2008	MW57D081508	ND	4.21	**2.97**	1 U	1 U	39
	10/06/2008	MW-57D100608	ND	3.45	0.961 U	0.961 U	**8.95**	51.9
dup	10/06/2008	MW-57D100608-Dup	ND	4.00	1.17	0.961 U	**10.7**	62.0
	01/27/2009	MW57D012709	ND	5.12	**3.00**	0.943 U	0.943 U	41.1
dup	01/27/2009	MW57D012709-Dup	ND	5.15	**3.45**	0.95 U	0.95 U	52.9
	04/07/2009	MW57D040709	ND	3.54	**2.40**	0.95 U	0.95 U	37.3
dup	04/07/2009	MW57D040709-Dup	ND	4.44	**3.14**	0.95 U	0.95 U	48.5
	08/06/2009	MW57D080609	ND	3.32	**2.13**	0.649 U	0.649 U	33.6

Table 4
Semivolatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	TEQ cPAHs	Noncarcinogenic PAHs				
				Dibenzofuran	1-Methyl-naphthalene	2-Methyl-naphthalene	Bis(2-ethylhexyl) phthalate	Naphthalene
MTCA Method B Groundwater Cleanup Level			0.012	32	1.5	32	6.3	160
MW-57D	01/13/2010	MW57D011310	ND	3.96	**2.36**	0.947 U	0.947 U	49.1
dup	01/13/2010	MW57D011310-Dup	ND	4.08	**2.34**	0.947 U	0.947 U	48.9
	08/12/2010	MW57D081210	ND	5.09	**2.73**	1.04	0.948 U	49.3 B
dup	08/12/2010	MW57D081210-Dup	ND	3.95	**2.05**	0.947 U	0.947 U	45.4 B
	01/14/2011	MW57D011411	ND	7.62	**3.93**	1.27	0.953 U	84.7
dup	01/14/2011	MW57DDUP011411	ND	5.8	**3.21**	1.07	0.951 U	74.6
	08/25/2011	MW57D082511	ND	0.952 U	0.952 U	0.952 U	0.952 U	35.7
dup	08/25/2011	MW57D082511-Dup	ND	4.14	0.955 U	0.955 U	0.955 U	38.8
	01/11/2012	MW57D011112	ND	4.81	**1.87**	0.95 U	0.95 U	44.6
dup	01/11/2012	MW57DDUP011112	ND	4.38	**1.7**	0.948 U	0.948 U	41.3
	08/13/2013	MW-57D-20130813-GW	ND	1 U	1 U	1 U	1 U	1.38
dup	08/13/2013	MW-57D-20130813-GW-DUP	ND	1 U	1 U	1 U	1 U	1.45
	01/22/2014	MW57D012214	ND	0.946 U	**1.84 J**	0.946 U	0.946 U	48.5 J
dup	01/22/2014	MW57DDUP012214	ND	1.81	**6.77 J**	2.51	0.947 U	**245 J**
	07/23/2014	MW57D072314	ND	5.24	**3.58**	1.83	0.944 U	55.7
dup	07/23/2014	MW57DDUP072314	ND	4.59	**3.37**	1.72	0.945 U	54.6
	01/14/2015	MW57D011415	ND	4.27 J	**2.09 J**	0.942 U	0.942 U	33.7
dup	01/14/2015	MW57DDUP011415	ND	8.48 J	**17.8 J**	3.41	0.947 U	50.7
	08/12/2016	MW57D081216	ND	5.12	**3.98**	1.07	0.944 U	80.9
dup	08/12/2016	MW57DDUP081216	ND	4.28	**3.69**	1.05	0.945 U	78.9
MW-58D	08/13/2008	MW58D081308	ND	0.947 U	0.947 U	0.947 U	0.947 U	0.947 U
	10/08/2008	MW-58D100808	ND	0.951 U	0.951 U	0.951 U	0.951 U	1.07
	01/27/2009	MW58D012709	ND	0.946 U	0.946 U	0.946 U	0.946 U	0.946 U
	04/07/2009	MW58D040709	ND	0.955 U	0.955 U	0.955 U	0.955 U	0.955 U
	08/06/2009	MW58D080609	ND	0.949 U	0.949 U	0.949 U	0.949 U	0.949 U
	01/14/2010	MW58D011410	ND	0.947 U	0.947 U	0.947 U	0.947 U	0.947 U
	08/12/2010	MW58D081210	ND	0.947 U	0.947 U	0.947 U	0.947 U	0.947 U
	01/19/2011	MW58D011911	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	08/26/2011	MW58D082611	ND	0.957 U	0.957 U	0.957 U	0.957 U	0.957 U
	01/13/2012	MW58D011312	ND	0.953 U	0.953 U	0.953 U	0.953 U	0.953 U
	08/13/2013	MW-58D-20130813-GW	--	--	--	--	--	--
	01/23/2014	MW58D012314	--	--	--	--	--	--
	07/24/2014	MW58D072414	--	--	--	--	--	--
	01/15/2015	MW58D011515		--	--	--	--	--
	08/11/2016	MW58D081116	--	--	--	--	--	--
RNWR Monitoring Wells (UWBZ)								
USDFW-1	10/24/2003	USDFW-1-102403	ND	4.9	--	1.1	--	120
	05/04/2004	USDFW1-050404	ND	4.4	--	0.39	--	87
	08/13/2004	USDFW1-081304	ND	4.4	--	0.19	--	28
	10/25/2004	USDFW1-102504	ND	2.7	--	0.18	--	39
	01/28/2005	USDFW1012805	ND	1.35	**2.2**	0.0679	**13**	21.1
	07/28/2005	USDFW1072805	ND	1.3	0.883	0.0476 U	**15**	2.53

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Semivolatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	TEQ cPAHs	Noncarcinogenic PAHs				
				Dibenzofuran	1-Methyl-naphthalene	2-Methyl-naphthalene	Bis(2-ethylhexyl) phthalate	Naphthalene
MTCA Method B Groundwater Cleanup Level			0.012	32	1.5	32	6.3	160
USDFW-1	02/01/2006	USDFW1020106	ND	0.965 U	0.965 U	0.965 U	5.69	0.965 U
	08/11/2006	USDFW1081106	ND	0.951 U	0.951 U	0.951 U	2.73	0.951 U
	01/22/2007	USDFW1012207	ND	0.948 U	0.948 U	0.948 U	0.948 U	0.948 U
	08/27/2007	USDFW1082707	ND	0.946 U	0.946 U	0.946 U	0.946 U	0.946 U
	01/28/2008	USDFW1012808	ND	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
	08/21/2008	USDW1082108	ND	0.948 U	0.948 U	0.948 U	0.948 U	0.948 U
	02/03/2009	USDFW1020309	ND	0.946 U	0.946 U	0.946 U	0.946 U	0.946 U
	08/07/2009	USDFW1080709	ND	0.943 U	0.943 U	0.943 U	0.943 U	0.943 U
	01/28/2010	USDFW1012810	ND	1.01 U	1.01 U	1.01 U	1.01 U	1.01 U
	08/26/2010	USDFW1082610	ND	0.946 U	0.946 U	0.946 U	0.946 U	0.946 U
	01/26/2011	USDFW1012611	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	09/06/2011	USDFW1090611	ND	0.954 U	0.954 U	0.954 U	0.954 U	0.954 U
	01/25/2012	USDFW1012512	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	08/07/2012	USDFW1080712	--	--	--	--	--	--
	08/14/2013	USDFW-1-20130814-GW	--	--	--	--	--	--
	01/27/2014	USDFW1012714	--	--	--	--	--	--
	07/21/2014	USDFW1072114	--	--	--	--	--	--
	01/13/2015	USDFW1011315		--	--	--	--	--
	08/12/2016	USDFW1081216	--	--	--	--	--	--
RMW-2S	08/21/2008	RMW2S082108	ND	0.949 U	0.949 U	0.949 U	0.949 U	1 U
	10/09/2008	RMW2S100908	ND	0.949 U	0.949 U	0.949 U	0.949 U	0.949 U
	02/03/2009	RMW2S020309	ND	0.944 U	0.944 U	0.944 U	0.944 U	0.944 U
	04/08/2009	RMW2S040809	ND	0.948 U	0.948 U	0.948 U	0.948 U	0.948 U
	08/07/2009	RMW2S080709	ND	0.945 U	0.945 U	0.945 U	0.945 U	0.945 U
	01/28/2010	RMW2S012810	ND	0.947 U	0.947 U	0.947 U	0.947 U	0.947 U
	08/26/2010	RMW2S082610	ND	0.948 U	0.948 U	0.948 U	0.948 U	0.948 U
	01/26/2011	RMW2S012611	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	09/06/2011	RMW2S090611	ND	0.952 U	0.952 U	0.952 U	0.952 U	0.952 U
	01/25/2012	RMW2S012512	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	08/07/2012	RMW2S080712	--	--	--	--	--	--
	08/14/2013	RMW-2S-20130814-GW	--	--	--	--	--	--
	01/27/2014	RMW2S012714	--	--	--	--	--	--
	07/21/2014	RMW2S072114	--	--	--	--	--	--
	01/13/2015	RMW2S011315		--	--	--	--	--
	08/12/2016	RMW2S081216	--	--	--	--	--	--
RMW-2D	08/21/2008	RMW2D082108	ND	0.961 U	0.961 U	0.961 U	0.961 U	1 U
	10/09/2008	RMW2D100908	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	02/03/2009	RMW2D020309	ND	0.947 U	0.947 U	0.947 U	0.947 U	0.947 U
	04/08/2009	RMW2D040809	ND	0.946 U	0.946 U	0.946 U	0.946 U	0.946 U
	08/07/2009	RMW2D080709	ND	0.944 U	0.944 U	0.944 U	0.944 U	0.944 U
	01/28/2010	RMW2D012810	ND	0.948 U	0.948 U	0.948 U	0.948 U	0.948 U
	08/26/2010	RMW2D082610	ND	0.945 U	0.945 U	0.945 U	0.945 U	0.945 U

Table 4
Semivolatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	TEQ cPAHs	Noncarcinogenic PAHs				
				Dibenzofuran	1-Methyl-naphthalene	2-Methyl-naphthalene	Bis(2-ethylhexyl) phthalate	Naphthalene
MTCA Method B Groundwater Cleanup Level			0.012	32	1.5	32	6.3	160
RMW-2D	01/26/2011	RMW2D012611	ND	0.952 U	0.952 U	0.952 U	0.952 U	0.952 U
	09/06/2011	RMW2D090611	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	01/25/2012	RMW2D012512	ND	0.957 U	0.957 U	0.957 U	0.957 U	0.957 U
	08/07/2012	RMW2D080712	--	--	--	--	--	--
	08/14/2013	RMW-2D-20130814-GW	--	--	--	--	--	--
	01/27/2014	RMW2D012714	--	--	--	--	--	--
	07/21/2014	RMW2D072114	--	--	--	--	--	--
	01/13/2015	RMW2D011315		--	--	--	--	--
	08/12/2016	RMW2D081216	--	--	--	--	--	--
Cell 2 (LWBZ)								
MW-55	08/14/2008	MW55081408	ND	1.39	0.955 U	0.955 U	0.955 U	0.955 U
	10/03/2008	MW55100308	ND	0.954 U	0.954 U	0.954 U	0.954 U	0.954 U
	01/27/2009	MW55012709	ND	1.38	0.946 U	0.946 U	0.946 U	1.47
	04/07/2009	MW55040709	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	08/06/2009	MW55080609	ND	1.1	0.948 U	0.948 U	0.948 U	1.26
	01/14/2010	MW55011410	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	08/12/2010	MW55081210	ND	1.34	0.949 U	0.949 U	0.949 U	0.949 U
	01/14/2011	MW55011411	ND	1.39	0.957 U	0.957 U	0.957 U	0.957 U
	08/08/2011	MW55080811	ND	1.2	0.951 U	0.951 U	0.951 U	0.951 U
	01/12/2012	MW55011212	ND	1.04	0.952 U	0.952 U	0.952 U	0.952 U
	08/13/2013	MW-55-20130813-GW	--	--	--	--	--	--
	01/24/2014	MW55012414	--	--	--	--	--	--
	07/23/2014	MW55072314	--	--	--	--	--	--
	01/15/2015	MW55011515		--	--	--	--	--
	08/11/2016	MW55081116	--	--	--	--	--	--
MW-56	08/21/2008	MW56082108	ND	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
	10/08/2008	MW-56100808	ND	0.955 U	0.955 U	0.955 U	0.955 U	2.05
	01/27/2009	MW56012709	ND	0.945 U	0.945 U	0.945 U	0.945 U	0.945 U
	04/07/2009	MW56040709	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	08/06/2009	MW56080609	ND	0.949 U	0.949 U	0.949 U	0.949 U	0.949 U
	01/14/2010	MW56011410	ND	0.952 U	0.952 U	0.952 U	0.952 U	0.952 U
	08/12/2010	MW56081210	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	01/19/2011	MW56011911	ND	0.952 U	0.952 U	0.952 U	0.952 U	0.952 U
	08/26/2011	MW56082611	ND	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
	01/13/2012	MW56011312	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	08/13/2013	MW-56-20130813-GW	--	--	--	--	--	--
	01/23/2014	MW56012314	--	--	--	--	--	--
	07/24/2014	MW56072414	--	--	--	--	--	--
	01/15/2015	MW56011515		--	--	--	--	--
	08/11/2016	MW56081116	ND	0.947 U	0.947 U	0.947 U	0.947 U	0.947 U

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Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	TEQ cPAHs	Noncarcinogenic PAHs				
				Dibenzofuran	1-Methyl-naphthalene	2-Methyl-naphthalene	Bis(2-ethylhexyl) phthalate	Naphthalene
MTCA Method B Groundwater Cleanup Level			0.012	32	1.5	32	6.3	160
MW-62	09/08/2010	MW62090810	ND	0.985 U	0.985 U	0.985 U	0.985 U	0.985 U
	01/14/2011	MW62011411	**1.60**	0.951 U	0.951 U	0.951 U	1.14	0.951 U
	08/25/2011	MW62082511	ND	0.954 U	0.954 U	0.954 U	0.954 U	0.954 U
	01/11/2012	MW62011112	ND	0.954 U	0.954 U	0.954 U	0.954 U	0.954 U
	08/07/2012	MW62080712	--	--	--	--	--	--
	08/13/2013	MW-62-20130813-GW	--	--	--	--	--	--
	01/22/2014	MW62012214	--	--	--	--	--	--
	07/22/2014	MW62072314	--	--	--	--	--	--
	01/13/2015	MW62011415	--	--	--	--	--	--
	08/15/2016	MW62081516	--	--	--	--	--	--
RNWR Monitoring Well (LWBZ)								
MW-60	09/03/2008	MW60090308	ND	0.948 U	0.948 U	0.948 U	0.948 U	0.948 U
	10/09/2008	MW601000908	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	02/03/2009	MW60020309	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	04/08/2009	MW60040809	ND	0.945 U	0.945 U	0.945 U	0.945 U	0.945 U
	08/07/2009	MW60080709	ND	0.948 U	0.948 U	0.948 U	0.948 U	0.948 U
	01/28/2010	MW60012810	ND	0.948 U	0.948 U	0.948 U	0.948 U	0.948 U
	08/25/2010	MW60082510	ND	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
	01/24/2011	MW60012411	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	09/06/2011	MW60090611	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	01/25/2012	MW60012512	ND	0.953 U	0.953 U	0.953 U	0.953 U	0.953 U
MW-61	09/03/2010	MW61090310	ND	1.01 U	1.01 U	1.01 U	1.01 U	1.01 U
	01/24/2011	MW61012411	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	09/02/2011	MW61090211	ND	0.951 U	0.951 U	0.951 U	0.951 U	0.951 U
	01/24/2012	MW61012412	ND	0.958 U	0.958 U	0.958 U	0.958 U	0.958 U
	08/06/2012	MW61080612	--	--	--	--	--	--
	08/14/2013	MW-61-20130814-GW	ND	1 U	1 U	1 U	1 U	1 U
	01/23/2014	MW61012314	ND	0.955 U	0.955 U	0.955 U	0.955 U	0.955 U
	07/22/2014	MW61072214	--	--	--	--	--	--
	01/12/2015	MW61011215	--	--	--	--	--	--
	08/12/2016	MW61081216	ND	0.949 U	0.949 U	0.949 U	0.949 U	0.949 U
MW-63	09/20/2012	MW63-W-110.0	ND	1.03 UJ	1.03 UJ	1.03 UJ	1.03 UJ	1.03 UJ
	08/14/2013	MW-63-20130814-GW	ND	1 U	1 U	1 U	1 U	1 U
	01/23/2014	MW63012314	ND	0.952 U	0.952 U	0.952 U	0.952 U	0.952 U
	07/22/2014	MW63072214	ND	0.943 U	0.943 U	0.943 U	0.943 U	0.943 U
	01/12/2015	MW63011215	ND	0.947 U	0.947 U	0.947 U	0.947 U	0.947 U
	08/12/2016	MW63081216	ND	0.949 U	0.949 U	0.949 U	0.949 U	0.949 U

Table 4
Semivolatile Organic Compounds in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

NOTES:

Bold number indicates detected concentration that exceeds cleanup level.

