Appendix N

Summary Statistics

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Table N-1. Groundwater Summary Statistics for 100-D Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Radionuclides																		
Cesium-137	No	pCi/L	10/7/2009	11/27/2012	60	0	0	-5	2.96	v	--	--	8.6	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Cobalt-60	No	pCi/L	10/7/2009	11/27/2012	60	0	0	-3.9	2.9	--	--	--	0.023	--	DOE/RL-96-61 Rev.0, Table ES-1	100	--	40 CFR 141 - Federal MCL
Europium-152	No	pCi/L	10/7/2009	11/27/2012	60	0	0	-12	8.4	--	--	--	222	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Europium-154	No	pCi/L	10/7/2009	11/27/2012	60	0	0	-8.8	13	--	--	--	70	--	DOE/RL-96-61 Rev.0, Table ES-1	60	--	40 CFR 141 - Federal MCL
Europium-155	No	pCi/L	10/7/2009	11/27/2012	60	0	0	-13	12	--	--	--	5.9	--	DOE/RL-96-61 Rev.0, Table ES-1	600	--	40 CFR 141 - Federal MCL
Gross alpha	No	pCi/L	11/8/2006	12/20/2012	170	36	21.18	-2.9	11	1.4	24	4.88	--	--	--	15	1	40 CFR 141 - Federal MCL
Gross beta	No	pCi/L	11/8/2006	12/20/2012	170	144	84.71	-1.4	23	2.3	152	11.9	3.1	142	DOE/RL-96-61 Rev.0, Table ES-1	4.0 mrem	--	40 CFR 141 - Federal MCL
Strontium-90	No	pCi/L	5/23/2006	11/29/2012	135	30	22.22	-14	2.4	0.48	45	9.83	0.0010	30	DOE/RL-96-61 Rev.0, Table ES-1	8.0	7	40 CFR 141 - Federal MCL
Technetium-99	No	pCi/L	5/23/2006	11/29/2012	78	2	2.56	-14	3.7	7.6	12	9.8	0.83	2	DOE/RL-96-61 Rev.0, Table ES-1	900	0	40 CFR 141 - Federal MCL
Tritium	No	pCi/L	1/8/2006	12/20/2012	220	172	78.18	-110	260	180	19,000	3,781	119	172	DOE/RL-96-61 Rev.0, Table ES-1	20,000	0	40 CFR 141 - Federal MCL
Volatile Organic Compounds																		
1,1-Dichloroethene	No	µg/L	8/5/2009	11/27/2012	78	0	0	0.051	1	--	--	--	--	--	--	7.0	--	40 CFR 141 - Federal MCL
Benzene	No	µg/L	8/5/2009	11/27/2012	78	0	0	0.045	1	--	--	--	--	--	--	0.80	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Carbon tetrachloride	No	µg/L	8/5/2009	11/27/2012	78	3	3.85	0.063	1	1.7	2.7	2.33	--	--	--	0.63	3	WAC 173-340-720(4)(b) (iii)(A) and (B)
Chloroform	No	µg/L	8/5/2009	11/27/2012	79	56	70.89	1	1	0.12	8.3	2.40	--	--	--	1.4	32	WAC 173-340-720(4)(b) (iii)(A) and (B)
Trichloroethene	No	µg/L	8/5/2009	11/27/2012	78	0	0	0.21	1	--	--	--	--	--	--	0.95	--	WAC 173-340-720(4)(b)(iii) (A) and (B)
Vinyl chloride	No	µg/L	8/5/2009	11/27/2012	78	0	0	0.032	1	--	--	--	--	--	--	0.061	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Anions																		
Fluoride	No	µg/L	1/16/2006	12/20/2012	441	186	42.18	12	250	14.4	200	79.9	1,047	0	DOE/RL-96-61 Rev.0, Table ES-1	960	0	WAC 173-340-720(4)(b)(iii) (A) and (B)
Nitrate	No	µg/L	1/16/2006	12/20/2012	456	456	100	--	--	1,810	107,000	42,162	26,871	360	DOE/RL-96-61 Rev.0, Table ES-1	45,000	186	40 CFR 141 - Federal MCL
Nitrite	No	µg/L	1/16/2006	12/20/2012	437	93	21.28	9.85	2,500	39.4	2,400	245	94	91	DOE/RL-96-61 Rev.0, Table ES-1	3,300	0	40 CFR 141 - Federal MCL

Table N-1. Groundwater Summary Statistics for 100-D Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Sulfate	No	µg/L	1/9/2006	12/20/2012	525	525	100	--	--	11,000	205,000	102,916	47,014	448	DOE/RL-96-61 Rev.0, Table ES-1	250,000	0	40 CFR 141 - Federal Secondary MCL
Metals																		
Antimony	No	µg/L	11/8/2006	12/20/2012	270	11	4.07	0.3	720	4.9	78.1	33	55	2	DOE/RL-96-61 Rev.0, Table ES-1	6.0	10	40 CFR 141--Federal MCL
Antimony	Yes	µg/L	11/8/2006	12/20/2012	255	9	3.53	0.3	720	0.65	66.9	29.5	55	2	DOE/RL-96-61 Rev.0, Table ES-1	6.0	6	40 CFR 141--Federal MCL
Arsenic	No	µg/L	10/31/2007	12/20/2012	119	115	96.64	0.8	0.95	0.58	3.61	1.71	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	115	WAC 173-340-720(4)(b)(iii)(A) and (B)
Arsenic	Yes	µg/L	11/14/2006	12/20/2012	106	96	90.57	0.8	10	0.64	3.32	1.80	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	96	WAC 173-340-720(4)(b)(iii)(A) and (B)
Beryllium	No	µg/L	11/8/2006	12/20/2012	262	5	1.91	0.05	10	0.10	0.31	0.17	2.3	0	DOE/RL-96-61 Rev.0, Table ES-1	4.0	0	40 CFR 141--Federal MCL
Beryllium	Yes	µg/L	11/8/2006	12/20/2012	255	3	1.18	0.05	10	0.092	0.16	0.13	2.3	0	DOE/RL-96-61 Rev.0, Table ES-1	4.0	0	40 CFR 141--Federal MCL
Cadmium	No	µg/L	11/8/2006	12/20/2012	270	3	1.11	0.05	30	0.11	1.7	0.68	0.92	1	DOE/RL-96-61 Rev.0, Table ES-1	0.25	1	Clean Water Act -- Freshwater CCC
Cadmium	Yes	µg/L	11/8/2006	12/20/2012	255	0	0	0.1	30	--	--	--	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	0.25	0	Clean Water Act -- Freshwater CCC
Chromium	No	µg/L	11/8/2006	12/20/2012	265	257	96.98	3.1	13	3.9	61,100	892	2.4	257	DOE/RL-96-61 Rev.0, Table ES-1	65	162	Clean Water Act -- Freshwater CCC
Chromium	Yes	µg/L	11/8/2006	12/20/2012	252	244	96.83	3.1	14	3.4	10,500	437	2.4	244	DOE/RL-96-61 Rev.0, Table ES-1	65	147	Clean Water Act -- Freshwater CCC
Cobalt	No	µg/L	11/8/2006	12/20/2012	270	39	14.44	0.05	70	0.099	29	7.32	0.92	17	DOE/RL-96-61 Rev.0, Table ES-1	4.8	15	WAC 173-340-720(4)(b)(iii)(A) and (B)
Cobalt	Yes	µg/L	11/8/2006	12/20/2012	255	39	15.29	0.1	70	0.10	32	6.24	0.92	12	DOE/RL-96-61 Rev.0, Table ES-1	4.8	12	WAC 173-340-720(4)(b)(iii)(A) and (B)
Copper	No	µg/L	11/8/2006	12/20/2012	270	78	28.89	0.2	70	0.12	116	9.28	0.81	43	DOE/RL-96-61 Rev.0, Table ES-1	9.0	23	Clean Water Act -- Freshwater CCC
Copper	Yes	µg/L	11/8/2006	12/20/2012	255	35	13.73	0.1	70	0.17	15.4	4.43	0.81	18	DOE/RL-96-61 Rev.0, Table ES-1	9.0	9	Clean Water Act -- Freshwater CCC
Cr(VI)	No	µg/L	1/3/2006	12/20/2012	1157	1128	97.49	2	5,000	2	69,100	2,269	--	--	--	10	1,006	WAC 173-201A
Cr(VI)	Yes	µg/L	1/9/2006	9/22/2011	718	679	94.57	2	5	2	69,700	2,355	--	--	--	10	625	WAC 173-201A
Iron	No	µg/L	11/8/2006	12/20/2012	253	137	54.15	9	330	18.3	11,300	3542	570	10	DOE/RL-96-61 Rev.0, Table ES-1	1,000	10	Clean Water Act -- Freshwater CCC
Iron	Yes	µg/L	11/8/2006	12/20/2012	255	55	21.57	9	330	9.7	173	39.4	570	0	DOE/RL-96-61 Rev.0, Table ES-1	1,000	0	Clean Water Act -- Freshwater CCC
Lead	No	µg/L	8/11/2009	9/7/2012	79	24	30.38	0.1	0.2	0.12	0.52	0.26	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	2.1	1	WAC 173-201A

Table N-1. Groundwater Summary Statistics for 100-D Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Lead	Yes	µg/L	8/11/2009	2/2/2012	58	7	12.07	0.1	0.2	0.29	3.66	1.25	0.92	3	DOE/RL-96-61 Rev.0, Table ES-1	2.1	2	WAC 173-201A
Manganese	No	µg/L	11/8/2006	12/20/2012	270	55	20.37	0.2	30	0.29	814	65.3	39	11	DOE/RL-96-61 Rev.0, Table ES-1	384	3	WAC 173-340-720(4)(b)(iii)(A) and (B)
Manganese	Yes	µg/L	11/8/2006	12/20/2012	255	30	11.76	2.5	30	3.2	28	11.7	39	0	DOE/RL-96-61 Rev.0, Table ES-1	384	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Mercury	No	µg/L	10/7/2009	6/3/2010	55	0	0	0.05	0.1	--	--	--	0.0030	--	DOE/RL-96-61 Rev.0, Table ES-1	0.012	--	40 CFR 131 -- Freshwater CCC
Mercury	Yes	µg/L	10/7/2009	6/3/2010	55	3	5.45	0.05	0.1	0.076	0.16	0.11	0.0030	3	DOE/RL-96-61 Rev.0, Table ES-1	0.012	3	40 CFR 131 -- Freshwater CCC
Nickel	No	µg/L	11/8/2006	12/20/2012	270	86	31.85	0.2	66.5	0.28	67	9.88	1.6	68	DOE/RL-96-61 Rev.0, Table ES-1	52	2	Clean Water Act -- Freshwater CCC
Nickel	Yes	µg/L	11/8/2006	12/20/2012	255	34	13.33	4	66.5	0.59	25.5	10.6	1.6	33	DOE/RL-96-61 Rev.0, Table ES-1	52	1	Clean Water Act -- Freshwater CCC
Selenium	No	µg/L	8/5/2009	9/7/2012	85	77	90.59	0.6	2	0.38	10.7	2.99	11	1	DOE/RL-96-61 Rev.0, Table ES-1	5.0	6	Clean Water Act -- Freshwater CCC
Selenium	Yes	µg/L	8/5/2009	4/21/2011	68	65	95.59	0.6	10	0.44	10.5	3.08	11	0	DOE/RL-96-61 Rev.0, Table ES-1	5.0	6	Clean Water Act -- Freshwater CCC
Silver	No	µg/L	11/8/2006	12/20/2012	270	22	8.15	0.05	110	0.13	33.7	13.2	5.3	14	DOE/RL-96-61 Rev.0, Table ES-1	2.6	18	WAC 173-201A
Silver	Yes	µg/L	11/8/2006	12/20/2012	255	17	6.67	0.1	110	4.6	32.4	19.0	5.3	15	DOE/RL-96-61 Rev.0, Table ES-1	2.6	19	WAC 173-201A
Thallium	No	µg/L	10/7/2009	9/7/2012	73	3	4.11	0.05	0.1	0.12	0.244	0.17	1.7	0	DOE/RL-96-61 Rev.0, Table ES-1	0.50	0	40 CFR 141--Federal MCLG
Thallium	Yes	µg/L	10/7/2009	4/21/2011	56	4	7.14	0.05	5	0.070	0.179	0.12	1.7	0	DOE/RL-96-61 Rev.0, Table ES-1	0.50	0	40 CFR 141--Federal MCLG
Uranium	No	µg/L	5/23/2006	12/20/2012	129	129	100	--	--	0.13	6.2	2.45	10	0	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Uranium	Yes	µg/L	10/7/2009	10/21/2009	18	18	100	--	--	0.31	4.14	2.75	10	0	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Vanadium	No	µg/L	11/8/2006	12/20/2012	270	151	55.93	4.1	140	3.33	46	14.1	12	81	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vanadium	Yes	µg/L	11/8/2006	12/20/2012	255	114	44.71	4.1	140	5	39.3	14.8	12	69	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Zinc	No	µg/L	11/8/2006	12/20/2012	270	123	45.56	2	9	1.41	539	52.4	22	82	DOE/RL-96-61 Rev.0, Table ES-1	91	14	WAC 173-201A
Zinc	Yes	µg/L	11/8/2006	12/20/2012	255	91	35.69	4	20	4	260	47.8	22	67	DOE/RL-96-61 Rev.0, Table ES-1	91	9	WAC 173-201A

Table N-1. Groundwater Summary Statistics for 100-D Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Field Measurements																		
Dissolved oxygen	No	µg/L	1/9/2006	12/20/2012	332	332	100	--	--	140	80,400	8,997	--	--	--	--	--	--
Oxidation Reduction Potential	No	mV	1/9/2006	4/17/2012	121	121	100	--	--	1.62	477	315	--	--	--	--	--	--
pH Measurement	No	Unit-less	1/9/2006	12/20/2012	1325	1325	100	--	--	2.19	9.8	7.95	8.2	176	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Specific Conductance	No	µS/cm	1/9/2006	12/20/2012	1322	1322	100	--	--	5.27	1,028	509	541,000	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Temperature	No	Deg C	1/9/2006	12/20/2012	1317	1317	100	--	--	3.7	34.7	17.5	--	--	--	--	--	--
Turbidity	No	NTU	1/9/2006	12/20/2012	1307	1307	100	--	--	0.04	1,000	9.49	--	--	--	--	--	--

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

Table N-2. Groundwater Summary Statistics for 100-H Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Radionuclides																		
Cesium-137	No	pCi/L	6/26/2006	11/15/2012	66	0	0	-8.3	45	--	--	--	8.6	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Cobalt-60	No	pCi/L	6/26/2006	11/15/2012	66	0	0	-3	42	--	--	--	0.023	--	DOE/RL-96-61 Rev.0, Table ES-1	100	--	40 CFR 141 - Federal MCL
Europium-152	No	pCi/L	6/26/2006	11/15/2012	66	0	0	-19	110	--	--	--	222	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Europium-154	No	pCi/L	6/26/2006	11/15/2012	66	0	0	-13	140	--	--	--	70	--	DOE/RL-96-61 Rev.0, Table ES-1	60	--	40 CFR 141 - Federal MCL
Europium-155	No	pCi/L	6/26/2006	11/15/2012	66	0	0	-20	120	--	--	--	5.9	--	DOE/RL-96-61 Rev.0, Table ES-1	600	--	40 CFR 141 - Federal MCL
Gross alpha	No	pCi/L	1/16/2006	11/26/2012	119	37	31.09	-1.6	4.5	1.2	51	5.36	--	--	--	15	2	40 CFR 141 - Federal MCL
Gross beta	No	pCi/L	1/16/2006	12/10/2012	127	119	93.7	0.93	6.3	3.5	330	27.4	3.1	119	DOE/RL-96-61 Rev.0, Table ES-1	4.0 mrem	--	40 CFR 141 - Federal MCL
Strontium-90	No	pCi/L	1/16/2006	12/10/2012	213	106	49.77	-7.8	2.6	1.1	110	8.68	0.0010	106	DOE/RL-96-61 Rev.0, Table ES-1	8.0	34	40 CFR 141 - Federal MCL
Technetium-99	No	pCi/L	3/13/2006	11/26/2012	171	47	27.49	-14	9.6	6.5	870	49.8	0.83	47	DOE/RL-96-61 Rev.0, Table ES-1	900	0	40 CFR 141 - Federal MCL
Tritium	No	pCi/L	1/16/2006	11/26/2012	210	201	95.71	-25.6	300	7.33	11,000	2,331	119	200	DOE/RL-96-61 Rev.0, Table ES-1	20,000	0	40 CFR 141 - Federal MCL
Volatile Organic Compounds																		
1,1-Dichloroethene	No	µg/L	8/16/2009	11/1/2012	57	0	0	0.051	1	--	--	--	--	--	--	7.0	--	40 CFR 141--Federal MCL
Benzene	No	µg/L	8/16/2009	11/1/2012	57	0	0	0.045	1	--	--	--	--	--	--	0.80	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Carbon tetrachloride	No	µg/L	8/16/2009	11/1/2012	57	3	5.26	0.063	1	0.088	2	1.10	--	--	--	0.63	2	WAC 173-340-720(4)(b)(iii)(A) and (B)
Chloroform	No	µg/L	8/16/2009	11/1/2012	57	39	68.42	1	1	0.32	2	1.04	--	--	--	1.4	6	WAC 173-340-720(4)(b)(iii)(A) and (B)
Trichloroethene	No	µg/L	8/16/2009	11/1/2012	57	0	0	0.21	1	--	--	--	--	--	--	1.0	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vinyl chloride	No	µg/L	8/16/2009	11/1/2012	57	0	0	0.032	1	--	--	--	--	--	--	0.061	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Anions																		
Fluoride	No	µg/L	1/16/2006	12/10/2012	248	184	74.19	12.8	250	48.8	308	120	1,047	0	DOE/RL-96-61 Rev.0, Table ES-1	960	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Nitrate	No	µg/L	1/16/2006	12/10/2012	257	257	100	--	--	416	253,000	29,580	26,871	143	DOE/RL-96-61 Rev.0, Table ES-1	45,000	16	40 CFR 141 ∩┐╝ Federal MCL
Nitrite	No	µg/L	1/16/2006	12/10/2012	241	62	25.73	9.85	296	126	2,270	427	94	62	DOE/RL-96-61 Rev.0, Table ES-1	3,300	0	40 CFR 141 ∩┐╝ Federal MCL
Sulfate	No	µg/L	1/16/2006	12/10/2012	248	248	100	--	--	10,200	149,000	62,781	47,014	190	DOE/RL-96-61 Rev.0, Table ES-1	250,000	0	40 CFR 141 - Federal MCL

Table N-2. Groundwater Summary Statistics for 100-H Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Metals																		
Antimony	No	µg/L	1/16/2006	12/10/2012	197	16	8.12	0.3	72	0.35	49.3	11.4	55	0	DOE/RL-96-61 Rev.0, Table ES-1	6.0	4	40 CFR 141--Federal MCL
Antimony	Yes	µg/L	1/16/2006	11/26/2012	193	11	5.7	0.3	72	0.34	41.2	11.2	55	0	DOE/RL-96-61 Rev.0, Table ES-1	6.0	3	40 CFR 141--Federal MCL
Arsenic	No	µg/L	6/26/2006	12/10/2012	62	61	98.39	6.1	6.1	1.42	3.99	2.48	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	61	WAC 173-340-720(4)(b)(iii)(A) and (B)
Arsenic	Yes	µg/L	8/16/2009	8/11/2011	53	51	96.23	0.8	10	1.28	3.75	2.36	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	51	WAC 173-340-720(4)(b)(iii)(A) and (B)
Beryllium	No	µg/L	1/16/2006	12/10/2012	191	1	0.52	0.05	4.1	0.18	0.18	0.18	2.3	0	DOE/RL-96-61 Rev.0, Table ES-1	4.0	0	40 CFR 141--Federal MCL
Beryllium	Yes	µg/L	1/16/2006	11/26/2012	193	5	2.59	0.05	4.1	0.072	0.63	0.37	2.3	0	DOE/RL-96-61 Rev.0, Table ES-1	4.0	0	40 CFR 141--Federal MCL
Cadmium	No	µg/L	1/16/2006	12/10/2012	197	1	0.51	0.05	4.1	4.1	4.1	4.1	0.92	1	DOE/RL-96-61 Rev.0, Table ES-1	0.25	1	Clean Water Act -- Freshwater CCC
Cadmium	Yes	µg/L	1/16/2006	11/26/2012	193	1	0.52	0.1	4.1	0.39	0.392	0.39	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	0.25	1	Clean Water Act -- Freshwater CCC
Chromium	No	µg/L	1/16/2006	12/10/2012	197	158	80.2	7	14	1.45	215	24.6	2.4	157	DOE/RL-96-61 Rev.0, Table ES-1	65	10	Clean Water Act -- Freshwater CCC
Chromium	Yes	µg/L	1/16/2006	11/26/2012	193	131	67.88	1	14	4.89	79.3	18.1	2.4	131	DOE/RL-96-61 Rev.0, Table ES-1	65	6	Clean Water Act -- Freshwater CCC
Cobalt	No	µg/L	1/16/2006	12/10/2012	196	28	14.80	0.05	7	0.062	27.1	2.17	0.92	3	DOE/RL-96-61 Rev.0, Table ES-1	4.8	2	WAC 173-340-720(4)(b)(iii)(A) and (B)
Cobalt	Yes	µg/L	1/16/2006	11/26/2012	193	36	18.65	0.1	7	0.083	28.7	2.78	0.92	9	DOE/RL-96-61 Rev.0, Table ES-1	4.8	6	WAC 173-340-720(4)(b)(iii)(A) and (B)
Copper	No	µg/L	1/16/2006	12/10/2012	197	55	27.92	0.2	7	0.12	28.1	4.32	0.81	34	DOE/RL-96-61 Rev.0, Table ES-1	9.0	8	Clean Water Act -- Freshwater CCC
Copper	Yes	µg/L	1/16/2006	11/26/2012	193	20	10.36	0.1	10	0.17	13.4	4.08	0.81	13	DOE/RL-96-61 Rev.0, Table ES-1	9.0	3	Clean Water Act -- Freshwater CCC
Cr(VI)	No	µg/L	1/3/2006	12/10/2012	603	547	90.71	2	3.7	1	112	19.6	--	--	--	10	328	WAC 173-201A
Cr(VI)	Yes	µg/L	1/9/2006	6/16/2011	266	237	89.10	2	5	2	75	16.0	--	--	--	10	120	WAC 173-201A
Iron	No	µg/L	1/16/2006	11/26/2012	180	135	75	9	38	10.2	7,840	258	570	9	DOE/RL-96-61 Rev.0, Table ES-1	1,000	7	Clean Water Act -- Freshwater CCC
Iron	Yes	µg/L	1/16/2006	11/26/2012	193	93	48.19	9	50	9.5	426	48.4	570	0	DOE/RL-96-61 Rev.0, Table ES-1	1,000	0	Clean Water Act -- Freshwater CCC
Lead	No	µg/L	6/26/2006	12/10/2012	63	14	22.22	0.1	3.1	0.093	0.711	0.28	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	2.1	0	WAC 173-201A
Lead	Yes	µg/L	10/11/2009	8/11/2011	50	6	12	0.1	10	0.21	2.48	0.70	0.92	1	DOE/RL-96-61 Rev.0, Table ES-1	2.1	1	WAC 173-201A

Table N-2. Groundwater Summary Statistics for 100-H Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Manganese	No	µg/L	1/16/2006	12/10/2012	197	52	26.4	0.2	6	0.28	340	30.2	39	10	DOE/RL-96-61 Rev.0, Table ES-1	384	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Manganese	Yes	µg/L	1/16/2006	11/26/2012	193	39	20.21	2.5	6	0.80	229	22.9	39	6	DOE/RL-96-61 Rev.0, Table ES-1	384	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Mercury	No	µg/L	6/26/2006	6/11/2010	47	1	2.13	0.05	0.1	0.11	0.11	0.11	0.0030	1	DOE/RL-96-61 Rev.0, Table ES-1	0.012	1	40 CFR 131 -- Freshwater CCC
Mercury	Yes	µg/L	10/11/2009	6/11/2010	46	1	2.17	0.05	0.1	0.12	0.115	0.12	0.0030	1	DOE/RL-96-61 Rev.0, Table ES-1	0.012	1	40 CFR 131 -- Freshwater CCC
Nickel	No	µg/L	1/16/2006	12/10/2012	197	82	41.62	0.2	66.5	0.23	37.2	8.78	1.6	79	DOE/RL-96-61 Rev.0, Table ES-1	52	0	Clean Water Act -- Freshwater CCC
Nickel	Yes	µg/L	1/16/2006	11/26/2012	193	49	25.39	4	66.5	0.72	36.3	8.06	1.6	48	DOE/RL-96-61 Rev.0, Table ES-1	52	0	Clean Water Act -- Freshwater CCC
Selenium	No	µg/L	6/26/2006	12/10/2012	62	49	79.03	0.6	4.7	0.83	3.2	1.66	11	0	DOE/RL-96-61 Rev.0, Table ES-1	5.0	0	Clean Water Act -- Freshwater CCC
Selenium	Yes	µg/L	8/16/2009	6/16/2011	52	48	92.31	0.6	10	0.70	3.84	1.62	11	0	DOE/RL-96-61 Rev.0, Table ES-1	5.0	0	Clean Water Act -- Freshwater CCC
Silver	No	µg/L	1/16/2006	12/10/2012	197	9	4.57	0.05	11	6.1	30	15.5	5.3	9	DOE/RL-96-61 Rev.0, Table ES-1	2.6	9	WAC 173-201A
Silver	Yes	µg/L	1/16/2006	11/26/2012	193	6	3.11	0.1	11	0.32	32.6	15.0	5.3	5	DOE/RL-96-61 Rev.0, Table ES-1	2.6	5	WAC 173-201A
Thallium	No	µg/L	6/26/2006	12/10/2012	58	2	3.45	0.05	7	0.10	0.276	0.19	1.7	0	DOE/RL-96-61 Rev.0, Table ES-1	0.50	0	40 CFR 141--Federal MCLG
Thallium	Yes	µg/L	10/11/2009	6/16/2011	48	3	6.25	0.05	5	0.066	0.20	0.20	1.7	0	DOE/RL-96-61 Rev.0, Table ES-1	0.50	0	40 CFR 141--Federal MCLG
Uranium	No	µg/L	3/13/2006	11/26/2012	171	168	98.25	0.1	0.1	0.38	85.5	3.69	10	10	DOE/RL-96-61 Rev.0, Table ES-1	30	2	40 CFR 141--Federal MCL
Uranium	Yes	µg/L	10/11/2009	1/13/2010	27	27	100	--	--	0.42	13	2.48	10	2	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Vanadium	No	µg/L	1/16/2006	12/10/2012	197	63	31.98	5	17	1.8	44.4	12.6	12	24	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vanadium	Yes	µg/L	1/16/2006	11/26/2012	193	44	22.8	5	17	2.8	50	14.4	12	19	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Zinc	No	µg/L	1/16/2006	12/10/2012	197	56	28.43	1	9.6	2.01	236	21.7	22	12	DOE/RL-96-61 Rev.0, Table ES-1	91	2	WAC 173-201A
Zinc	Yes	µg/L	1/16/2006	11/26/2012	193	32	16.58	4	20	1.6	88.1	19.4	22	7	DOE/RL-96-61 Rev.0, Table ES-1	91	0	WAC 173-201A
Field Measurements																		
Dissolved oxygen	No	µg/L	1/12/2006	11/26/2012	85	85	100	--	--	60	16,890	8,464	--	--	--	--	--	--
Oxidation Reduction Potential	No	mV	1/12/2006	12/15/2011	90	90	100	--	--	-1,014	408	244	--	--	--	--	--	--

Table N-2. Groundwater Summary Statistics for 100-H Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
pH Measurement	No	unitless	1/9/2006	12/10/2012	497	497	100	--	--	6.56	9.18	7.70	8.2	6	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Specific Conductance	No	µS/cm	1/9/2006	12/10/2012	493	493	100	--	--	160	1,037	444	541,000	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Temperature	No	Deg C	1/9/2006	12/10/2012	492	492	100	--	--	7.3	27.4	17.9	--	--	--	--	--	--
Turbidity	No	NTU	1/9/2006	12/10/2012	492	492	100	--	--	0.01	53.8	2.10	--	--	--	--	--	--

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

Table N-3. Groundwater Summary Statistics for Horn Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Ground-water Background 90th Percentile	No. of Detects > Ground-water Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Radionuclides																		
Cesium-137	No	pCi/L	10/9/2009	11/15/2012	56	0	0	-6.8	3	--	--	--	8.6	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Cobalt-60	No	pCi/L	10/9/2009	11/15/2012	56	0	0	-4.5	2.9	--	--	--	0.023	--	DOE/RL-96-61 Rev.0, Table ES-1	100	--	40 CFR 141 - Federal MCL
Europium-152	No	pCi/L	10/9/2009	11/15/2012	56	0	0	-21	6.52	--	--	--	222	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Europium-154	No	pCi/L	10/9/2009	11/15/2012	56	0	0	-6.95	10	--	--	--	70	--	DOE/RL-96-61 Rev.0, Table ES-1	60	--	40 CFR 141 - Federal MCL
Europium-155	No	pCi/L	10/9/2009	11/15/2012	56	0	0	-11	11	--	--	--	5.9	--	DOE/RL-96-61 Rev.0, Table ES-1	600	--	40 CFR 141 - Federal MCL
Gross alpha	No	pCi/L	1/30/2006	11/30/2012	248	65	26.21	-5.8	4.4	1.4	14	2.95	--	--	--	15	0	40 CFR 141 - Federal MCL
Gross beta	No	pCi/L	1/30/2006	11/30/2012	248	190	76.61	-0.6	6.5	2.4	21	6.69	3.1	186	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Strontium-90	No	pCi/L	10/9/2009	11/15/2012	58	2	3.45	-9.7	1.2	2.4	4.2	3.3	0.0010	2	DOE/RL-96-61 Rev.0, Table ES-1	8.0	0	40 CFR 141 - Federal MCL
Technetium-99	No	pCi/L	10/9/2009	11/15/2012	55	1	1.82	-17	3.6	12	12	12	0.83	1	DOE/RL-96-61 Rev.0, Table ES-1	900	0	40 CFR 141 - Federal MCL
Tritium	No	pCi/L	1/30/2006	11/30/2012	207	197	95.17	-220	210	200	6,030	2,425	119	197	DOE/RL-96-61 Rev.0, Table ES-1	20,000	0	40 CFR 141 - Federal MCL
Volatile Organic Compounds																		
1,1-Dichloroethene	No	µg/L	10/9/2009	11/30/2012	78	0	0	0.051	1	--	--	--	--	--	--	7.0	--	40 CFR 141--Federal MCL
Benzene	No	µg/L	10/9/2009	11/30/2012	78	0	0	0.045	1	--	--	--	--	--	--	0.80	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Carbon tetrachloride	No	µg/L	10/9/2009	11/30/2012	78	10	12.82	0.063	1	0.16	1.7	1.20	--	--	--	0.63	9	WAC 173-340-720(4)(b)(iii)(A) and (B)
Chloroform	No	µg/L	10/9/2009	11/30/2012	78	33	42.31	0.1	1	0.16	1	0.43	--	--	--	1.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Trichloroethene	No	µg/L	10/9/2009	11/30/2012	78	3	3.85	0.21	1	0.26	0.33	0.31	--	--	--	1.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vinyl chloride	No	µg/L	10/9/2009	11/30/2012	78	0	0	0.032	1	--	--	--	--	--	--	0.061	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Anions																		
Fluoride	No	µg/L	1/30/2006	11/30/2012	226	177	78.32	46	250	20.7	390	175	1,047	0	DOE/RL-96-61 Rev.0, Table ES-1	960	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Nitrate	No	µg/L	1/30/2006	11/30/2012	226	226	100	--	--	722	37,400	18,165	26,871	33	DOE/RL-96-61 Rev.0, Table ES-1	45,000	0	40 CFR 141 - Federal MCL

Table N-3. Groundwater Summary Statistics for Horn Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Ground-water Background 90th Percentile	No. of Detects > Ground-water Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Nitrite	No	µg/L	1/30/2006	11/30/2012	224	31	13.84	9.85	2500	133	542	239	94	31	DOE/RL-96-61 Rev.0, Table ES-1	3,300	0	40 CFR 141 - Federal MCL
Sulfate	No	µg/L	1/30/2006	11/30/2012	226	226	100	--	--	7600	187000	57,584	47,014	176	DOE/RL-96-61 Rev.0, Table ES-1	250,000	0	40 CFR 141 - Federal MCL
Metals																		
Antimony	No	µg/L	1/30/2006	11/30/2012	229	5	2.18	0.3	720	4.1	53.1	37.7	55	0	DOE/RL-96-61 Rev.0, Table ES-1	6.0	4	40 CFR 141--Federal MCL
Antimony	Yes	µg/L	1/30/2006	11/30/2012	224	10	4.46	0.3	720	0.32	75.3	31.2	55	2	DOE/RL-96-61 Rev.0, Table ES-1	6.0	7	40 CFR 141--Federal MCL
Arsenic	No	µg/L	10/9/2009	8/29/2012	57	52	91.23	0.4	0.8	0.61	7.52	3.30	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	52	WAC 173-340-720(4)(b)(iii)(A) and (B)
Arsenic	Yes	µg/L	10/9/2009	1/7/2011	51	46	90.2	0.4	0.8	0.48	7.16	3.63	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	46	WAC 173-340-720(4)(b)(iii)(A) and (B)
Beryllium	No	µg/L	1/30/2006	11/30/2012	229	1	0.44	0.05	10	1.2	1.2	1.2	2.3	0	DOE/RL-96-61 Rev.0, Table ES-1	4.0	0	40 CFR 141--Federal MCL
Beryllium	Yes	µg/L	1/30/2006	11/30/2012	224	2	0.89	0.05	10	0.057	0.81	0.43	2.3	0	DOE/RL-96-61 Rev.0, Table ES-1	4.0	0	40 CFR 141--Federal MCL
Cadmium	No	µg/L	1/30/2006	11/30/2012	229	1	0.44	0.1	30	6	6	6	0.92	1	DOE/RL-96-61 Rev.0, Table ES-1	0.25	1	Clean Water Act -- Freshwater CCC
Cadmium	Yes	µg/L	1/30/2006	11/30/2012	224	3	1.34	0.1	30	4.3	6.1	5.47	0.92	3	DOE/RL-96-61 Rev.0, Table ES-1	0.25	3	Clean Water Act -- Freshwater CCC
Chromium	No	µg/L	1/30/2006	11/30/2012	229	205	89.52	3.1	14	1.13	125	37.8	2.4	204	DOE/RL-96-61 Rev.0, Table ES-1	65	31	Clean Water Act -- Freshwater CCC
Chromium	Yes	µg/L	1/30/2006	11/30/2012	224	203	90.63	3.1	14	4.3	113	38.1	2.4	203	DOE/RL-96-61 Rev.0, Table ES-1	65	26	Clean Water Act -- Freshwater CCC
Cobalt	No	µg/L	1/30/2006	11/30/2012	229	3	1.31	0.05	70	0.074	0.21	0.16	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Cobalt	Yes	µg/L	1/30/2006	11/30/2012	224	27	12.05	0.05	70	0.060	6.2	1.61	0.92	8	DOE/RL-96-61 Rev.0, Table ES-1	4.8	3	WAC 173-340-720(4)(b)(iii)(A) and (B)
Copper	No	µg/L	1/30/2006	11/30/2012	229	48	20.96	0.1	70	0.10	7.6	1.13	0.81	14	DOE/RL-96-61 Rev.0, Table ES-1	9.0	0	Clean Water Act -- Freshwater CCC
Copper	Yes	µg/L	1/30/2006	11/30/2012	224	33	14.73	0.1	70	0.23	8.79	2.45	0.81	17	DOE/RL-96-61 Rev.0, Table ES-1	9.0	0	Clean Water Act -- Freshwater CCC
Cr(VI)	No	µg/L	10/19/2007	11/30/2012	354	308	87.01	2	3.7	2.3	103	37.5	--	--	--	10	269	WAC 173-201A
Cr(VI)	Yes	µg/L	1/26/2006	6/8/2011	153	133	86.93	2	5	2.9	117	39.4	--	--	--	10	118	WAC 173-201A
Iron	No	µg/L	1/30/2006	11/30/2012	225	147	65.33	16	330	11.5	2,840	177	570	9	DOE/RL-96-61 Rev.0, Table ES-1	1,000	5	Clean Water Act -- Freshwater CCC
Iron	Yes	µg/L	1/30/2006	11/30/2012	224	60	26.79	9	330	11.2	2,050	137	570	3	DOE/RL-96-61 Rev.0, Table ES-1	1,000	3	Clean Water Act -- Freshwater CCC

Table N-3. Groundwater Summary Statistics for Horn Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Ground-water Background 90th Percentile	No. of Detects > Ground-water Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Lead	No	µg/L	10/9/2009	8/29/2012	57	7	12.28	0.1	0.2	0.12	0.85	0.39	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	2.1	0	WAC 173-201A
Lead	Yes	µg/L	10/9/2009	1/7/2011	51	2	3.92	0.1	0.2	0.41	0.47	0.44	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	2.1	0	WAC 173-201A
Manganese	No	µg/L	1/30/2006	11/30/2012	229	58	25.33	0.2	30	0.24	122	15.0	39	5	DOE/RL-96-61 Rev.0, Table ES-1	384	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Manganese	Yes	µg/L	1/30/2006	11/30/2012	224	46	20.54	0.96	30	1.1	122	16.2	39	4	DOE/RL-96-61 Rev.0, Table ES-1	384	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Mercury	No	µg/L	10/9/2009	1/7/2011	52	0	0	0.05	0.1	--	--	--	0.0030	0	DOE/RL-96-61 Rev.0, Table ES-1	0.012	0	40 CFR 131 -- Freshwater CCC
Mercury	Yes	µg/L	10/9/2009	1/7/2011	52	0	0	0.05	0.1	--	--	--	0.0030	0	DOE/RL-96-61 Rev.0, Table ES-1	0.012	0	40 CFR 131 -- Freshwater CCC
Nickel	No	µg/L	1/30/2006	11/30/2012	229	17	7.42	0.2	133	0.20	11.6	4.47	1.6	12	DOE/RL-96-61 Rev.0, Table ES-1	52	0	Clean Water Act -- Freshwater CCC
Nickel	Yes	µg/L	1/30/2006	11/30/2012	224	13	5.8	4	133	4	19	6.76	1.6	13	DOE/RL-96-61 Rev.0, Table ES-1	52	0	Clean Water Act -- Freshwater CCC
Selenium	No	µg/L	10/9/2009	8/29/2012	57	50	87.72	0.6	2	0.91	7.14	2.16	11	0	DOE/RL-96-61 Rev.0, Table ES-1	5.0	1	Clean Water Act -- Freshwater CCC
Selenium	Yes	µg/L	10/9/2009	1/7/2011	51	49	96.08	0.6	0.6	0.78	7.31	2.13	11	0	DOE/RL-96-61 Rev.0, Table ES-1	5.0	1	Clean Water Act -- Freshwater CCC
Silver	No	µg/L	1/30/2006	11/30/2012	229	5	2.18	0.1	110	0.28	11.9	6.68	5.3	3	DOE/RL-96-61 Rev.0, Table ES-1	2.6	4	WAC 173-201A
Silver	Yes	µg/L	1/30/2006	11/30/2012	224	5	2.23	0.1	110	5.6	12.7	8.88	5.3	5	DOE/RL-96-61 Rev.0, Table ES-1	2.6	5	WAC 173-201A
Thallium	No	µg/L	10/9/2009	8/29/2012	57	0	0	0.05	0.1	--	--	--	1.7	--	DOE/RL-96-61 Rev.0, Table ES-1	0.50	--	40 CFR 141--Federal MCLG
Thallium	Yes	µg/L	10/9/2009	1/7/2011	51	0	0	0.05	0.1	--	--	--	1.7	--	DOE/RL-96-61 Rev.0, Table ES-1	0.50	--	40 CFR 141--Federal MCLG
Uranium	No	µg/L	10/9/2009	11/15/2012	55	55	100	--	--	0.51	5.01	2.45	10	0	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Uranium	Yes	µg/L	10/9/2009	10/9/2009	16	16	100	--	--	1.12	4.97	2.49	10	0	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Vanadium	No	µg/L	1/30/2006	11/30/2012	229	93	40.61	4.1	140	4.2	38	12.3	12	45	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-201A
Vanadium	Yes	µg/L	1/30/2006	11/30/2012	224	85	37.95	4.1	140	4.4	34	12.2	12	43	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-201A
Zinc	No	µg/L	1/30/2006	11/30/2012	229	32	13.97	2	9	4.2	444	50.8	22	9	DOE/RL-96-61 Rev.0, Table ES-1	91	4	Clean Water Act -- Freshwater CCC
Zinc	Yes	µg/L	1/30/2006	11/30/2012	224	31	9.38	4	9.6	4	364	55.6	22	8	DOE/RL-96-61 Rev.0, Table ES-1	91	4	Clean Water Act -- Freshwater CCC

Table N-3. Groundwater Summary Statistics for Horn Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Ground-water Background 90th Percentile	No. of Detects > Ground-water Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Field Measurements																		
Dissolved oxygen	No	µg/L	10/19/2007	1/7/2011	60	60	100	0	0	3,950	10,600	8,628	--	--	--	--	--	--
Oxidation Reduction Potential	No	mV	10/22/2007	1/7/2011	52	52	100	0	0	103	419	269	--	--	--	--	--	--
pH Measurement	No	unitless	1/26/2006	11/30/2012	387	387	100	0	0	6.55	9.36	7.70	8.2	1	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Specific Conductance	No	µS/cm	1/26/2006	11/30/2012	387	387	100	0	0	133	1,559	405	541,000	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Temperature	No	Deg C	1/26/2006	11/30/2012	387	387	100	0	0	8.9	23	17.0	--	--	--	--	--	--
Turbidity	No	NTU	1/26/2006	11/30/2012	387	387	100	0	0	0.08	333	4.16	--	--	--	--	--	--

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

Table N-4. Summary Statistics of Additional Analytes at Monitoring Well 199-D4-84

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
PCBs by Method 8082																			
199-D4-84	Aroclor-1016	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Aroclor-1221	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Aroclor-1232	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Aroclor-1242	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Aroclor-1248	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Aroclor-1254	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Aroclor-1260	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Aroclor-1262	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Aroclor-1268	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-D4-84	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	1,2,4-Trichlorobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	1,2,4-Trimethylbenzene	No	µg/L	10/8/2009	10/8/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	1,2-Dichlorobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	1,3-Dichlorobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	1,4-Dichlorobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.12	0.90	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	1,4-Naphthoquinone	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	1-Naphthylamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	2,3,4,6-Tetrachlorophenol	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2,4,5-Trichlorophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	2,4,6-Trichlorophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	2,4-Dichlorophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2,4-Dimethylphenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2,4-Dinitrophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-4. Summary Statistics of Additional Analytes at Monitoring Well 199-D4-84

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D4-84	2,4-Dinitrotoluene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	2,6-Dichlorophenol	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	2,6-Dinitrotoluene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2-Acetylaminofluorene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2-Butoxyethanol	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2-Chloronaphthalene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2-Chlorophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2-Methylnaphthalene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2-Methylphenol (cresol, o-)	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2-Naphthylamine	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2-Nitroaniline	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	2-Nitrophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	2-Picoline	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	--	--	--
199-D4-84	3,3'-Dichlorobenzidine	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	3,3'-Dimethylbenzidine	No	µg/L	3/24/2010	6/3/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-D4-84	3-Methylcholanthrene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	3-Nitroaniline	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	4,6-Dinitro-2-methylphenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	4-Aminobiphenyl	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	4-Bromophenylphenyl ether	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	4-Chloro-3-methylphenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	4-Chloroaniline	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	4-Chlorophenylphenyl ether	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	4-Methylphenol (cresol, p-)	No	µg/L	3/24/2010	6/3/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	4-Nitroaniline	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	4-Nitrophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	4-Nitroquinoline-1-oxide	No	µg/L	3/24/2010	6/3/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-D4-84	5-Nitro-o-toluidine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-4. Summary Statistics of Additional Analytes at Monitoring Well 199-D4-84

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D4-84	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Acenaphthylene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	Acetophenone	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--
199-D4-84	Aniline	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Aramite	No	µg/L	3/24/2010	6/3/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Azobenzene	No	µg/L	6/3/2010	6/3/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Benzoic acid	No	µg/L	10/8/2009	10/8/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Benzothiazole	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-D4-84	Benzyl alcohol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Bis(2-Chloroethoxy)methane	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Bis(2-chloroethyl) ether	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Bis(2-ethylhexyl) phthalate	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Butylbenzylphthalate	No	µg/L	10/8/2009	6/3/2010	3	1	33	1.0	1.0	1.4	1.4	1.4	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Carbazole	No	µg/L	10/8/2009	3/24/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Chlorobenzilate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Cyclohexanone	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Decane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D4-84	Diallate	No	µg/L	3/24/2010	6/3/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Dibenzofuran	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Dibutyl Butylphosphonate	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-D4-84	Didodecyl phthalate	No	µg/L	10/8/2009	10/8/2009	1	1	100	--	--	3.0	3.0	3.0	--	--	--	--	--	--
199-D4-84	Diethylphthalate	No	µg/L	10/8/2009	6/3/2010	3	1	33	1.0	1.0	2.0	2.0	2.0	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Dimethoate	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Dimethyl phthalate	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Di-n-butylphthalate	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-4. Summary Statistics of Additional Analytes at Monitoring Well 199-D4-84

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D4-84	Di-n-octylphthalate	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/24/2010	6/3/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-D4-84	Diphenylamine	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Disulfoton	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Dodecane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D4-84	Ethyl methanesulfonate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	Famphur	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-D4-84	Gamma-BHC (Lindane)	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-D4-84	Hexachlorobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Hexachlorobutadiene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Hexachlorocyclopentadiene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Hexachloroethane	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Hexachlorophene	No	µg/L	3/24/2010	6/3/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Hexachloropropene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	Isodrin	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	Isophorone	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-D4-84	Isosafrole	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D4-84	Kepone	No	µg/L	3/24/2010	6/3/2010	2	0	0	20	20	--	--	--	--	--	--	4.18E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	m-Dinitrobenzene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Methapyrilene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D4-84	Methyl methanesulfonate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Methyl parathion	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Nitrobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Nitrosopyrrolidine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	n-Nitrosodiethylamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	n-Nitrosodimethylamine	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism

Table N-4. Summary Statistics of Additional Analytes at Monitoring Well 199-D4-84

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D4-84	n-Nitrosodi-n-butylamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	n-Nitrosodi-n-dipropylamine	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	n-Nitrosodiphenylamine	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	n-Nitrosomethylethylamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	n-Nitrosomorpholine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	n-Nitrosopiperidine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	n-Octadecane	No	µg/L	10/8/2009	10/8/2009	1	1	100	--	--	8.9	8.9	8.9	--	--	--	--	--	--
199-D4-84	O,O,O-Triethyl phosphorothioate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	o-Toluidine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D4-84	Parathion	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-D4-84	p-Dimethylaminoazobenzene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Pentachlorobenzene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Pentachloroethane	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Pentachloronitrobenzene (PCNB)	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Pentachlorophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-D4-84	Phenacetin	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Phenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Phorate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	p-Phenylenediamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Pronamide	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Pyridine	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Safrol	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	sym-Trinitrobenzene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Tetradecane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--

Table N-4. Summary Statistics of Additional Analytes at Monitoring Well 199-D4-84

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D4-84	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Total cresols	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Tributyl phosphate	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Tris-2-chloroethyl phosphate	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-D4-84	Acenaphthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Benzo(a)anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D4-84	Benzo(a)pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D4-84	Benzo(b)fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D4-84	Benzo(ghi)perylene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	--	--	--
199-D4-84	Benzo(k)fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D4-84	Chrysene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D4-84	Dibenz[a,h]anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D4-84	Fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D4-84	Fluorene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Indeno(1,2,3-cd)pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D4-84	Naphthalene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D4-84	Phenanthrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.049	0.049	--	--	--	--	--	--	--	--	--
199-D4-84	Pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

*Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310

Table N-5. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-13

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
PCBs by Method 8082																			
199-D5-13	Aroclor-1016	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Aroclor-1221	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Aroclor-1232	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Aroclor-1242	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Aroclor-1248	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Aroclor-1254	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Aroclor-1260	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Aroclor-1262	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Aroclor-1268	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-D5-13	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	1,2,4-Trichlorobenzene	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	1,2,4-Trimethylbenzene	No	µg/L	10/8/2009	10/8/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	1,2-Dichlorobenzene	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	1,3-Dichlorobenzene	No	µg/L	10/8/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	1,4-Dichlorobenzene	No	µg/L	10/8/2009	5/13/2010	4	0	0	0.12	1.0	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	1,4-Naphthoquinone	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	1-Naphthylamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	2,3,4,6-Tetrachlorophenol	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2,4,5-Trichlorophenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	2,4,6-Trichlorophenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	2,4-Dichlorophenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2,4-Dimethylphenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2,4-Dinitrophenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2,4-Dinitrotoluene	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	2,6-Dichlorophenol	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	2,6-Dinitrotoluene	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.60	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2-Acetylaminofluorene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.02	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2-Butoxyethanol	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.8	0.8	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-5. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-13

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-13	2-Chloronaphthalene	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2-Chlorophenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.5	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2-Methylnaphthalene	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.00	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2-Methylphenol (cresol, o-)	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2-Naphthylamine	No	µg/L	10/8/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2-Nitroaniline	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	2-Nitrophenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	2-Picoline	No	µg/L	10/8/2009	5/13/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-13	3,3'-Dichlorobenzidine	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	3,3'-Dimethylbenzidine	No	µg/L	3/22/2010	5/13/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.6	0.6	--	--	--	--	--	--	--	--	--
199-D5-13	3-Methylcholanthrene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	3-Nitroaniline	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	4,6-Dinitro-2-methylphenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	4-Aminobiphenyl	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	4-Bromophenylphenyl ether	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	4-Chloro-3-methylphenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	4-Chloroaniline	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	4-Chlorophenylphenyl ether	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	4-Methylphenol (cresol, p-)	No	µg/L	3/22/2010	5/13/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	4-Nitroaniline	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	4-Nitrophenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	4-Nitroquinoline-1-oxide	No	µg/L	3/22/2010	5/13/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-D5-13	5-Nitro-o-toluidine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Acenaphthylene	No	µg/L	3/22/2010	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	Acetophenone	No	µg/L	10/8/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--
199-D5-13	Aniline	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-5. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-13

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-13	Aramite	No	µg/L	3/22/2010	5/13/2010	2	0	0	20	20	--	--	--	--	--	--	0	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Azobenzene	No	µg/L	5/13/2010	5/13/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Benzoic acid	No	µg/L	10/8/2009	10/8/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Benzothiazole	No	µg/L	10/8/2009	10/8/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	Benzyl alcohol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.6	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Bis(2-Chloroethoxy)methane	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Bis(2-chloroethyl) ether	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Bis(2-ethylhexyl) phthalate	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Butylbenzylphthalate	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Carbazole	No	µg/L	10/8/2009	3/22/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Chlorobenzilate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Cyclohexanone	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.5	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Decane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-13	Diallate	No	µg/L	3/22/2010	5/13/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Dibenzofuran	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Dibutyl Butylphosphonate	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-D5-13	Diethylphthalate	No	µg/L	10/8/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Dimethoate	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Dimethyl phthalate	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Di-n-butylphthalate	No	µg/L	10/8/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Di-n-octylphthalate	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/22/2010	5/13/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-D5-13	Diphenylamine	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Disulfoton	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Dodecane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-13	Ethyl methanesulfonate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	Famphur	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-D5-13	Gamma-BHC (Lindane)	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism

Table N-5. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-13

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-13	Hexachlorobenzene	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.00028	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Hexachlorobutadiene	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Hexachlorocyclopentadiene	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Hexachloroethane	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Hexachlorophene	No	µg/L	3/22/2010	5/13/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Hexachloropropene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	Isodrin	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	Isophorone	No	µg/L	10/8/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-D5-13	Isosafrole	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D5-13	Kepone	No	µg/L	3/22/2010	5/13/2010	2	0	0	20	20	--	--	--	--	--	--	0.00042	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	m-Dinitrobenzene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Methapyrilene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D5-13	Methyl methanesulfonate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Methyl parathion	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Nitrobenzene	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.5	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Nitrosopyrrolidine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	n-Nitrosodiethylamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	n-Nitrosodimethylamine	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	n-Nitrosodi-n-butylamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	n-Nitrosodi-n-dipropylamine	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	n-Nitrosodiphenylamine	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	n-Nitrosomethylethylamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	n-Nitrosomorpholine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	n-Nitrosopiperidine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	O,O,O-Triethyl phosphorothioate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	o-Toluidine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-13	Parathion	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-D5-13	p-Dimethylaminoazobenzene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-5. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-13

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-13	Pentachlorobenzene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Pentachloroethane	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Pentachloronitrobenzene (PCNB)	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Pentachlorophenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-D5-13	Phenacetin	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Phenol	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Phorate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	p-Phenylenediamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Pronamide	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Pyridine	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Safrol	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	sym-Trinitrobenzene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Tetradecane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-13	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Total cresols	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Tributyl phosphate	No	µg/L	10/8/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Tris-2-chloroethyl phosphate	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-D5-13	Acenaphthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Benzo(a)anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-13	Benzo(a)pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-13	Benzo(b)fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-13	Benzo(ghi)perylene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	--	--	--
199-D5-13	Benzo(k)fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-13	Chrysene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-13	Dibenz[a,h]anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-13	Fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-13	Fluorene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-5. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-13

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-13	Indeno(1,2,3-cd)pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-13	Naphthalene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-13	Phenanthrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	--	--	--
199-D5-13	Pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Dioxin like PCB Congeners by Method 1668A																			
199-D5-15	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	8.50E-07	9.20E-07	7.30E-06	7.30E-06	7.30E-06	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	7.10E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.20E-07	6.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.30E-07	9.30E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.40E-07	9.60E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,4',5,6-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.60E-07	6.90E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,4',5-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.90E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.80E-07	7.10E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,4',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.10E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,4'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.80E-07	9.60E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.70E-07	9.90E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5,5',6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.60E-07	9.90E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5,5',6-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.60E-07	9.90E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5,5'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.10E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.70E-07	7.00E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.50E-07	6.80E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5,6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.10E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4',5,6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.80E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.40E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.70E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.40E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,5-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.20E-06	2.70E-06	2.45E-06	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,6,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.10E-07	8.00E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	6.20E-07	1.20E-06	1.20E-06	1.20E-06	1.20E-06	--	--	--	--	--	--
199-D5-15	2,2',3,3',4,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.60E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',4-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.70E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.10E-07	7.60E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',5,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.90E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.00E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',5,6,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.40E-07	8.40E-07	--	--	--	--	--	--	--	--	--