-- = not analyzed.

B = Blank exhibited positive result greater than reporting limit for this compound.

cPAH = carcinogenic polycyclic aromatic hydrocarbon.

dup = duplicate sample.

J = Result for this analyte is estimated concentration.

LE = laboratory error resulted in no results.

LWBZ = lower water-bearing zone.

MTCA = Washington State Department of Ecology's Model Toxics Control Act.

ND = no cPAH detections.

NV = no value.

PAH = polycyclic aromatic hydrocarbon.

RNWR = Ridgefield National Wildlife Refuge.

TEQ cPAHs = toxicity equivalent cPAHs. If one or more of the seven cPAHs are detected in the groundwater sample, TEQ is calculated using appropriate toxicity equivalent factors. If a certain cPAH analyte has not been detected in groundwater at the site, then a value of "0" is used for non-detects of that specific cPAH analyte. Other analytes that historically have been detected on the property but that are not detected in a certain event are summed using half of the method reporting limit. For groundwater samples that do not detect any cPAH analytes, "ND" is entered as the value.

U = not detected at or above the method reporting limit (note that, starting in July 2014, cPAHs are reported to the method detection limit).

ug/L = micrograms per liter.

UWBZ = upper water-bearing zone.

Table 5
Dissolved Metals in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Arsenic
MTCA Method A Groundwater Cleanup Level			5
Cell 2 Monitoring Wells (UWBZ)			
MW-55S	08/20/2010	MW55S082010	**35**
	01/14/2011	MW55S011411	**36.7**
	08/08/2011	MW55S080811	**36.5**
	01/12/2012	MW55S011212	**47**
	08/13/2013	MW-55S-20130813-GW	**66.4**
	01/24/2014	MW55S012414	**63.2**
	07/23/2014	MW55S072314	**60.7**
	01/15/2015	MW55S011515	**64.9**
	08/11/2016	MW55S081116	**54**
MW-55D	09/07/2010	MW55D090710	**7.4**
	01/14/2011	MW55D011411	**9.18**
	08/08/2011	MW55D080811	**8**
	01/12/2012	MW55D011212	**5.62**
	08/13/2013	MW-55D-20130813-GW	0.951
	01/24/2014	MW55D012414	0.436
	07/23/2014	MW55D072314	**16.4**
	01/15/2015	MW55D011515	**14.5**
	08/11/2016	MW55D081116	**12**
MW-57S	08/15/2008	MW57S081508	**41**
	10/06/2008	MW-57S100608	**17**
	01/27/2009	MW57S012709	**23**
	04/07/2009	MW57S040709	**46**
	08/06/2009	MW57S080609	**51**
	01/13/2010	MW57S011310	**61**
	08/12/2010	MW57S081210	**40**
	01/14/2011	MW57S011411	**38.5**
	08/25/2011	MW57S082511	**36.9**
	01/11/2012	MW57S011112	**40.8**
	08/13/2013	MW-57S-20130813-GW	**60.3**
	01/22/2014	MW57S012214	**82.3**
	07/23/2014	MW57S072314	**72.4**
	01/14/2015	MW57S011415	**81.1**
	08/12/2016	MW57S081216	**71**
MW-57D	08/14/2008	MW57D081508	**19**
	10/06/2008	MW-57D100608	**6.8**
dup	10/06/2008	MW-57D100608-Dup	**8.8**
	01/27/2009	MW57D012709	**11**
dup	01/27/2009	MW57D012709-Dup	**11**
	04/07/2009	MW57D040709	**17**
dup	04/07/2009	MW57D040709-Dup	**17**
	08/06/2009	MW57D080609	**21**
	01/13/2010	MW57D011310	**21**
dup	01/13/2010	MW57D011310-Dup	**22**

Table 5
Dissolved Metals in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Arsenic
MTCA Method A Groundwater Cleanup Level			5
MW-57D	08/12/2010	MW57D081210	**19**
dup	08/12/2010	MW57D081210-Dup	**14**
	01/14/2011	MW57D011411	**18.6**
dup	01/14/2011	MW57DDUP011411	**17.6**
	08/25/2011	MW57D082511	**20.4**
dup	08/25/2011	MW57DDUP082511	**21**
	01/11/2012	MW57D011112	**20.3**
dup	01/11/2012	MW57DDUP011112	**22.4**
	08/13/2013	MW-57D-20130813-GW	**28.6**
dup	08/13/2013	MW-57D-20130813-GW-DUP	**30**
	01/22/2014	MW57D012214	**34**
dup	01/22/2014	MW57DDUP012214	**34.4**
	07/23/2014	MW57D072314	**25.7**
dup	07/23/2014	MW57DDUP072314	**25.3**
	01/14/2015	MW57D011415	**24.3**
dup	01/14/2015	MW57DDUP011415	**24.6**
	08/12/2016	MW57D081216	**22.1**
dup	08/12/2016	MW57DDUP081216	**22.1**
MW-58D	08/13/2008	MW58D081308	**7.3**
	10/08/2008	MW-58D100808	**6.9**
	01/27/2009	MW58D012709	**10**
	04/07/2009	MW58D040709	**11**
	08/06/2009	MW58D080609	**14**
	01/14/2010	MW58D011410	**13**
	08/12/2010	MW58D081210	**10**
	01/19/2011	MW58D011911	**2.72**
	08/26/2011	MW58D082611	**10.3**
	01/13/2012	MW58D011312	**10.7**
	08/13/2013	MW-58D-20130813-GW	**13.4**
	07/24/2014	MW58D072414	**13.2**
	01/15/2015	MW58D011515	**12.5**
	08/11/2016	MW58D081116	**10.5**
RNWR Monitoring Wells (UWBZ)			
USDFW-1	05/04/2004	USDFW1-050404	5 U
	08/13/2004	USDFW1-081304	5 U
	10/25/2004	USDFW1-102504	5 U
	01/28/2005	USDFW1012805	2.5 U
	07/28/2005	USDFW1072805	2.5 U
	02/01/2006	USDFW1020106	1.9
	08/11/2006	USDFW1081106	1.8
	01/22/2007	USDFW1012207	2.4
	08/27/2007	USDFW1082707	2.6
	01/28/2008	USDFW1012808	1.9
	08/21/2008	USDW1082108	1.8
	02/03/2009	USDFW1020309	1.6

Table 5
Dissolved Metals in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Arsenic
MTCA Method A Groundwater Cleanup Level			5
	08/07/2009	USDFW1080709	1.9
	01/28/2010	USDFW1012810	1.9
	08/26/2010	USDFW1082610	2.2
	01/26/2011	USDFW1012611	1.79
	09/06/2011	USDFW1090611	2.04
	01/25/2012	USDFW1012512	1.59
	08/07/2012	USDFW1080712	1.79
	08/14/2013	USDFW-1-20130814-GW	2.1
	05/04/2004	USDFW2-050404	**7.9**
	08/13/2004	USDFW2-081304	**9.3**
	10/25/2004	USDFW2-102504	**9**
	01/28/2005	USDFW2012805	**23.3**
	07/28/2005	USDFW2072805	**9.03**
	02/01/2006	USDFW2020106	**6.5**
	08/11/2006	NS	NS
	01/22/2007	USDFW2012207	**11**
	08/27/2007	USDFW2082707	**11**
	01/28/2008	USDFW2012808	**9.2**
	05/04/2004	USDFW3-050404	**11.1**
	08/13/2004	USDFW3-081304	**15.1**
	10/25/2004	USDFW3-102504	**13.6**
	01/28/2005	USDFW3012805	**13.2**
	07/28/2005	USDFW3072805	**13.7**
	02/01/2006	USDFW3020106	**8.4**
	08/11/2006	USDFW3081106	**14**
	01/22/2007	USDFW3012207	**14**
	08/27/2007	USDFW3082707	**15**
	01/28/2008	USDFW3012808	**12**
	01/27/2014	USDFW1012714	1.8
	07/21/2014	USDFW1072114	1.98
	01/13/2015	USDFW1011315	1.72
	08/12/2016	USDFW1081216	1.49
RNWR Monitoring Wells (LWBZ)			
MW-63	09/20/2012	MW63-W-110.0	0.17
	08/14/2013	MW-63-20130814-GW	0.854
	01/23/2014	MW63012314	0.1 U
	07/22/2014	MW63072214	0.281
	01/12/2015	MW63011215	0.1 U
	08/12/2016	MW63081216	0.1 U

Table 5
Dissolved Metals in Groundwater—Cells 1 and 2 Plume (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

NOTES:

Bold indicates detected concentration that exceeds MTCA Method A groundwater cleanup level.

dup = duplicate sample.

LWBZ = lower water-bearing zone.

MTCA = Washington State Department of Ecology's Model Toxics Control Act.

NS = not sampled.

RNWR = Ridgefield National Wildlife Refuge.

U = not detected at or above method reporting limit.

ug/L = micrograms per liter.

UWBZ = upper water-bearing zone.

Table 6
Cell 3 Plume Groundwater Point of Compliance Sampling Results (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Arsenic	Tetrachloro-ethene	Pentachloro-phenol
MTCA Method B Groundwater CUL			5[a]	5	0.22
Shallow UWBZ					
MW-46S	07/27/2004	MW48-072704	**32.6**	--	--
	10/21/2004	MW48-102104	**31.8**	--	--
	01/20/2005	MW46S012005	**47.1**	--	--
	04/26/2005	MW46S042705	**12.0**	--	--
	07/19/2005	MW46S072005	**51.2**	--	--
	10/19/2005	MW46S101905	**11**	--	--
	01/19/2006	MW46S011906	**37**	--	--
	04/27/2006	MW46S042706	**35**	--	--
	08/03/2006	MW46S080306	**40**	--	--
	10/25/2006	MW46S102506	**52**	--	--
	01/11/2007	MW46S011107	**56**	--	--
	04/11/2007	MW46S041107	**44**	--	--
	08/08/2007	MW46S080807	**42**	--	--
	01/11/2008	MW46S011108	**38**	--	--
	08/08/2008	MW46S080808	**53**	--	--
	01/20/2009	MW46S012309	**18**	--	--
	08/04/2009	MW46S080409	**43**	--	--
	01/08/2010	MW46S010810	**32**	--	--
	08/24/2011	MW46S082411	**24.1**	--	--
	08/08/2012	MW46S080812	**21.7**	--	--
	08/12/2013	MW-46S-20130812-GW	**20.8**	--	--
	01/22/2014	MW46S012214	**20.1**	--	--
	07/22/2014	MW46S072214	**39.4**	--	--
	01/14/2015	MW46S011415	**14.5**	--	--
	08/15/2016	MW46S081516	**28.5**	--	--
Deep UWBZ					
MW-29	08/06/2002	GW-123	--	**28**	--
	01/22/2004	MW29-012204	--	**27**	--
	04/30/2004	MW29-043004	--	**21**	--
MW-29D	10/21/2004	MW29R-102104	--	**17**	--
	01/19/2005	MW29D011905	--	**18.8**	--
	04/26/2005	MW29D042605	--	**20.1**	--
	07/19/2005	MW29D071905	--	**13.4 J**	--
	10/18/2005	MW29D101805	--	**9.12**	--
	01/18/2006	MW29D011806	--	**11.6**	--
	04/26/2006	MW29D042606	--	**13.7**	--
	08/01/2006	MW29D080106	--	**6.51**	--
	10/24/2006	MW29D102406	--	**18.8**	--
	01/09/2007	MW29D010907	--	**18.5**	--

Table 6
Cell 3 Plume Groundwater Point of Compliance Sampling Results (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Arsenic	Tetrachloro-ethene	Pentachloro-phenol
MTCA Method B Groundwater CUL			5[a]	5	0.22
MW-29D	04/10/2007	MW29D041007	--	**5.61**	--
	08/07/2007	MW29D080707	--	**15.2**	--
	01/10/2008	MW29D011008	--	**15.1**	--
	08/07/2008	MW29D080708	--	4.60	--
	01/20/2009	MW29D012109	--	**11.1**	--
	08/03/2009	MW29D080309	--	**9.84**	--
	01/07/2010	MW29D010710	--	**12.1**	--
	08/22/2011	MW29D082211	--	**9.85**	--
	01/26/2012	MW29D012612	--	**8.73**	--
	08/08/2012	MW29D080812	--	3.87	--
	08/12/2013	MW-29D-20130812-GW	--	2.26	--
	01/21/2014	MW29D012114	--	2.56	--
	07/22/2014	MW29D072214	--	2.01	--
	01/12/2015	MW29D011215	--	1.8	--
	08/15/2016	MW29D081516	--	1 U	--
MW-45D	07/26/2004	MW45-072604	--	**6.3**	**120**
	10/21/2004	MW45-102104	--	**6.8**	**120 J**
	01/20/2005	MW45D012005	--	**5.68**	**24.2**
	04/26/2005	MW45D042705	--	**6.78**	**105**
dup	04/26/2005	MW45D042705-Dup	--	**6.36**	**114**
	07/19/2005	MW45D072005	--	4.96 J	**81**
	10/21/2005	MW45D102105	--	2.06	**64.5**
dup	10/21/2005	MW45D102105-DUP	--	2.14	**56.3**
	01/19/2006	MW45D011906	--	1 U	**47.0**
	04/28/2006	MW45D042806	--	3.52	**61.8**
dup	04/28/2006	MW45D042806-Dup	--	3.36	**72.9**
	08/03/2006	MW45D080306	--	1 U	**75.2**
dup	08/03/2006	MW45D080306-Dup	--	1 U	**84.0**
	10/25/2006	MW45D102506	--	**5.04**	**72.0**
dup	10/25/2006	MW45D102506-Dup	--	**5.24**	**58.8**
	01/10/2007	MW45D011007	--	**5.14**	**38.2**
dup	01/10/2007	MW45D011007-Dup	--	4.98	**38.1**
	04/11/2007	MW45D041107	--	1 U	**35.9**
dup	04/11/2007	MW45D041107-Dup	--	1 U	**28.6**
	08/08/2007	MW45D080807	--	1 U	**36.7**
	01/11/2008	MW45D011108	--	4.51	**70.1**
	08/08/2008	MW45D080808	--	1 U	**34.9**
	01/20/2009	MW45D012209	--	3.16	**40.2**
dup	01/20/2009	MW45D012209-Dup	--	3.2	**45.3**
	08/04/2009	MW45D080409	--	3.08	**53.0**