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	2,2',3,3',5,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.90E-07	2.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.40E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.60E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',6,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.00E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.40E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,3'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	5.10E-07	9.80E-07	1.50E-06	1.50E-06	1.50E-06	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',5,5',6-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.90E-07	8.80E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',5,5'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	4.60E-07	3.80E-05	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',5,6,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.00E-07	7.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',5,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.30E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',5,6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.40E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.40E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.20E-06	2.70E-06	2.45E-06	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',5-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.50E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',6,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.50E-07	8.70E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.50E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,4',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.50E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,4'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.60E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,5,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.40E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4',5,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	5.10E-07	9.80E-07	2.80E-06	2.80E-06	2.80E-06	--	--	--	--	--	--
199-D5-15	2,2',3,4,5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.70E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.20E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,5,6,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.40E-07	8.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4',5,6,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.70E-07	8.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4',5,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.70E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.30E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4',5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.20E-06	2.50E-06	2.35E-06	--	--	--	--	--	--
199-D5-15	2,2',3,4,5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.40E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4',5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.20E-06	2.50E-06	2.35E-06	--	--	--	--	--	--
199-D5-15	2,2',3,4,5,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.40E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.80E-07	3.80E-05	--	--	--	--	--	--	--	--	--

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	2,2',3,4,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.70E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.70E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3',4,5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.70E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,6,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.80E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4',6,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.70E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,6'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.20E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.70E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3',4,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.30E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.70E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.20E-07	9.90E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,4-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	5.10E-07	9.80E-07	1.50E-06	1.50E-06	1.50E-06	--	--	--	--	--	--
199-D5-15	2,2',3,5,5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.90E-07	2.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.50E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,5,6,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.80E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,5',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	5.80E-07	1.80E-06	3.40E-06	3.40E-06	3.40E-06	--	--	--	--	--	--
199-D5-15	2,2',3,5,6'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.20E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,5,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.50E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.30E-06	6.80E-06	4.55E-06	--	--	--	--	--	--
199-D5-15	2,2',3,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.80E-07	9.10E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,6,6'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.60E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,6'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.30E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',3,6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	5.30E-07	1.00E-06	2.40E-06	2.40E-06	2.40E-06	--	--	--	--	--	--
199-D5-15	2,2',3-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	7.70E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.60E-06	1.90E-06	1.75E-06	--	--	--	--	--	--
199-D5-15	2,2',4,4',5,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.60E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',4,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.60E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',4,4',6,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.60E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',4,4',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.50E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',4,4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	3	100	--	--	2.30E-06	1.40E-05	7.70E-06	--	--	--	--	--	--
199-D5-15	2,2',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.80E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',4,5,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.30E-07	1.60E-06	--	--	--	--	--	--	--	--	--

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	2,2',4,5',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.40E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',4,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	8.00E-07	3.80E-05	6.00E-07	6.00E-07	6.00E-07	--	--	--	--	--	--
199-D5-15	2,2',4,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.10E-07	9.70E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',4,6,6'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.10E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',4,6'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	5.30E-07	1.00E-06	2.40E-06	2.40E-06	2.40E-06	--	--	--	--	--	--
199-D5-15	2,2',4,6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.90E-07	9.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',4-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.40E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',5,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	9.40E-07	3.80E-05	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-D5-15	2,2',5,6'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.90E-07	9.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	1.60E-06	5.70E-05	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-D5-15	2,2',6,6'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	6.40E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2',6-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	7.90E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,2'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	6.20E-06	5.70E-05	1.40E-06	1.40E-06	1.40E-06	--	--	--	--	--	--
199-D5-15	2,3,3',4,4',5,5',6-Octachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.30E-07	5.30E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4,4',5,5'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.90E-07	5.70E-07	--	--	--	--	--	--	1.35E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	2,3,3',4,4',5,6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.20E-07	8.10E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4,4',5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.10E-07	8.00E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4,4',5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.90E-07	1.10E-06	--	--	--	--	--	--	6.54E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	2,3,3',4,4',5-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.90E-07	1.10E-06	--	--	--	--	--	--	6.37E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	2,3,3',4,4',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.90E-07	7.80E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4,4'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	2.60E-07	6.00E-07	1.50E-06	1.50E-06	1.50E-06	--	--	--	3.07E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	2,3,3',4,5,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.60E-07	8.90E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4',5,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	4.60E-07	3.80E-05	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-D5-15	2,3,3',4,5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.20E-07	8.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.10E-07	8.30E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4,5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.20E-06	2.70E-06	2.45E-06	--	--	--	--	--	--
199-D5-15	2,3,3',4',5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.20E-06	2.70E-06	2.45E-06	--	--	--	--	--	--
199-D5-15	2,3,3',4,5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.20E-07	8.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4',5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.40E-07	8.70E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2',3,3',4,5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.90E-07	6.90E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.60E-07	6.20E-07	--	--	--	--	--	--	--	--	--

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	2,3,3',4,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.80E-07	6.50E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4,5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.70E-07	6.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.70E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',4',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.30E-06	3.60E-06	2.95E-06	--	--	--	--	--	--
199-D5-15	2,3,3',4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	3.70E-07	7.10E-07	1.10E-06	1.10E-06	1.10E-06	--	--	--	--	--	--
199-D5-15	2,3,3',4-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.00E-07	7.60E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',5,5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.60E-07	9.20E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.90E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',5,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.20E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',5',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.80E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.80E-07	7.20E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.80E-07	7.20E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3',6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.60E-07	7.00E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,3'-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	2.90E-06	2.50E-06	--	--	--	--	--	--
199-D5-15	2,3',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.00E-07	6.00E-07	--	--	--	--	--	--	5.69E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	2,3,4,4',5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.80E-07	9.60E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3',4,4',5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.60E-06	1.90E-06	1.75E-06	--	--	--	--	--	--
199-D5-15	2,3,4,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.50E-07	5.70E-07	--	--	--	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	2',3,4,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.70E-07	6.50E-07	--	--	--	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	2,3',4,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.20E-06	2.40E-06	1.80E-06	--	--	--	3.71E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	2,3,4,4',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.30E-06	3.60E-06	2.95E-06	--	--	--	--	--	--
199-D5-15	2,3',4,4',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.70E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,4,4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.80E-07	7.30E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3',4,4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	6.90E-07	3.80E-05	8.00E-07	8.00E-07	8.00E-07	--	--	--	--	--	--
199-D5-15	2',3,4,5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.80E-07	6.50E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.00E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2',3,4,5,6'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.70E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,4,5,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.60E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,3',4,5',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.00E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,4',5,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.60E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,3',4,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	3.40E-07	3.80E-05	1.50E-06	1.50E-06	1.50E-06	--	--	--	--	--	--

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	2,3,4,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	3.40E-06	2.60E-06	--	--	--	--	--	--
199-D5-15	2',3,4,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	3.40E-06	2.60E-06	--	--	--	--	--	--
199-D5-15	2,3',4,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.40E-07	6.50E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,4',5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.50E-07	6.70E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3',4',5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	3.40E-06	2.60E-06	--	--	--	--	--	--
199-D5-15	2,3,4,6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.60E-07	7.00E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3',4,6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	8.00E-07	3.80E-05	6.00E-07	6.00E-07	6.00E-07	--	--	--	--	--	--
199-D5-15	2,3,4',6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	3.50E-07	6.60E-07	2.60E-06	2.60E-06	2.60E-06	--	--	--	--	--	--
199-D5-15	2,3',4',6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	5.10E-07	9.80E-07	1.50E-06	1.50E-06	1.50E-06	--	--	--	--	--	--
199-D5-15	2,3,4-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.30E-06	2.20E-06	1.75E-06	--	--	--	--	--	--
199-D5-15	2',3,4-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	3	100	--	--	1.30E-06	4.30E-06	2.60E-06	--	--	--	--	--	--
199-D5-15	2,3',4-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.00E-07	5.70E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,4'-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	7.40E-07	1.20E-06	9.70E-07	--	--	--	--	--	--
199-D5-15	2,3',5,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.70E-07	7.00E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,5,6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	3	100	--	--	2.30E-06	1.40E-05	7.70E-06	--	--	--	--	--	--
199-D5-15	2,3',5',6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.80E-07	9.10E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.30E-07	6.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2',3,5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.30E-07	6.30E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,3',5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.10E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,6-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	5.40E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,3',6-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	4.60E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,3'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.50E-06	3.80E-05	--	--	--	--	--	--	--	--	--
199-D5-15	2,3-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.60E-06	4.40E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,4,4',5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	3.40E-06	2.60E-06	--	--	--	--	--	--
199-D5-15	2,4,4',6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.60E-07	7.00E-07	--	--	--	--	--	--	--	--	--
199-D5-15	2,4,4'-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	2.90E-06	2.50E-06	--	--	--	--	--	--
199-D5-15	2,4,5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.10E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-D5-15	2,4',5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.20E-06	2.50E-06	2.35E-06	--	--	--	--	--	--
199-D5-15	2,4,6-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	1.60E-06	1.60E-06	2.30E-06	7.00E-06	4.65E-06	--	--	--	--	--	--
199-D5-15	2,4',6-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	1.30E-06	3.80E-05	1.10E-06	1.10E-06	1.10E-06	--	--	--	--	--	--
199-D5-15	2,4'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	5.70E-05	5.70E-05	2.70E-06	5.00E-06	3.85E-06	--	--	--	--	--	--

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	2,4-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	1.90E-06	1.90E-06	1.80E-06	7.00E-06	4.40E-06	--	--	--	--	--	--
199-D5-15	2,5-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.60E-06	4.30E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2,6-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.70E-06	4.60E-06	--	--	--	--	--	--	--	--	--
199-D5-15	2-Monochlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	1.60E-07	3.70E-07	3.70E-06	3.70E-06	3.70E-06	--	--	--	--	--	--
199-D5-15	3,3',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.90E-07	6.50E-07	--	--	--	--	--	--	1.78E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	3,3',4,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.60E-07	6.10E-07	--	--	--	--	--	--	6.92E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	3,3',4,4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.60E-07	6.60E-07	--	--	--	--	--	--	0.0067	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	3,3',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	2.70E-07	6.30E-07	--	--	--	--	--	--	--	--	--
199-D5-15	3,3',4,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.40E-07	6.50E-07	--	--	--	--	--	--	--	--	--
199-D5-15	3,3',4,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.90E-07	7.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	3,3',4-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.40E-07	6.50E-07	--	--	--	--	--	--	--	--	--
199-D5-15	3,3',5,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.30E-07	6.40E-07	--	--	--	--	--	--	--	--	--
199-D5-15	3,3',5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.20E-07	6.30E-07	--	--	--	--	--	--	--	--	--
199-D5-15	3,3'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	2	67	5.70E-05	5.70E-05	6.00E-06	1.40E-05	1.00E-05	--	--	--	--	--	--
199-D5-15	3,4,4',5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.50E-07	6.90E-07	--	--	--	--	--	--	6.13E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	3,4,4'-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	3.30E-07	3.80E-05	1.30E-06	1.30E-06	1.30E-06	--	--	--	--	--	--
199-D5-15	3,4,5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.40E-07	6.60E-07	--	--	--	--	--	--	--	--	--
199-D5-15	3,4',5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	3.00E-07	5.90E-07	--	--	--	--	--	--	--	--	--
199-D5-15	3,4'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	1.50E-06	2.50E-06	5.80E-06	5.80E-06	5.80E-06	--	--	--	--	--	--
199-D5-15	3,4-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	1.50E-06	2.50E-06	5.80E-06	5.80E-06	5.80E-06	--	--	--	--	--	--
199-D5-15	3,5-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.30E-06	3.60E-06	--	--	--	--	--	--	--	--	--
199-D5-15	3-Monochlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	1.90E-07	4.20E-07	5.50E-06	5.50E-06	5.50E-06	--	--	--	--	--	--
199-D5-15	4,4'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	1.60E-06	3.80E-05	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-D5-15	4-Monochlorobiphenyl	No	µg/L	10/7/2009	5/12/2010	3	1	33	4.80E-07	4.80E-07	7.70E-07	7.70E-07	7.70E-07	--	--	--	--	--	--
Pesticides by Method 8081																			
199-D5-15	4,4'-DDD (Dichlorodiphenyldichloroethane)	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.010	0.010	--	--	--	--	--	--	3.10E-04	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	4,4'-DDE (Dichlorodiphenyldichloroethylene)	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.020	0.020	--	--	--	--	--	--	2.20E-04	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	4,4'-DDT (Dichlorodiphenyltrichloroethane)	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.010	0.010	--	--	--	--	--	--	2.20E-04	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Aldrin	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.010	0.010	--	--	--	--	--	--	4.90E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Alpha-BHC	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.010	0.010	--	--	--	--	--	--	0.0026	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Alpha-Chlordane	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.020	0.020	--	--	--	--	--	--	5.70E-04	0	40 CFR 131 -- Human Health Water + Organism

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	0.0091	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Chlordane	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.04	0.04	--	--	--	--	--	--	5.70E-04	0	40 CFR 131 -- Human Health Water + Organism
199-D5-15	Delta-BHC	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	--	0	--
199-D5-15	Dieldrin	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	5.20E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Endosulfan I	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.02	0.02	--	--	--	--	--	--	0.056	0	Clean Water Act -- Freshwater CCC
199-D5-15	Endosulfan II	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	0.056	0	Clean Water Act -- Freshwater CCC
199-D5-15	Endosulfan sulfate	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	0.93	0	40 CFR 131 -- Human Health Water + Organism
199-D5-15	Endrin	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	0.0023	0	40 CFR 131 -- Freshwater CCC
199-D5-15	Endrin aldehyde	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	0.29	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Endrin ketone	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.02	0.02	--	--	--	--	--	--	--	0	--
199-D5-15	Gamma-BHC (Lindane)	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.003	0.003	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-D5-15	Heptachlor	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.003	0.003	--	--	--	--	--	--	7.90E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Heptachlor epoxide	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	3.90E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Methoxychlor	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	0.030	0	Clean Water Act -- Freshwater CCC
199-D5-15	Toxaphene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.66	0.66	--	--	--	--	--	--	2.00E-04	0	Clean Water Act -- Freshwater CCC
199-D5-15	trans-Chlordane	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	6.91E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
PCBs by Method 8082																			
199-D5-15	Aroclor-1016	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Aroclor-1221	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Aroclor-1232	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Aroclor-1242	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Aroclor-1248	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Aroclor-1254	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Aroclor-1260	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Aroclor-1262	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Aroclor-1268	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-D5-15	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	1,2,4-Trichlorobenzene	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	1,2,4-Trimethylbenzene	No	µg/L	10/7/2009	10/7/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	1,2-Dichlorobenzene	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	1,3-Dichlorobenzene	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	1,4-Dichlorobenzene	No	µg/L	10/7/2009	5/12/2010	4	0	0	0.12	1.0	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	1,4-Naphthoquinone	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	1-Naphthylamine	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	2,3,4,6-Tetrachlorophenol	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2,4,5-Trichlorophenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	2,4,6-Trichlorophenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	2,4-Dichlorophenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2,4-Dimethylphenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2,4-Dinitrophenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2,4-Dinitrotoluene	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	2,6-Dichlorophenol	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	2,6-Dinitrotoluene	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2-Acetylaminofluorene	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2-Butoxyethanol	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2-Chloronaphthalene	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2-Chlorophenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2-Methylnaphthalene	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2-Methylphenol (cresol, o-)	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2-Naphthylamine	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2-Nitroaniline	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	2-Nitrophenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	2-Picoline	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-15	3,3'-Dichlorobenzidine	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	3,3'-Dimethylbenzidine	No	µg/L	3/22/2010	5/12/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	--	--	--
199-D5-15	3-Methylcholanthrene	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	3-Nitroaniline	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	4,6-Dinitro-2-methylphenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	4-Aminobiphenyl	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	4-Bromophenylphenyl ether	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	4-Chloro-3-methylphenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	4-Chloroaniline	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	4-Chlorophenylphenyl ether	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	4-Methylphenol (cresol, p-)	No	µg/L	3/22/2010	5/12/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	4-Nitroaniline	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	4-Nitrophenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	4-Nitroquinoline-1-oxide	No	µg/L	3/22/2010	5/12/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-D5-15	5-Nitro-o-toluidine	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Acenaphthylene	No	µg/L	3/22/2010	5/12/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	Acetophenone	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/22/2010	5/12/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--
199-D5-15	Aniline	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Aramite	No	µg/L	3/22/2010	5/12/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Azobenzene	No	µg/L	5/12/2010	5/12/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Benzoic acid	No	µg/L	10/7/2009	10/7/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Benzothiazole	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-D5-15	Benzyl alcohol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Bis(2-Chloroethoxy)methane	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Bis(2-chloroethyl) ether	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Bis(2-ethylhexyl) phthalate	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Butylbenzylphthalate	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Carbazole	No	µg/L	10/7/2009	3/22/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Chlorobenzilate	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Cyclohexanone	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Decane	No	µg/L	10/7/2009	10/7/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-15	Diallate	No	µg/L	3/22/2010	5/12/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Dibenzofuran	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Dibutyl Butylphosphonate	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-D5-15	Diethylphthalate	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	Dimethoate	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Dimethyl phthalate	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Di-n-butylphthalate	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Di-n-octylphthalate	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/22/2010	5/12/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-D5-15	Diphenylamine	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Disulfoton	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Dodecane	No	µg/L	10/7/2009	10/7/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-15	Ethyl methanesulfonate	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	Famphur	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-D5-15	Hexachlorobenzene	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Hexachlorobutadiene	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Hexachlorocyclopentadiene	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Hexachloroethane	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Hexachlorophene	No	µg/L	3/22/2010	5/12/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Hexachloropropene	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	Isodrin	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	Isophorone	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-D5-15	Isosafrole	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D5-15	Kepone	No	µg/L	3/22/2010	5/12/2010	2	0	0	20	20	--	--	--	--	--	--	4.18E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	m-Dinitrobenzene	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Methapyrilene	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D5-15	Methyl methanesulfonate	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Methyl parathion	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Nitrobenzene	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Nitrosopyrrolidine	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	n-Nitrosodiethylamine	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	n-Nitrosodimethylamine	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	n-Nitrosodi-n-butylamine	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	n-Nitrosodi-n-dipropylamine	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	n-Nitrosodiphenylamine	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	n-Nitrosomethylethylamine	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	n-Nitrosomorpholine	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	n-Nitrosopiperidine	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	O,O,O-Triethyl phosphorothioate	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	o-Toluidine	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-15	Parathion	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-D5-15	p-Dimethylaminoazobenzene	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Pentachlorobenzene	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Pentachloroethane	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Pentachloronitrobenzene (PCNB)	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Pentachlorophenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-D5-15	Phenacetin	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Phenol	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Phorate	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	p-Phenylenediamine	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Pronamide	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Pyridine	No	µg/L	10/7/2009	5/12/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Safrol	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	sym-Trinitrobenzene	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Tetradecane	No	µg/L	10/7/2009	10/7/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-15	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/22/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Total cresols	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Tributyl phosphate	No	µg/L	10/7/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Tris-2-chloroethyl phosphate	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-D5-15	Acenaphthene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Anthracene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Benzo(a)anthracene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-15	Benzo(a)pyrene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-15	Benzo(b)fluoranthene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.08	0.08	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism

Table N-6. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-15

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-15	Benzo(ghi)perylene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.08	0.08	--	--	--	--	--	--	--	--	--
199-D5-15	Benzo(k)fluoranthene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.04	0.04	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-15	Chrysene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-15	Dibenz[a,h]anthracene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-15	Fluoranthene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.08	0.08	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-15	Fluorene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.08	0.08	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Indeno(1,2,3-cd)pyrene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.04	0.04	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-15	Naphthalene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.4	0.4	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-15	Phenanthrene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	--	--	--
199-D5-15	Pyrene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310.

Table N-7. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-17

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
PCBs by Method 8082																			
199-D5-17	Aroclor-1016	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Aroclor-1221	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Aroclor-1232	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Aroclor-1242	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Aroclor-1248	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Aroclor-1254	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Aroclor-1260	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Aroclor-1262	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Aroclor-1268	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-D5-17	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	1,2,4-Trichlorobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	1,2,4-Trimethylbenzene	No	µg/L	10/7/2009	10/7/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	1,2-Dichlorobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	1,3-Dichlorobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	1,4-Dichlorobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.12	1.0	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	1,4-Naphthoquinone	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	1-Naphthylamine	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	2,3,4,6-Tetrachlorophenol	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2,4,5-Trichlorophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.5	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	2,4,6-Trichlorophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	2,4-Dichlorophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2,4-Dimethylphenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2,4-Dinitrophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-7. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-17

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-17	2,4-Dinitrotoluene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	2,6-Dichlorophenol	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	2,6-Dinitrotoluene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.6	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2-Acetylaminofluorene	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2-Butoxyethanol	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.8	0.8	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2-Chloronaphthalene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2-Chlorophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2-Methylnaphthalene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2-Methylphenol (cresol, o-)	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2-Naphthylamine	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2-Nitroaniline	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	2-Nitrophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	2-Picoline	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-17	3,3'-Dichlorobenzidine	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.6	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	3,3'-Dimethylbenzidine	No	µg/L	3/23/2010	5/13/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	--	--	--
199-D5-17	3-Methylcholanthrene	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	3-Nitroaniline	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.5	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	4,6-Dinitro-2-methylphenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	4-Aminobiphenyl	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	4-Bromophenylphenyl ether	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.5	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	4-Chloro-3-methylphenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	4-Chloroaniline	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	4-Chlorophenylphenyl ether	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	4-Methylphenol (cresol, p-)	No	µg/L	3/23/2010	5/13/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	4-Nitroaniline	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	4-Nitrophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	4-Nitroquinoline-1-oxide	No	µg/L	3/23/2010	5/13/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-D5-17	5-Nitro-o-toluidine	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-7. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-17

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-17	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Acenaphthylene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	Acetophenone	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/23/2010	5/13/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--
199-D5-17	Aniline	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Aramite	No	µg/L	3/23/2010	5/13/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Azobenzene	No	µg/L	5/13/2010	5/13/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Benzoic acid	No	µg/L	10/7/2009	10/7/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64,000.	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Benzothiazole	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-D5-17	Benzyl alcohol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	063	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Bis(2-Chloroethoxy)methane	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Bis(2-chloroethyl) ether	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Bis(2-ethylhexyl) phthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Butylbenzylphthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Carbazole	No	µg/L	10/7/2009	3/23/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Chlorobenzilate	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Cyclohexanone	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.6	0.6	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Decane	No	µg/L	10/7/2009	10/7/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-17	Diallate	No	µg/L	3/23/2010	5/13/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Dibenzofuran	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Dibutyl Butylphosphonate	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-D5-17	Diethylphthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Dimethoate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Dimethyl phthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Di-n-butylphthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Di-n-octylphthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--

Table N-7. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-17

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-17	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/23/2010	5/13/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-D5-17	Diphenylamine	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Disulfoton	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Dodecane	No	µg/L	10/7/2009	10/7/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-17	Ethyl methanesulfonate	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	Famphur	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-D5-17	Gamma-BHC (Lindane)	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-D5-17	Hexachlorobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Hexachlorobutadiene	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Hexachlorocyclopentadiene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Hexachloroethane	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Hexachlorophene	No	µg/L	3/23/2010	5/13/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Hexachloropropene	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	Isodrin	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	Isophorone	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-D5-17	Isosafrole	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D5-17	Kepone	No	µg/L	3/23/2010	5/13/2010	2	0	0	20	20	--	--	--	--	--	--	0.00042	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	m-Dinitrobenzene	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Methapyrilene	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D5-17	Methyl methanesulfonate	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Methyl parathion	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Nitrobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Nitrosopyrrolidine	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	n-Nitrosodiethylamine	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	n-Nitrosodimethylamine	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism

Table N-7. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-17

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-17	n-Nitrosodi-n-butylamine	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	n-Nitrosodi-n-dipropylamine	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	n-Nitrosodiphenylamine	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	n-Nitrosomethylethylamine	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	n-Nitrosomorpholine	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	n-Nitrosopiperidine	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	O,O,O-Triethyl phosphorothioate	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	o-Toluidine	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D5-17	Parathion	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-D5-17	p-Dimethylaminoazobenzene	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Pentachlorobenzene	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Pentachloroethane	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Pentachloronitrobenzene (PCNB)	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Pentachlorophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-D5-17	Phenacetin	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Phenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Phorate	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	p-Phenylenediamine	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Pronamide	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Pyridine	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Safrol	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	sym-Trinitrobenzene	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Tetradecane	No	µg/L	10/7/2009	10/7/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D5-17	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/23/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)

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Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-17	Total cresols	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Tributyl phosphate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Tris-2-chloroethyl phosphate	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-D5-17	Acenaphthene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Anthracene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Benzo(a)anthracene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-17	Benzo(a)pyrene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-17	Benzo(b)fluoranthene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-17	Benzo(ghi)perylene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	--	--	--
199-D5-17	Benzo(k)fluoranthene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-17	Chrysene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-17	Dibenz[a,h]anthracene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-17	Fluoranthene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-17	Fluorene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Indeno(1,2,3-cd)pyrene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-17	Naphthalene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-17	Phenanthrene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	--	--	--
199-D5-17	Pyrene	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310.

Table N-8. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-99

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
PCBs by Method 8082																			
199-D5-99	Aroclor-1016	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Aroclor-1221	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Aroclor-1232	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Aroclor-1242	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Aroclor-1248	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Aroclor-1254	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Aroclor-1260	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Aroclor-1262	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Aroclor-1268	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-D5-99	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	1,2,4-Trichlorobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.7	1	--	--	--	--	--	--	--	--	--
199-D5-99	1,2,4-Trimethylbenzene	No	µg/L	10/8/2009	10/8/2009	1	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	1,2-Dichlorobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.9	1	--	--	--	--	--	--	--	--	--
199-D5-99	1,3-Dichlorobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	1,4-Dichlorobenzene	No	µg/L	10/8/2009	5/12/2010	5	0	0	0.12	1	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	1,4-Naphthoquinone	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	1-Naphthylamine	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	2,3,4,6-Tetrachlorophenol	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2,4,5-Trichlorophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	2,4,6-Trichlorophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	2,4-Dichlorophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2,4-Dimethylphenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2,4-Dinitrophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	2	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-8. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-99

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-99	2,4-Dinitrotoluene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	2,6-Dichlorophenol	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	2,6-Dinitrotoluene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2-Acetylaminofluorene	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2-Butoxyethanol	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.8	0.8	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2-Chloronaphthalene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.8	1	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2-Chlorophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2-Methylnaphthalene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2-Methylphenol (cresol, o-)	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.8	1	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2-Naphthylamine	No	µg/L	10/8/2009	5/12/2010	3	0	0	1	1	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2-Nitroaniline	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	2-Nitrophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	--	--	--
199-D5-99	2-Picoline	No	µg/L	10/8/2009	5/12/2010	3	0	0	1	2	--	--	--	--	--	--	--	--	--
199-D5-99	3,3'-Dichlorobenzidine	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	1	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	3,3'-Dimethylbenzidine	No	µg/L	3/23/2010	5/12/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.6	0.6	--	--	--	--	--	--	--	--	--
199-D5-99	3-Methylcholanthrene	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	3-Nitroaniline	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	4,6-Dinitro-2-methylphenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.7	1	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	4-Aminobiphenyl	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	4-Bromophenylphenyl ether	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	--	--	--
199-D5-99	4-Chloro-3-methylphenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	4-Chloroaniline	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	1	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	4-Chlorophenylphenyl ether	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	--	--	--
199-D5-99	4-Methylphenol (cresol, p-)	No	µg/L	3/23/2010	5/12/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	4-Nitroaniline	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	4-Nitrophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	2	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	4-Nitroquinoline-1-oxide	No	µg/L	3/23/2010	5/12/2010	2	0	0	5	5	--	--	--	--	--	--	--	--	--
199-D5-99	5-Nitro-o-toluidine	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-8. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-99

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-99	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Acenaphthylene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	1	--	--	--	--	--	--	--	--	--
199-D5-99	Acetophenone	No	µg/L	10/8/2009	5/12/2010	3	0	0	1	1	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/23/2010	5/12/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--
199-D5-99	Aniline	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Aramite	No	µg/L	3/23/2010	5/12/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Azobenzene	No	µg/L	5/12/2010	5/12/2010	1	0	0	1	1	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Benzoic acid	No	µg/L	10/8/2009	10/8/2009	1	0	0	5	5	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Benzothiazole	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	--	--	--
199-D5-99	Benzyl alcohol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	1	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Bis(2-Chloroethoxy)methane	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Bis(2-chloroethyl) ether	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	1	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Bis(2-ethylhexyl) phthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.8	1	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Bromacil (ACN)	No	µg/L	10/8/2009	10/8/2009	1	1	100	--	--	8.4	8.4	8.4	--	--	--	--	--	--
199-D5-99	Butylbenzylphthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Carbazole	No	µg/L	10/8/2009	3/23/2010	3	0	0	0.5	1	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Chlorobenzilate	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Cyclohexanone	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Decane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2	2	--	--	--	--	--	--	--	--	--
199-D5-99	Diallate	No	µg/L	3/23/2010	5/12/2010	2	0	0	2	2	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Dibenzofuran	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Dibutyl Butylphosphonate	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	--	--	--
199-D5-99	Diethylphthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	1	1	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Dimethoate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Dimethyl phthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Di-n-butylphthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	1	1	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-8. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-99

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-99	Di-n-octylphthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.9	1	--	--	--	--	--	--	--	--	--
199-D5-99	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/23/2010	5/12/2010	2	0	0	2	2	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-D5-99	Diphenylamine	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Disulfoton	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Dodecane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2	2	--	--	--	--	--	--	--	--	--
199-D5-99	Ethyl methanesulfonate	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	Famphur	No	µg/L	3/23/2010	5/12/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-D5-99	Gamma-BHC (Lindane)	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.7	0.7	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-D5-99	Hexachlorobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	1	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Hexachlorobutadiene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.9	1	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Hexachlorocyclopentadiene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.8	1	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Hexachloroethane	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.8	1	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Hexachlorophene	No	µg/L	3/23/2010	5/12/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Hexachloropropene	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	Isodrin	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	Isophorone	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-D5-99	Isosafrole	No	µg/L	3/23/2010	5/12/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D5-99	Kepone	No	µg/L	3/23/2010	5/12/2010	2	0	0	20	20	--	--	--	--	--	--	4.18E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	m-Dinitrobenzene	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Methapyrilene	No	µg/L	3/23/2010	5/12/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D5-99	Methyl methanesulfonate	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Methyl parathion	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Nitrobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Nitrosopyrrolidine	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	n-Nitrosodiethylamine	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	n-Nitrosodimethylamine	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	2	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism

Table N-8. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-99

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-99	n-Nitrosodi-n-butylamine	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	n-Nitrosodi-n-dipropylamine	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	n-Nitrosodiphenylamine	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	n-Nitrosomethylethylamine	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	n-Nitrosomorpholine	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	n-Nitrosopiperidine	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	O,O,O-Triethyl phosphorothioate	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	o-Toluidine	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D5-99	Parathion	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-D5-99	p-Dimethylaminoazobenzene	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Pentachlorobenzene	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Pentachloroethane	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Pentachloronitrobenzene (PCNB)	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Pentachlorophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-D5-99	Phenacetin	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Phenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.9	2	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Phorate	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	p-Phenylenediamine	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Pronamide	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Pyridine	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.9	2	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Safrol	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	sym-Trinitrobenzene	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Tetradecane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2	2	--	--	--	--	--	--	--	--	--
199-D5-99	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/23/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Total cresols	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-8. Summary Statistics of Additional Analytes at Monitoring Well 199-D5-99

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D5-99	Tributyl phosphate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Tris-2-chloroethyl phosphate	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-D5-99	Acenaphthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.4	0.4	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.04	0.04	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Benzo(a)anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-99	Benzo(a)pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-99	Benzo(b)fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.08	0.08	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-99	Benzo(ghi)perylene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.08	0.08	--	--	--	--	--	--	--	--	--
199-D5-99	Benzo(k)fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.04	0.04	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-99	Chrysene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-99	Dibenz[a,h]anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-99	Fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.08	0.08	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D5-99	Fluorene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.08	0.08	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Indeno(1,2,3-cd)pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.04	0.04	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D5-99	Naphthalene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.4	0.4	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D5-99	Phenanthrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.04	0.04	--	--	--	--	--	--	--	--	--
199-D5-99	Pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Dioxin-like PCB Congeners by Method 1668A																			
199-D8-55	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	6.60E-07	6.70E-07	5.40E-06	5.40E-06	5.40E-06	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	9.60E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.30E-07	5.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.70E-07	7.40E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.00E-07	8.30E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,4',5,6-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.40E-07	5.60E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,4',5-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.70E-07	8.40E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.50E-07	6.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,4',6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	9.90E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,4'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	8.00E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.80E-07	8.10E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,5,5',6'-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.10E-07	8.60E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,5,5',6-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.10E-07	8.60E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,5,5'-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	9.80E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.50E-07	6.10E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.40E-07	5.90E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,5,6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	9.90E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4',5,6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.50E-07	9.40E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,5',6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	8.80E-07	--	--	--	--	--	--	--	--	--

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	2,2',3,3',4,5,6'-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.40E-07	9.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.10E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,5-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.00E-06	2.60E-06	2.30E-06	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,6,6'-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.80E-07	6.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	8.10E-07	1.00E-06	6.50E-07	6.50E-07	6.50E-07	--	--	--	--	--	--
199-D8-55	2,2',3,3',4,6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.10E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',4-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.80E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.60E-07	6.60E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',5,5',6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.50E-07	9.50E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',5,5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.90E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',5,6,6'-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.90E-07	7.10E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',5,6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.50E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',5,6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.10E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.20E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',6,6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3',6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.60E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,3'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	7.20E-07	8.00E-07	8.00E-07	8.00E-07	8.00E-07	--	--	--	--	--	--
199-D8-55	2,2',3,4,4',5,5',6-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.90E-07	7.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,4',5,5'-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	7.50E-07	3.80E-05	9.10E-07	9.10E-07	9.10E-07	--	--	--	--	--	--
199-D8-55	2,2',3,4,4',5,6,6'-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.60E-07	6.50E-07	--	--	--	--	--	--	--	--	--

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	2,2',3,4,4',5,6'-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	8.60E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,4',5,6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	8.80E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,4',5',6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	8.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,4',5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.00E-06	2.60E-06	2.30E-06	--	--	--	--	--	--
199-D8-55	2,2',3,4,4',5-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	9.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,4',6,6'-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.90E-07	7.30E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,4',6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	9.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,4',6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	9.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,4'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,5,5',6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	8.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4',5,5',6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.50E-07	8.20E-07	1.00E-06	1.00E-06	1.00E-06	--	--	--	--	--	--
199-D8-55	2,2',3,4,5,5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	7.40E-07	9.60E-07	4.80E-07	4.80E-07	4.80E-07	--	--	--	--	--	--
199-D8-55	2,2',3,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.50E-07	8.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,5,6,6'-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.90E-07	7.10E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4',5,6,6'-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.70E-07	7.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4',5,6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.40E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,5,6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4',5,6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	1.90E-06	1.90E-06	--	--	--	--	--	--
199-D8-55	2,2',3,4,5',6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.20E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4',5',6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	1.90E-06	1.90E-06	--	--	--	--	--	--

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	2,2',3,4,5,6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.10E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4',5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.20E-06	4.80E-06	3.50E-06	--	--	--	--	--	--
199-D8-55	2,2',3,4,5'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.20E-07	1.20E-06	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-D8-55	2,2',3,4,5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.20E-07	1.20E-06	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-D8-55	2,2',3',4,5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.20E-07	1.20E-06	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-D8-55	2,2',3,4,6,6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.40E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4',6,6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.40E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,6'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.50E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4,6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.20E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3',4,6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.00E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4',6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.20E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	8.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,4-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	7.20E-07	8.00E-07	8.00E-07	8.00E-07	8.00E-07	--	--	--	--	--	--
199-D8-55	2,2',3,5,5',6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.50E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,5,5'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.10E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,5,6,6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.40E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,5',6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	1.50E-06	1.50E-06	1.60E-06	2.60E-06	2.10E-06	--	--	--	--	--	--
199-D8-55	2,2',3,5,6'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.50E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,5,6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.10E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,5'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	3.80E-06	7.60E-06	5.70E-06	--	--	--	--	--	--
199-D8-55	2,2',3,5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.40E-07	7.50E-07	--	--	--	--	--	--	--	--	--

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	2,2',3,6,6'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,6'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.10E-07	9.80E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',3,6-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	8.30E-07	8.30E-07	8.00E-07	1.40E-06	1.10E-06	--	--	--	--	--	--
199-D8-55	2,2',3-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	4.20E-07	1.90E-06	2.00E-06	2.00E-06	2.00E-06	--	--	--	--	--	--
199-D8-55	2,2',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	2.20E-06	2.00E-06	--	--	--	--	--	--
199-D8-55	2,2',4,4',5,6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.80E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',4,4',5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.20E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',4,4',6,6'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',4,4',6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.10E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',4,4'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	3.80E-06	7.60E-06	5.70E-06	--	--	--	--	--	--
199-D8-55	2,2',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.20E-06	4.80E-06	3.50E-06	--	--	--	--	--	--
199-D8-55	2,2',4,5,6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.00E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',4,5',6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.10E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',4,5'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	8.50E-07	1.60E-06	1.23E-06	--	--	--	--	--	--
199-D8-55	2,2',4,5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.50E-07	8.00E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',4,6,6'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',4,6'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	8.30E-07	8.30E-07	8.00E-07	1.40E-06	1.10E-06	--	--	--	--	--	--
199-D8-55	2,2',4,6-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.40E-07	7.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',4-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	1.60E-06	3.80E-05	7.70E-07	7.70E-07	7.70E-07	--	--	--	--	--	--
199-D8-55	2,2',5,5'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.40E-06	3.20E-06	2.80E-06	--	--	--	--	--	--
199-D8-55	2,2',5,6'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.40E-07	7.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',5-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	1.40E-06	5.70E-05	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-D8-55	2,2',6,6'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	3.20E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2',6-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	4.20E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,2'-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	5.70E-05	5.70E-05	1.80E-06	2.60E-06	2.20E-06	--	--	--	--	--	--

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	2,3,3',4,4',5,5',6-Octachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.10E-07	4.40E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4,4',5,5'-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.10E-07	4.80E-07	--	--	--	--	--	--	1.35E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	2,3,3',4,4',5,6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.80E-07	6.80E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4,4',5',6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.80E-07	6.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4,4',5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.80E-07	8.90E-07	--	--	--	--	--	--	6.54E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	2,3,3',4,4',5-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.80E-07	8.90E-07	--	--	--	--	--	--	6.37E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	2,3,3',4,4',6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.90E-07	6.50E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4,4'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	5.00E-07	5.00E-07	5.80E-07	9.20E-07	7.50E-07	--	--	--	3.07E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	2,3,3',4,5,5',6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.00E-07	7.50E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4',5,5',6-Heptachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	7.50E-07	3.80E-05	9.10E-07	9.10E-07	9.10E-07	--	--	--	--	--	--
199-D8-55	2,3,3',4,5,5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.00E-07	7.00E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4',5,5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.00E-07	6.90E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4,5,6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.00E-06	2.60E-06	2.30E-06	--	--	--	--	--	--
199-D8-55	2,3,3',4',5,6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.00E-06	2.60E-06	2.30E-06	--	--	--	--	--	--
199-D8-55	2,3,3',4,5',6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.00E-07	7.00E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4',5',6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.10E-07	7.30E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2',3,3',4,5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.30E-07	5.80E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4',5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.10E-07	5.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4,5'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.20E-07	5.50E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',4,5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.20E-07	5.40E-07	--	--	--	--	--	--	--	--	--

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	2,3,3',4,6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.20E-07	1.20E-06	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-D8-55	2,3,3',4',6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	4.40E-06	3.15E-06	--	--	--	--	--	--
199-D8-55	2,3,3',4'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.20E-07	5.90E-07	2.80E-07	2.80E-07	2.80E-07	--	--	--	--	--	--
199-D8-55	2,3,3',4-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.00E-07	6.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',5,5',6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.20E-07	7.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',5,5'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.20E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',5,6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.40E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',5',6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.20E-06	4.80E-06	3.50E-06	--	--	--	--	--	--
199-D8-55	2,3,3',5'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.90E-07	5.90E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.90E-07	5.90E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3',6-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.80E-07	5.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,3'-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	2.80E-06	2.35E-06	--	--	--	--	--	--
199-D8-55	2,3',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.40E-07	5.40E-07	--	--	--	--	--	--	5.69E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	2,3,4,4',5,6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	8.00E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3',4,4',5',6-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	2.20E-06	2.00E-06	--	--	--	--	--	--
199-D8-55	2,3,4,4',5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.10E-07	5.00E-07	--	--	--	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	2',3,4,4',5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.20E-07	5.50E-07	--	--	--	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	2,3',4,4',5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	9.90E-07	1.50E-06	1.25E-06	--	--	--	3.71E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	2,3,4,4',6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	4.40E-06	3.15E-06	--	--	--	--	--	--
199-D8-55	2,3',4,4',6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.20E-07	1.20E-06	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-D8-55	2,3,4,4'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.90E-07	6.00E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3',4,4'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.70E-07	3.80E-05	5.40E-07	5.40E-07	5.40E-07	--	--	--	--	--	--
199-D8-55	2',3,4,5,5'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.20E-07	5.50E-07	--	--	--	--	--	--	--	--	--

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	2,3',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2',3,4,5,6'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.20E-07	1.20E-06	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-D8-55	2,3,4,5,6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,3',4,5',6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.30E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,4',5,6-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.60E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2',3,4,5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	2.60E-06	2.20E-06	--	--	--	--	--	--
199-D8-55	2,3',4,5'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	4.80E-07	4.80E-07	6.40E-07	3.00E-06	1.82E-06	--	--	--	--	--	--
199-D8-55	2,3,4,5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	2.60E-06	2.20E-06	--	--	--	--	--	--
199-D8-55	2,3',4,5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.70E-07	5.30E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,4',5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.70E-07	5.50E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3',4',5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	2.60E-06	2.20E-06	--	--	--	--	--	--
199-D8-55	2,3,4,6-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.80E-07	5.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3',4,6-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	8.50E-07	1.60E-06	1.23E-06	--	--	--	--	--	--
199-D8-55	2,3,4',6-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	3	100	--	--	5.90E-07	1.80E-06	1.16E-06	--	--	--	--	--	--
199-D8-55	2,3',4',6-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	7.20E-07	8.00E-07	8.00E-07	8.00E-07	8.00E-07	--	--	--	--	--	--
199-D8-55	2,3',4-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.20E-07	5.10E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,4'-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	6.70E-07	1.20E-06	9.35E-07	--	--	--	--	--	--
199-D8-55	2,3,4-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.30E-06	2.20E-06	1.75E-06	--	--	--	--	--	--
199-D8-55	2',3,4-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.30E-06	2.20E-06	1.75E-06	--	--	--	--	--	--
199-D8-55	2,3',5,5'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.80E-07	5.80E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,5,6-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	3.80E-06	7.60E-06	5.70E-06	--	--	--	--	--	--
199-D8-55	2,3',5',6-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.40E-07	7.50E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,5-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.30E-07	5.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2',3,5-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.30E-07	5.60E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,3',5-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.00E-07	5.40E-07	3.30E-07	3.30E-07	3.30E-07	--	--	--	--	--	--
199-D8-55	2,3,6-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.90E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,3',6-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	2.50E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2,3'-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	8.50E-07	2.40E-06	1.63E-06	--	--	--	--	--	--

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	2,3-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	7.80E-07	7.80E-07	8.90E-07	1.50E-06	1.20E-06	--	--	--	--	--	--
199-D8-55	2,4,4',5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	2.60E-06	2.20E-06	--	--	--	--	--	--
199-D8-55	2,4,4',6-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.80E-07	5.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	2,4,4'-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	2.80E-06	2.35E-06	--	--	--	--	--	--
199-D8-55	2,4,5-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	5.00E-07	5.40E-07	3.30E-07	3.30E-07	3.30E-07	--	--	--	--	--	--
199-D8-55	2,4',5-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	2.40E-06	3.30E-06	2.85E-06	--	--	--	--	--	--
199-D8-55	2,4,6-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	1.40E-06	5.70E-05	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-D8-55	2,4',6-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	1.10E-06	3.80E-05	8.10E-07	8.10E-07	8.10E-07	--	--	--	--	--	--
199-D8-55	2,4'-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	5.70E-05	5.70E-05	2.80E-06	7.10E-06	4.95E-06	--	--	--	--	--	--
199-D8-55	2,4-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	1.90E-06	1.90E-06	3.00E-06	5.70E-06	4.35E-06	--	--	--	--	--	--
199-D8-55	2,5-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.50E-06	3.50E-06	3.60E-07	1.50E-06	9.30E-07	--	--	--	--	--	--
199-D8-55	2,6-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	8.10E-07	3.70E-06	--	--	--	--	--	--	--	--	--
199-D8-55	2-Monochlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	2.50E-07	2.50E-07	1.00E-06	2.50E-06	1.75E-06	--	--	--	--	--	--
199-D8-55	3,3',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.40E-07	5.20E-07	--	--	--	--	--	--	1.78E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	3,3',4,4',5-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.10E-07	5.10E-07	--	--	--	--	--	--	6.92E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	3,3',4,4'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.80E-07	5.40E-07	--	--	--	--	--	--	0.0067	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	3,3',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.20E-07	5.30E-07	--	--	--	--	--	--	--	--	--
199-D8-55	3,3',4,5'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.70E-07	5.40E-07	--	--	--	--	--	--	--	--	--
199-D8-55	3,3',4,5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.90E-07	6.10E-07	--	--	--	--	--	--	--	--	--
199-D8-55	3,3',4-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.30E-07	5.70E-07	--	--	--	--	--	--	--	--	--
199-D8-55	3,3',5,5'-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.70E-07	5.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	3,3',5-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.30E-07	5.50E-07	--	--	--	--	--	--	--	--	--
199-D8-55	3,3'-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	5.70E-05	5.70E-05	8.60E-06	1.50E-05	1.18E-05	--	--	--	--	--	--
199-D8-55	3,4,4',5-Tetrachlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.70E-07	5.70E-07	--	--	--	--	--	--	6.13E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	3,4,4'-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	5.70E-07	5.70E-07	5.10E-07	1.20E-06	8.55E-07	--	--	--	--	--	--
199-D8-55	3,4,5-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.40E-07	5.80E-07	--	--	--	--	--	--	--	--	--
199-D8-55	3,4',5-Trichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.20E-07	5.20E-07	--	--	--	--	--	--	--	--	--
199-D8-55	3,4'-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	7.40E-07	1.90E-06	4.90E-06	4.90E-06	4.90E-06	--	--	--	--	--	--
199-D8-55	3,4-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	1	33	7.40E-07	1.90E-06	4.90E-06	4.90E-06	4.90E-06	--	--	--	--	--	--

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	3,5-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	0	0	6.30E-07	2.90E-06	--	--	--	--	--	--	--	--	--
199-D8-55	3-Monochlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.00E-07	3.00E-07	8.80E-07	4.60E-06	2.74E-06	--	--	--	--	--	--
199-D8-55	4,4'-Dichlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.80E-05	3.80E-05	1.20E-06	4.40E-06	2.80E-06	--	--	--	--	--	--
199-D8-55	4-Monochlorobiphenyl	No	µg/L	10/8/2009	5/12/2010	3	2	67	3.70E-07	3.70E-07	8.50E-07	3.30E-06	2.08E-06	--	--	--	--	--	--
PCBs by Method 8082																			
199-D8-55	Aroclor-1016	No	µg/L	10/8/2009	5/12/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Aroclor-1221	No	µg/L	10/8/2009	5/12/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Aroclor-1232	No	µg/L	10/8/2009	5/12/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Aroclor-1242	No	µg/L	10/8/2009	5/12/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Aroclor-1248	No	µg/L	10/8/2009	5/12/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Aroclor-1254	No	µg/L	10/8/2009	5/12/2010	2	0	0	0.084	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Aroclor-1260	No	µg/L	10/8/2009	5/12/2010	2	0	0	0.084	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Aroclor-1262	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Aroclor-1268	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-D8-55	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-55	1,2,4-Trichlorobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	--	--	--
199-D8-55	1,2,4-Trimethylbenzene	No	µg/L	10/8/2009	10/8/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-55	1,2-Dichlorobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-D8-55	1,3-Dichlorobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-55	1,4-Dichlorobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.12	0.90	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	1,4-Naphthoquinone	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-55	1-Naphthylamine	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-55	2,3,4,6-Tetrachlorophenol	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2,4,5-Trichlorophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	2,4,6-Trichlorophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	2,4-Dichlorophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2,4-Dimethylphenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2,4-Dinitrophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2,4-Dinitrotoluene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	2,6-Dichlorophenol	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-55	2,6-Dinitrotoluene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.60	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2-Acetylaminofluorene	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2-Butoxyethanol	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2-Chloronaphthalene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2-Chlorophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2-Methylnaphthalene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2-Methylphenol (cresol, o-)	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2-Naphthylamine	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2-Nitroaniline	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	2-Nitrophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D8-55	2-Picoline	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	--	--	--
199-D8-55	3,3'-Dichlorobenzidine	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	3,3'-Dimethylbenzidine	No	µg/L	3/24/2010	5/12/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-D8-55	3-Methylcholanthrene	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	3-Nitroaniline	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	4,6-Dinitro-2-methylphenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	4-Aminobiphenyl	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	4-Bromophenylphenyl ether	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D8-55	4-Chloro-3-methylphenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	4-Chloroaniline	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	4-Chlorophenylphenyl ether	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	4-Methylphenol (cresol, p-)	No	µg/L	3/24/2010	5/12/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	4-Nitroaniline	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	4-Nitrophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	4-Nitroquinoline-1-oxide	No	µg/L	3/24/2010	5/12/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-D8-55	5-Nitro-o-toluidine	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Acetophenone	No	µg/L	10/8/2009	5/12/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/24/2010	5/12/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--
199-D8-55	Aniline	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Aramite	No	µg/L	3/24/2010	5/12/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Azobenzene	No	µg/L	5/12/2010	5/12/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Benzoic acid	No	µg/L	10/8/2009	10/8/2009	1	0	0	5	5	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Benzothiazole	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	--	--	--
199-D8-55	Benzyl alcohol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	1	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Bis(2-Chloroethoxy)methane	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Bis(2-chloroethyl) ether	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	1	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Bis(2-ethylhexyl) phthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.8	1	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Butylbenzylphthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Carbazole	No	µg/L	10/8/2009	3/24/2010	3	0	0	0.5	1	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Chlorobenzilate	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Cyclohexanone	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Decane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2	2	--	--	--	--	--	--	--	--	--
199-D8-55	Diallate	No	µg/L	3/24/2010	5/12/2010	2	0	0	2	2	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Dibenzofuran	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Dibutyl Butylphosphonate	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	--	--	--
199-D8-55	Diethylphthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	1	1	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	Dimethoate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Dimethyl phthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Di-n-butylphthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	1	1	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Di-n-octylphthalate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.9	1	--	--	--	--	--	--	--	--	--
199-D8-55	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/24/2010	5/12/2010	2	0	0	2	2	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-D8-55	Diphenylamine	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Disulfoton	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Dodecane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2	2	--	--	--	--	--	--	--	--	--
199-D8-55	Ethyl methanesulfonate	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D8-55	Famphur	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-D8-55	Gamma-BHC (Lindane)	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.7	0.7	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-D8-55	Hexachlorobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.6	1	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Hexachlorobutadiene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.9	1	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Hexachlorocyclopentadiene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.8	1	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Hexachloroethane	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.8	1	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Hexachlorophene	No	µg/L	3/24/2010	5/12/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Hexachloropropene	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D8-55	Isodrin	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D8-55	Isophorone	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-D8-55	Isosafrole	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D8-55	Kepone	No	µg/L	3/24/2010	5/12/2010	2	0	0	20	20	--	--	--	--	--	--	4.18E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	m-Dinitrobenzene	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Methapyrilene	No	µg/L	3/24/2010	5/12/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D8-55	Methyl methanesulfonate	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Methyl parathion	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Nitrobenzene	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	Nitrosopyrrolidine	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	n-Nitrosodiethylamine	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	n-Nitrosodimethylamine	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	2	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	n-Nitrosodi-n-butylamine	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	n-Nitrosodi-n-dipropylamine	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	n-Nitrosodiphenylamine	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	n-Nitrosomethylethylamine	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	n-Nitrosomorpholine	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	n-Nitrosopiperidine	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	O,O,O-Triethyl phosphorothioate	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D8-55	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D8-55	o-Toluidine	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	--	--	--
199-D8-55	Parathion	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-D8-55	p-Dimethylaminoazobenzene	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Pentachlorobenzene	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Pentachloroethane	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Pentachloronitrobenzene (PCNB)	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Pentachlorophenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-D8-55	Phenacetin	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Phenol	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.9	2	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Phorate	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	p-Phenylenediamine	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Pronamide	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Pyridine	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.9	2	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Safrol	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-55	sym-Trinitrobenzene	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Tetradecane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2	2	--	--	--	--	--	--	--	--	--
199-D8-55	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/24/2010	5/12/2010	2	0	0	1	1	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Total cresols	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Tributyl phosphate	No	µg/L	10/8/2009	5/12/2010	3	0	0	0.5	1	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Tris-2-chloroethyl phosphate	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-D8-55	Acenaphthene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.30	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Acenaphthylene	No	µg/L	5/12/2010	5/12/2010	1	0	0	0.28	0.28	--	--	--	--	--	--	--	--	--
199-D8-55	Anthracene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.014	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Benzo(a)anthracene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.021	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-55	Benzo(a)pyrene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.044	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-55	Benzo(b)fluoranthene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.022	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-55	Benzo(ghi)perylene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.063	0.080	--	--	--	--	--	--	--	--	--
199-D8-55	Benzo(k)fluoranthene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.026	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-55	Chrysene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.015	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-55	Dibenz[a,h]anthracene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.053	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-55	Fluoranthene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.045	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-55	Fluorene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.02	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Indeno(1,2,3-cd)pyrene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.04	0.052	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-55	Naphthalene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.4	0.43	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-55	Phenanthrene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.025	0.040	--	--	--	--	--	--	--	--	--
199-D8-55	Pyrene	No	µg/L	10/8/2009	3/24/2010	2	0	0	0.023	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-9. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-55