Table 6
Cell 3 Plume Groundwater Point of Compliance Sampling Results (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Arsenic	Tetrachloro-ethene	Pentachloro-phenol
MTCA Method B Groundwater CUL			5[a]	5	0.22
MW-45D	01/07/2010	MW45D010710	--	3.65	**35.5**
	08/24/2011	MW45D082411	--	**5.75**	**19.4**
dup	08/24/2011	MW45D082411-Dup	--	**5.7**	**50.6**
	08/08/2012	MW45D080812	--	**5.66**	**29**
dup	08/08/2012	MW45DDUP080812	--	**6.3**	**30.5**
	08/12/2013	MW-45D-20130812-GW	--	3.03 J	0.5 UJ
dup	08/12/2013	MW-45D-20130812-GW-DUP	--	1.07 J	**3.44**
	01/22/2014	MW45D012214	--	3.59	**34.8**
dup	01/22/2014	MW45DDUP012214	--	3.48	**37.2**
	07/22/2014	MW45D072214	--	4.47	**21.5**
dup	07/22/2014	MW45DDUP072214	--	3.68	**22.4**
	01/14/2015	MW45D011415	--	3.79	**16.2**
dup	01/14/2015	MW45DDUP011415	--	3.64	**18.7**
	08/15/2016	MW45D081516	--	1.45	**9.96**
dup	08/15/2016	MW45DDUP081516	--	1.53	**9.2**
MW-46D	07/27/2004	MW47-072704	--	**9.3**	--
	10/21/2004	MW47-102104	--	**9.8**	--
	01/20/2005	MW46D012005	--	**8.95**	--
	04/26/2005	MW46D042705	--	**10.7**	--
	07/19/2005	MW46D072005	--	**7.82 J**	--
	10/19/2005	MW46D101905	--	3.76	--
	01/19/2006	MW46D011906	--	3.92	--
	04/27/2006	MW46D042706	--	**5.91**	--
	08/03/2006	MW46D080306	--	1.71	--
	10/25/2006	MW46D102506	--	**7.96**	--
	01/11/2007	MW46D011107	--	**7.83**	--
	04/11/2007	MW46D041107	--	1 U	--
	08/08/2007	MW46D080807	--	1 U	--
	01/11/2008	MW46D011108	--	**6.85**	--
	08/08/2008	MW46D080808	--	2.2	--
	01/20/2009	MW46D012309	--	**5.13**	--
	08/04/2009	MW46D080409	--	**5.05**	--
	01/08/2010	MW46D010810	--	**6.4**	--
	08/22/2011	MW46D082211	--	**6.9**	--
	08/08/2012	MW46D080812	--	**6.95**	--
	08/12/2013	MW-46D-20130812-GW	--	3.67	--
	01/22/2014	MW46D012214	--	3.31	--
	07/22/2014	MW46D072214	--	4.21	--
	01/14/2015	MW46D011415	--	2.93	--
	08/15/2016	MW46D081516	--	2.19	--

Table 6
Cell 3 Plume Groundwater Point of Compliance Sampling Results (ug/L)
Pacific Wood Treating Co. Site
Ridgefield, Washington

Location	Date Collected	Sample Name	Arsenic	Tetrachloro-ethene	Pentachloro-phenol
MTCA Method B Groundwater CUL			5[a]	5	0.22
MW-47D	07/26/2004	MW50-072604	--	**20**	--
	10/21/2004	MW50-102104	--	**19**	--
	01/19/2005	MW47D011905	--	**17.2**	--
	04/26/2005	MW47D042605	--	**20.8**	--
	07/19/2005	MW47D071905	--	**14.5 J**	--
	10/18/2005	MW47D101805	--	**8.28**	--
	01/18/2006	MW47D011806	--	**9.45**	--
	04/26/2006	MW47D042606	--	**8.61**	--
	08/01/2006	MW47D080106	--	**9.61**	--
	10/24/2006	MW47D102406	--	**15.3**	--
	01/09/2007	MW47D010907	--	**15.5**	--
	04/10/2007	MW47D041007	--	2.27	--
	08/07/2007	MW47D080707	--	**7.12**	--
	01/10/2008	MW47D011008	--	**13.6**	--
	08/07/2008	MW47D080708	--	4.58	--
	01/20/2009	MW47D012109	--	**11.0**	--
	08/03/2009	MW47D080309	--	**8.64**	--
	01/07/2010	MW47D010710	--	**7.86**	--
	08/22/2011	MW47D082211	--	**15.4**	--
	01/26/2012	MW47D012612	--	**14.2**	--
	08/08/2012	MW47D080812	--	**14.4**	--
	08/12/2013	MW-47D-20130812-GW	--	**7.66**	--
	01/21/2014	MW47D012114	--	**10.4**	--
	07/22/2014	MW47D072214	--	**10.2**	--
	01/12/2015	MW47D011215	--	**8.41**	--
	08/15/2016	MW47D081516	--	4.22	--

NOTES:

Bold number indicates detected concentration that exceeds CUL.

-- = not analyzed.

CUL = cleanup level.

dup = duplicate sample.

J = Result for this analyte is estimated concentration.

MTCA = Washington State Department of Ecology's Model Toxics Control Act.

U = not detected at or above method reporting limit.

ug/L = micrograms per liter.

UWBZ = upper water-bearing zone.

[a]MTCA Method A CUL.

FIGURE

Source: Aerial photograph obtained from Esri ArcGIS Online

Legend

Monitoring Wells

- *Shallow Upper Water-Bearing Zone*
- *Deep Upper Water-Bearing Zone*
- *Lower Water-Bearing Zone*

Cell Boundaries

Figure
Monitoring Well Locations

Port of Ridgefield
Ridgefield, Washington

0 100 200
Feet

MAUL FOSTER ALONGI
p. 971 544 2139 | www.maulfoster.com

Path: X:\9003.01 Port of Ridgefield\28\07\Projects\Fig_Monitoring Well Locations.mxd
Print Date: 1/2/2014
Approved By: ahughes
Produced By: rmaronn
Project: 9003.01.28/07

ATTACHMENT A

LABORATORY ANALYTICAL REPORT

Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

September 07, 2016

Alan Hughes
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, WA 98660

TEL: (360) 694-2691
FAX: (360) 906-1958
RE: POR Groundwater / 9003.01.28

Dear Alan Hughes: Order No.: 1608154

Specialty Analytical received 20 sample(s) on 8/17/2016 for the analyses presented in the following report.

REVISED REPORT: Please see case narrative for information on revision.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

Marty French
Lab Director

Case Narrative

WO#: **1608154**

Date: **9/7/2016**

CLIENT: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28

The Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) for 2,3,4-Trichlorophenol, 2,3,5-Trichlorophenol, 2,3,6-Trichlorophenol, and 3,4,5-Trichlorophenol per EPA 8270 were not included in the spike mix. No further corrective action taken due insufficient sample volume to perform a re-extraction and analysis.

Revision 1.

Report revised to correct sample ID MW62081216 to MW62081516 based on the sample collection date.