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Dioxi- like PCB Congeners by Method 1668A																			
199-D8-71	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	1	33	7.00E-07	8.10E-07	5.60E-06	5.60E-06	5.60E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	1	33	7.00E-07	1.20E-06	2.70E-06	2.70E-06	2.70E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.70E-05	2.50E-05	2.00E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.30E-07	9.40E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	9.10E-06	1.40E-05	1.14E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,4',5,6-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.00E-06	1.00E-05	7.63E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,4',5-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	4.40E-05	5.50E-05	4.93E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.40E-07	9.00E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,4',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.30E-05	1.90E-05	1.63E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,4'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	5.70E-06	7.20E-06	6.50E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.70E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5,5',6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	3.40E-05	5.30E-05	4.37E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5,5',6-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	3.40E-05	5.30E-05	4.37E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5,5'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.20E-06	9.60E-06	8.10E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	3.50E-06	5.20E-06	4.10E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.60E-06	3.50E-06	3.13E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5,6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.30E-05	1.90E-05	1.63E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',4',5,6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	4.30E-05	5.00E-05	4.70E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	1	33	1.00E-06	1.40E-06	2.70E-06	2.70E-06	2.70E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.10E-04	1.20E-04	1.17E-04	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	1	33	1.60E-06	1.60E-06	2.00E-06	2.00E-06	2.00E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,5-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.20E-04	1.30E-04	1.23E-04	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,6,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	9.10E-06	1.20E-05	1.04E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.40E-05	3.00E-05	2.70E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',4,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.30E-06	1.70E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,3',4-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.10E-06	2.50E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	5.10E-06	9.00E-06	6.50E-06	--	--	--	--	--	--

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	2,2',3,3',5,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.60E-05	2.20E-05	1.90E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.20E-06	1.50E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,3',5,6,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	5.40E-05	6.20E-05	5.87E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',5,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	8.70E-05	1.70E-04	1.22E-04	--	--	--	--	--	--
199-D8-71	2,2',3,3',5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.00E-06	2.60E-06	2.37E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	5.30E-06	1.20E-05	8.33E-06	--	--	--	--	--	--
199-D8-71	2,2',3,3',6,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.70E-05	2.80E-05	2.20E-05	--	--	--	--	--	--
199-D8-71	2,2',3,3',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.00E-06	2.40E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,3'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.10E-06	1.00E-05	8.07E-06	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',5,5',6-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.70E-05	2.50E-05	2.10E-05	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',5,5'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.90E-04	2.20E-04	2.07E-04	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',5,6,6'-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.70E-07	9.40E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.40E-05	7.50E-05	7.10E-05	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',5,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	9.70E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',5,6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.00E-06	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.20E-04	1.30E-04	1.23E-04	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',5-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.10E-06	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',6,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.30E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.10E-06	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4,4',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.10E-06	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4,4'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	1.70E-06	1.70E-06	2.00E-06	3.10E-06	2.55E-06	--	--	--	--	--	--
199-D8-71	2,2',3,4,5,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.40E-05	7.50E-05	7.10E-05	--	--	--	--	--	--
199-D8-71	2,2',3,4',5,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.50E-04	1.60E-04	1.57E-04	--	--	--	--	--	--
199-D8-71	2,2',3,4,5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.90E-05	3.50E-05	3.20E-05	--	--	--	--	--	--
199-D8-71	2,2',3,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.30E-05	1.60E-05	1.40E-05	--	--	--	--	--	--
199-D8-71	2,2',3,4,5,6,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4',5,6,6'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.90E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4',5,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.20E-06	3.20E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4,5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.30E-06	1.60E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4',5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.90E-04	2.00E-04	1.93E-04	--	--	--	--	--	--
199-D8-71	2,2',3,4,5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	5.10E-06	1.70E-05	1.03E-05	--	--	--	--	--	--

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	2,2',3,4',5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.90E-04	2.00E-04	1.93E-04	--	--	--	--	--	--
199-D8-71	2,2',3,4,5,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.00E-06	2.60E-06	2.37E-06	--	--	--	--	--	--
199-D8-71	2,2',3,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.50E-05	6.30E-05	4.23E-05	--	--	--	--	--	--
199-D8-71	2,2',3,4,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.00E-06	1.50E-05	9.40E-06	--	--	--	--	--	--
199-D8-71	2,2',3,4,5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.00E-06	1.50E-05	9.40E-06	--	--	--	--	--	--
199-D8-71	2,2',3',4,5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.00E-06	1.50E-05	9.40E-06	--	--	--	--	--	--
199-D8-71	2,2',3,4,6,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.90E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4',6,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.70E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	2.10E-06	2.10E-06	1.70E-06	2.80E-06	2.25E-06	--	--	--	--	--	--
199-D8-71	2,2',3',4,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.50E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	2.10E-06	2.10E-06	1.70E-06	2.80E-06	2.25E-06	--	--	--	--	--	--
199-D8-71	2,2',3,4,6'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	9.90E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	3.90E-06	6.30E-06	5.20E-06	--	--	--	--	--	--
199-D8-71	2,2',3,4-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.10E-06	1.00E-05	8.07E-06	--	--	--	--	--	--
199-D8-71	2,2',3,5,5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	8.70E-05	1.70E-04	1.22E-04	--	--	--	--	--	--
199-D8-71	2,2',3,5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	8.80E-07	8.80E-07	4.00E-06	7.50E-06	5.75E-06	--	--	--	--	--	--
199-D8-71	2,2',3,5,6,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.80E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,5',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	3.30E-05	7.50E-05	5.17E-05	--	--	--	--	--	--
199-D8-71	2,2',3,5,6'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	9.90E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,5,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.80E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.90E-05	2.80E-05	2.35E-05	--	--	--	--	--	--
199-D8-71	2,2',3,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	7.60E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,6,6'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	7.40E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,6'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	9.90E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',3,6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	7.00E-06	1.10E-05	8.77E-06	--	--	--	--	--	--
199-D8-71	2,2',3-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.70E-06	1.70E-05	1.36E-05	--	--	--	--	--	--
199-D8-71	2,2',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.70E-04	1.70E-04	1.70E-04	--	--	--	--	--	--
199-D8-71	2,2',4,4',5,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.00E-06	2.60E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',4,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	5.30E-06	1.20E-05	8.33E-06	--	--	--	--	--	--
199-D8-71	2,2',4,4',6,6'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.40E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',4,4',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.80E-07	2.00E-06	--	--	--	--	--	--	--	--	--

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	2,2',4,4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	2.80E-06	1.90E-05	1.09E-05	--	--	--	--	--	--
199-D8-71	2,2',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.50E-05	6.30E-05	4.23E-05	--	--	--	--	--	--
199-D8-71	2,2',4,5,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.50E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',4,5',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.70E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',4,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.40E-05	1.80E-05	1.63E-05	--	--	--	--	--	--
199-D8-71	2,2',4,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	3.00E-06	4.00E-06	3.50E-06	--	--	--	--	--	--
199-D8-71	2,2',4,6,6'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.60E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',4,6'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	7.00E-06	1.10E-05	8.77E-06	--	--	--	--	--	--
199-D8-71	2,2',4,6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	4.20E-06	7.80E-06	6.20E-06	--	--	--	--	--	--
199-D8-71	2,2',4-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.20E-05	3.30E-05	2.43E-05	--	--	--	--	--	--
199-D8-71	2,2',5,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	5.10E-05	6.50E-05	5.90E-05	--	--	--	--	--	--
199-D8-71	2,2',5,6'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	4.20E-06	7.80E-06	6.20E-06	--	--	--	--	--	--
199-D8-71	2,2',5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.40E-05	1.80E-04	1.28E-04	--	--	--	--	--	--
199-D8-71	2,2',6,6'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	7.60E-07	2.50E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,2',6-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	7.30E-06	2.50E-05	1.78E-05	--	--	--	--	--	--
199-D8-71	2,2'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.90E-05	6.90E-05	5.20E-05	--	--	--	--	--	--
199-D8-71	2,3,3',4,4',5,5',6-Octachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	3.80E-07	6.50E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',4,4',5,5'-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	4.60E-07	8.40E-07	--	--	--	--	--	--	1.35E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	2,3,3',4,4',5,6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	8.60E-06	1.20E-05	1.01E-05	--	--	--	--	--	--
199-D8-71	2,3,3',4,4',5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	1	33	7.60E-07	8.90E-07	1.90E-06	1.90E-06	1.90E-06	--	--	--	--	--	--
199-D8-71	2,3,3',4,4',5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.70E-06	2.20E-06	1.97E-06	--	--	--	6.54E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	2,3,3',4,4',5-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.70E-06	2.20E-06	1.97E-06	--	--	--	6.37E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	2,3,3',4,4',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.20E-06	9.00E-06	7.57E-06	--	--	--	--	--	--
199-D8-71	2,3,3',4,4'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	3.00E-06	5.40E-06	4.03E-06	--	--	--	3.07E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	2,3,3',4,5,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.50E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',4',5,5',6-Heptachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.90E-04	2.20E-04	2.07E-04	--	--	--	--	--	--
199-D8-71	2,3,3',4,5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.60E-06	2.80E-06	2.70E-06	--	--	--	--	--	--
199-D8-71	2,3,3',4',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.30E-07	1.00E-06	--	--	--	--	--	--	--	--	--

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	2,3,3',4,5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.20E-04	1.30E-04	1.23E-04	--	--	--	--	--	--
199-D8-71	2,3,3',4',5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.20E-04	1.30E-04	1.23E-04	--	--	--	--	--	--
199-D8-71	2,3,3',4,5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	8.40E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',4',5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	5.80E-06	6.40E-06	6.10E-06	--	--	--	--	--	--
199-D8-71	2,3,3',4,5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	3.90E-07	7.30E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2',3,3',4,5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	4.20E-07	7.90E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	3.80E-07	7.10E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',4,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	4.00E-07	7.40E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',4,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.00E-06	1.50E-05	9.40E-06	--	--	--	--	--	--
199-D8-71	2,3,3',4',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.00E-05	3.60E-05	2.77E-05	--	--	--	--	--	--
199-D8-71	2,3,3',4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	5.70E-06	6.80E-06	6.30E-06	--	--	--	--	--	--
199-D8-71	2,3,3',4-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.30E-07	8.50E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',5,5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	9.20E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.20E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',5,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.70E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',5',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.50E-05	6.30E-05	4.23E-05	--	--	--	--	--	--
199-D8-71	2,3,3',5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.00E-07	8.00E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.00E-07	8.10E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,3',6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.00E-06	4.10E-06	3.03E-06	--	--	--	--	--	--
199-D8-71	2,3,3'-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	4.40E-05	7.40E-05	6.07E-05	--	--	--	--	--	--
199-D8-71	2,3',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.10E-07	8.10E-07	--	--	--	--	--	--	5.69E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	2,3,4,4',5,6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	5.70E-06	7.20E-06	6.50E-06	--	--	--	--	--	--
199-D8-71	2,3',4,4',5',6-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.70E-04	1.70E-04	1.70E-04	--	--	--	--	--	--
199-D8-71	2,3,4,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	3.60E-07	6.70E-07	--	--	--	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	2',3,4,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	3.90E-07	7.50E-07	--	--	--	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	2,3',4,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	1.10E-05	1.10E-05	7.50E-06	9.50E-06	8.50E-06	--	--	--	3.71E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	2,3,4,4',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.00E-05	3.60E-05	2.77E-05	--	--	--	--	--	--
199-D8-71	2,3',4,4',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.00E-06	1.50E-05	9.40E-06	--	--	--	--	--	--

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	2,3,4,4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	4.00E-06	6.00E-06	4.77E-06	--	--	--	--	--	--
199-D8-71	2,3',4,4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.10E-05	2.00E-05	1.63E-05	--	--	--	--	--	--
199-D8-71	2',3,4,5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	4.00E-07	7.40E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.40E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2',3,4,5,6'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.00E-06	1.50E-05	9.40E-06	--	--	--	--	--	--
199-D8-71	2,3,4,5,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	1.70E-06	1.70E-06	2.00E-06	3.10E-06	2.55E-06	--	--	--	--	--	--
199-D8-71	2,3',4,5',6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.40E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,4',5,6-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	1.70E-06	1.70E-06	2.00E-06	3.10E-06	2.55E-06	--	--	--	--	--	--
199-D8-71	2,3',4,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	7.20E-07	7.20E-07	7.80E-07	1.70E-06	1.24E-06	--	--	--	--	--	--
199-D8-71	2,3,4,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.30E-05	3.40E-05	2.97E-05	--	--	--	--	--	--
199-D8-71	2',3,4,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.30E-05	3.40E-05	2.97E-05	--	--	--	--	--	--
199-D8-71	2,3',4,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.40E-07	7.30E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,4',5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.50E-07	7.50E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3',4',5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.30E-05	3.40E-05	2.97E-05	--	--	--	--	--	--
199-D8-71	2,3,4,6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.00E-06	4.10E-06	3.03E-06	--	--	--	--	--	--
199-D8-71	2,3',4,6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.40E-05	1.80E-05	1.63E-05	--	--	--	--	--	--
199-D8-71	2,3,4',6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.20E-05	2.70E-05	2.47E-05	--	--	--	--	--	--
199-D8-71	2,3',4',6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.10E-06	1.00E-05	8.07E-06	--	--	--	--	--	--
199-D8-71	2,3,4-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	3.90E-06	6.60E-06	5.25E-06	--	--	--	--	--	--
199-D8-71	2',3,4-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	3.90E-06	1.10E-05	7.17E-06	--	--	--	--	--	--
199-D8-71	2,3',4-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	8.40E-07	1.90E-06	1.45E-06	--	--	--	--	--	--
199-D8-71	2,3,4'-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	9.30E-06	1.80E-05	1.34E-05	--	--	--	--	--	--
199-D8-71	2,3',5,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.80E-07	7.90E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,5,6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.90E-05	2.80E-05	2.35E-05	--	--	--	--	--	--
199-D8-71	2,3',5',6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	7.60E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	4.50E-07	8.30E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2',3,5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	4.40E-07	8.20E-07	--	--	--	--	--	--	--	--	--
199-D8-71	2,3',5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.50E-06	3.30E-06	2.40E-06	--	--	--	--	--	--
199-D8-71	2,3,6-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	2.10E-06	2.10E-06	9.90E-07	2.20E-06	1.60E-06	--	--	--	--	--	--
199-D8-71	2,3',6-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	1.80E-06	1.80E-06	2.10E-06	5.20E-06	3.65E-06	--	--	--	--	--	--
199-D8-71	2,3'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	1	33	2.20E-06	3.80E-05	4.20E-06	4.20E-06	4.20E-06	--	--	--	--	--	--

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	2,3-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	2.30E-06	3.80E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,4,4',5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.30E-05	3.40E-05	2.97E-05	--	--	--	--	--	--
199-D8-71	2,4,4',6-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.00E-06	4.10E-06	3.03E-06	--	--	--	--	--	--
199-D8-71	2,4,4'-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	4.40E-05	7.40E-05	6.07E-05	--	--	--	--	--	--
199-D8-71	2,4,5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.50E-06	3.30E-06	2.40E-06	--	--	--	--	--	--
199-D8-71	2,4',5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	4.50E-05	7.30E-05	6.13E-05	--	--	--	--	--	--
199-D8-71	2,4,6-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	6.40E-05	1.80E-04	1.28E-04	--	--	--	--	--	--
199-D8-71	2,4',6-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	2.10E-05	5.10E-05	3.80E-05	--	--	--	--	--	--
199-D8-71	2,4'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	5.70E-05	5.70E-05	1.20E-05	2.50E-05	1.85E-05	--	--	--	--	--	--
199-D8-71	2,4-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	2.40E-06	2.40E-06	3.70E-06	5.90E-06	4.80E-06	--	--	--	--	--	--
199-D8-71	2,5-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	2.30E-06	3.70E-06	--	--	--	--	--	--	--	--	--
199-D8-71	2,6-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.80E-06	3.90E-06	3.00E-06	--	--	--	--	--	--
199-D8-71	2-Monochlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	3.10E-07	3.10E-07	8.90E-07	3.10E-06	2.00E-06	--	--	--	--	--	--
199-D8-71	3,3',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.90E-07	8.40E-07	--	--	--	--	--	--	1.78E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	3,3',4,4',5-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	3.80E-07	7.30E-07	--	--	--	--	--	--	6.92E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	3,3',4,4'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	1	33	5.70E-07	7.40E-07	2.40E-06	2.40E-06	2.40E-06	--	--	--	0.0067	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	3,3',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	3.90E-07	7.20E-07	--	--	--	--	--	--	--	--	--
199-D8-71	3,3',4,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.40E-07	7.30E-07	--	--	--	--	--	--	--	--	--
199-D8-71	3,3',4,5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	6.20E-07	8.40E-07	--	--	--	--	--	--	--	--	--
199-D8-71	3,3',4-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	4.60E-07	8.40E-07	--	--	--	--	--	--	--	--	--
199-D8-71	3,3',5,5'-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.30E-07	7.20E-07	--	--	--	--	--	--	--	--	--
199-D8-71	3,3',5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	4.40E-07	8.10E-07	--	--	--	--	--	--	--	--	--
199-D8-71	3,3'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	1.40E-05	1.40E-05	7.20E-06	1.60E-05	1.16E-05	--	--	--	--	--	--
199-D8-71	3,4,4',5-Tetrachlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	5.50E-07	7.80E-07	--	--	--	--	--	--	6.13E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	3,4,4'-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	8.40E-06	1.40E-05	1.21E-05	--	--	--	--	--	--
199-D8-71	3,4,5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	4.60E-07	8.60E-07	--	--	--	--	--	--	--	--	--
199-D8-71	3,4',5-Trichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	4.10E-07	7.60E-07	--	--	--	--	--	--	--	--	--
199-D8-71	3,4'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	2.20E-06	2.20E-06	1.50E-06	4.80E-06	3.15E-06	--	--	--	--	--	--

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	3,4-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	2.20E-06	2.20E-06	1.50E-06	4.80E-06	3.15E-06	--	--	--	--	--	--
199-D8-71	3,5-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.90E-06	3.10E-06	--	--	--	--	--	--	--	--	--
199-D8-71	3-Monochlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	3.70E-07	3.70E-07	8.60E-07	5.70E-06	3.28E-06	--	--	--	--	--	--
199-D8-71	4,4'-Dichlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	3	100	--	--	1.30E-05	2.50E-05	2.00E-05	--	--	--	--	--	--
199-D8-71	4-Monochlorobiphenyl	No	µg/L	10/7/2009	5/13/2010	3	2	67	4.50E-07	4.50E-07	8.90E-07	4.60E-06	2.75E-06	--	--	--	--	--	--
Pesticides by Method 8081																			
199-D8-71	4,4'-DDD (Dichlorodiphenyldichloroethane)	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.010	0.010	--	--	--	--	--	--	3.10E-04	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	4,4'-DDE (Dichlorodiphenyldichloroethylene)	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.020	0.020	--	--	--	--	--	--	2.20E-04	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	4,4'-DDT (Dichlorodiphenyltrichloroethane)	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.010	0.010	--	--	--	--	--	--	2.20E-04	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Aldrin	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.010	0.010	--	--	--	--	--	--	4.90E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Alpha-BHC	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.010	0.010	--	--	--	--	--	--	0.0026	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Alpha-Chlordane	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.02	0.02	--	--	--	--	--	--	5.70E-04	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.01	0.01	--	--	--	--	--	--	0.0091	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Chlordane	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.04	0.04	--	--	--	--	--	--	0.00057	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	Delta-BHC	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.01	0.01	--	--	--	--	--	--	--	--	--
199-D8-71	Dieldrin	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.01	0.01	--	--	--	--	--	--	0.000052	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Endosulfan I	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.02	0.02	--	--	--	--	--	--	0.056	0	Clean Water Act -- Freshwater CCC
199-D8-71	Endosulfan II	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.01	0.01	--	--	--	--	--	--	0.056	0	Clean Water Act -- Freshwater CCC
199-D8-71	Endosulfan sulfate	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.01	0.01	--	--	--	--	--	--	0.93	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	Endrin	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.01	0.01	--	--	--	--	--	--	0.0023	0	40 CFR 131 -- Freshwater CCC
199-D8-71	Endrin aldehyde	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.01	0.01	--	--	--	--	--	--	0.29	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Endrin ketone	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.02	0.02	--	--	--	--	--	--	--	--	--
199-D8-71	Gamma-BHC (Lindane)	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.003	0.003	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	Heptachlor	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.003	0.003	--	--	--	--	--	--	0.000079	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Heptachlor epoxide	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.01	0.01	--	--	--	--	--	--	0.000039	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Methoxychlor	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.001	0.01	--	--	--	--	--	--	0.03	0	Clean Water Act -- Freshwater CCC
199-D8-71	Toxaphene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.5	0.66	--	--	--	--	--	--	0.0002	0	Clean Water Act -- Freshwater CCC
199-D8-71	trans-Chlordane	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.01	0.01	--	--	--	--	--	--	0.0007	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
PCBs by Method 8082																			
199-D8-71	Aroclor-1016	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Aroclor-1221	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Aroclor-1232	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Aroclor-1242	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Aroclor-1248	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Aroclor-1254	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.084	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Aroclor-1260	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.084	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Aroclor-1262	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Aroclor-1268	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-D8-71	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	1,2,4-Trichlorobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	1,2,4-Trimethylbenzene	No	µg/L	10/7/2009	10/7/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	1,2-Dichlorobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	1,3-Dichlorobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	1,4-Dichlorobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.12	1.0	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	1,4-Naphthoquinone	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	1-Naphthylamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	2,3,4,6-Tetrachlorophenol	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2,4,5-Trichlorophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	2,4,6-Trichlorophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	2,4-Dichlorophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2,4-Dimethylphenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2,4-Dinitrophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2,4-Dinitrotoluene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	2,6-Dichlorophenol	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	2,6-Dinitrotoluene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2-Acetylaminofluorene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2-Butoxyethanol	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2-Chloronaphthalene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2-Chlorophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2-Methylnaphthalene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2-Methylphenol (cresol, o-)	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2-Naphthylamine	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2-Nitroaniline	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	2-Nitrophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	2-Picoline	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	--	--	--
199-D8-71	3,3'-Dichlorobenzidine	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism

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Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	3,3'-Dimethylbenzidine	No	µg/L	3/22/2010	5/13/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	--	--	--
199-D8-71	3-Methylcholanthrene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	3-Nitroaniline	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	4,6-Dinitro-2-methylphenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	4-Aminobiphenyl	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	4-Bromophenylphenyl ether	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	4-Chloro-3-methylphenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	4-Chloroaniline	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	4-Chlorophenylphenyl ether	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	4-Methylphenol (cresol, p-)	No	µg/L	3/22/2010	5/13/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	4-Nitroaniline	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	4-Nitrophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	4-Nitroquinoline-1-oxide	No	µg/L	3/22/2010	5/13/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-D8-71	5-Nitro-o-toluidine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Acetophenone	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	10	22	--	--	--	--	--	--	--	--	--
199-D8-71	Aniline	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Aramite	No	µg/L	3/22/2010	5/13/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Azobenzene	No	µg/L	5/13/2010	5/13/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	Benzoic acid	No	µg/L	10/7/2009	10/7/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Benzothiazole	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-D8-71	Benzyl alcohol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Bis(2-Chloroethoxy)methane	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Bis(2-chloroethyl) ether	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Bis(2-ethylhexyl) phthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Butylbenzylphthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Carbazole	No	µg/L	10/7/2009	3/22/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Chlorobenzilate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Cyclohexanone	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Decane	No	µg/L	10/7/2009	10/7/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D8-71	Diallate	No	µg/L	3/22/2010	5/13/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Dibenzofuran	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Dibutyl Butylphosphonate	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-D8-71	Diethylphthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Dimethoate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Dimethyl phthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Di-n-butylphthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Di-n-octylphthalate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/22/2010	5/13/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	Diphenylamine	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Disulfoton	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Dodecane	No	µg/L	10/7/2009	10/7/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D8-71	Ethyl methanesulfonate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	Famphur	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-D8-71	Hexachlorobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Hexachlorobutadiene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Hexachlorocyclopentadiene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Hexachloroethane	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Hexachlorophene	No	µg/L	3/22/2010	5/13/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Hexachloropropene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	Isodrin	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	Isophorone	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	Isosafrole	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D8-71	Kepone	No	µg/L	3/22/2010	5/13/2010	2	0	0	20	20	--	--	--	--	--	--	4.18E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	m-Dinitrobenzene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Methapyrilene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D8-71	Methyl methanesulfonate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Methyl parathion	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Nitrobenzene	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Nitrosopyrrolidine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	n-Nitrosodiethylamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	n-Nitrosodimethylamine	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	n-Nitrosodi-n-butylamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	n-Nitrosodi-n-dipropylamine	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	n-Nitrosodiphenylamine	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	n-Nitrosomethylethylamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	n-Nitrosomorpholine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	n-Nitrosopiperidine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	O,O,O-Triethyl phosphorothioate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	o-Toluidine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-71	Parathion	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-D8-71	p-Dimethylaminoazobenzene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Pentachlorobenzene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Pentachloroethane	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Pentachloronitrobenzene (PCNB)	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Pentachlorophenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-D8-71	Phenacetin	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Phenol	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Phorate	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	p-Phenylenediamine	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	Pronamide	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Pyridine	No	µg/L	10/7/2009	5/13/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Safrol	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	sym-Trinitrobenzene	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Tetradecane	No	µg/L	10/7/2009	10/7/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D8-71	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/22/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Total cresols	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Tributyl phosphate	No	µg/L	10/7/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Tris-2-chloroethyl phosphate	No	µg/L	10/7/2009	10/7/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-D8-71	Acenaphthene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.10	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-71	Acenaphthylene	No	µg/L	5/13/2010	5/13/2010	1	0	0	0.30	0.30	--	--	--	--	--	--	--	--	--
199-D8-71	Anthracene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.014	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Benzo(a)anthracene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.021	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	Benzo(a)pyrene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.044	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	Benzo(b)fluoranthene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.022	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	Benzo(ghi)perylene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.063	0.080	--	--	--	--	--	--	--	--	--
199-D8-71	Benzo(k)fluoranthene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.026	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	Chrysene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.015	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	Dibenz[a,h]anthracene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.053	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	Fluoranthene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.045	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)

Table N-10. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-71

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-71	Fluorene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.02	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Indeno(1,2,3-cd)pyrene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.04	0.052	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-71	Naphthalene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.1	0.40	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-71	Phenanthrene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.025	0.059	--	--	--	--	--	--	--	--	--
199-D8-71	Pyrene	No	µg/L	10/7/2009	5/13/2010	2	0	0	0.023	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310