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 10:50:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-001
Client Sample ID: MW58D081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS-DISSOLVED RECOVERABLE		**SW6020A**				Analyst: **jw**
Arsenic	10.5	0.100		µg/L	1	8/22/2016 11:34:17 AM
SEMI-VOLATILE COMPOUNDS - ACID FRACTION		**SW8270D**				Analyst: **CK**
Pentachlorophenol	ND	0.472		µg/L	1	8/26/2016 3:35:00 PM
Surr: 2,4,6-Tribromophenol	50.0	49.1-114		%REC	1	8/26/2016 3:35:00 PM
Surr: 2-Fluorophenol	29.8	5.79-119		%REC	1	8/26/2016 3:35:00 PM
Surr: Phenol-d6	18.3	10.6-117.9		%REC	1	8/26/2016 3:35:00 PM
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
2-Butanone	ND	10.0		µg/L	1	8/18/2016 2:54:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/18/2016 2:54:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/18/2016 2:54:00 PM
Acetone	ND	50.0		µg/L	1	8/18/2016 2:54:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/18/2016 2:54:00 PM
Benzene	8.43	0.300		µg/L	1	8/18/2016 2:54:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 10:50:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-001
Client Sample ID: MW58D081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Bromobenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Bromoform	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Bromomethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/18/2016 2:54:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Chloroethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Chloroform	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Chloromethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
m,p-Xylene	ND	2.00		µg/L	1	8/18/2016 2:54:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/18/2016 2:54:00 PM
Naphthalene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
o-Xylene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Styrene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Toluene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Trichloroethene	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Vinyl chloride	ND	1.00		µg/L	1	8/18/2016 2:54:00 PM
Surr: 1,2-Dichloroethane-d4	105	85.3-126		%REC	1	8/18/2016 2:54:00 PM
Surr: 4-Bromofluorobenzene	98.7	78.1-120		%REC	1	8/18/2016 2:54:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 10:50:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-001
Client Sample ID: MW58D081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Surr: Dibromofluoromethane	105	84.2-122		%REC	1	8/18/2016 2:54:00 PM
Surr: Toluene-d8	92.6	86.2-135		%REC	1	8/18/2016 2:54:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 11:25:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-002
Client Sample ID: MW56081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS-LOW LEVEL		**SW8270D**				Analyst: **CK**
1-Methylnaphthalene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
2,3,4,6-Tetrachlorophenol	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
2,3,4-Trichlorophenol	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
2,3,5,6-Tetrachlorophenol	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
2,3,5-Trichlorophenol	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
2,3,6-Trichlorophenol	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
2,4,5-Trichlorophenol	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
2,4,6-Trichlorophenol	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
2-Methylnaphthalene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
3,4,5-Trichlorophenol	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Acenaphthene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Acenaphthylene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Anthracene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Benz(a)anthracene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Benzo(a)pyrene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Benzo(b)fluoranthene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Benzo(g,h,i)perylene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Benzo(k)fluoranthene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Carbazole	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Chrysene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Dibenz(a,h)anthracene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Dibenzofuran	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Fluoranthene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Fluorene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Naphthalene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Pentachlorophenol	31.5	1.42		µg/L	1	9/2/2016 1:31:00 PM
Phenanthrene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Pyrene	ND	0.947		µg/L	1	9/2/2016 1:31:00 PM
Surr: 2,4,6-Tribromophenol	59.6	33.1-119.7		%REC	1	9/2/2016 1:31:00 PM
Surr: 2-Fluorobiphenyl	66.2	33.1-116.2		%REC	1	9/2/2016 1:31:00 PM
Surr: 2-Fluorophenol	34.7	13.4-117.1		%REC	1	9/2/2016 1:31:00 PM
Surr: 4-Terphenyl-d14	62.8	41-122		%REC	1	9/2/2016 1:31:00 PM
Surr: Nitrobenzene-d5	63.8	28.9-119.9		%REC	1	9/2/2016 1:31:00 PM
Surr: Phenol-d6	19.9	10.6-118.5		%REC	1	9/2/2016 1:31:00 PM
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 11:25:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-002
Client Sample ID: MW56081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
2-Butanone	ND	10.0		µg/L	1	8/18/2016 3:26:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/18/2016 3:26:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/18/2016 3:26:00 PM
Acetone	ND	50.0		µg/L	1	8/18/2016 3:26:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/18/2016 3:26:00 PM
Benzene	ND	0.300		µg/L	1	8/18/2016 3:26:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Bromoform	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Bromomethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/18/2016 3:26:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Chloroethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Chloroform	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 11:25:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-002
Client Sample ID: MW56081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Chloromethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
m,p-Xylene	ND	2.00		µg/L	1	8/18/2016 3:26:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/18/2016 3:26:00 PM
Naphthalene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
o-Xylene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Styrene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Toluene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Trichloroethene	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Vinyl chloride	ND	1.00		µg/L	1	8/18/2016 3:26:00 PM
Surr: 1,2-Dichloroethane-d4	102	85.3-126		%REC	1	8/18/2016 3:26:00 PM
Surr: 4-Bromofluorobenzene	101	78.1-120		%REC	1	8/18/2016 3:26:00 PM
Surr: Dibromofluoromethane	105	84.2-122		%REC	1	8/18/2016 3:26:00 PM
Surr: Toluene-d8	98.2	86.2-135		%REC	1	8/18/2016 3:26:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 2:00:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-003
Client Sample ID: MW55S081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS-DISSOLVED RECOVERABLE		**SW6020A**				Analyst: **jw**
Arsenic	54.0	0.100		µg/L	1	8/22/2016 11:47:47 AM
SEMIVOLATILE ORGANICS-LOW LEVEL		**SW8270D**				Analyst: **CK**
1-Methylnaphthalene	427	18.9		µg/L	20	9/2/2016 1:57:00 PM
2,3,4,6-Tetrachlorophenol	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
2,3,4-Trichlorophenol	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
2,3,5,6-Tetrachlorophenol	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
2,3,5-Trichlorophenol	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
2,3,6-Trichlorophenol	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
2,4,5-Trichlorophenol	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
2,4,6-Trichlorophenol	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
2-Methylnaphthalene	71.1	4.73		µg/L	5	9/2/2016 4:37:00 PM
3,4,5-Trichlorophenol	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Acenaphthene	245	18.9		µg/L	20	9/2/2016 1:57:00 PM
Acenaphthylene	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Anthracene	8.78	0.945		µg/L	1	9/2/2016 5:03:00 PM
Benz(a)anthracene	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Benzo(a)pyrene	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Benzo(b)fluoranthene	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Benzo(g,h,i)perylene	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Benzo(k)fluoranthene	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Carbazole	54.5	4.73		µg/L	5	9/2/2016 4:37:00 PM
Chrysene	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Dibenz(a,h)anthracene	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Dibenzofuran	90.0	4.73		µg/L	5	9/2/2016 4:37:00 PM
Fluoranthene	2.29	0.945		µg/L	1	9/2/2016 5:03:00 PM
Fluorene	76.0	4.73		µg/L	5	9/2/2016 4:37:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Naphthalene	77.6	4.73		µg/L	5	9/2/2016 4:37:00 PM
Pentachlorophenol	ND	0.945		µg/L	1	9/2/2016 5:03:00 PM
Phenanthrene	50.9	4.73		µg/L	5	9/2/2016 4:37:00 PM
Pyrene	1.09	0.945		µg/L	1	9/2/2016 5:03:00 PM
Surr: 2,4,6-Tribromophenol	73.3	33.1-119.7		%REC	1	9/2/2016 5:03:00 PM
Surr: 2-Fluorobiphenyl	80.5	33.1-116.2		%REC	1	9/2/2016 5:03:00 PM
Surr: 2-Fluorophenol	31.3	13.4-117.1		%REC	1	9/2/2016 5:03:00 PM
Surr: 4-Terphenyl-d14	73.8	41-122		%REC	1	9/2/2016 5:03:00 PM
Surr: Nitrobenzene-d5	69.6	28.9-119.9		%REC	1	9/2/2016 5:03:00 PM
Surr: Phenol-d6	18.5	10.6-118.5		%REC	1	9/2/2016 5:03:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 2:00:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-003
Client Sample ID: MW55S081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,2,4-Trimethylbenzene	1.22	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,3,5-Trimethylbenzene	2.04	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
2-Butanone	ND	10.0		µg/L	1	8/18/2016 3:58:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/18/2016 3:58:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/18/2016 3:58:00 PM
Acetone	ND	50.0		µg/L	1	8/18/2016 3:58:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/18/2016 3:58:00 PM
Benzene	ND	0.300		µg/L	1	8/18/2016 3:58:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Bromoform	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Bromomethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/18/2016 3:58:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Chloroethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 2:00:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-003
Client Sample ID: MW55S081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Chloroform	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Chloromethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Ethylbenzene	10.6	1.00		µg/L	1	8/18/2016 3:58:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Isopropylbenzene	10.2	1.00		µg/L	1	8/18/2016 3:58:00 PM
m,p-Xylene	ND	2.00		µg/L	1	8/18/2016 3:58:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/18/2016 3:58:00 PM
Naphthalene	179	1.00		µg/L	1	8/18/2016 3:58:00 PM
n-Butylbenzene	4.73	1.00		µg/L	1	8/18/2016 3:58:00 PM
n-Propylbenzene	7.99	1.00		µg/L	1	8/18/2016 3:58:00 PM
o-Xylene	1.72	1.00		µg/L	1	8/18/2016 3:58:00 PM
sec-Butylbenzene	5.18	1.00		µg/L	1	8/18/2016 3:58:00 PM
Styrene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
tert-Butylbenzene	1.77	1.00		µg/L	1	8/18/2016 3:58:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Toluene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Trichloroethene	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Vinyl chloride	ND	1.00		µg/L	1	8/18/2016 3:58:00 PM
Surr: 1,2-Dichloroethane-d4	108	85.3-126		%REC	1	8/18/2016 3:58:00 PM
Surr: 4-Bromofluorobenzene	105	78.1-120		%REC	1	8/18/2016 3:58:00 PM
Surr: Dibromofluoromethane	108	84.2-122		%REC	1	8/18/2016 3:58:00 PM
Surr: Toluene-d8	90.4	86.2-135		%REC	1	8/18/2016 3:58:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 3:15:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-004
Client Sample ID: MW55D081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS-DISSOLVED RECOVERABLE		**SW6020A**				Analyst: **jw**
Arsenic	12.0	0.100		µg/L	1	8/22/2016 11:51:09 AM
SEMI-VOLATILE COMPOUNDS - ACID FRACTION		**SW8270D**				Analyst: **CK**
Pentachlorophenol	259	4.82		µg/L	10	8/26/2016 4:01:00 PM
Surr: 2,4,6-Tribromophenol	48.2	47.1-114		%REC	10	8/26/2016 4:01:00 PM
Surr: 2-Fluorophenol	25.6	5.79-119		%REC	10	8/26/2016 4:01:00 PM
Surr: Phenol-d6	15.3	10.6-117.9		%REC	10	8/26/2016 4:01:00 PM
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
2-Butanone	ND	10.0		µg/L	1	8/18/2016 4:30:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/18/2016 4:30:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/18/2016 4:30:00 PM
Acetone	ND	50.0		µg/L	1	8/18/2016 4:30:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/18/2016 4:30:00 PM
Benzene	2.48	0.300		µg/L	1	8/18/2016 4:30:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 3:15:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-004
Client Sample ID: MW55D081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Bromobenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Bromoform	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Bromomethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/18/2016 4:30:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Chloroethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Chloroform	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Chloromethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
cis-1,2-Dichloroethene	8.74	1.00		µg/L	1	8/18/2016 4:30:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
m,p-Xylene	ND	2.00		µg/L	1	8/18/2016 4:30:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/18/2016 4:30:00 PM
Naphthalene	26.0	1.00		µg/L	1	8/18/2016 4:30:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
o-Xylene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Styrene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Tetrachloroethene	4.23	1.00		µg/L	1	8/18/2016 4:30:00 PM
Toluene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Trichloroethene	2.81	1.00		µg/L	1	8/18/2016 4:30:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Vinyl chloride	ND	1.00		µg/L	1	8/18/2016 4:30:00 PM
Surr: 1,2-Dichloroethane-d4	102	85.3-126		%REC	1	8/18/2016 4:30:00 PM
Surr: 4-Bromofluorobenzene	113	78.1-120		%REC	1	8/18/2016 4:30:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 3:15:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-004
Client Sample ID: MW55D081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Surr: Dibromofluoromethane	105	84.2-122		%REC	1	8/18/2016 4:30:00 PM
Surr: Toluene-d8	94.2	86.2-135		%REC	1	8/18/2016 4:30:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 3:50:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-005
Client Sample ID: MW55081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE COMPOUNDS - ACID FRACTION SW8270D						Analyst: **CK**
Pentachlorophenol	187	9.59		µg/L	20	8/26/2016 4:28:00 PM
Surr: 2,4,6-Tribromophenol	56.4	49.1-114		%REC	20	8/26/2016 4:28:00 PM
Surr: 2-Fluorophenol	19.0	5.79-119		%REC	20	8/26/2016 4:28:00 PM
Surr: Phenol-d6	12.2	10.6-117.9		%REC	20	8/26/2016 4:28:00 PM
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
2-Butanone	ND	10.0		µg/L	1	8/18/2016 8:14:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/18/2016 8:14:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/18/2016 8:14:00 PM
Acetone	ND	50.0		µg/L	1	8/18/2016 8:14:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/18/2016 8:14:00 PM
Benzene	ND	0.300		µg/L	1	8/18/2016 8:14:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/11/2016 3:50:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-005
Client Sample ID: MW55081116
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Bromoform	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Bromomethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/18/2016 8:14:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Chloroethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Chloroform	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Chloromethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
m,p-Xylene	ND	2.00		µg/L	1	8/18/2016 8:14:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/18/2016 8:14:00 PM
Naphthalene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
o-Xylene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Styrene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Toluene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Trichloroethene	1.06	1.00		µg/L	1	8/18/2016 8:14:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Vinyl chloride	ND	1.00		µg/L	1	8/18/2016 8:14:00 PM
Surr: 1,2-Dichloroethane-d4	103	85.3-126		%REC	1	8/18/2016 8:14:00 PM
Surr: 4-Bromofluorobenzene	102	78.1-120		%REC	1	8/18/2016 8:14:00 PM
Surr: Dibromofluoromethane	104	84.2-122		%REC	1	8/18/2016 8:14:00 PM
Surr: Toluene-d8	99.9	86.2-135		%REC	1	8/18/2016 8:14:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 10:20:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-006
Client Sample ID: USDFW1081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS-DISSOLVED RECOVERABLE		**SW6020A**				Analyst: **jw**
Arsenic	1.49	0.100		µg/L	1	8/22/2016 11:54:32 AM
SEMI-VOLATILE COMPOUNDS - ACID FRACTION		**SW8270D**				Analyst: **CK**
Pentachlorophenol	ND	0.473		µg/L	1	8/26/2016 4:54:00 PM
Surr: 2,4,6-Tribromophenol	64.0	49.1-114		%REC	1	8/26/2016 4:54:00 PM
Surr: 2-Fluorophenol	24.8	5.79-119		%REC	1	8/26/2016 4:54:00 PM
Surr: Phenol-d6	15.6	10.6-117.9		%REC	1	8/26/2016 4:54:00 PM
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
2-Butanone	ND	10.0		µg/L	1	8/18/2016 5:02:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/18/2016 5:02:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/18/2016 5:02:00 PM
Acetone	ND	50.0		µg/L	1	8/18/2016 5:02:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/18/2016 5:02:00 PM
Benzene	ND	0.300		µg/L	1	8/18/2016 5:02:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 10:20:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-006
Client Sample ID: USDFW1081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Bromobenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Bromoform	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Bromomethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/18/2016 5:02:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Chloroethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Chloroform	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Chloromethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
m,p-Xylene	ND	2.00		µg/L	1	8/18/2016 5:02:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/18/2016 5:02:00 PM
Naphthalene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
o-Xylene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Styrene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Toluene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Trichloroethene	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Vinyl chloride	ND	1.00		µg/L	1	8/18/2016 5:02:00 PM
Surr: 1,2-Dichloroethane-d4	101	85.3-126		%REC	1	8/18/2016 5:02:00 PM
Surr: 4-Bromofluorobenzene	102	78.1-120		%REC	1	8/18/2016 5:02:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 10:20:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-006
Client Sample ID: USDFW1081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Surr: Dibromofluoromethane	103	84.2-122		%REC	1	8/18/2016 5:02:00 PM
Surr: Toluene-d8	99.3	86.2-135		%REC	1	8/18/2016 5:02:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 11:15:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-007
Client Sample ID: RMW2D081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE COMPOUNDS - ACID FRACTION SW8270D						Analyst: **CK**
Pentachlorophenol	ND	0.484		µg/L	1	8/26/2016 5:21:00 PM
Surr: 2,4,6-Tribromophenol	70.6	49.1-114		%REC	1	8/26/2016 5:21:00 PM
Surr: 2-Fluorophenol	23.0	5.79-119		%REC	1	8/26/2016 5:21:00 PM
Surr: Phenol-d6	14.4	10.6-117.9		%REC	1	8/26/2016 5:21:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 11:40:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-008
Client Sample ID: RMW2S081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE COMPOUNDS - ACID FRACTION SW8270D						Analyst: **CK**
Pentachlorophenol	ND	0.474		µg/L	1	8/26/2016 5:47:00 PM
Surr: 2,4,6-Tribromophenol	59.0	49.1-114		%REC	1	8/26/2016 5:47:00 PM
Surr: 2-Fluorophenol	25.5	5.79-119		%REC	1	8/26/2016 5:47:00 PM
Surr: Phenol-d6	13.4	10.6-117.9		%REC	1	8/26/2016 5:47:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 1:50:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-009
Client Sample ID: MW61081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS-LOW LEVEL		**SW8270D**				Analyst: **CK**
1-Methylnaphthalene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
2,3,4,6-Tetrachlorophenol	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
2,3,4-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
2,3,5,6-Tetrachlorophenol	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
2,3,5-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
2,3,6-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
2,4,5-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
2,4,6-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
2-Methylnaphthalene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
3,4,5-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Acenaphthene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Acenaphthylene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Anthracene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Benz(a)anthracene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Benzo(a)pyrene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Benzo(b)fluoranthene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Benzo(g,h,i)perylene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Benzo(k)fluoranthene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Carbazole	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Chrysene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Dibenz(a,h)anthracene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Dibenzofuran	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Fluoranthene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Fluorene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Naphthalene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Pentachlorophenol	ND	1.42		µg/L	1	9/2/2016 2:24:00 PM
Phenanthrene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Pyrene	ND	0.949		µg/L	1	9/2/2016 2:24:00 PM
Surr: 2,4,6-Tribromophenol	49.1	33.1-119.7		%REC	1	9/2/2016 2:24:00 PM
Surr: 2-Fluorobiphenyl	62.5	33.1-116.2		%REC	1	9/2/2016 2:24:00 PM
Surr: 2-Fluorophenol	36.7	13.4-117.1		%REC	1	9/2/2016 2:24:00 PM
Surr: 4-Terphenyl-d14	61.3	41-122		%REC	1	9/2/2016 2:24:00 PM
Surr: Nitrobenzene-d5	54.3	28.9-119.9		%REC	1	9/2/2016 2:24:00 PM
Surr: Phenol-d6	19.4	10.6-118.5		%REC	1	9/2/2016 2:24:00 PM
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 1:50:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-009
Client Sample ID: MW61081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
2-Butanone	ND	10.0		µg/L	1	8/18/2016 5:34:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/18/2016 5:34:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/18/2016 5:34:00 PM
Acetone	ND	50.0		µg/L	1	8/18/2016 5:34:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/18/2016 5:34:00 PM
Benzene	ND	0.300		µg/L	1	8/18/2016 5:34:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Bromoform	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Bromomethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/18/2016 5:34:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Chloroethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Chloroform	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 1:50:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-009
Client Sample ID: MW61081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Chloromethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
m,p-Xylene	ND	2.00		µg/L	1	8/18/2016 5:34:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/18/2016 5:34:00 PM
Naphthalene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
o-Xylene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Styrene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Toluene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Trichloroethene	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Vinyl chloride	ND	1.00		µg/L	1	8/18/2016 5:34:00 PM
Surr: 1,2-Dichloroethane-d4	102	85.3-126		%REC	1	8/18/2016 5:34:00 PM
Surr: 4-Bromofluorobenzene	102	78.1-120		%REC	1	8/18/2016 5:34:00 PM
Surr: Dibromofluoromethane	104	84.2-122		%REC	1	8/18/2016 5:34:00 PM
Surr: Toluene-d8	99.8	86.2-135		%REC	1	8/18/2016 5:34:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 2:40:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-010
Client Sample ID: MW63081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS-DISSOLVED RECOVERABLE		**SW6020A**				Analyst: **jw**
Arsenic	ND	0.100		µg/L	1	8/22/2016 11:57:54 AM
SEMIVOLATILE ORGANICS-LOW LEVEL		**SW8270D**				Analyst: **CK**
1-Methylnaphthalene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
2,3,4,6-Tetrachlorophenol	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
2,3,4-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
2,3,5,6-Tetrachlorophenol	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
2,3,5-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
2,3,6-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
2,4,5-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
2,4,6-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
2-Methylnaphthalene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
3,4,5-Trichlorophenol	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Acenaphthene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Acenaphthylene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Anthracene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Benz(a)anthracene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Benzo(a)pyrene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Benzo(b)fluoranthene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Benzo(g,h,i)perylene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Benzo(k)fluoranthene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Carbazole	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Chrysene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Dibenz(a,h)anthracene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Dibenzofuran	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Fluoranthene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Fluorene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Naphthalene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Pentachlorophenol	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Phenanthrene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Pyrene	ND	0.949		µg/L	1	9/2/2016 2:50:00 PM
Surr: 2,4,6-Tribromophenol	51.0	33.1-119.7		%REC	1	9/2/2016 2:50:00 PM
Surr: 2-Fluorobiphenyl	65.5	33.1-116.2		%REC	1	9/2/2016 2:50:00 PM
Surr: 2-Fluorophenol	25.2	13.4-117.1		%REC	1	9/2/2016 2:50:00 PM
Surr: 4-Terphenyl-d14	63.5	41-122		%REC	1	9/2/2016 2:50:00 PM
Surr: Nitrobenzene-d5	55.6	28.9-119.9		%REC	1	9/2/2016 2:50:00 PM
Surr: Phenol-d6	15.5	10.6-118.5		%REC	1	9/2/2016 2:50:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 2:40:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-010
Client Sample ID: MW63081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
2-Butanone	ND	10.0		µg/L	1	8/18/2016 6:06:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/18/2016 6:06:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/18/2016 6:06:00 PM
Acetone	ND	50.0		µg/L	1	8/18/2016 6:06:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/18/2016 6:06:00 PM
Benzene	ND	0.300		µg/L	1	8/18/2016 6:06:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Bromoform	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Bromomethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/18/2016 6:06:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Chloroethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 2:40:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-010
Client Sample ID: MW63081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Chloroform	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Chloromethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
m,p-Xylene	ND	2.00		µg/L	1	8/18/2016 6:06:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/18/2016 6:06:00 PM
Naphthalene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
o-Xylene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Styrene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Toluene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Trichloroethene	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Vinyl chloride	ND	1.00		µg/L	1	8/18/2016 6:06:00 PM
Surr: 1,2-Dichloroethane-d4	102	85.3-126		%REC	1	8/18/2016 6:06:00 PM
Surr: 4-Bromofluorobenzene	101	78.1-120		%REC	1	8/18/2016 6:06:00 PM
Surr: Dibromofluoromethane	103	84.2-122		%REC	1	8/18/2016 6:06:00 PM
Surr: Toluene-d8	99.6	86.2-135		%REC	1	8/18/2016 6:06:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 3:25:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-011
Client Sample ID: MW57D081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS-DISSOLVED RECOVERABLE		**SW6020A**				Analyst: **jw**
Arsenic	22.1	0.100		µg/L	1	8/22/2016 12:01:17 PM
SEMIVOLATILE ORGANICS-LOW LEVEL		**SW8270D**				Analyst: **CK**
1-Methylnaphthalene	3.98	0.944		µg/L	1	9/6/2016 3:52:00 PM
2,3,4,6-Tetrachlorophenol	131	9.44		µg/L	10	9/2/2016 5:56:00 PM
2,3,4-Trichlorophenol	12.6	0.944		µg/L	1	9/6/2016 3:52:00 PM
2,3,5,6-Tetrachlorophenol	92.4	9.44		µg/L	10	9/2/2016 5:56:00 PM
2,3,5-Trichlorophenol	10.3	0.944		µg/L	1	9/6/2016 3:52:00 PM
2,3,6-Trichlorophenol	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
2,4,5-Trichlorophenol	8.26	0.944		µg/L	1	9/6/2016 3:52:00 PM
2,4,6-Trichlorophenol	8.56	0.944		µg/L	1	9/6/2016 3:52:00 PM
2-Methylnaphthalene	1.07	0.944		µg/L	1	9/6/2016 3:52:00 PM
3,4,5-Trichlorophenol	11.4	0.944		µg/L	1	9/6/2016 3:52:00 PM
Acenaphthene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Acenaphthylene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Anthracene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Benz(a)anthracene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Benzo(a)pyrene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Benzo(b)fluoranthene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Benzo(g,h,i)perylene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Benzo(k)fluoranthene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Carbazole	11.6	0.944		µg/L	1	9/6/2016 3:52:00 PM
Chrysene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Dibenz(a,h)anthracene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Dibenzofuran	5.12	0.944		µg/L	1	9/6/2016 3:52:00 PM
Fluoranthene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Fluorene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Naphthalene	80.9	9.44		µg/L	10	9/2/2016 5:56:00 PM
Pentachlorophenol	1640	94.4		µg/L	100	9/2/2016 3:17:00 PM
Phenanthrene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Pyrene	ND	0.944		µg/L	1	9/6/2016 3:52:00 PM
Surr: 2,4,6-Tribromophenol	95.0	33.1-119.7		%REC	1	9/6/2016 3:52:00 PM
Surr: 2-Fluorobiphenyl	91.7	33.1-116.2		%REC	1	9/6/2016 3:52:00 PM
Surr: 2-Fluorophenol	28.4	13.4-117.1		%REC	1	9/6/2016 3:52:00 PM
Surr: 4-Terphenyl-d14	73.0	41-122		%REC	1	9/6/2016 3:52:00 PM
Surr: Nitrobenzene-d5	66.8	28.9-119.9		%REC	1	9/6/2016 3:52:00 PM
Surr: Phenol-d6	16.2	10.6-118.5		%REC	1	9/6/2016 3:52:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 3:25:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-011
Client Sample ID: MW57D081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
2-Butanone	ND	10.0		µg/L	1	8/18/2016 8:46:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/18/2016 8:46:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/18/2016 8:46:00 PM
Acetone	ND	50.0		µg/L	1	8/18/2016 8:46:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/18/2016 8:46:00 PM
Benzene	14.5	0.300		µg/L	1	8/18/2016 8:46:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Bromoform	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Bromomethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/18/2016 8:46:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Chloroethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 3:25:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-011
Client Sample ID: MW57D081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Chloroform	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Chloromethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
cis-1,2-Dichloroethene	10.1	1.00		µg/L	1	8/18/2016 8:46:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Isopropylbenzene	2.56	1.00		µg/L	1	8/18/2016 8:46:00 PM
m,p-Xylene	ND	2.00		µg/L	1	8/18/2016 8:46:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/18/2016 8:46:00 PM
Naphthalene	203	50.0		µg/L	50	8/19/2016 6:20:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
o-Xylene	7.90	1.00		µg/L	1	8/18/2016 8:46:00 PM
sec-Butylbenzene	2.56	1.00		µg/L	1	8/18/2016 8:46:00 PM
Styrene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Tetrachloroethene	31.6	1.00		µg/L	1	8/18/2016 8:46:00 PM
Toluene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Trichloroethene	6.85	1.00		µg/L	1	8/18/2016 8:46:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/18/2016 8:46:00 PM
Vinyl chloride	1.78	1.00		µg/L	1	8/18/2016 8:46:00 PM
Surr: 1,2-Dichloroethane-d4	104	85.3-126		%REC	1	8/18/2016 8:46:00 PM
Surr: 4-Bromofluorobenzene	103	78.1-120		%REC	1	8/18/2016 8:46:00 PM
Surr: Dibromofluoromethane	105	84.2-122		%REC	1	8/18/2016 8:46:00 PM
Surr: Toluene-d8	89.4	86.2-135		%REC	1	8/18/2016 8:46:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 3:25:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-012
Client Sample ID: MW57DDUP081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS-DISSOLVED RECOVERABLE		**SW6020A**				Analyst: **jw**
Arsenic	22.1	0.100		µg/L	1	8/22/2016 12:04:39 PM
SEMIVOLATILE ORGANICS-LOW LEVEL		**SW8270D**				Analyst: **CK**
1-Methylnaphthalene	3.69	0.945		µg/L	1	9/6/2016 6:32:00 PM
2,3,4,6-Tetrachlorophenol	126	9.45		µg/L	10	9/2/2016 6:23:00 PM
2,3,4-Trichlorophenol	12.5	0.945		µg/L	1	9/6/2016 6:32:00 PM
2,3,5,6-Tetrachlorophenol	91.1	9.45		µg/L	10	9/2/2016 6:23:00 PM
2,3,5-Trichlorophenol	9.24	0.945		µg/L	1	9/6/2016 6:32:00 PM
2,3,6-Trichlorophenol	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
2,4,5-Trichlorophenol	7.90	0.945		µg/L	1	9/6/2016 6:32:00 PM
2,4,6-Trichlorophenol	7.16	0.945		µg/L	1	9/6/2016 6:32:00 PM
2-Methylnaphthalene	1.05	0.945		µg/L	1	9/6/2016 6:32:00 PM
3,4,5-Trichlorophenol	10.7	0.945		µg/L	1	9/6/2016 6:32:00 PM
Acenaphthene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Acenaphthylene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Anthracene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Benz(a)anthracene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Benzo(a)pyrene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Benzo(b)fluoranthene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Benzo(g,h,i)perylene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Benzo(k)fluoranthene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Carbazole	10.8	0.945		µg/L	1	9/6/2016 6:32:00 PM
Chrysene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Dibenz(a,h)anthracene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Dibenzofuran	4.28	0.945		µg/L	1	9/6/2016 6:32:00 PM
Fluoranthene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Fluorene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Naphthalene	78.9	9.45		µg/L	10	9/2/2016 6:23:00 PM
Pentachlorophenol	1620	94.5		µg/L	100	9/2/2016 3:43:00 PM
Phenanthrene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Pyrene	ND	0.945		µg/L	1	9/6/2016 6:32:00 PM
Surr: 2,4,6-Tribromophenol	71.8	33.1-119.7		%REC	1	9/6/2016 6:32:00 PM
Surr: 2-Fluorobiphenyl	89.4	33.1-116.2		%REC	1	9/6/2016 6:32:00 PM
Surr: 2-Fluorophenol	25.6	13.4-117.1		%REC	1	9/6/2016 6:32:00 PM
Surr: 4-Terphenyl-d14	85.8	41-122		%REC	1	9/6/2016 6:32:00 PM
Surr: Nitrobenzene-d5	55.7	28.9-119.9		%REC	1	9/6/2016 6:32:00 PM
Surr: Phenol-d6	16.2	10.6-118.5		%REC	1	9/6/2016 6:32:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 3:25:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-012
Client Sample ID: MW57DDUP081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
2-Butanone	ND	10.0		µg/L	1	8/18/2016 9:18:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/18/2016 9:18:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/18/2016 9:18:00 PM
Acetone	ND	50.0		µg/L	1	8/18/2016 9:18:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/18/2016 9:18:00 PM
Benzene	14.7	0.300		µg/L	1	8/18/2016 9:18:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Bromoform	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Bromomethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/18/2016 9:18:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Chloroethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 3:25:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-012
Client Sample ID: MW57DDUP081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Chloroform	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Chloromethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
cis-1,2-Dichloroethene	10.4	1.00		µg/L	1	8/18/2016 9:18:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Isopropylbenzene	2.61	1.00		µg/L	1	8/18/2016 9:18:00 PM
m,p-Xylene	ND	2.00		µg/L	1	8/18/2016 9:18:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/18/2016 9:18:00 PM
Naphthalene	194	20.0		µg/L	20	8/19/2016 6:53:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
o-Xylene	8.01	1.00		µg/L	1	8/18/2016 9:18:00 PM
sec-Butylbenzene	2.76	1.00		µg/L	1	8/18/2016 9:18:00 PM
Styrene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Tetrachloroethene	31.1	1.00		µg/L	1	8/18/2016 9:18:00 PM
Toluene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Trichloroethene	7.00	1.00		µg/L	1	8/18/2016 9:18:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/18/2016 9:18:00 PM
Vinyl chloride	1.98	1.00		µg/L	1	8/18/2016 9:18:00 PM
Surr: 1,2-Dichloroethane-d4	103	85.3-126		%REC	1	8/18/2016 9:18:00 PM
Surr: 4-Bromofluorobenzene	103	78.1-120		%REC	1	8/18/2016 9:18:00 PM
Surr: Dibromofluoromethane	105	84.2-122		%REC	1	8/18/2016 9:18:00 PM
Surr: Toluene-d8	88.7	86.2-135		%REC	1	8/18/2016 9:18:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 4:10:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-013
Client Sample ID: MW57S081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS-DISSOLVED RECOVERABLE		**SW6020A**				Analyst: **jw**
Arsenic	71.0	0.100		µg/L	1	8/22/2016 12:18:42 PM
SEMIVOLATILE ORGANICS-LOW LEVEL		**SW8270D**				Analyst: **CK**
1-Methylnaphthalene	367	95.0		µg/L	100	9/2/2016 4:10:00 PM
2,3,4,6-Tetrachlorophenol	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
2,3,4-Trichlorophenol	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
2,3,5,6-Tetrachlorophenol	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
2,3,5-Trichlorophenol	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
2,3,6-Trichlorophenol	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
2,4,5-Trichlorophenol	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
2,4,6-Trichlorophenol	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
2-Methylnaphthalene	597	95.0		µg/L	100	9/2/2016 4:10:00 PM
3,4,5-Trichlorophenol	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
Acenaphthene	142	9.50		µg/L	10	9/2/2016 7:16:00 PM
Acenaphthylene	4.30	0.950		µg/L	1	9/6/2016 5:12:00 PM
Anthracene	8.76	0.950		µg/L	1	9/6/2016 5:12:00 PM
Benz(a)anthracene	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
Benzo(a)pyrene	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
Benzo(b)fluoranthene	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
Benzo(g,h,i)perylene	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
Benzo(k)fluoranthene	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
Carbazole	129	9.50		µg/L	10	9/2/2016 7:16:00 PM
Chrysene	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
Dibenz(a,h)anthracene	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
Dibenzofuran	68.6	9.50		µg/L	10	9/2/2016 7:16:00 PM
Fluoranthene	3.31	0.950		µg/L	1	9/6/2016 5:12:00 PM
Fluorene	50.9	9.50		µg/L	10	9/2/2016 7:16:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.950		µg/L	1	9/6/2016 5:12:00 PM
Naphthalene	3940	95.0		µg/L	100	9/2/2016 4:10:00 PM
Pentachlorophenol	6.46	0.950		µg/L	1	9/6/2016 5:12:00 PM
Phenanthrene	46.2	9.50		µg/L	10	9/2/2016 7:16:00 PM
Pyrene	1.83	0.950		µg/L	1	9/6/2016 5:12:00 PM
Surr: 2,4,6-Tribromophenol	66.9	33.1-119.7		%REC	1	9/6/2016 5:12:00 PM
Surr: 2-Fluorobiphenyl	80.4	33.1-116.2		%REC	1	9/6/2016 5:12:00 PM
Surr: 2-Fluorophenol	31.9	13.4-117.1		%REC	1	9/6/2016 5:12:00 PM
Surr: 4-Terphenyl-d14	76.2	41-122		%REC	1	9/6/2016 5:12:00 PM
Surr: Nitrobenzene-d5	64.6	28.9-119.9		%REC	1	9/6/2016 5:12:00 PM
Surr: Phenol-d6	21.7	10.6-118.5		%REC	1	9/6/2016 5:12:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 4:10:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-013
Client Sample ID: MW57S081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,2,4-Trimethylbenzene	229	10.0		µg/L	10	8/18/2016 9:51:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,3,5-Trimethylbenzene	35.4	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
2-Butanone	ND	10.0		µg/L	1	8/19/2016 7:57:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
2-Hexanone	ND	10.0		µg/L	1	8/19/2016 7:57:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
4-Isopropyltoluene	7.42	1.00		µg/L	1	8/19/2016 7:57:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	8/19/2016 7:57:00 PM
Acetone	ND	50.0		µg/L	1	8/19/2016 7:57:00 PM
Acrylonitrile	ND	5.00		µg/L	1	8/19/2016 7:57:00 PM
Benzene	0.790	0.300		µg/L	1	8/19/2016 7:57:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Bromochloromethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Bromoform	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Bromomethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Carbon disulfide	ND	2.00		µg/L	1	8/19/2016 7:57:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Chloroethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/12/2016 4:10:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-013
Client Sample ID: MW57S081216
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Chloroform	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Chloromethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Ethylbenzene	101	1.00		µg/L	1	8/19/2016 7:57:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Isopropylbenzene	13.4	1.00		µg/L	1	8/19/2016 7:57:00 PM
m,p-Xylene	88.0	2.00		µg/L	1	8/19/2016 7:57:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Methylene chloride	ND	20.0		µg/L	1	8/19/2016 7:57:00 PM
Naphthalene	13800	200		µg/L	200	8/19/2016 7:25:00 PM
n-Butylbenzene	3.34	1.00		µg/L	1	8/19/2016 7:57:00 PM
n-Propylbenzene	14.8	1.00		µg/L	1	8/19/2016 7:57:00 PM
o-Xylene	67.4	1.00		µg/L	1	8/19/2016 7:57:00 PM
sec-Butylbenzene	4.62	1.00		µg/L	1	8/19/2016 7:57:00 PM
Styrene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
tert-Butylbenzene	1.00	1.00		µg/L	1	8/19/2016 7:57:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Toluene	5.38	1.00		µg/L	1	8/19/2016 7:57:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Trichloroethene	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Trichlorotrifluoroethane	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Vinyl chloride	ND	1.00		µg/L	1	8/19/2016 7:57:00 PM
Surr: 1,2-Dichloroethane-d4	103	85.3-126		%REC	1	8/19/2016 7:57:00 PM
Surr: 4-Bromofluorobenzene	107	78.1-120		%REC	1	8/19/2016 7:57:00 PM
Surr: Dibromofluoromethane	105	84.2-122		%REC	1	8/19/2016 7:57:00 PM
Surr: Toluene-d8	92.3	86.2-135		%REC	1	8/19/2016 7:57:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/15/2016 9:50:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-014
Client Sample ID: MW62081516
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE COMPOUNDS - ACID FRACTION SW8270D						Analyst: **CK**
Pentachlorophenol	39.9	0.471		µg/L	1	8/26/2016 6:13:00 PM
Surr: 2,4,6-Tribromophenol	61.7	49.1-114		%REC	1	8/26/2016 6:13:00 PM
Surr: 2-Fluorophenol	31.4	5.79-119		%REC	1	8/26/2016 6:13:00 PM
Surr: Phenol-d6	16.9	10.6-117.9		%REC	1	8/26/2016 6:13:00 PM
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Tetrachloroethene	ND	1.00		µg/L	1	8/18/2016 6:38:00 PM
Surr: 1,2-Dichloroethane-d4	103	85.3-126		%REC	1	8/18/2016 6:38:00 PM
Surr: 4-Bromofluorobenzene	101	78.1-120		%REC	1	8/18/2016 6:38:00 PM
Surr: Dibromofluoromethane	104	84.2-122		%REC	1	8/18/2016 6:38:00 PM
Surr: Toluene-d8	99.6	86.2-135		%REC	1	8/18/2016 6:38:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/15/2016 10:30:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-015
Client Sample ID: MW45D081516
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE COMPOUNDS - ACID FRACTION SW8270D						Analyst: **CK**
Pentachlorophenol	9.96	0.478		µg/L	1	8/26/2016 6:40:00 PM
Surr: 2,4,6-Tribromophenol	63.2	49.1-114		%REC	1	8/26/2016 6:40:00 PM
Surr: 2-Fluorophenol	25.1	5.79-119		%REC	1	8/26/2016 6:40:00 PM
Surr: Phenol-d6	16.4	10.6-117.9		%REC	1	8/26/2016 6:40:00 PM
VOLATILE ORGANICS BY GC/MS SW8260B						Analyst: **CK**
Tetrachloroethene	1.45	1.00		µg/L	1	8/18/2016 7:10:00 PM
Surr: 1,2-Dichloroethane-d4	102	85.3-126		%REC	1	8/18/2016 7:10:00 PM
Surr: 4-Bromofluorobenzene	102	78.1-120		%REC	1	8/18/2016 7:10:00 PM
Surr: Dibromofluoromethane	104	84.2-122		%REC	1	8/18/2016 7:10:00 PM
Surr: Toluene-d8	99.2	86.2-135		%REC	1	8/18/2016 7:10:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/15/2016 10:30:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-016
Client Sample ID: MW45DDUP081516
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE COMPOUNDS - ACID FRACTION SW8270D						Analyst: **CK**
Pentachlorophenol	9.20	0.473		µg/L	1	8/26/2016 7:07:00 PM
Surr: 2,4,6-Tribromophenol	60.1	49.1-114		%REC	1	8/26/2016 7:07:00 PM
Surr: 2-Fluorophenol	29.9	5.79-119		%REC	1	8/26/2016 7:07:00 PM
Surr: Phenol-d6	17.4	10.6-117.9		%REC	1	8/26/2016 7:07:00 PM
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Tetrachloroethene	1.53	1.00		µg/L	1	8/18/2016 7:42:00 PM
Surr: 1,2-Dichloroethane-d4	103	85.3-126		%REC	1	8/18/2016 7:42:00 PM
Surr: 4-Bromofluorobenzene	102	78.1-120		%REC	1	8/18/2016 7:42:00 PM
Surr: Dibromofluoromethane	104	84.2-122		%REC	1	8/18/2016 7:42:00 PM
Surr: Toluene-d8	99.5	86.2-135		%REC	1	8/18/2016 7:42:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/15/2016 11:15:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-017
Client Sample ID: MW46D081516
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Tetrachloroethene	2.19	1.00		µg/L	1	8/23/2016 3:13:00 PM
Surr: 1,2-Dichloroethane-d4	97.8	85.3-126		%REC	1	8/23/2016 3:13:00 PM
Surr: 4-Bromofluorobenzene	100	78.1-120		%REC	1	8/23/2016 3:13:00 PM
Surr: Dibromofluoromethane	102	84.2-122		%REC	1	8/23/2016 3:13:00 PM
Surr: Toluene-d8	99.5	86.2-135		%REC	1	8/23/2016 3:13:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/15/2016 11:40:00 AM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-018
Client Sample ID: MW46S081516
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS-DISSOLVED RECOVERABLE		**SW6020A**				Analyst: **jw**
Arsenic	28.5	0.100		µg/L	1	8/22/2016 12:22:04 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/15/2016 1:55:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-019
Client Sample ID: MW29D081516
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Tetrachloroethene	ND	1.00		µg/L	1	8/23/2016 3:45:00 PM
Surr: 1,2-Dichloroethane-d4	98.8	85.3-126		%REC	1	8/23/2016 3:45:00 PM
Surr: 4-Bromofluorobenzene	101	78.1-120		%REC	1	8/23/2016 3:45:00 PM
Surr: Dibromofluoromethane	101	84.2-122		%REC	1	8/23/2016 3:45:00 PM
Surr: Toluene-d8	99.4	86.2-135		%REC	1	8/23/2016 3:45:00 PM