Table N-11. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-88

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
PCBs by Method 8082																			
199-D8-88	Aroclor-1016	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Aroclor-1221	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Aroclor-1232	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Aroclor-1242	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Aroclor-1248	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Aroclor-1254	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Aroclor-1260	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Aroclor-1262	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Aroclor-1268	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-D8-88	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	1,2,4-Trichlorobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.7	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	1,2,4-Trimethylbenzene	No	µg/L	10/8/2009	10/8/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	1,2-Dichlorobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	1,3-Dichlorobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	1,4-Dichlorobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.9	1.0	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	1,4-Naphthoquinone	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	1-Naphthylamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	2,3,4,6-Tetrachlorophenol	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2,4,5-Trichlorophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	2,4,6-Trichlorophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	2,4-Dichlorophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2,4-Dimethylphenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2,4-Dinitrophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2,4-Dinitrotoluene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	2,6-Dichlorophenol	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	2,6-Dinitrotoluene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2-Acetylaminofluorene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.02	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2-Butoxyethanol	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	4000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2-Chloronaphthalene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-11. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-88

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-88	2-Chlorophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2-Methylnaphthalene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2-Methylphenol (cresol, o-)	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2-Naphthylamine	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2-Nitroaniline	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	2-Nitrophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	2-Picoline	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	--	--	--
199-D8-88	3,3'-Dichlorobenzidine	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	3,3'-Dimethylbenzidine	No	µg/L	3/24/2010	6/3/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-D8-88	3-Methylcholanthrene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	3-Nitroaniline	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	4,6-Dinitro-2-methylphenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	4-Aminobiphenyl	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.17E-03	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	4-Bromophenylphenyl ether	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	4-Chloro-3-methylphenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	4-Chloroaniline	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	4-Chlorophenylphenyl ether	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	4-Methylphenol (cresol, p-)	No	µg/L	3/24/2010	6/3/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	4-Nitroaniline	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	4-Nitrophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	4-Nitroquinoline-1-oxide	No	µg/L	3/24/2010	6/3/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-D8-88	5-Nitro-o-toluidine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Acenaphthylene	No	µg/L	3/24/2010	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	Acetophenone	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--
199-D8-88	Aniline	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Aramite	No	µg/L	3/24/2010	6/3/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)

Table N-11. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-88

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-88	Azobenzene	No	µg/L	6/3/2010	6/3/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Benzoic acid	No	µg/L	10/8/2009	10/8/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Benzothiazole	No	µg/L	10/8/2009	10/8/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	Benzyl alcohol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Bis(2-Chloroethoxy)methane	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Bis(2-chloroethyl) ether	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Bis(2-ethylhexyl) phthalate	No	µg/L	10/8/2009	6/3/2010	3	1	33.33	0.80	1.0	2.1	2.1	2.1	--	--	--	1.2	1	Clean Water Act -- Human Health Water + Organism
199-D8-88	Butylbenzylphthalate	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Carbazole	No	µg/L	10/8/2009	3/24/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Chlorobenzilate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Cyclohexanone	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	40000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Decane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D8-88	Diallate	No	µg/L	3/24/2010	6/3/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Dibenzofuran	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Dibutyl Butylphosphonate	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-D8-88	Diethylphthalate	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Diisobutyl Phthalate	No	µg/L	10/8/2009	10/8/2009	1	1	100	--	--	8.8	8.8	8.8	--	--	--	--	--	--
199-D8-88	Dimethoate	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Dimethyl phthalate	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Di-n-butylphthalate	No	µg/L	10/8/2009	6/3/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Di-n-nonyl phthalate	No	µg/L	10/8/2009	10/8/2009	1	1	100	--	--	24	24	24	--	--	--	--	--	--
199-D8-88	Di-n-octylphthalate	No	µg/L	10/8/2009	6/3/2010	3	1	33.33	1.0	1.0	1.7	1.7	1.7	--	--	--	--	--	--
199-D8-88	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/24/2010	6/3/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7	0	40 CFR 141 - Federal MCL
199-D8-88	Diphenylamine	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Disulfoton	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Dodecane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D8-88	Ethyl methanesulfonate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	Famphur	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--

Table N-11. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-88

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-88	Gamma-BHC (Lindane)	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-D8-88	Hexachlorobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Hexachlorobutadiene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Hexachlorocyclopentadiene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Hexachloroethane	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Hexachlorophene	No	µg/L	3/24/2010	6/3/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Hexachloropropene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	Isodrin	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	Isophorone	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-D8-88	Isosafrole	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D8-88	Kepone	No	µg/L	3/24/2010	6/3/2010	2	0	0	20	20	--	--	--	--	--	--	0.00042	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	m-Dinitrobenzene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Methapyrilene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-D8-88	Methyl methanesulfonate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Methyl parathion	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Nitrobenzene	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Nitrosopyrrolidine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	n-Nitrosodiethylamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	n-Nitrosodimethylamine	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	n-Nitrosodi-n-butylamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.30E-03	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	n-Nitrosodi-n-dipropylamine	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	n-Nitrosodiphenylamine	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	n-Nitrosomethylethylamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	n-Nitrosomorpholine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	n-Nitrosopiperidine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	O,O,O-Triethyl phosphorothioate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	o-Toluidine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-D8-88	Parathion	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC

Table N-11. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-88

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-88	p-Dimethylaminoazobenzene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Pentachlorobenzene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Pentachloroethane	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Pentachloronitrobenzene (PCNB)	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Pentachlorophenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.3	--	--	--	--	--	--	0.270	0	Clean Water Act -- Human Health Water + Organism
199-D8-88	Phenacetin	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Phenol	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Phorate	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	p-Phenylenediamine	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Pronamide	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Pyridine	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Safrol	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	sym-Trinitrobenzene	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Tetradecane	No	µg/L	10/8/2009	10/8/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-D8-88	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/24/2010	6/3/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Total cresols	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.5	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Tributyl phosphate	No	µg/L	10/8/2009	6/3/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Tris-2-chloroethyl phosphate	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-D8-88	Acenaphthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Benzo(a)anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-88	Benzo(a)pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-88	Benzo(b)fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-88	Benzo(ghi)perylene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	--	--	--
199-D8-88	Benzo(k)fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-88	Chrysene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-88	Dibenz[a,h]anthracene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism

Table N-11. Summary Statistics of Additional Analytes at Monitoring Well 199-D8-88

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-D8-88	Fluoranthene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-D8-88	Fluorene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Indeno(1,2,3-cd)pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-D8-88	Naphthalene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-D8-88	Phenanthrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.049	0.049	--	--	--	--	--	--	--	--	--
199-D8-88	Pyrene	No	µg/L	10/8/2009	10/8/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background.*

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

Table N-12. Summary Statistics of Additional Analytes at Monitoring Well 199-H3-2A

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
PCBs by Method 8082																			
199-H3-2A	Aroclor-1016	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Aroclor-1221	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Aroclor-1232	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Aroclor-1242	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Aroclor-1248	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Aroclor-1254	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Aroclor-1260	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Aroclor-1262	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Aroclor-1268	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-H3-2A	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	1,2,4-Trichlorobenzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	1,2,4-Trimethylbenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	1,2-Dichlorobenzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	1,3-Dichlorobenzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	1,4-Dichlorobenzene	No	µg/L	10/11/2009	5/13/2010	4	0	0	0.12	1.0	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	1,4-Naphthoquinone	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	1-Naphthylamine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	1-Penten-3-ol, 2-methyl	No	µg/L	10/11/2009	10/11/2009	1	1	100	--	--	6.0	6.0	6.0	--	--	--	--	--	--
199-H3-2A	2,3,4,6-Tetrachlorophenol	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2,4,5-Trichlorophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	2,4,6-Trichlorophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	2,4-Dichlorophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2,4-Dimethylphenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-12. Summary Statistics of Additional Analytes at Monitoring Well 199-H3-2A

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H3-2A	2,4-Dinitrophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2,4-Dinitrotoluene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	2,6-Dichlorophenol	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	2,6-Dinitrotoluene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.60	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2-Acetylaminofluorene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2-Butoxyethanol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2-Chloronaphthalene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2-Chlorophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2-Methylnaphthalene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2-Methylphenol (cresol, o-)	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2-Naphthylamine	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2-Nitroaniline	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	2-Nitrophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	2-Picoline	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	--	--	--
199-H3-2A	3,3'-Dichlorobenzidine	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	3,3'-Dimethylbenzidine	No	µg/L	3/21/2010	5/13/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-H3-2A	3-Methylcholanthrene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	3-Nitroaniline	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	4,6-Dinitro-2-methylphenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	4-Aminobiphenyl	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	4-Bromophenylphenyl ether	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	4-Chloro-3-methylphenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	4-Chloroaniline	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	4-Chlorophenylphenyl ether	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	4-Methylphenol (cresol, p-)	No	µg/L	3/21/2010	5/13/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	4-Nitroaniline	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	4-Nitrophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	4-Nitroquinoline-1-oxide	No	µg/L	3/21/2010	5/13/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--

Table N-12. Summary Statistics of Additional Analytes at Monitoring Well 199-H3-2A

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H3-2A	5-Nitro-o-toluidine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Acetophenone	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/21/2010	5/13/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--
199-H3-2A	Aniline	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Aramite	No	µg/L	3/21/2010	5/13/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Azobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Benzoic acid	No	µg/L	10/11/2009	10/11/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Benzothiazole	No	µg/L	10/11/2009	5/13/2010	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H3-2A	Benzyl alcohol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Bis(2-Chloroethoxy)methane	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Bis(2-chloroethyl) ether	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Bis(2-ethylhexyl) phthalate	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Butylbenzylphthalate	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Carbazole	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Chlorobenzilate	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Cyclohexanone	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Decane	No	µg/L	10/11/2009	5/13/2010	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H3-2A	Diallate	No	µg/L	10/11/2009	5/13/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Dibenzofuran	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Dibutyl Butylphosphonate	No	µg/L	10/11/2009	5/13/2010	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H3-2A	Diethylphthalate	No	µg/L	3/21/2010	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Dimethoate	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Dimethyl phthalate	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Di-n-butylphthalate	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Di-n-octylphthalate	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--

Table N-12. Summary Statistics of Additional Analytes at Monitoring Well 199-H3-2A

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H3-2A	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/21/2010	5/13/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-H3-2A	Diphenylamine	No	µg/L	3/21/2010	5/13/2010	1	0	0	0.50	0.50	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Disulfoton	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Dodecane	No	µg/L	10/11/2009	5/13/2010	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H3-2A	Ethyl methanesulfonate	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	Famphur	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-H3-2A	Gamma-BHC (Lindane)	No	µg/L	10/11/2009	5/13/2010	1	0	0	0.70	0.70	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-H3-2A	Hexachlorobenzene	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Hexachlorobutadiene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Hexachlorocyclopentadiene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Hexachloroethane	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Hexachlorophene	No	µg/L	3/21/2010	5/13/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Hexachloropropene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	Isodrin	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	Isophorone	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-H3-2A	Isosafrole	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-H3-2A	Kepone	No	µg/L	3/21/2010	5/13/2010	2	0	0	20	20	--	--	--	--	--	--	4.18E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	m-Dinitrobenzene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Methapyrilene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-H3-2A	Methyl methanesulfonate	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Methyl parathion	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Nitrobenzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Nitrosopyrrolidine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	n-Nitrosodiethylamine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	n-Nitrosodimethylamine	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.50	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism

Table N-12. Summary Statistics of Additional Analytes at Monitoring Well 199-H3-2A

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H3-2A	n-Nitrosodi-n-butylamine	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	n-Nitrosodi-n-dipropylamine	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	n-Nitrosodiphenylamine	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	n-Nitrosomethylethylamine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	n-Nitrosomorpholine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	n-Nitrosopiperidine	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	O,O,O-Triethyl phosphorothioate	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	o-Toluidine	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H3-2A	Parathion	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-H3-2A	p-Dimethylaminoazobenzene	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Pentachlorobenzene	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Pentachloroethane	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Pentachloronitrobenzene (PCNB)	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Pentachlorophenol	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.50	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-H3-2A	Phenacetin	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Phenol	No	µg/L	3/21/2010	5/13/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Phorate	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	p-Phenylenediamine	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Pronamide	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Pyridine	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Safrol	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	sym-Trinitrobenzene	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Tetradecane	No	µg/L	3/21/2010	5/13/2010	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H3-2A	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	10/11/2009	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)

Table N-12. Summary Statistics of Additional Analytes at Monitoring Well 199-H3-2A

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H3-2A	Total cresols	No	µg/L	3/21/2010	5/13/2010	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Tributyl phosphate	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Tris-2-chloroethyl phosphate	No	µg/L	10/11/2009	5/13/2010	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-H3-2A	Acenaphthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Acenaphthylene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	--	--	--
199-H3-2A	Anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Benzo(a)anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H3-2A	Benzo(a)pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H3-2A	Benzo(b)fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H3-2A	Benzo(ghi)perylene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	--	--	--
199-H3-2A	Benzo(k)fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H3-2A	Chrysene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H3-2A	Dibenz[a,h]anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H3-2A	Fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H3-2A	Fluorene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Indeno(1,2,3-cd)pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H3-2A	Naphthalene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H3-2A	Phenanthrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	--	--	--
199-H3-2A	Pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310

Table N-13. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-3

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
335.2_Cyanide																			
199-H4-3	Cyanide	No	µg/L	11/5/2009	5/20/2010	3	0	0	4.0	4.0	--	--	--	8.4	0	DOE/RL-96-61	5.2	0	Clean Water Act -- Freshwater CCC
PCBs by Method 8082																			
199-H4-3	Aroclor-1016	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Aroclor-1221	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Aroclor-1232	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Aroclor-1242	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Aroclor-1248	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Aroclor-1254	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.084	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Aroclor-1260	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.084	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Aroclor-1262	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Aroclor-1268	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-H4-3	1,2,3,3-Tetrachloro-propene	No	µg/L	11/5/2009	11/5/2009	1	1	100	--	--	3.9	3.9	3.9	--	--	--	--	--	--
199-H4-3	1,2,4,5-Tetrachlorobenzene	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	1,2,4-Trichlorobenzene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	1,2,4-Trimethylbenzene	No	µg/L	11/5/2009	11/5/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	1,2-Dichlorobenzene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	1,3-Dichlorobenzene	No	µg/L	11/5/2009	5/20/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	1,4-Dichlorobenzene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.12	0.90	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	1,4-Naphthoquinone	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	1-Naphthylamine	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	2,3,4,6-Tetrachlorophenol	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2,4,5-Trichlorophenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	2,4,6-Trichlorophenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism

Table N-13. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-3

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-3	2,4-Dichlorophenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2,4-Dimethylphenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2,4-Dinitrophenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2,4-Dinitrotoluene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	2,6-Dichlorophenol	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	2,6-Dinitrotoluene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.60	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2-Acetylaminofluorene	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2-Butoxyethanol	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2-Chloronaphthalene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2-Chlorophenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2-Methylnaphthalene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2-Methylphenol (cresol, o-)	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2-Naphthylamine	No	µg/L	11/5/2009	5/20/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2-Nitroaniline	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	2-Nitrophenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	2-Picoline	No	µg/L	11/5/2009	5/20/2010	3	0	0	1.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-3	3,3'-Dichlorobenzidine	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	3,3'-Dimethylbenzidine	No	µg/L	4/22/2010	5/20/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	3+4 Methylphenol (cresol, m+p)	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-H4-3	3-Methylcholanthrene	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	3-Nitroaniline	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	4,6-Dinitro-2-methylphenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.70	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	4-Aminobiphenyl	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	4-Bromophenylphenyl ether	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	4-Chloro-3-methylphenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	4-Chloroaniline	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	4-Chlorophenylphenyl ether	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	4-Methylphenol (cresol, p-)	No	µg/L	4/22/2010	5/20/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	4-Nitroaniline	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-13. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-3

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-3	4-Nitrophenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.60	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	4-Nitroquinoline-1-oxide	No	µg/L	4/22/2010	5/20/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-H4-3	5-Nitro-o-toluidine	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	7,12-Dimethylbenz[a]anthracene	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Acetophenone	No	µg/L	11/5/2009	5/20/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	alpha,alpha-Dimethylphenethylamine	No	µg/L	4/22/2010	5/20/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--
199-H4-3	Aniline	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Aramite	No	µg/L	4/22/2010	5/20/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Azobenzene	No	µg/L	5/20/2010	5/20/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Benzoic acid	No	µg/L	11/5/2009	11/5/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Benzothiazole	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-3	Benzyl alcohol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Bis(2-chloro-1-methylethyl)ether	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Bis(2-Chloroethoxy)methane	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Bis(2-chloroethyl) ether	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Bis(2-ethylhexyl) phthalate	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Butylbenzylphthalate	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Carbazole	No	µg/L	11/5/2009	4/22/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Chlorobenzilate	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Cyclohexanone	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Decane	No	µg/L	11/5/2009	11/5/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-3	Diallate	No	µg/L	4/22/2010	5/20/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Dibenzofuran	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Dibutyl Butylphosphonate	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-3	Diethylphthalate	No	µg/L	11/5/2009	5/20/2010	3	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Dimethoate	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Dimethyl phthalate	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Di-n-butylphthalate	No	µg/L	11/5/2009	5/20/2010	3	1	33	1.0	1.0	3.3	3.3	3.3	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-13. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-3

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-3	Di-n-octylphthalate	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	4/22/2010	5/20/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-H4-3	Diphenylamine	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Disulfoton	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Dodecane	No	µg/L	11/5/2009	11/5/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-3	Ethyl methanesulfonate	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	Famphur	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-H4-3	Gamma-BHC (Lindane)	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-H4-3	Hexachlorobenzene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.60	1.0	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Hexachlorobutadiene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.90	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Hexachlorocyclopentadiene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Hexachloroethane	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.80	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Hexachlorophene	No	µg/L	4/22/2010	5/20/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Hexachloropropene	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	Isodrin	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	Isophorone	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-H4-3	Isosafrole	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-H4-3	Kepone	No	µg/L	4/22/2010	5/20/2010	2	0	0	20	20	--	--	--	--	--	--	4.18E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	m-Dinitrobenzene	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Methapyrilene	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-H4-3	Methyl methanesulfonate	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Methyl parathion	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Nitrobenzene	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Nitrosopyrrolidine	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	n-Nitrosodiethylamine	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	n-Nitrosodimethylamine	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism

Table N-13. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-3

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-3	n-Nitrosodi-n-butylamine	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	n-Nitrosodi-n-dipropylamine	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	n-Nitrosodiphenylamine	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	n-Nitrosomethylethylamine	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	n-Nitrosomorpholine	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	n-Nitrosopiperidine	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	O,O,O-Triethyl phosphorothioate	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	o-Toluidine	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-3	Parathion	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-H4-3	p-Dimethylaminoazobenzene	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Pentachlorobenzene	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Pentachloroethane	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Pentachloronitrobenzene (PCNB)	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Pentachlorophenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-H4-3	Phenacetin	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Phenol	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Phorate	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	p-Phenylenediamine	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Pronamide	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Pyridine	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.90	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Safrol	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	sym-Trinitrobenzene	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Tetradecane	No	µg/L	11/5/2009	11/5/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-3	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	4/22/2010	5/20/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Total cresols	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Tributyl phosphate	No	µg/L	11/5/2009	5/20/2010	3	0	0	0.50	1.0	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-13. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-3

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-3	Tris-2-chloroethyl phosphate	No	µg/L	11/5/2009	11/5/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-H4-3	Acenaphthene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.30	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Acenaphthylene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.28	0.80	--	--	--	--	--	--	--	--	--
199-H4-3	Anthracene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.014	0.40	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Benzo(a)anthracene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.021	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-3	Benzo(a)pyrene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.044	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-3	Benzo(b)fluoranthene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.022	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-3	Benzo(ghi)perylene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.063	0.080	--	--	--	--	--	--	--	--	--
199-H4-3	Benzo(k)fluoranthene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.026	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-3	Chrysene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.015	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-3	Dibenz[a,h]anthracene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.053	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-3	Fluoranthene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.045	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-3	Fluorene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.020	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Indeno(1,2,3-cd)pyrene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.040	0.052	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-3	Naphthalene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.40	0.43	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-3	Phenanthrene	No	µg/L	11/5/2009	5/20/2010	2	1	33	0.040	0.030	0.030	0.030	0.030	--	--	--	--	--	--
199-H4-3	Pyrene	No	µg/L	11/5/2009	5/20/2010	2	0	0	0.023	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310.

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Dioxin like PCB Congeners by Method 1668A																			
199-H4-10	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	6.60E-07	1.40E-06	4.60E-06	4.60E-06	4.60E-06	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.00E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.70E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.40E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.50E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,4',5,6-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,4',5-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.60E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.40E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,4',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.30E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,4'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.40E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.60E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,5,5',6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.70E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,5,5',6-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.70E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,5,5'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.20E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.30E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.20E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,5,6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.30E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4',5,6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.00E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.70E-07	1.30E-06	--	--	--	--	--	--	--	--	--

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	2,2',3,3',4,5,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.90E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.90E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,5-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	7.70E-06	4.90E-06	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,6,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.60E-07	9.60E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.70E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.00E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',4-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	8.00E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.60E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',5,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.10E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.50E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',5,6,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.80E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',5,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.60E-07	2.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.90E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.70E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',6,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.80E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	7.60E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,3'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,4',5,5',6-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.20E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,4',5,5'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	7.60E-07	2.40E-06	1.58E-06	--	--	--	--	--	--
199-H4-10	2,2',3,4,4',5,6,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.50E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,4',5,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.60E-07	1.20E-06	--	--	--	--	--	--	--	--	--

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	2,2',3,4,4',5,6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.70E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,4',5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.70E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,4',5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	7.70E-06	4.90E-06	--	--	--	--	--	--
199-H4-10	2,2',3,4,4',5-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.10E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,4',6,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.90E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,4',6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.00E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,4',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.00E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,4'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.50E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,5,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.70E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4',5,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	4.40E-07	4.40E-07	1.50E-06	1.80E-06	1.65E-06	--	--	--	--	--	--
199-H4-10	2,2',3,4,5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.30E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.80E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,5,6,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.80E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4',5,6,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.30E-07	9.90E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4',5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.70E-06	6.90E-06	4.30E-06	--	--	--	--	--	--
199-H4-10	2,2',3,4',5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.70E-06	6.90E-06	4.30E-06	--	--	--	--	--	--
199-H4-10	2,2',3,4,5,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.90E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4',5,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.40E-07	2.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.80E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.10E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	9.80E-06	5.85E-06	--	--	--	--	--	--

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	2,2',3,4,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	5.70E-07	1.60E-06	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-H4-10	2,2',3,4,5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	5.70E-07	1.60E-06	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-H4-10	2,2',3',4,5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	5.70E-07	1.60E-06	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-H4-10	2,2',3,4,6,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.60E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4',6,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.50E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3',4,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.40E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,6'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	7.40E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.80E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.80E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.10E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,4-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,5,5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.60E-07	2.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.50E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,5,6,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.60E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,5',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	3	100	--	--	1.70E-06	7.10E-06	3.60E-06	--	--	--	--	--	--
199-H4-10	2,2',3,5,6'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	7.40E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,5,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.60E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	1.20E-05	7.05E-06	--	--	--	--	--	--
199-H4-10	2,2',3,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.60E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,6,6'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.50E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,6'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	7.30E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',3,6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	6.20E-07	6.20E-07	2.40E-06	3.00E-06	2.70E-06	--	--	--	--	--	--
199-H4-10	2,2',3-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	8.20E-07	2.20E-06	2.80E-06	2.80E-06	2.80E-06	--	--	--	--	--	--
199-H4-10	2,2',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.70E-06	6.20E-06	3.95E-06	--	--	--	--	--	--
199-H4-10	2,2',4,4',5,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.30E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',4,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.70E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',4,4',6,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.40E-07	1.60E-06	--	--	--	--	--	--	--	--	--

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	2,2',4,4',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.60E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',4,4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	1.20E-05	7.05E-06	--	--	--	--	--	--
199-H4-10	2,2',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	9.80E-06	5.85E-06	--	--	--	--	--	--
199-H4-10	2,2',4,5,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.40E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',4,5',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.50E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',4,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	4.90E-07	3.80E-05	2.00E-06	2.00E-06	2.00E-06	--	--	--	--	--	--
199-H4-10	2,2',4,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.90E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',4,6,6'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.90E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',4,6'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	6.20E-07	6.20E-07	2.40E-06	3.00E-06	2.70E-06	--	--	--	--	--	--
199-H4-10	2,2',4,6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.70E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',4-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.80E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',5,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	5.70E-07	3.80E-05	4.70E-06	4.70E-06	4.70E-06	--	--	--	--	--	--
199-H4-10	2,2',5,6'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.70E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	6.00E-07	5.70E-05	6.70E-06	6.70E-06	6.70E-06	--	--	--	--	--	--
199-H4-10	2,2',6,6'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.80E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2',6-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	8.40E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,2'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.00E-06	5.70E-05	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4,4',5,5',6-Octachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.30E-07	8.50E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4,4',5,5'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.00E-07	7.00E-07	--	--	--	--	--	--	1.35E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	2,3,3',4,4',5,6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.60E-07	9.70E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4,4',5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.60E-07	9.50E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4,4',5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.30E-07	1.80E-06	--	--	--	--	--	--	6.54E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	2,3,3',4,4',5-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.30E-07	1.80E-06	--	--	--	--	--	--	6.37E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	2,3,3',4,4',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.60E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4,4'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.20E-07	7.60E-07	--	--	--	--	--	--	3.07E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	2,3,3',4,5,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	2,3,3',4',5,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	7.60E-07	2.40E-06	1.58E-06	--	--	--	--	--	--
199-H4-10	2,3,3',4,5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.90E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.80E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4,5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	7.70E-06	4.90E-06	--	--	--	--	--	--
199-H4-10	2,3,3',4',5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	7.70E-06	4.90E-06	--	--	--	--	--	--
199-H4-10	2,3,3',4,5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.80E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4',5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.00E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2',3,3',4,5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.60E-07	8.90E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.40E-07	8.30E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4,5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.30E-07	8.10E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.30E-07	7.90E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	5.70E-07	1.60E-06	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-H4-10	2,3,3',4',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	2.00E-06	8.90E-06	5.45E-06	--	--	--	--	--	--
199-H4-10	2,3,3',4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.30E-07	8.30E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',4-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.60E-07	8.90E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',5,5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.20E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.60E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',5,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.00E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',5',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	9.80E-06	5.85E-06	--	--	--	--	--	--
199-H4-10	2,3,3',5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.40E-07	8.40E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.40E-07	8.40E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3',6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.20E-07	8.10E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,3'-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	5.00E-06	3.45E-06	--	--	--	--	--	--
199-H4-10	2,3',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.80E-07	1.60E-06	--	--	--	--	--	--	5.69E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	2,3,4,4',5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.40E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3',4,4',5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.70E-06	6.20E-06	3.95E-06	--	--	--	--	--	--