Specialty Analytical

Date Reported: 07-Sep-16

CLIENT: Maul Foster & Alongi
Collection Date: 8/15/2016 2:35:00 PM
Project: POR Groundwater / 9003.01.28
Lab ID: 1608154-020
Client Sample ID: MW47D081516
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **CK**
Tetrachloroethene	4.22	1.00		µg/L	1	8/23/2016 4:17:00 PM
Surr: 1,2-Dichloroethane-d4	99.9	85.3-126		%REC	1	8/23/2016 4:17:00 PM
Surr: 4-Bromofluorobenzene	101	78.1-120		%REC	1	8/23/2016 4:17:00 PM
Surr: Dibromofluoromethane	102	84.2-122		%REC	1	8/23/2016 4:17:00 PM
Surr: Toluene-d8	99.0	86.2-135		%REC	1	8/23/2016 4:17:00 PM

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **6020_WDISS**

Sample ID: **ICV** SampType: **ICV** TestCode: **6020_WDISS** Units: **µg/L** Prep Date: RunNo: **26332**

Client ID: **ICV** Batch ID: **11817** TestNo: **SW6020A** Analysis Date: **8/22/2016** SeqNo: **354621**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.7	0.100	50.00	0	95.5	90	110				

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_WDISS** Units: **µg/L** Prep Date: RunNo: **26332**

Client ID: **CCV** Batch ID: **11817** TestNo: **SW6020A** Analysis Date: **8/22/2016** SeqNo: **354622**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	46.4	0.100	50.00	0	92.8	90	110				

Sample ID: **MB-11817** SampType: **MBLK** TestCode: **6020_WDISS** Units: **µg/L** Prep Date: **8/22/2016** RunNo: **26332**

Client ID: **PBW** Batch ID: **11817** TestNo: **SW6020A** Analysis Date: **8/22/2016** SeqNo: **354623**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.100									

Sample ID: **CCV** SampType: **CCV** TestCode: **6020_WDISS** Units: **µg/L** Prep Date: RunNo: **26332**

Client ID: **CCV** Batch ID: **11817** TestNo: **SW6020A** Analysis Date: **8/22/2016** SeqNo: **354624**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	46.6	0.100	50.00	0	93.3	90	110				

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

12-Sep-16

Specialty Analytical

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **6020_WDISS**

Sample ID: **1608154-001CDUP**	SampType: **DUP**	TestCode: **6020_WDISS**	Units: **µg/L**	Prep Date: **8/22/2016**	RunNo: **26332**
Client ID: **MW58D081116**	Batch ID: **11817**	TestNo: **SW6020A**		Analysis Date: **8/22/2016**	SeqNo: **354626**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10.4	0.100						10.45	0.124	20	

Sample ID: **1608154-001CMS**	SampType: **MS**	TestCode: **6020_WDISS**	Units: **µg/L**	Prep Date: **8/22/2016**	RunNo: **26332**
Client ID: **MW58D081116**	Batch ID: **11817**	TestNo: **SW6020A**		Analysis Date: **8/22/2016**	SeqNo: **354627**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	61.1	0.100	50.00	10.45	101	70	130				

Sample ID: **1608154-001CMSD**	SampType: **MSD**	TestCode: **6020_WDISS**	Units: **µg/L**	Prep Date: **8/22/2016**	RunNo: **26332**
Client ID: **MW58D081116**	Batch ID: **11817**	TestNo: **SW6020A**		Analysis Date: **8/22/2016**	SeqNo: **354628**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	58.4	0.100	50.00	10.45	95.9	70	130	61.11	4.52	20	

Sample ID: **CCV**	SampType: **CCV**	TestCode: **6020_WDISS**	Units: **µg/L**	Prep Date:	RunNo: **26332**
Client ID: **CCV**	Batch ID: **11817**	TestNo: **SW6020A**		Analysis Date: **8/22/2016**	SeqNo: **354635**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	45.7	0.100	50.00	0	91.4	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **6020_WDISS**

Sample ID: **CCV**	SampType: **CCB**	TestCode: **6020_WDISS**	Units: **µg/L**	Prep Date:	RunNo: **26332**
Client ID: **CCB**	Batch ID: **11817**	TestNo: **SW6020A**		Analysis Date: **8/22/2016**	SeqNo: **354638**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	45.6	0.100									

Sample ID: **CCB**	SampType: **CCB**	TestCode: **6020_WDISS**	Units: **µg/L**	Prep Date:	RunNo: **26332**
Client ID: **CCB**	Batch ID: **11817**	TestNo: **SW6020A**		Analysis Date: **8/22/2016**	SeqNo: **354639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.100									

Qualifiers:

B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8260_W**

Sample ID: **CCV MSVWS-2059** SampType: **CCV** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **CCV** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/18/2016** SeqNo: **354300**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	35.0	1.00	40.00	0	87.6	80	120				
1,2-Dichloropropane	39.6	1.00	40.00	0	99.1	80	120				
Chloroform	38.3	1.00	40.00	0	95.8	80	120				
Ethylbenzene	37.0	1.00	40.00	0	92.4	80	120				
Toluene	36.4	1.00	40.00	0	91.0	80	120				
Vinyl chloride	36.0	1.00	40.00	0	89.9	80	120				

Sample ID: **LCS MSVWS-2060** SampType: **LCS** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **LCSW** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/18/2016** SeqNo: **354301**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	36.6	1.00	40.00	0	91.4	61.2	135				
Benzene	39.1	0.300	40.00	0	97.7	76.8	125				
Chlorobenzene	34.7	1.00	40.00	0	86.7	81.1	116				
Toluene	36.3	1.00	40.00	0	90.7	82	122				
Trichloroethene	33.1	1.00	40.00	0	82.8	68.5	124				

Sample ID: **LCSD MSVWS-2060** SampType: **LCSD** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **LCSS02** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/18/2016** SeqNo: **354302**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	33.5	1.00	40.00	0	83.8	61.2	135	36.57	8.70	20	
Benzene	37.0	0.300	40.00	0	92.6	76.8	125	39.09	5.44	20	

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8260_W**

Sample ID: **LCSD MSVWS-2060** SampType: **LCSD** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **LCSS02** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/18/2016** SeqNo: **354302**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	32.8	1.00	40.00	0	82.1	81.1	116	34.67	5.45	20	
Toluene	34.0	1.00	40.00	0	85.0	82	122	36.29	6.57	20	
Trichloroethene	32.6	1.00	40.00	0	81.6	68.5	124	33.13	1.49	20	

Sample ID: **MB** SampType: **MBLK** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **PBW** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/18/2016** SeqNo: **354303**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									

Qualifiers:

B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8260_W**

Sample ID: **MB** SampType: **MBLK** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **PBW** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/18/2016** SeqNo: **354303**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									
Bromobenzene	ND	1.00									
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode: 8260_W**

Sample ID: **MB** SampType: **MBLK** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **PBW** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/18/2016** SeqNo: **354303**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	ND	2.00									
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
o-Xylene	ND	1.00									
sec-Butylbenzene	ND	1.00									
Styrene	ND	1.00									
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									
Trichlorofluoromethane	ND	1.00									
Trichlorotrifluoroethane	ND	1.00									
Vinyl chloride	ND	1.00									
Surr: 1,2-Dichloroethane-d4	109		100.0		109	85.3	126				

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi
Project: POR Groundwater / 9003.01.28 **TestCode:** **8260_W**

Sample ID: **MB** SampType: **MBLK** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**
Client ID: **PBW** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/18/2016** SeqNo: **354303**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	104		100.0		104	78.1	120				
Surr: Dibromofluoromethane	104		100.0		104	84.2	122				
Surr: Toluene-d8	99.6		100.0		99.6	86.2	135				

Sample ID: **CCV MSVWS-2059** SampType: **CCV** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**
Client ID: **CCV** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/19/2016** SeqNo: **354737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	34.1	1.00	40.00	0	85.2	80	120				
1,2-Dichloropropane	40.3	1.00	40.00	0	101	80	120				
Chloroform	33.6	1.00	40.00	0	84.0	80	120				
Ethylbenzene	33.0	1.00	40.00	0	82.6	80	120				
Toluene	34.2	1.00	40.00	0	85.6	80	120				
Vinyl chloride	36.8	1.00	40.00	0	91.9	80	120				

Sample ID: **CCB** SampType: **CCB** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**
Client ID: **CCB** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/19/2016** SeqNo: **354738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode: 8260_W**

Sample ID: **CCB** SampType: **CCB** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **CCB** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/19/2016** SeqNo: **354738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode: 8260_W**

Sample ID: **CCB** SampType: **CCB** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **CCB** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/19/2016** SeqNo: **354738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	ND	1.00									
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	ND	2.00									
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
o-Xylene	ND	1.00									