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	2,3,4,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.20E-07	7.40E-07	--	--	--	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	2',3,4,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.40E-07	8.30E-07	--	--	--	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	2,3',4,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.10E-06	3.70E-06	2.40E-06	--	--	--	3.71E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	2,3,4,4',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	2.00E-06	8.90E-06	5.45E-06	--	--	--	--	--	--
199-H4-10	2,3',4,4',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	5.70E-07	1.60E-06	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-H4-10	2,3,4,4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.50E-07	8.60E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3',4,4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	4.20E-07	3.80E-05	2.40E-06	2.40E-06	2.40E-06	--	--	--	--	--	--
199-H4-10	2',3,4,5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.40E-07	8.30E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.80E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2',3,4,5,6'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	5.70E-07	1.60E-06	2.30E-06	2.30E-06	2.30E-06	--	--	--	--	--	--
199-H4-10	2,3,4,5,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.50E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3',4,5',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.80E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,4',5,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.50E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2',3,4,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.30E-06	4.70E-06	3.00E-06	--	--	--	--	--	--
199-H4-10	2,3',4,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	8.50E-07	4.10E-06	2.48E-06	--	--	--	--	--	--
199-H4-10	2,3,4,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.30E-06	4.70E-06	3.00E-06	--	--	--	--	--	--
199-H4-10	2,3',4,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.90E-07	7.60E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,4',5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.10E-07	7.80E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3',4',5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.30E-06	4.70E-06	3.00E-06	--	--	--	--	--	--
199-H4-10	2,3,4,6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.20E-07	8.10E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3',4,6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	4.90E-07	3.80E-05	2.00E-06	2.00E-06	2.00E-06	--	--	--	--	--	--
199-H4-10	2,3,4',6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	4.00E-07	4.00E-07	1.30E-06	1.60E-06	1.45E-06	--	--	--	--	--	--
199-H4-10	2,3',4',6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	6.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3',4-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.60E-07	6.50E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,4'-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	2.80E-07	3.80E-05	2.50E-06	2.50E-06	2.50E-06	--	--	--	--	--	--
199-H4-10	2,3,4-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.10E-06	3.20E-06	2.15E-06	--	--	--	--	--	--
199-H4-10	2',3,4-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.10E-06	3.20E-06	2.15E-06	--	--	--	--	--	--
199-H4-10	2,3',5,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.30E-07	8.20E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,5,6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	1.20E-05	7.05E-06	--	--	--	--	--	--
199-H4-10	2,3',5',6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.60E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3,5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.90E-07	7.20E-07	--	--	--	--	--	--	--	--	--

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	2',3,5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.80E-07	7.10E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,3',5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	2.70E-07	6.90E-07	1.80E-06	1.80E-06	1.80E-06	--	--	--	--	--	--
199-H4-10	2,3,6-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	5.70E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3',6-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.90E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-10	2,3'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	2.30E-06	3.80E-05	3.60E-06	3.60E-06	3.60E-06	--	--	--	--	--	--
199-H4-10	2,3-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	2.40E-06	2.70E-06	2.20E-06	2.20E-06	2.20E-06	--	--	--	--	--	--
199-H4-10	2,4,4',5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.30E-06	4.70E-06	3.00E-06	--	--	--	--	--	--
199-H4-10	2,4,4',6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.20E-07	8.10E-07	--	--	--	--	--	--	--	--	--
199-H4-10	2,4,4'-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.90E-06	5.00E-06	3.45E-06	--	--	--	--	--	--
199-H4-10	2,4,5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	2.70E-07	6.90E-07	1.80E-06	1.80E-06	1.80E-06	--	--	--	--	--	--
199-H4-10	2,4',5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	1.40E-06	5.00E-06	3.20E-06	--	--	--	--	--	--
199-H4-10	2,4,6-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	6.00E-07	5.70E-05	6.70E-06	6.70E-06	6.70E-06	--	--	--	--	--	--
199-H4-10	2,4',6-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	4.80E-07	3.80E-05	3.30E-06	3.30E-06	3.30E-06	--	--	--	--	--	--
199-H4-10	2,4'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	5.70E-05	5.70E-05	1.90E-06	7.60E-06	4.75E-06	--	--	--	--	--	--
199-H4-10	2,4-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	4.50E-06	3.30E-06	--	--	--	--	--	--
199-H4-10	2,5-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	2.30E-06	2.30E-06	1.20E-06	2.00E-06	1.60E-06	--	--	--	--	--	--
199-H4-10	2,6-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	2.50E-06	2.80E-06	2.60E-06	2.60E-06	2.60E-06	--	--	--	--	--	--
199-H4-10	2-Monochlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	3.80E-05	3.80E-05	6.70E-07	3.60E-06	2.14E-06	--	--	--	--	--	--
199-H4-10	3,3',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.70E-07	7.70E-07	--	--	--	--	--	--	1.78E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	3,3',4,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.30E-07	7.60E-07	--	--	--	--	--	--	6.92E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	3,3',4,4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.10E-07	7.80E-07	--	--	--	--	--	--	0.0067	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	3,3',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.30E-07	8.00E-07	--	--	--	--	--	--	--	--	--
199-H4-10	3,3',4,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.00E-07	7.60E-07	--	--	--	--	--	--	--	--	--
199-H4-10	3,3',4,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.50E-07	8.70E-07	--	--	--	--	--	--	--	--	--
199-H4-10	3,3',4-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.90E-07	7.30E-07	--	--	--	--	--	--	--	--	--
199-H4-10	3,3',5,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.90E-07	7.50E-07	--	--	--	--	--	--	--	--	--
199-H4-10	3,3',5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.80E-07	7.10E-07	--	--	--	--	--	--	--	--	--
199-H4-10	3,3'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	5.70E-05	5.70E-05	6.20E-06	1.90E-05	1.26E-05	--	--	--	--	--	--
199-H4-10	3,4,4',5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	4.10E-07	8.00E-07	--	--	--	--	--	--	6.13E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	3,4,4'-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	2.90E-07	3.80E-05	2.40E-06	2.40E-06	2.40E-06	--	--	--	--	--	--

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	3,4,5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	3.00E-07	7.50E-07	--	--	--	--	--	--	--	--	--
199-H4-10	3,4',5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.60E-07	6.60E-07	--	--	--	--	--	--	--	--	--
199-H4-10	3,4'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	2.30E-06	2.30E-06	2.00E-06	6.10E-06	4.05E-06	--	--	--	--	--	--
199-H4-10	3,4-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	2.30E-06	2.30E-06	2.00E-06	6.10E-06	4.05E-06	--	--	--	--	--	--
199-H4-10	3,5-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	0	0	2.00E-06	2.40E-06	--	--	--	--	--	--	--	--	--
199-H4-10	3-Monochlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	2	67	2.00E-07	2.00E-07	1.30E-06	6.80E-06	4.05E-06	--	--	--	--	--	--
199-H4-10	4,4'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	2.40E-06	3.80E-05	5.70E-06	5.70E-06	5.70E-06	--	--	--	--	--	--
199-H4-10	4-Monochlorobiphenyl	No	µg/L	10/11/2009	5/16/2010	3	1	33	2.40E-07	5.10E-07	5.00E-06	5.00E-06	5.00E-06	--	--	--	--	--	--
PCBs by Method 8082																			
199-H4-10	Aroclor-1016	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Aroclor-1221	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Aroclor-1232	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Aroclor-1242	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Aroclor-1248	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Aroclor-1254	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Aroclor-1260	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Aroclor-1262	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Aroclor-1268	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-H4-10	1,2,4-Trichlorobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	--	--	--
199-H4-10	1,2,4-Trimethylbenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-10	1,2-Dichlorobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	--	--	--
199-H4-10	1,3-Dichlorobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-10	1,4-Dichlorobenzene	No	µg/L	10/11/2009	10/11/2009	3	0	0	0.12	0.90	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2,4,5-Trichlorophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	2,4,6-Trichlorophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	2,4-Dichlorophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2,4-Dimethylphenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2,4-Dinitrophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2,4-Dinitrotoluene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	2,6-Dinitrotoluene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2-Butoxyethanol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2-Chloronaphthalene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2-Chlorophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2-Methylnaphthalene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2-Methylphenol (cresol, o-)	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2-Naphthylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2-Nitroaniline	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	2-Nitrophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-10	2-Picoline	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-10	3,3'-Dichlorobenzidine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-H4-10	3-Nitroaniline	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	4,6-Dinitro-2-methylphenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	4-Bromophenylphenyl ether	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-10	4-Chloro-3-methylphenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	4-Chloroaniline	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	4-Chlorophenylphenyl ether	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-10	4-Nitroaniline	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	4-Nitrophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Acenaphthylene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-H4-10	Acetophenone	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Benzoic acid	No	µg/L	10/11/2009	10/11/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	Benzothiazole	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-10	Benzyl alcohol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Bis(2-Chloroethoxy)methane	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Bis(2-chloroethyl) ether	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Bis(2-ethylhexyl) phthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Gamma-BHC (Lindane)	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-H4-10	Butylbenzylphthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	Carbazole	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	Cyclohexanone	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Decane	No	µg/L	10/11/2009	10/11/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-10	Dibenzofuran	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	Dibutyl Butylphosphonate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-10	Diethylphthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Dimethoate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Dimethyl phthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Di-n-butylphthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Di-n-octylphthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	--	--	--
199-H4-10	Diphenylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Dodecane	No	µg/L	10/11/2009	10/11/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-10	Hexachlorobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Hexachlorobutadiene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Hexachlorocyclopentadiene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Hexachloroethane	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Isophorone	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	Nitrobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	n-Nitrosodimethylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	n-Nitrosodi-n-dipropylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	n-Nitrosodiphenylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Pentachlorophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-H4-10	Phenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Pyridine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Tetradecane	No	µg/L	10/11/2009	10/11/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-10	Total cresols	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Tributyl phosphate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Tris-2-chloroethyl phosphate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-H4-10	Acenaphthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	Anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Benzo(a)anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-10	Benzo(a)pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-10	Benzo(b)fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-10	Benzo(ghi)perylene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	--	--	--
199-H4-10	Benzo(k)fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-10	Chrysene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-10	Dibenz[a,h]anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-10	Fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-10	Fluorene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-10	Indeno(1,2,3-cd)pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-10	Naphthalene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-14. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-10

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-10	Phenanthrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.056	0.056	--	--	--	--	--	--	--	--	--
199-H4-10	Pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310.

Table N-15. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-11

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
PCBs by Method 8082																			
199-H4-11	Aroclor-1016	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Aroclor-1221	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Aroclor-1232	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Aroclor-1242	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Aroclor-1248	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Aroclor-1254	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.084	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Aroclor-1260	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.084	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Aroclor-1262	No	µg/L	10/21/2009	10/21/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Aroclor-1268	No	µg/L	10/21/2009	10/21/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-H4-11	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	1,2,4-Trichlorobenzene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	1,2-Dichlorobenzene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	1,3-Dichlorobenzene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	1,4-Dichlorobenzene	No	µg/L	3/21/2010	5/18/2010	3	0	0	0.12	1.0	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	1,4-Naphthoquinone	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	1-Naphthylamine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	2,3,4,6-Tetrachlorophenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2,4,5-Trichlorophenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	2,4,6-Trichlorophenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	2,4-Dichlorophenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2,4-Dimethylphenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2,4-Dinitrophenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2,4-Dinitrotoluene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism

Table N-15. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-11

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-11	2,6-Dichlorophenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	2,6-Dinitrotoluene	No	µg/L	3/21/2010	5/18/2010	2	0	0	2.2	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2-Acetylaminofluorene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2-Chloronaphthalene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2-Chlorophenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2-Methylnaphthalene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2-Methylphenol (cresol, o-)	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2-Naphthylamine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2-Nitroaniline	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	2-Nitrophenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	2-Picoline	No	µg/L	3/21/2010	5/18/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-11	3,3'-Dichlorobenzidine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	3,3'-Dimethylbenzidine	No	µg/L	3/21/2010	5/18/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	3-Methylcholanthrene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	3-Nitroaniline	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	4,6-Dinitro-2-methylphenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	4-Aminobiphenyl	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	4-Bromophenylphenyl ether	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	4-Chloro-3-methylphenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	4-Chloroaniline	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	4-Chlorophenylphenyl ether	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	4-Methylphenol (cresol, p-)	No	µg/L	3/21/2010	5/18/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	4-Nitroaniline	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	4-Nitrophenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	4-Nitroquinoline-1-oxide	No	µg/L	3/21/2010	5/18/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-H4-11	5-Nitro-o-toluidine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Acetophenone	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/21/2010	5/18/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--

Table N-15. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-11

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-11	Aniline	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Aramite	No	µg/L	3/21/2010	5/18/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Azobenzene	No	µg/L	5/18/2010	5/18/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Benzyl alcohol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Bis(2-chloro-1-methylethyl)ether	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Bis(2-Chloroethoxy)methane	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Bis(2-chloroethyl) ether	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Bis(2-ethylhexyl) phthalate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Butylbenzylphthalate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Carbazole	No	µg/L	3/21/2010	3/21/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Chlorobenzilate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Diallate	No	µg/L	3/21/2010	5/18/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Dibenzofuran	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Diethylphthalate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Dimethoate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Dimethyl phthalate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Di-n-butylphthalate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Di-n-octylphthalate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/21/2010	5/18/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-H4-11	Disulfoton	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Ethyl methanesulfonate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	Famphur	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-H4-11	Hexachlorobenzene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Hexachlorobutadiene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Hexachlorocyclopentadiene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Hexachloroethane	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism

Table N-15. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-11

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-11	Hexachlorophene	No	µg/L	3/21/2010	5/18/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Hexachloropropene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	Isodrin	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	Isophorone	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-H4-11	Isosafrole	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-H4-11	Kepone	No	µg/L	3/21/2010	5/18/2010	2	0	0	20	20	--	--	--	--	--	--	4.18E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	m-Dinitrobenzene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Methapyrilene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-H4-11	Methyl methanesulfonate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Methyl parathion	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Nitrobenzene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Nitrosopyrrolidine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	n-Nitrosodiethylamine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	n-Nitrosodimethylamine	No	µg/L	3/21/2010	5/18/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	n-Nitrosodi-n-butylamine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	n-Nitrosodi-n-dipropylamine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	n-Nitrosodiphenylamine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	n-Nitrosomethylethylamine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	n-Nitrosomorpholine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	n-Nitrosopiperidine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	O,O,O-Triethyl phosphorothioate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	o-Toluidine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-11	Parathion	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-H4-11	p-Dimethylaminoazobenzene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Pentachlorobenzene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism

Table N-15. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-11

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-11	Pentachloroethane	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Pentachloronitrobenzene (PCNB)	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Pentachlorophenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-H4-11	Phenacetin	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Phenol	No	µg/L	3/21/2010	5/18/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Phorate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	p-Phenylenediamine	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Pronamide	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Pyridine	No	µg/L	3/21/2010	5/18/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Safrol	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	sym-Trinitrobenzene	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Tributyl phosphate	No	µg/L	3/21/2010	5/18/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-H4-11	Acenaphthene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.30	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Acenaphthylene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.28	0.80	--	--	--	--	--	--	--	--	--
199-H4-11	Anthracene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.014	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Benzo(a)anthracene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.021	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-11	Benzo(a)pyrene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.044	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-11	Benzo(b)fluoranthene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.022	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-11	Benzo(ghi)perylene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.063	0.080	--	--	--	--	--	--	--	--	--
199-H4-11	Benzo(k)fluoranthene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.026	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-11	Chrysene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.015	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-11	Dibenz[a,h]anthracene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.053	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-11	Fluoranthene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.045	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-11	Fluorene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.020	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-15. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-11

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-11	Indeno(1,2,3-cd)pyrene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.040	0.052	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-11	Naphthalene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.40	0.43	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-11	Phenanthrene	No	µg/L	10/21/2009	5/18/2010	2	1	33	0.040	0.040	0.039	0.039	0.039	--	--	--	--	--	--
199-H4-11	Pyrene	No	µg/L	10/21/2009	5/18/2010	2	0	0	0.023	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310.

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Dioxin like PCB Congeners by Method 1668A																			
199-H4-13	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	7.30E-07	2.20E-06	4.60E-06	4.60E-06	4.60E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.40E-07	2.60E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	1.40E-06	1.40E-06	7.90E-07	1.10E-06	9.45E-07	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.20E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.20E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,4',5,6-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	5.60E-07	1.50E-06	4.80E-07	4.80E-07	4.80E-07	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,4',5-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	2.00E-06	2.00E-06	6.20E-06	6.40E-06	6.30E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.10E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,4',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	1.10E-06	2.40E-06	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,4'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	7.10E-06	8.30E-06	7.70E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.30E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,5,5',6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	2.30E-06	2.30E-06	1.40E-06	2.10E-06	1.75E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,5,5',6-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	2.30E-06	2.30E-06	1.40E-06	2.10E-06	1.75E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,5,5'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	6.10E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.10E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.00E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,5,6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	1.10E-06	2.40E-06	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',4',5,6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	4.40E-06	5.00E-06	4.70E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.50E-07	2.10E-06	--	--	--	--	--	--	--	--	--

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	2,2',3,3',4,5,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.00E-05	1.10E-05	1.05E-05	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	2.90E-06	2.90E-06	2.10E-06	2.90E-06	2.50E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,5-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	6.10E-05	6.10E-05	6.50E-05	6.60E-05	6.55E-05	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,6,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	7.40E-07	1.60E-06	8.80E-07	8.80E-07	8.80E-07	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.20E-05	1.50E-05	1.35E-05	--	--	--	--	--	--
199-H4-13	2,2',3,3',4,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	8.10E-07	3.00E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',4-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	9.00E-07	4.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.40E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',5,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	2.30E-06	2.30E-06	2.00E-06	2.20E-06	2.10E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	7.50E-07	2.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3',5,6,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	5.70E-06	6.20E-06	5.87E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',5,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	1.90E-05	3.70E-05	2.70E-05	--	--	--	--	--	--
199-H4-13	2,2',3,3',5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	2.90E-06	2.90E-06	1.60E-06	2.60E-06	2.10E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.40E-05	1.60E-05	1.50E-05	--	--	--	--	--	--
199-H4-13	2,2',3,3',6,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	4.10E-06	9.00E-06	6.07E-06	--	--	--	--	--	--
199-H4-13	2,2',3,3',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	8.60E-07	4.50E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,3'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.90E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4,4',5,5',6-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.90E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4,4',5,5'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.90E-05	2.00E-05	1.95E-05	--	--	--	--	--	--
199-H4-13	2,2',3,4,4',5,6,6'-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.30E-07	1.70E-06	--	--	--	--	--	--	--	--	--

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	2,2',3,4,4',5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	5.70E-06	7.70E-06	6.60E-06	--	--	--	--	--	--
199-H4-13	2,2',3,4,4',5,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.30E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4,4',5,6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.50E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4,4',5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	6.10E-05	6.10E-05	6.50E-05	6.60E-05	6.55E-05	--	--	--	--	--	--
199-H4-13	2,2',3,4,4',5-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.80E-06	2.40E-06	2.10E-06	--	--	--	--	--	--
199-H4-13	2,2',3,4,4',6,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.50E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4,4',6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	1.20E-06	2.50E-06	8.30E-07	8.30E-07	8.30E-07	--	--	--	--	--	--
199-H4-13	2,2',3,4,4',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	1.20E-06	2.50E-06	8.30E-07	8.30E-07	8.30E-07	--	--	--	--	--	--
199-H4-13	2,2',3,4,4'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	6.50E-06	9.20E-06	8.03E-06	--	--	--	--	--	--
199-H4-13	2,2',3,4,5,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	5.70E-06	7.70E-06	6.60E-06	--	--	--	--	--	--
199-H4-13	2,2',3,4',5,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.40E-05	1.50E-05	1.45E-05	--	--	--	--	--	--
199-H4-13	2,2',3,4,5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	7.30E-06	1.20E-05	9.65E-06	--	--	--	--	--	--
199-H4-13	2,2',3,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	6.10E-06	8.20E-06	7.15E-06	--	--	--	--	--	--
199-H4-13	2,2',3,4,5,6,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.40E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4',5,6,6'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.80E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4',5,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	8.20E-07	5.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4,5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	7.80E-07	2.80E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4',5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	4.40E-05	4.60E-05	4.50E-05	--	--	--	--	--	--
199-H4-13	2,2',3,4,5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	7.80E-07	5.40E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4',5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	4.40E-05	4.60E-05	4.50E-05	--	--	--	--	--	--

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	2,2',3,4,5,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	2.90E-06	2.90E-06	1.60E-06	2.60E-06	2.10E-06	--	--	--	--	--	--
199-H4-13	2,2',3,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	3.30E-05	6.10E-05	4.67E-05	--	--	--	--	--	--
199-H4-13	2,2',3,4,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.00E-05	1.50E-05	1.25E-05	--	--	--	--	--	--
199-H4-13	2,2',3,4,5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.00E-05	1.50E-05	1.25E-05	--	--	--	--	--	--
199-H4-13	2,2',3',4,5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.00E-05	1.50E-05	1.25E-05	--	--	--	--	--	--
199-H4-13	2,2',3,4,6,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.90E-07	4.10E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4',6,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.70E-07	4.00E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	4.00E-06	4.00E-06	2.70E-06	4.30E-06	3.50E-06	--	--	--	--	--	--
199-H4-13	2,2',3',4,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	7.10E-07	3.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	4.00E-06	4.00E-06	2.70E-06	4.30E-06	3.50E-06	--	--	--	--	--	--
199-H4-13	2,2',3,4,6'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	8.30E-07	4.30E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.00E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,4-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.90E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,5,5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	1.90E-05	3.70E-05	2.70E-05	--	--	--	--	--	--
199-H4-13	2,2',3,5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	5.80E-06	1.10E-05	7.70E-06	--	--	--	--	--	--
199-H4-13	2,2',3,5,6,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.80E-07	4.00E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,5',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.60E-05	3.00E-05	2.30E-05	--	--	--	--	--	--
199-H4-13	2,2',3,5,6'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	8.30E-07	4.30E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,5,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	7.40E-07	3.80E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	3.50E-06	3.50E-06	3.50E-06	--	--	--	--	--	--
199-H4-13	2,2',3,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.60E-07	1.80E-06	--	--	--	--	--	--	--	--	--

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	2,2',3,6,6'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	6.20E-07	3.20E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,6'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	6.00E-07	2.40E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3,6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.10E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',3-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	6.90E-07	3.10E-06	5.20E-06	5.20E-06	5.20E-06	--	--	--	--	--	--
199-H4-13	2,2',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	5.40E-05	5.40E-05	5.60E-05	5.90E-05	5.75E-05	--	--	--	--	--	--
199-H4-13	2,2',4,4',5,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	6.80E-07	4.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',4,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.40E-05	1.60E-05	1.50E-05	--	--	--	--	--	--
199-H4-13	2,2',4,4',6,6'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.60E-07	3.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',4,4',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	7.40E-07	3.80E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',4,4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	3.50E-06	3.50E-06	3.50E-06	--	--	--	--	--	--
199-H4-13	2,2',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	3.30E-05	6.10E-05	4.67E-05	--	--	--	--	--	--
199-H4-13	2,2',4,5,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	7.10E-07	3.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',4,5',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	7.30E-07	3.80E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',4,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	2.80E-06	2.80E-06	2.80E-06	--	--	--	--	--	--
199-H4-13	2,2',4,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.80E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',4,6,6'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.50E-07	2.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',4,6'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.10E-07	2.00E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',4,6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.70E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',4-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.70E-07	2.60E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',5,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	2.40E-05	3.20E-05	2.80E-05	--	--	--	--	--	--
199-H4-13	2,2',5,6'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.70E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	5.70E-05	5.70E-05	3.50E-06	3.50E-06	3.50E-06	--	--	--	--	--	--
199-H4-13	2,2',6,6'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.00E-07	3.10E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2',6-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	7.00E-07	3.20E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,2'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	5.70E-05	5.70E-05	2.20E-06	7.80E-06	5.00E-06	--	--	--	--	--	--

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	2,3,3',4,4',5,5',6-Octachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	2.10E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',4,4',5,5'-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	2.30E-07	1.20E-06	--	--	--	--	--	--	1.35E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	2,3,3',4,4',5,6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.20E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',4,4',5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.20E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',4,4',5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	3.10E-06	3.40E-06	3.25E-06	--	--	--	6.54E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	2,3,3',4,4',5-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	3.10E-06	3.40E-06	3.25E-06	--	--	--	6.37E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	2,3,3',4,4',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	5.70E-06	6.00E-06	5.85E-06	--	--	--	--	--	--
199-H4-13	2,3,3',4,4'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	8.70E-06	1.30E-05	1.09E-05	--	--	--	3.07E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	2,3,3',4,5,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.60E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',4',5,5',6-Heptachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.90E-05	2.00E-05	1.95E-05	--	--	--	--	--	--
199-H4-13	2,3,3',4,5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.20E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',4',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.10E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',4,5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	6.10E-05	6.10E-05	6.50E-05	6.60E-05	6.55E-05	--	--	--	--	--	--
199-H4-13	2,3,3',4',5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	6.10E-05	6.10E-05	6.50E-05	6.60E-05	6.55E-05	--	--	--	--	--	--
199-H4-13	2,3,3',4,5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.20E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',4',5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	2.10E-06	3.20E-06	2.65E-06	--	--	--	--	--	--
199-H4-13	2,3,3',4,5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.00E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2',3,3',4,5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	7.30E-07	1.50E-06	5.20E-07	5.20E-07	5.20E-07	--	--	--	--	--	--
199-H4-13	2,3,3',4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	1.30E-06	1.30E-06	1.70E-06	2.60E-06	2.15E-06	--	--	--	--	--	--
199-H4-13	2,3,3',4,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.00E-06	1.60E-06	1.30E-06	--	--	--	--	--	--

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	2,3,3',4,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	1.00E-05	2.30E-05	1.60E-05	--	--	--	--	--	--
199-H4-13	2,3,3',4',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	5.00E-05	7.70E-05	6.13E-05	--	--	--	--	--	--
199-H4-13	2,3,3',4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	1.40E-06	1.40E-06	1.90E-06	3.00E-06	2.45E-06	--	--	--	--	--	--
199-H4-13	2,3,3',4-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.80E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',5,5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.70E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.20E-07	2.70E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',5,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.60E-07	2.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',5',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	3.30E-05	6.10E-05	4.67E-05	--	--	--	--	--	--
199-H4-13	2,3,3',5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.60E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.60E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3',6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.50E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,3'-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	7.30E-06	7.30E-06	7.30E-06	--	--	--	--	--	--
199-H4-13	2,3',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	1.40E-06	1.40E-06	8.00E-07	1.20E-06	1.00E-06	--	--	--	5.69E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	2,3,4,4',5,6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	7.10E-06	8.30E-06	7.70E-06	--	--	--	--	--	--
199-H4-13	2,3',4,4',5',6-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	5.40E-05	5.40E-05	5.60E-05	5.90E-05	5.75E-05	--	--	--	--	--	--
199-H4-13	2,3,4,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	6.10E-07	1.30E-06	6.90E-07	6.90E-07	6.90E-07	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	2',3,4,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	1.40E-06	1.40E-06	3.60E-07	9.40E-07	6.50E-07	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	2,3',4,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	3.00E-05	4.40E-05	3.70E-05	--	--	--	3.71E-05	1	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	2,3,4,4',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	5.00E-05	7.70E-05	6.13E-05	--	--	--	--	--	--
199-H4-13	2,3',4,4',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.00E-05	1.50E-05	1.25E-05	--	--	--	--	--	--
199-H4-13	2,3,4,4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	1.50E-06	1.50E-06	9.30E-07	2.30E-06	1.62E-06	--	--	--	--	--	--
199-H4-13	2,3',4,4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	4.80E-06	4.80E-06	4.80E-06	--	--	--	--	--	--
199-H4-13	2',3,4,5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	1.40E-06	1.40E-06	1.00E-06	1.60E-06	1.30E-06	--	--	--	--	--	--