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8260_W**

Sample ID: **CCB** SampType: **CCB** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **CCB** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/19/2016** SeqNo: **354738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	1.00									
Styrene	ND	1.00									
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									
Trichlorofluoromethane	ND	1.00									
Trichlorotrifluoroethane	ND	1.00									
Vinyl chloride	ND	1.00									
Surr: 1,2-Dichloroethane-d4	102		100.0		102	85.3	126				
Surr: 4-Bromofluorobenzene	102		100.0		102	78.1	120				
Surr: Dibromofluoromethane	103		100.0		103	84.2	122				
Surr: Toluene-d8	99.7		100.0		99.7	86.2	135				

Sample ID: **A1608139-001DMS** SampType: **MS** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **ZZZZZZ** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/19/2016** SeqNo: **354751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	3520	100	4000	0	88.0	47.8	165				
Benzene	3690	30.0	4000	0	92.4	74.1	136				
Chlorobenzene	3200	100	4000	0	80.0	70.7	133				
Toluene	3380	100	4000	0	84.4	68.4	135				

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode: 8260_W**

Sample ID: **A1608139-001DMS** SampType: **MS** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **ZZZZZZ** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/19/2016** SeqNo: **354751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	3830	100	4000	0	95.7	50.8	164				

Sample ID: **A1608139-001DMSD** SampType: **MSD** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26306**

Client ID: **ZZZZZZ** Batch ID: **R26306** TestNo: **SW8260B** Analysis Date: **8/19/2016** SeqNo: **354752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	3440	100	4000	0	85.9	47.8	165	3520	2.42	20	
Benzene	3650	30.0	4000	0	91.2	74.1	136	3694	1.28	20	
Chlorobenzene	3170	100	4000	0	79.2	70.7	133	3201	1.10	20	
Toluene	3310	100	4000	0	82.8	68.4	135	3376	1.91	20	
Trichloroethene	3560	100	4000	0	89.0	50.8	164	3828	7.26	20	

Sample ID: **MB** SampType: **MBLK** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26414**

Client ID: **PBW** Batch ID: **R26414** TestNo: **SW8260B** Analysis Date: **8/23/2016** SeqNo: **355347**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	1.00									
Surr: 1,2-Dichloroethane-d4	99.3		100.0		99.3	85.3	126				
Surr: 4-Bromofluorobenzene	102		100.0		102	78.1	120				
Surr: Dibromofluoromethane	102		100.0		102	84.2	122				
Surr: Toluene-d8	98.1		100.0		98.1	86.2	135				

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode: 8260_W**

Sample ID: **CCB** SampType: **CCB** TestCode: **8260_W** Units: **µg/L** Prep Date: RunNo: **26414**

Client ID: **CCB** Batch ID: **R26414** TestNo: **SW8260B** Analysis Date: **8/25/2016** SeqNo: **355371**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	1.00									
Surr: 1,2-Dichloroethane-d4	101		100.0		101	85.3	126				
Surr: 4-Bromofluorobenzene	103		100.0		103	78.1	120				
Surr: Dibromofluoromethane	102		100.0		102	84.2	122				
Surr: Toluene-d8	98.4		100.0		98.4	86.2	135				

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi
Project: POR Groundwater / 9003.01.28 **TestCode:** **8270AFLL_W**

Sample ID: **CCV MSSWS-1394** SampType: **CCV** TestCode: **8270AFLL_W** Units: **µg/L** Prep Date: RunNo: **26448**
Client ID: **CCV** Batch ID: **11808** TestNo: **SW8270D** **SW 3510C** Analysis Date: **8/23/2016** SeqNo: **355772**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	17.9	0.500	20.00	0	89.6	80	120				

Sample ID: **MB-11808** SampType: **MBLK** TestCode: **8270AFLL_W** Units: **µg/L** Prep Date: **8/18/2016** RunNo: **26448**
Client ID: **PBW** Batch ID: **11808** TestNo: **SW8270D** **SW 3510C** Analysis Date: **8/23/2016** SeqNo: **355773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	0.500									
Surr: 2,4,6-Tribromophenol	64.0		100.0		64.0	49.1	114				
Surr: 2-Fluorophenol	65.5		100.0		65.5	13.4	117.1				
Surr: Phenol-d6	72.3		100.0		72.3	10.6	117.9				

Sample ID: **LCS-11808** SampType: **LCS** TestCode: **8270AFLL_W** Units: **µg/L** Prep Date: **8/18/2016** RunNo: **26448**
Client ID: **LCSW** Batch ID: **11808** TestNo: **SW8270D** **SW 3510C** Analysis Date: **8/23/2016** SeqNo: **355774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	18.4	0.500	50.00	0	36.8	33.3	113				

Sample ID: **LCSD-11808** SampType: **LCSD** TestCode: **8270AFLL_W** Units: **µg/L** Prep Date: **8/18/2016** RunNo: **26448**
Client ID: **LCSS02** Batch ID: **11808** TestNo: **SW8270D** **SW 3510C** Analysis Date: **8/23/2016** SeqNo: **355775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	18.9	0.500	50.00	0	37.7	33.3	113	18.38	2.58	20	

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8270AFLL_W**

Sample ID: **LCSD-11808**	SampType: **LCSD**	TestCode: **8270AFLL_W**	Units: **µg/L**	Prep Date: **8/18/2016**	RunNo: **26448**
Client ID: **LCSS02**	Batch ID: **11808**	TestNo: **SW8270D**	**SW 3510C**	Analysis Date: **8/23/2016**	SeqNo: **355775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **CCV MSSWS-1394**	SampType: **CCV**	TestCode: **8270AFLL_W**	Units: **µg/L**	Prep Date:	RunNo: **26448**
Client ID: **CCV**	Batch ID: **11808**	TestNo: **SW8270D**	**SW 3510C**	Analysis Date: **8/26/2016**	SeqNo: **356001**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	16.6	0.500	20.00	0	83.1	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

12-Sep-16

Specialty Analytical

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8270POR_W**

Sample ID: **CCV MSSWS-1394** SampType: **CCV** TestCode: **8270POR_W** Units: **µg/L** Prep Date: RunNo: **26500**

Client ID: **CCV** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/2/2016** SeqNo: **356773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	19.3	1.00	20.00	0	96.4	80	120				
2,3,4,6-Tetrachlorophenol	21.0	1.00	20.00	0	105	80	120				
2,3,4-Trichlorophenol	19.0	1.00	20.00	0	95.1	80	120				
2,3,5,6-Tetrachlorophenol	20.8	1.00	20.00	0	104	80	120				
2,3,5-Trichlorophenol	17.9	1.00	20.00	0	89.4	80	120				
2,3,6-Trichlorophenol	16.7	1.00	20.00	0	83.4	80	120				
2,4,5-Trichlorophenol	17.0	1.00	20.00	0	85.1	80	120				
2,4,6-Trichlorophenol	20.4	1.00	20.00	0	102	80	120				
2-Methylnaphthalene	19.8	1.00	20.00	0	99.1	80	120				
3,4,5-Trichlorophenol	18.2	1.00	20.00	0	91.1	80	120				
Acenaphthene	19.2	1.00	20.00	0	96.0	80	120				
Acenaphthylene	19.5	1.00	20.00	0	97.5	80	120				
Anthracene	20.3	1.00	20.00	0	101	80	120				
Benz(a)anthracene	18.8	1.00	20.00	0	94.0	80	120				
Benzo(a)pyrene	20.5	1.00	20.00	0	103	80	120				
Benzo(b)fluoranthene	23.4	1.00	20.00	0	117	80	120				
Benzo(g,h,i)perylene	23.6	1.00	20.00	0	118	80	120				
Benzo(k)fluoranthene	22.1	1.00	20.00	0	111	80	120				
Bis(2-ethylhexyl)phthalate	23.8	1.00	20.00	0	119	80	120				
Carbazole	21.8	1.00	20.00	0	109	80	120				
Chrysene	23.1	1.00	20.00	0	116	80	120				
Dibenz(a,h)anthracene	16.0	1.00	20.00	0	80.1	80	120				
Dibenzofuran	19.2	1.00	20.00	0	96.0	80	120				
Fluoranthene	18.8	1.00	20.00	0	94.3	80	120				
Fluorene	18.8	1.00	20.00	0	94.3	80	120				
Indeno(1,2,3-cd)pyrene	16.1	1.00	20.00	0	80.6	80	120				

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8270POR_W**

Sample ID: **CCV MSSWS-1394** SampType: **CCV** TestCode: **8270POR_W** Units: **µg/L** Prep Date: RunNo: **26500**

Client ID: **CCV** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/2/2016** SeqNo: **356773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	18.9	1.00	20.00	0	94.7	80	120				
Pentachlorophenol	17.0	1.00	20.00	0	85.2	80	120				
Phenanthrene	20.6	1.00	20.00	0	103	80	120				
Pyrene	16.2	1.00	20.00	0	81.2	80	120				

Sample ID: **LCS-11807** SampType: **LCS** TestCode: **8270POR_W** Units: **µg/L** Prep Date: **8/18/2016** RunNo: **26500**

Client ID: **LCSW** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/2/2016** SeqNo: **356854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	34.1	1.00	50.00	0	68.2	30	130				
2,3,4,6-Tetrachlorophenol	42.2	1.00	50.00	0	84.3	30	130				
2,3,5,6-Tetrachlorophenol	40.9	1.00	50.00	0	81.8	30	130				
2,4,5-Trichlorophenol	38.5	1.00	50.00	0	77.0	30	130				
2,4,6-Trichlorophenol	38.3	1.00	50.00	0	76.5	30	130				
2-Methylnaphthalene	35.7	1.00	50.00	0	71.5	30	130				
Acenaphthene	33.1	1.00	50.00	0	66.2	39.8	94.2				
Acenaphthylene	32.0	1.00	50.00	0	64.0	30	130				
Anthracene	31.7	1.00	50.00	0	63.3	30	130				
Benz(a)anthracene	33.2	1.00	50.00	0	66.3	30	130				
Benzo(a)pyrene	38.2	1.00	50.00	0	76.3	30	130				
Benzo(b)fluoranthene	48.5	1.00	50.00	0	97.0	30	130				
Benzo(g,h,i)perylene	49.3	1.00	50.00	0	98.5	30	130				
Benzo(k)fluoranthene	36.5	1.00	50.00	0	72.9	30	130				
Bis(2-ethylhexyl)phthalate	40.2	1.00	50.00	0	80.4	30	130				

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8270POR_W**

Sample ID: **LCS-11807** SampType: **LCS** TestCode: **8270POR_W** Units: **µg/L** Prep Date: **8/18/2016** RunNo: **26500**

Client ID: **LCSW** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/2/2016** SeqNo: **356854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbazole	37.5	1.00	50.00	0	75.0	30	130				
Chrysene	42.6	1.00	50.00	0	85.1	30	130				
Dibenz(a,h)anthracene	30.2	1.00	50.00	0	60.4	30	130				
Dibenzofuran	32.7	1.00	50.00	0	65.3	30	130				
Fluoranthene	31.4	1.00	50.00	0	62.7	30	130				
Fluorene	32.0	1.00	50.00	0	64.0	30	130				
Indeno(1,2,3-cd)pyrene	31.4	1.00	50.00	0	62.8	30	130				
Naphthalene	31.2	1.00	50.00	0	62.4	30	130				
Pentachlorophenol	26.7	1.00	50.00	0	53.5	43.3	113				
Phenanthrene	33.8	1.00	50.00	0	67.6	30	130				
Pyrene	27.2	1.00	50.00	0	54.4	39.4	119				

Sample ID: **LCSD-11807** SampType: **LCSD** TestCode: **8270POR_W** Units: **µg/L** Prep Date: **8/18/2016** RunNo: **26500**

Client ID: **LCSS02** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/2/2016** SeqNo: **356855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	34.3	1.00	50.00	0	68.6	30	130	34.10	0.643	20	
2,3,4,6-Tetrachlorophenol	43.8	1.00	50.00	0	87.7	30	130	42.16	3.93	20	
2,3,5,6-Tetrachlorophenol	44.7	1.00	50.00	0	89.5	30	130	40.91	8.94	20	
2,4,5-Trichlorophenol	37.1	1.00	50.00	0	74.2	30	130	38.50	3.65	20	
2,4,6-Trichlorophenol	40.0	1.00	50.00	0	80.0	30	130	38.26	4.40	20	
2-Methylnaphthalene	36.1	1.00	50.00	0	72.2	30	130	35.74	0.947	20	
Acenaphthene	32.7	1.00	50.00	0	65.3	39.8	94.2	33.11	1.34	20	
Acenaphthylene	31.2	1.00	50.00	0	62.4	30	130	32.02	2.63	20	

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode: 8270POR_W**

Sample ID: **LCSD-11807** SampType: **LCSD** TestCode: **8270POR_W** Units: **µg/L** Prep Date: **8/18/2016** RunNo: **26500**

Client ID: **LCSS02** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/2/2016** SeqNo: **356855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	32.5	1.00	50.00	0	65.0	30	130	31.66	2.68	20	
Benz(a)anthracene	33.3	1.00	50.00	0	66.7	30	130	33.15	0.542	20	
Benzo(a)pyrene	39.0	1.00	50.00	0	78.1	30	130	38.16	2.31	20	
Benzo(b)fluoranthene	52.3	1.00	50.00	0	105	30	130	48.48	7.56	20	
Benzo(g,h,i)perylene	51.2	1.00	50.00	0	102	30	130	49.27	3.90	20	
Benzo(k)fluoranthene	33.5	1.00	50.00	0	67.1	30	130	36.46	8.34	20	
Bis(2-ethylhexyl)phthalate	39.5	1.00	50.00	0	79.1	30	130	40.22	1.71	20	
Carbazole	37.2	1.00	50.00	0	74.3	30	130	37.51	0.964	20	
Chrysene	42.0	1.00	50.00	0	84.0	30	130	42.55	1.28	20	
Dibenz(a,h)anthracene	32.0	1.00	50.00	0	64.0	30	130	30.20	5.85	20	
Dibenzofuran	32.2	1.00	50.00	0	64.5	30	130	32.66	1.33	20	
Fluoranthene	30.5	1.00	50.00	0	61.1	30	130	31.36	2.65	20	
Fluorene	32.1	1.00	50.00	0	64.2	30	130	31.98	0.437	20	
Indeno(1,2,3-cd)pyrene	33.1	1.00	50.00	0	66.3	30	130	31.38	5.46	20	
Naphthalene	30.4	1.00	50.00	0	60.8	30	130	31.20	2.53	20	
Pentachlorophenol	32.0	1.00	50.00	0	64.0	43.3	113	26.74	17.9	20	
Phenanthrene	33.2	1.00	50.00	0	66.3	30	130	33.82	1.94	20	
Pyrene	26.2	1.00	50.00	0	52.3	39.4	119	27.18	3.82	20	

Sample ID: **MB-11807** SampType: **MBLK** TestCode: **8270POR_W** Units: **µg/L** Prep Date: **8/18/2016** RunNo: **26500**

Client ID: **PBW** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/2/2016** SeqNo: **356912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	1.00									

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8270POR_W**

Sample ID: **MB-11807** SampType: **MBLK** TestCode: **8270POR_W** Units: **µg/L** Prep Date: **8/18/2016** RunNo: **26500**

Client ID: **PBW** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/2/2016** SeqNo: **356912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,3,4,6-Tetrachlorophenol	ND	1.00									
2,3,4-Trichlorophenol	ND	1.00									
2,3,5,6-Tetrachlorophenol	ND	1.00									
2,3,5-Trichlorophenol	ND	1.00									
2,3,6-Trichlorophenol	ND	1.00									
2,4,5-Trichlorophenol	ND	1.00									
2,4,6-Trichlorophenol	ND	1.00									
2-Methylnaphthalene	ND	1.00									
3,4,5-Trichlorophenol	ND	1.00									
Acenaphthene	ND	1.00									
Acenaphthylene	ND	1.00									
Anthracene	ND	1.00									
Benz(a)anthracene	ND	1.00									
Benzo(a)pyrene	ND	1.00									
Benzo(b)fluoranthene	ND	1.00									
Benzo(g,h,i)perylene	ND	1.00									
Benzo(k)fluoranthene	ND	1.00									
Bis(2-ethylhexyl)phthalate	ND	1.00									
Carbazole	ND	1.00									
Chrysene	ND	1.00									
Dibenz(a,h)anthracene	ND	1.00									
Dibenzofuran	ND	1.00									
Fluoranthene	ND	1.00									
Fluorene	ND	1.00									
Indeno(1,2,3-cd)pyrene	ND	1.00									
Naphthalene	ND	1.00									

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

Specialty Analytical

12-Sep-16

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8270POR_W**

Sample ID: **MB-11807** SampType: **MBLK** TestCode: **8270POR_W** Units: **µg/L** Prep Date: **8/18/2016** RunNo: **26500**

Client ID: **PBW** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/2/2016** SeqNo: **356912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1.00									
Phenanthrene	ND	1.00									
Pyrene	ND	1.00									
Surr: 2,4,6-Tribromophenol	54.4		100.0		54.4	33.1	119.7				
Surr: 2-Fluorobiphenyl	98.2		100.0		98.2	33.1	116.2				
Surr: 2-Fluorophenol	47.1		100.0		47.1	13.4	117.1				
Surr: 4-Terphenyl-d14	91.6		100.0		91.6	41	122				
Surr: Nitrobenzene-d5	73.0		100.0		73.0	28.9	119.9				
Surr: Phenol-d6	27.6		100.0		27.6	10.6	118.5				

Sample ID: **CCV MSSWS-1394** SampType: **CCV** TestCode: **8270POR_W** Units: **µg/L** Prep Date: RunNo: **26500**

Client ID: **CCV** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/6/2016** SeqNo: **357094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	19.2	1.00	20.00	0	96.2	80	120				
2,3,4,6-Tetrachlorophenol	21.0	1.00	20.00	0	105	80	120				
2,3,4-Trichlorophenol	17.4	1.00	20.00	0	87.1	80	120				
2,3,5,6-Tetrachlorophenol	20.9	1.00	20.00	0	104	80	120				
2,3,5-Trichlorophenol	17.1	1.00	20.00	0	85.6	80	120				
2,3,6-Trichlorophenol	18.0	1.00	20.00	0	90.1	80	120				
2,4,5-Trichlorophenol	17.4	1.00	20.00	0	86.8	80	120				
2,4,6-Trichlorophenol	20.1	1.00	20.00	0	101	80	120				
2-Methylnaphthalene	19.8	1.00	20.00	0	99.2	80	120				
3,4,5-Trichlorophenol	18.4	1.00	20.00	0	92.0	80	120				

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: **1608154**

12-Sep-16

Specialty Analytical

Client: Maul Foster & Alongi

Project: POR Groundwater / 9003.01.28 **TestCode:** **8270POR_W**

Sample ID: **CCV MSSWS-1394** SampType: **CCV** TestCode: **8270POR_W** Units: **µg/L** Prep Date: RunNo: **26500**

Client ID: **CCV** Batch ID: **11807** TestNo: **SW8270D** **SW 3510C** Analysis Date: **9/6/2016** SeqNo: **357094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	19.0	1.00	20.00	0	95.2	80	120				
Acenaphthylene	19.3	1.00	20.00	0	96.6	80	120				
Anthracene	20.1	1.00	20.00	0	100	80	120				
Benz(a)anthracene	18.6	1.00	20.00	0	93.1	80	120				
Benzo(a)pyrene	20.8	1.00	20.00	0	104	80	120				
Benzo(b)fluoranthene	23.6	1.00	20.00	0	118	80	120				
Benzo(g,h,i)perylene	23.5	1.00	20.00	0	117	80	120				
Benzo(k)fluoranthene	23.2	1.00	20.00	0	116	80	120				
Bis(2-ethylhexyl)phthalate	23.0	1.00	20.00	0	115	80	120				
Carbazole	22.0	1.00	20.00	0	110	80	120				
Chrysene	23.2	1.00	20.00	0	116	80	120				
Dibenz(a,h)anthracene	16.5	1.00	20.00	0	82.6	80	120				
Dibenzofuran	19.0	1.00	20.00	0	94.8	80	120				
Fluoranthene	19.0	1.00	20.00	0	95.0	80	120				
Fluorene	18.5	1.00	20.00	0	92.6	80	120				
Indeno(1,2,3-cd)pyrene	16.9	1.00	20.00	0	84.4	80	120				
Naphthalene	18.9	1.00	20.00	0	94.6	80	120				
Pentachlorophenol	18.3	1.00	20.00	0	91.3	80	120				
Phenanthrene	20.4	1.00	20.00	0	102	80	120				
Pyrene	16.2	1.00	20.00	0	80.9	80	120				

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted reco

KEY TO FLAGS

Rev. May 12, 2010

A	This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
A1	This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
A2	This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
A3	The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
A4	The product appears to be aged or degraded diesel.
B	The blank exhibited a positive result great than the reporting limit for this compound.
CN	See Case Narrative.
D	Result is based from a dilution.
E	Result exceeds the calibration range for this compound. The result should be considered as estimate.
F	The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
G	Result may be biased high due to biogenic interferences. Clean up is recommended.
H	Sample was analyzed outside recommended holding time.
HT	At clients request, samples was analyzed outside of recommended holding time.
J	The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
K	Diesel result is biased high due to amount of Oil contained in the sample.
L	Diesel result is biased high due to amount of Gasoline contained in the sample.
M	Oil result is biased high due to amount of Diesel contained in the sample.
MC	Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
MI	Result is outside control limits due to matrix interference.
MSA	Value determined by Method of Standard Addition.
O	Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
Q	Detection levels elevated due to sample matrix.
R	RPD control limits were exceeded.
RF	Duplicate failed due to result being at or near the method-reporting limit.
RP	Matrix spike values exceed established QC limits; post digestion spike is in control.
S	Recovery is outside control limits.
SC	Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
*	The result for this parameter was greater that the maximum contaminant level of the TCLP regulatory limit.

CHAIN OF CUSTODY RECORD

Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager: ALAN HUGHES
Company: MAUL FOSTER & ALONGI
Address: 400 EAST MILLPLAIN BLVD SUITE 400
VANC. WA. 98660
Phone: 360-694 2691 Fax: 360-906-1958
Project No. 9003-01-28 Project Name: POR CORGUNDWATER
Project Site Location OR ____ WA X Other ____
Invoice To: PORT OF RIDGEFIELD P.O. No. ____

Collected By:
Signature: Pat Kirby
Printed: PAT KIRBY

Signature: ____
Printed: KEVIN OLDHAM

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush ____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. 1608154
Shipped Via SA
Air Bill No. ____
Temperature On Receipt 4 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses: PORT SVOC LIST (8270D)	PENTACHLOROPHENOL (8270D)	VOC's (8260B)	TETRACHLOROETHENE (8260B)	DISSOLVED ARSENIC (6020)	Comments	Lab I.D.
8-11-16	10:50	MW58D081116	WATER	5		X	X		X		
	11:25	MW56D081116		4	X		X				
	14:00	MW55S081116		5	X		X		X		
	15:15	MW55D081116		5		X	X		X		
	15:50	MW55081116		4		X	X				
8-12-16	10:20	USDFW1081216		5		X	X		X		
	11:15	RMW2D081216		1		X					
	11:40	RMW2S081216		1		X					
	13:50	MW61081216		4	X		X				
	14:40	MW63D081216		5	X		X		X		
	15:25	MW57D081216		5	X		X		X		
	15:25	MW57DDUP081216		5	X		X		X		

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
PAT KIRBY	8-17-16	13:36		SA	8-17-16	14:12
Company: PORT OF RIDGEFIELD			Company: SA	Company:		

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Samples held beyond 60 days subject to storage fee(s)

Received For Lab By: ____ Date: 8/17/16 Time: ____

CHAIN OF CUSTODY RECORD

Specialty Analytical
11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager: ALAN HUGHES
Company: MAUL FOSTER & ALONGI
Address: 400 EAST MILLPLAIN BLVD. SUITE 400
VANC. WA. 98660
Phone: 360-694-2691 Fax: 360-906-1988
Project No. 9003-01-28 Project Name: POR GROUNDWATER
Project Site Location OR ____ WA X Other ____
Invoice To: PORT OF RIDGEFIELD P.O. No. ____

Collected By:
Signature: Pat Kirby
Printed: PAT KIRBY

Signature: ____
Printed: KEVIN OLDHAM

Turn Around Time
☒ Normal 5-7 Business Days
☐ Rush ____
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses: PORT SVOC LIST (8270D)	PENTACHLOROPHENOL (8270D)	VOCs (8260B)	TETRACHLOROETHENE (8260B)	DISSOLVED ARSENIC (6020)	Comments	Lab I.D.
8-12-16	16:10	MW57S081216	WATER	5	X		X		X		
8-15-16	9:50	MW62 081216		4		X		X			
	10:30	MW45D081516		4		X		X			
	10:30	MW45D DUP081516		4		X		X			
	11:15	MW46D081516		3				X			
	11:40	MW46S081516		1					X		
	13:55	MW29D081516		3				X			
	14:35	MW47D081516		3				X			

For Laboratory Use
Lab Job No. 1608154
Shipped Via: SA
Air Bill No. ____
Temperature On Receipt 4 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Relinquished By	Company	Date	Time
PAT KIRBY	PORT OF RIDGEFIELD	8-17-16	1340

Received By	Company	Date	Time
	SA		

Relinquished By	Company	Date	Time
	SA	8-17-16	1412

Received For Lab By: ____ Date 8/17/16 Time ____

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Samples held beyond 60 days subject to storage fee(s)

ATTACHMENT B

DATA QUALITY ASSURANCE AND QUALITY CONTROL REVIEW MEMORANDUM

DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NO. 9003.01.28 | OCTOBER 25, 2016 | PORT OF RIDGEFIELD

Maul Foster & Alongi, Inc. (MFA) conducted an independent review of the quality of analytical results for groundwater samples collected on the Port of Ridgefield site in Ridgefield, Washington. The samples were collected in August 2016.

Specialty Analytical, Inc. (SA) performed the analyses. SA report number 1608154rev1 was reviewed. The analyses performed and samples analyzed are listed below.

Analysis	Reference
Dissolved Metals	USEPA 6020A
Semivolatile Organic Compounds	USEPA 8270D
VOCs	USEPA 8260B

VOC = volatile organic compound.
USEPA = U.S. Environmental Protection Agency.

Samples Analyzed	
Report 1608154rev1	
MW58D081116	MW57D081216
MW56081116	MW57DDUP081216
MW55S081116	MW57S081216
MW55D081116	MW62081516
MW55081116	MW45D081516
USDFW1081216	MW45DDUP081516
RMW2D081216	MW46D081516
RMW2S081216	MW46S081516
MW61081216	MW29D081516
MW63081216	MW47D081516

DATA QUALIFICATIONS

Analytical results were evaluated according to applicable sections of USEPA procedures (USEPA, 2014a,b) and appropriate laboratory and method-specific guidelines (SA, 2015; USEPA, 1986).

The data are considered acceptable for their intended use, with the appropriate data qualifiers assigned.

HOLDING TIMES, PRESERVATION, AND SAMPLE STORAGE

Holding Times

Extractions and analyses were performed within the recommended holding time criteria.

Preservation and Sample Storage

The samples were preserved and stored appropriately.

BLANKS

Method Blanks

Laboratory method blank analyses were performed at the required frequencies. For purposes of data qualification, the method blanks were associated with all samples prepared in the analytical batch. All method blanks were non-detect to method reporting limits (MRLs) for all target analytes.

Trip Blanks

Trip blanks were not required for this sampling event, as samples were not analyzed for VOCs.

Equipment Rinsate Blanks

Equipment rinsate blanks were not required for this sampling event, as all samples were collected using dedicated, single-use equipment.

SURROGATE RECOVERY RESULTS

The samples were spiked with surrogate compounds to evaluate laboratory performance on individual samples. All surrogate results were within percent recovery acceptance limits.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

Matrix spike/matrix spike duplicate (MS/MSD) results are used to evaluate laboratory precision and accuracy. Because of limited sample volume, an MS/MSD was not included in the USEPA Method 8270D analyses. All MS/MSD results were within acceptance limits for percent recovery and relative percent difference (RPD).

LABORATORY DUPLICATE RESULTS

Duplicate results are used to evaluate laboratory precision. All duplicate samples were extracted and analyzed at the required frequency. All laboratory duplicate RPDs were within acceptance limits.

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

A laboratory control sample/laboratory control sample duplicate (LCS/LCSD) is spiked with target analytes to provide information on laboratory precision and accuracy.

In report 1608154rev1, SA noted in the case narrative that the USEPA Method 8270D LCS/LCSD were not prepared with 2,3,4-trichlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, and 2,3,5-trichlorophenol. The USEPA Method 8270D continuing calibration verification (CCV) standards met percent recovery acceptance limits for all trichlorophenol compounds; thus, no results were qualified by the reviewer.

The remaining LCS/LCSD samples were extracted and analyzed at the required frequency. All LCS/LCSD results were within acceptance limits for percent recovery and RPD.

FIELD DUPLICATE RESULTS

Field duplicate samples measure both field and laboratory precision. Two field duplicates (MW57D081216/MW57DDUP081216 and MW45D081516/MW45DDUP081516) were submitted for analysis. MFA uses acceptance criteria of 100 percent RPD for results that are less than five times the MRL, or 50 percent RPD for results that are greater than five times the MRL. Non-detect data are not used in the evaluation of field duplicate results. All analytes were within the acceptance criteria.

CONTINUING CALIBRATION VERIFICATION RESULTS

CCV results are used to demonstrate instrument precision and accuracy through the end of the sample batch. All CCVs were within acceptance limits for percent recovery.

REPORTING LIMITS

SA used routine reporting limits for non-detect results, except for samples requiring dilutions because of high analyte concentrations and/or matrix interferences.

DATA PACKAGE

The data packages were reviewed for transcription errors, omissions, and anomalies. None were found.

REFERENCES

SA. 2015. Quality assurance manual. Specialty Analytical, Inc., Clackamas, Oregon.

USEPA. 1986. Test methods for evaluating solid waste: physical/chemical methods. EPA-530/SW-846 Update V. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. September (revision 1, July 2014).

USEPA. 2014a. USEPA contract laboratory program, national functional guidelines for inorganic Superfund data review. EPA 540/R-013/001. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. August.

USEPA. 2014b. USEPA contract laboratory program, national functional guidelines for Superfund organic methods data review. EPA 540/R-014/002. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. August.