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	2,3',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.40E-07	2.80E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2',3,4,5,6'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.00E-05	1.50E-05	1.25E-05	--	--	--	--	--	--
199-H4-13	2,3,4,5,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	6.50E-06	9.20E-06	7.85E-06	--	--	--	--	--	--
199-H4-13	2,3',4,5',6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	5.40E-07	2.80E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,4',5,6-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	6.50E-06	9.20E-06	7.85E-06	--	--	--	--	--	--
199-H4-13	2,3',4,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.30E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,4,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.60E-05	2.50E-05	2.05E-05	--	--	--	--	--	--
199-H4-13	2',3,4,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.60E-05	2.50E-05	2.05E-05	--	--	--	--	--	--
199-H4-13	2,3',4,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.20E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,4',5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.30E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3',4',5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.60E-05	2.50E-05	2.05E-05	--	--	--	--	--	--
199-H4-13	2,3,4,6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.50E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3',4,6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	2.80E-06	2.80E-06	2.80E-06	--	--	--	--	--	--
199-H4-13	2,3,4',6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	5.00E-06	7.80E-06	5.97E-06	--	--	--	--	--	--
199-H4-13	2,3',4',6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.90E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3',4-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	2.10E-07	9.60E-07	9.40E-07	9.40E-07	9.40E-07	--	--	--	--	--	--
199-H4-13	2,3,4'-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	2.60E-06	2.60E-06	2.60E-06	--	--	--	--	--	--
199-H4-13	2,3,4-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-H4-13	2',3,4-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-H4-13	2,3',5,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.50E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,5,6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	3.50E-06	3.50E-06	3.50E-06	--	--	--	--	--	--
199-H4-13	2,3',5',6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.60E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3,5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	2.30E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2',3,5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	2.30E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3',5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.40E-06	1.40E-06	1.40E-06	--	--	--	--	--	--
199-H4-13	2,3,6-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.80E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3',6-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	4.10E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,3'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.60E-06	3.80E-05	--	--	--	--	--	--	--	--	--

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	2,3-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.70E-06	6.80E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,4,4',5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.60E-05	2.50E-05	2.05E-05	--	--	--	--	--	--
199-H4-13	2,4,4',6-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.50E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,4,4'-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	7.30E-06	7.30E-06	7.30E-06	--	--	--	--	--	--
199-H4-13	2,4,5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.40E-06	1.40E-06	1.40E-06	--	--	--	--	--	--
199-H4-13	2,4',5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.20E-05	1.20E-05	1.20E-05	--	--	--	--	--	--
199-H4-13	2,4,6-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	5.70E-05	5.70E-05	3.50E-06	3.50E-06	3.50E-06	--	--	--	--	--	--
199-H4-13	2,4',6-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.50E-06	3.10E-06	2.30E-06	--	--	--	--	--	--
199-H4-13	2,4'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	5.70E-05	5.70E-05	3.50E-06	3.50E-06	3.50E-06	--	--	--	--	--	--
199-H4-13	2,4-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-H4-13	2,5-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.60E-06	6.60E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2,6-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.70E-06	7.10E-06	--	--	--	--	--	--	--	--	--
199-H4-13	2-Monochlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.10E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-13	3,3',4,4',5,5'-Hexachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.60E-07	1.40E-06	--	--	--	--	--	--	1.78E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	3,3',4,4',5-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	2.90E-07	1.30E-06	--	--	--	--	--	--	6.92E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	3,3',4,4'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.40E-07	1.30E-06	--	--	--	--	--	--	0.0067	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	3,3',4,5,5'-Pentachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	2.90E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-13	3,3',4,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.30E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-13	3,3',4,5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.70E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-13	3,3',4-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	2.40E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-13	3,3',5,5'-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.20E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-13	3,3',5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	2.30E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-13	3,3'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	5.70E-05	5.70E-05	6.20E-06	6.20E-06	6.20E-06	--	--	--	--	--	--
199-H4-13	3,4,4',5-Tetrachlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	3.40E-07	1.40E-06	--	--	--	--	--	--	6.13E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	3,4,4'-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.40E-06	1.40E-06	1.40E-06	--	--	--	--	--	--
199-H4-13	3,4,5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	2.40E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-13	3,4',5-Trichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	2.20E-07	9.80E-07	--	--	--	--	--	--	--	--	--
199-H4-13	3,4'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	1.60E-06	5.70E-05	1.40E-06	1.40E-06	1.40E-06	--	--	--	--	--	--
199-H4-13	3,4-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	1.60E-06	5.70E-05	1.40E-06	1.40E-06	1.40E-06	--	--	--	--	--	--

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	3,5-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.40E-06	5.60E-06	--	--	--	--	--	--	--	--	--
199-H4-13	3-Monochlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.30E-07	6.70E-07	--	--	--	--	--	--	--	--	--
199-H4-13	4,4'-Dichlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	2.80E-06	2.80E-06	2.80E-06	--	--	--	--	--	--
199-H4-13	4-Monochlorobiphenyl	No	µg/L	10/11/2009	5/13/2010	3	0	0	1.50E-07	3.80E-05	--	--	--	--	--	--	--	--	--
PCBs by Method 8082																			
199-H4-13	Aroclor-1016	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Aroclor-1221	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Aroclor-1232	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Aroclor-1242	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Aroclor-1248	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Aroclor-1254	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Aroclor-1260	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Aroclor-1262	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Aroclor-1268	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-H4-13	1,2,4-Trichlorobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	--	--	--
199-H4-13	1,2,4-Trimethylbenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-13	1,2-Dichlorobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	--	--	--
199-H4-13	1,3-Dichlorobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-13	1,4-Dichlorobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2,4,5-Trichlorophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	2,4,6-Trichlorophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	2,4-Dichlorophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2,4-Dimethylphenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2,4-Dinitrophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	2,4-Dinitrotoluene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	2,6-Dinitrotoluene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2-Butoxyethanol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2-Chloronaphthalene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2-Chlorophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2-Methylnaphthalene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2-Methylphenol (cresol, o-)	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2-Naphthylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2-Nitroaniline	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	2-Nitrophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-13	2-Picoline	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-13	3,3'-Dichlorobenzidine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-H4-13	3-Nitroaniline	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	4,6-Dinitro-2-methylphenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	4-Bromophenylphenyl ether	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-13	4-Chloro-3-methylphenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	4-Chloroaniline	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	4-Chlorophenylphenyl ether	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-13	4-Nitroaniline	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	4-Nitrophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Acenaphthylene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-H4-13	Acetophenone	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Benzoic acid	No	µg/L	10/11/2009	10/11/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Benzothiazole	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-13	Benzyl alcohol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Bis(2-Chloroethoxy)methane	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	Bis(2-chloroethyl) ether	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Bis(2-ethylhexyl) phthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Butylbenzylphthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	Carbazole	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	Cyclohexanone	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Decane	No	µg/L	10/11/2009	10/11/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-13	Dibenzofuran	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	Dibutyl Butylphosphonate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-13	Diethylphthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Dimethoate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Dimethyl phthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Di-n-butylphthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Di-n-octylphthalate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	--	--	--
199-H4-13	Diphenylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Dodecane	No	µg/L	10/11/2009	10/11/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-13	Gamma-BHC (Lindane)	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-H4-13	Hexachlorobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Hexachlorobutadiene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Hexachlorocyclopentadiene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Hexachloroethane	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Isophorone	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-H4-13	Nitrobenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	n-Nitrosodimethylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	n-Nitrosodi-n-dipropylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-13	n-Nitrosodiphenylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Pentachlorophenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-H4-13	Phenol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Pyridine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Tetradecane	No	µg/L	10/11/2009	10/11/2009	1	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-13	Total cresols	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Tributyl phosphate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Tris-2-chloroethyl phosphate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-H4-13	Acenaphthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	Anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Benzo(a)anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-13	Benzo(a)pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-13	Benzo(b)fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-13	Benzo(ghi)perylene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	--	--	--
199-H4-13	Benzo(k)fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-13	Chrysene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-13	Dibenz[a,h]anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-13	Fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-13	Fluorene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.08	0.08	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Indeno(1,2,3-cd)pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.04	0.04	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-13	Naphthalene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.4	0.4	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-13	Phenanthrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.045	0.045	--	--	--	--	--	--	--	--	--
199-H4-13	Pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-16. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-13

Site	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards.""

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310.

Table N-17. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-16

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
PCBs by Method 8082																			
199-H4-16	Aroclor-1016	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Aroclor-1221	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Aroclor-1232	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Aroclor-1242	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Aroclor-1248	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Aroclor-1254	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Aroclor-1260	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Aroclor-1262	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Aroclor-1268	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-H4-16	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	1,2,4-Trichlorobenzene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	1,2-Dichlorobenzene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	1,3-Dichlorobenzene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	1,4-Dichlorobenzene	No	µg/L	3/21/2010	6/11/2010	3	0	0	0.12	1.0	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	1,4-Naphthoquinone	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	1-Naphthylamine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	2,3,4,6-Tetrachlorophenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2,4,5-Trichlorophenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	2,4,6-Trichlorophenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	2,4-Dichlorophenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2,4-Dimethylphenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2,4-Dinitrophenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2,4-Dinitrotoluene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism

Table N-17. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-16

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-16	2,6-Dichlorophenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	2,6-Dinitrotoluene	No	µg/L	3/21/2010	6/11/2010	2	0	0	2.2	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2-Acetylaminofluorene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2-Chloronaphthalene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2-Chlorophenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2-Methylnaphthalene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2-Methylphenol (cresol, o-)	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2-Naphthylamine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2-Nitroaniline	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	2-Nitrophenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	2-Picoline	No	µg/L	3/21/2010	6/11/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	--	--	--
199-H4-16	3,3'-Dichlorobenzidine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	3,3'-Dimethylbenzidine	No	µg/L	3/21/2010	6/11/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	3-Methylcholanthrene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	3-Nitroaniline	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	4,6-Dinitro-2-methylphenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	4-Aminobiphenyl	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	4-Bromophenylphenyl ether	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	4-Chloro-3-methylphenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	4-Chloroaniline	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	4-Chlorophenylphenyl ether	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	4-Methylphenol (cresol, p-)	No	µg/L	3/21/2010	6/11/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	4-Nitroaniline	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	4-Nitrophenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	4-Nitroquinoline-1-oxide	No	µg/L	3/21/2010	6/11/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-H4-16	5-Nitro-o-toluidine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Acetophenone	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/21/2010	6/11/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--

Table N-17. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-16

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-16	Aniline	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Aramite	No	µg/L	3/21/2010	6/11/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Azobenzene	No	µg/L	6/11/2010	6/11/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Benzyl alcohol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Bis(2-chloro-1-methylethyl)ether	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Bis(2-Chloroethoxy)methane	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Bis(2-chloroethyl) ether	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Bis(2-ethylhexyl) phthalate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Butylbenzylphthalate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Carbazole	No	µg/L	3/21/2010	3/21/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Chlorobenzilate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Diallate	No	µg/L	3/21/2010	6/11/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Dibenzofuran	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Diethylphthalate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Dimethoate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Dimethyl phthalate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Di-n-butylphthalate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Di-n-octylphthalate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/21/2010	6/11/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-H4-16	Disulfoton	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Ethyl methanesulfonate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	Famphur	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-H4-16	Hexachlorobenzene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Hexachlorobutadiene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Hexachlorocyclopentadiene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Hexachloroethane	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism

Table N-17. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-16

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-16	Hexachlorophene	No	µg/L	3/21/2010	6/11/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Hexachloropropene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	Isodrin	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	Isophorone	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-H4-16	Isosafrole	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-H4-16	Kepone	No	µg/L	3/21/2010	6/11/2010	2	0	0	20	20	--	--	--	--	--	--	4.18E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	m-Dinitrobenzene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Methapyrilene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-H4-16	Methyl methanesulfonate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Methyl parathion	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Nitrobenzene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Nitrosopyrrolidine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	n-Nitrosodiethylamine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	n-Nitrosodimethylamine	No	µg/L	3/21/2010	6/11/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	n-Nitrosodi-n-butylamine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	n-Nitrosodi-n-dipropylamine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	n-Nitrosodiphenylamine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	n-Nitrosomethylethylamine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	n-Nitrosomorpholine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	n-Nitrosopiperidine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	O,O,O-Triethyl phosphorothioate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	o-Toluidine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-16	Parathion	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-H4-16	p-Dimethylaminoazobenzene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Pentachlorobenzene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism

Table N-17. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-16

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-16	Pentachloroethane	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Pentachloronitrobenzene (PCNB)	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Pentachlorophenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-H4-16	Phenacetin	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Phenol	No	µg/L	3/21/2010	6/11/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Phorate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	p-Phenylenediamine	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Pronamide	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Pyridine	No	µg/L	3/21/2010	6/11/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Safrol	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	sym-Trinitrobenzene	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Tributyl phosphate	No	µg/L	3/21/2010	6/11/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-H4-16	Acenaphthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Acenaphthylene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	--	--	--
199-H4-16	Anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Benzo(a)anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-16	Benzo(a)pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-16	Benzo(b)fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-16	Benzo(ghi)perylene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	--	--	--
199-H4-16	Benzo(k)fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-16	Chrysene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-16	Dibenz[a,h]anthracene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-16	Fluoranthene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-16	Fluorene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-17. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-16

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-16	Indeno(1,2,3-cd)pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-16	Naphthalene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-16	Phenanthrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.055	0.055	--	--	--	--	--	--	--	--	--
199-H4-16	Pyrene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310.

Table N-18. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-45

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
PCBs by Method 8082																			
199-H4-45	Aroclor-1016	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Aroclor-1221	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Aroclor-1232	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Aroclor-1242	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Aroclor-1248	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.084	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Aroclor-1254	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.084	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Aroclor-1260	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.084	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Aroclor-1262	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Aroclor-1268	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-H4-45	1,2,4,5-Tetrachlorobenzene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	1,2,4-Trichlorobenzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.070	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	1,2,4-Trimethylbenzene	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.10	0.10	--	--	--	--	--	--	--	--	--
199-H4-45	1,2-Dichlorobenzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.090	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	1,3-Dichlorobenzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.10	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	1,4-Dichlorobenzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.090	0.12	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	1,4-Naphthoquinone	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	1-Naphthylamine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	2,3,4,6-Tetrachlorophenol	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2,4,5-Trichlorophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	2,4,6-Trichlorophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	2,4-Dichlorophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2,4-Dimethylphenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2,4-Dinitrophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.060	2.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-18. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-45

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-45	2,4-Dinitrotoluene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	2,6-Dichlorophenol	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	2,6-Dinitrotoluene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.060	2.2	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2-Acetylaminofluorene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.023	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2-Butoxyethanol	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2-Chloronaphthalene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.080	1.0	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2-Chlorophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2-Methylnaphthalene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2-Methylphenol (cresol, o-)	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.080	1.0	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2-Naphthylamine	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.10	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2-Nitroaniline	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	2-Nitrophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	2-Picoline	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.10	2.0	--	--	--	--	--	--	--	--	--
199-H4-45	3,3'-Dichlorobenzidine	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.060	1.0	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	3,3'-Dimethylbenzidine	No	µg/L	3/21/2010	5/13/2010	2	0	0	2.6	2.6	--	--	--	--	--	--	0.0080	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	3+4 Methylphenol (cresol, m+p)	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.060	0.060	--	--	--	--	--	--	--	--	--
199-H4-45	3-Methylcholanthrene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.68E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	3-Nitroaniline	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	4,6-Dinitro-2-methylphenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.070	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	4-Aminobiphenyl	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0042	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	4-Bromophenylphenyl ether	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	4-Chloro-3-methylphenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	4-Chloroaniline	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.060	1.0	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	4-Chlorophenylphenyl ether	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	4-Methylphenol (cresol, p-)	No	µg/L	3/21/2010	5/13/2010	2	0	0	10	10	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	4-Nitroaniline	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	4-Nitrophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.060	2.0	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	4-Nitroquinoline-1-oxide	No	µg/L	3/21/2010	5/13/2010	2	0	0	5.0	5.0	--	--	--	--	--	--	--	--	--
199-H4-45	5-Nitro-o-toluidine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-18. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-45

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-45	7,12-Dimethylbenz[a]anthracene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	8.31E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Acetophenone	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.10	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	alpha,alpha-Dimethylphenethylamine	No	µg/L	3/21/2010	5/13/2010	2	0	0	22	22	--	--	--	--	--	--	--	--	--
199-H4-45	Aniline	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	7.7	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Aramite	No	µg/L	3/21/2010	5/13/2010	2	0	0	20	20	--	--	--	--	--	--	0.37	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Azobenzene	No	µg/L	5/13/2010	5/13/2010	1	0	0	1.0	1.0	--	--	--	--	--	--	0.80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Benzoic acid	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Benzothiazole	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.050	0.050	--	--	--	--	--	--	--	--	--
199-H4-45	Benzyl alcohol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.060	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Bis(2-chloro-1-methylethyl)ether	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Bis(2-Chloroethoxy)methane	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Bis(2-chloroethyl) ether	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.060	1.0	--	--	--	--	--	--	0.030	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Bis(2-ethylhexyl) phthalate	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.080	1.0	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Butylbenzylphthalate	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Carbazole	No	µg/L	10/11/2009	3/21/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Chlorobenzilate	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.12	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Cyclohexanone	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.050	0.050	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Decane	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.20	0.20	--	--	--	--	--	--	--	--	--
199-H4-45	Diallate	No	µg/L	3/21/2010	5/13/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	0.25	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Dibenzofuran	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Dibutyl Butylphosphonate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.050	0.050	--	--	--	--	--	--	--	--	--
199-H4-45	Diethylphthalate	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.10	1.0	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Dimethoate	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Dimethyl phthalate	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Di-n-butylphthalate	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.10	1.0	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Di-n-octylphthalate	No	µg/L	10/11/2009	5/13/2010	3	1	33	1.0	1.0	2.9	2.9	2.9	--	--	--	--	--	--
199-H4-45	Dinoseb(2-secButyl-4,6-dinitrophenol)	No	µg/L	3/21/2010	5/13/2010	2	0	0	2.0	2.0	--	--	--	--	--	--	7.0	0	40 CFR 141 - Federal MCL
199-H4-45	Diphenylamine	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.050	0.050	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-18. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-45

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-45	Disulfoton	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.48	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Dodecane	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.20	0.20	--	--	--	--	--	--	--	--	--
199-H4-45	Ethyl methanesulfonate	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	Famphur	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.7	1.7	--	--	--	--	--	--	--	--	--
199-H4-45	Gamma-BHC (Lindane)	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.070	0.070	--	--	--	--	--	--	0.019	0	40 CFR 131 -- Human Health Water + Organism
199-H4-45	Hexachlorobenzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.060	1.0	--	--	--	--	--	--	2.80E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Hexachlorobutadiene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.090	1.0	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Hexachlorocyclopentadiene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.080	1.0	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Hexachloroethane	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.080	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Hexachlorophene	No	µg/L	3/21/2010	5/13/2010	2	0	0	10	10	--	--	--	--	--	--	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Hexachloropropene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	Isodrin	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	Isophorone	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-H4-45	Isosafrole	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-H4-45	Kepone	No	µg/L	3/21/2010	5/13/2010	2	0	0	20	20	--	--	--	--	--	--	4.18E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	m-Dinitrobenzene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Methapyrilene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.3	1.3	--	--	--	--	--	--	--	--	--
199-H4-45	Methyl methanesulfonate	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.88	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Methyl parathion	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	4.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Nitrobenzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Nitrosopyrrolidine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.016	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	n-Nitrosodiethylamine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	2.92E-04	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	n-Nitrosodimethylamine	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	2.0	--	--	--	--	--	--	6.90E-04	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	n-Nitrosodi-n-butylamine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0063	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	n-Nitrosodi-n-dipropylamine	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	0.0050	0	Clean Water Act -- Human Health Water + Organism

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199-H4-45	n-Nitrosodiphenylamine	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.0	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	n-Nitrosomethylethylamine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	n-Nitrosomorpholine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	n-Nitrosopiperidine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.0093	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	O,O,O-Triethyl phosphorothioate	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	O,O-Diethyl O-2-pyrazinyl phosphorothioate	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	o-Toluidine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-45	Parathion	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.013	0	Clean Water Act -- Freshwater CCC
199-H4-45	p-Dimethylaminoazobenzene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.019	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Pentachlorobenzene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Pentachloroethane	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.97	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Pentachloronitrobenzene (PCNB)	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.046	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Pentachlorophenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.050	1.3	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-H4-45	Phenacetin	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Phenol	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.090	2.0	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Phorate	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	p-Phenylenediamine	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	3,040	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Pronamide	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	1,200	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Pyridine	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.090	2.0	--	--	--	--	--	--	8.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Safrol	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	0.34	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	sym-Trinitrobenzene	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Tetradecane	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.20	0.20	--	--	--	--	--	--	--	--	--
199-H4-45	Tetraethyl dithiopyrophosphate (Sulfotepp)	No	µg/L	3/21/2010	5/13/2010	2	0	0	1.0	1.0	--	--	--	--	--	--	6.5	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Total cresols	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.050	0.050	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Tributyl phosphate	No	µg/L	10/11/2009	5/13/2010	3	1	33	0.050	1.0	1.7	1.7	1.7	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Tris-2-chloroethyl phosphate	No	µg/L	10/11/2009	10/11/2009	1	0	0	0.050	0.050	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-H4-45	Acenaphthene	No	µg/L	5/13/2010	5/13/2010	1	0	0	0.30	0.30	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)

Table N-18. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-45

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Groundwater Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-45	Acenaphthylene	No	µg/L	5/13/2010	5/13/2010	1	0	0	0.28	0.28	--	--	--	--	--	--	--	--	--
199-H4-45	Anthracene	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.014	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Benzo(a)anthracene	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.021	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-45	Benzo(a)pyrene	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.044	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-45	Benzo(b)fluoranthene	No	µg/L	5/13/2010	5/13/2010	1	0	0	0.022	0.022	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-45	Benzo(ghi)perylene	No	µg/L	5/13/2010	5/13/2010	1	0	0	0.063	0.063	--	--	--	--	--	--	--	--	--
199-H4-45	Benzo(k)fluoranthene	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.026	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-45	Chrysene	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.015	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-45	Dibenz[a,h]anthracene	No	µg/L	5/13/2010	5/13/2010	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-45	Fluoranthene	No	µg/L	5/13/2010	5/13/2010	1	0	0	0.045	0.045	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-45	Fluorene	No	µg/L	5/13/2010	5/13/2010	1	0	0	0.020	0.020	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Indeno(1,2,3-cd)pyrene	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.040	0.052	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-45	Naphthalene	No	µg/L	5/13/2010	5/13/2010	1	0	0	0.43	0.43	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-45	Phenanthrene	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.025	0.048	--	--	--	--	--	--	--	--	--
199-H4-45	Pyrene	No	µg/L	10/11/2009	5/13/2010	2	0	0	0.023	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background.*

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310.

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Dioxin like PCB Congeners by Method 1668A																			
199-H4-48	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	1.30E-06	1.30E-06	2.00E-06	4.20E-06	3.10E-06	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	6.90E-07	1.60E-06	2.10E-06	2.10E-06	2.10E-06	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	2.30E-07	8.40E-07	2.00E-06	2.00E-06	2.00E-06	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.00E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.80E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,4',5,6-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.50E-07	9.10E-07	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,4',5-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.10E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.90E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,4',6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.90E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,4'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.80E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.30E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5,5',6'-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.00E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5,5',6-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.00E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5,5'-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.80E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.80E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.70E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5,6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.90E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4',5,6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.60E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5',6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.20E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5,6'-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.40E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.40E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,5-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.10E-06	1.10E-06	1.10E-06	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,6,6'-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	1.50E-06	1.60E-06	1.00E-06	1.00E-06	1.00E-06	--	--	--	--	--	--
199-H4-48	2,2',3,3',4,6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.60E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',4-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	1.10E-06	2.70E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.10E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',5,5',6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.60E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',5,5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.00E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',5,6,6'-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.20E-07	1.10E-06	--	--	--	--	--	--	--	--	--

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	2,2',3,3',5,6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	2.20E-06	2.20E-06	3.80E-06	1.00E-05	6.90E-06	--	--	--	--	--	--
199-H4-48	2,2',3,3',5,6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.40E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	9.10E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3',6,6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	1.60E-06	1.60E-06	4.20E-06	6.40E-06	5.30E-06	--	--	--	--	--	--
199-H4-48	2,2',3,3',6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	1.00E-06	2.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,3'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	2.00E-06	3.30E-06	2.65E-06	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',5,5',6-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.50E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',5,5'-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.40E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',5,6,6'-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',5,6'-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.10E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',5,6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.20E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',5',6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.20E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.10E-06	1.10E-06	1.10E-06	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',5-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.50E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',6,6'-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.30E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.50E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,4',6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.50E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,4'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.50E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,5,5',6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.20E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4',5,5',6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.80E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,5,5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.70E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4',5,5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.20E-07	1.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,5,6,6'-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.20E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4',5,6,6'-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.70E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,5,6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.30E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4',5,6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	4.10E-06	4.10E-06	4.10E-06	--	--	--	--	--	--
199-H4-48	2,2',3,4',5',6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	4.10E-06	4.10E-06	4.10E-06	--	--	--	--	--	--
199-H4-48	2,2',3,4,5,6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.40E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4',5,6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	8.40E-07	3.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,5',6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	8.00E-07	3.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4',5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	7.50E-06	7.50E-06	7.50E-06	--	--	--	--	--	--

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	2,2',3,4,5'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.70E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.70E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3',4,5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.70E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,6,6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.00E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4',6,6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.90E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,6'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	1.00E-06	2.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4,6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	9.30E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3',4,6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	8.70E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4',6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	9.30E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.60E-07	1.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,4-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	2.00E-06	3.30E-06	2.65E-06	--	--	--	--	--	--
199-H4-48	2,2',3,5,5',6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	2.20E-06	2.20E-06	3.80E-06	1.00E-05	6.90E-06	--	--	--	--	--	--
199-H4-48	2,2',3,5,5'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	8.90E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,5,6,6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.00E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,5',6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.70E-05	1.90E-05	1.80E-05	--	--	--	--	--	--
199-H4-48	2,2',3,5,6'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	1.00E-06	2.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,5,6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	8.90E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,5'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	6.80E-06	6.80E-06	6.80E-06	--	--	--	--	--	--
199-H4-48	2,2',3,5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.00E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,6,6'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.50E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,6'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	9.10E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',3,6-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	1.60E-06	3.80E-05	3.30E-06	3.30E-06	3.30E-06	--	--	--	--	--	--
199-H4-48	2,2',3-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	2.80E-06	3.00E-06	2.60E-06	2.60E-06	2.60E-06	--	--	--	--	--	--
199-H4-48	2,2',4,4',5,5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.30E-06	1.30E-06	1.30E-06	--	--	--	--	--	--
199-H4-48	2,2',4,4',5,6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.00E-07	2.70E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',4,4',5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	9.10E-07	2.30E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',4,4',6,6'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.70E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',4,4',6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	8.90E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',4,4'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	6.80E-06	6.80E-06	6.80E-06	--	--	--	--	--	--
199-H4-48	2,2',4,5,5'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	7.50E-06	7.50E-06	7.50E-06	--	--	--	--	--	--
199-H4-48	2,2',4,5,6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	8.70E-07	2.10E-06	--	--	--	--	--	--	--	--	--

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	2,2',4,5',6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	8.80E-07	2.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',4,5'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	5.20E-06	5.20E-06	5.20E-06	--	--	--	--	--	--
199-H4-48	2,2',4,5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	1.40E-06	1.50E-06	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-H4-48	2,2',4,6,6'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.70E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',4,6'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	1.60E-06	3.80E-05	3.30E-06	3.30E-06	3.30E-06	--	--	--	--	--	--
199-H4-48	2,2',4,6-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	2.20E-06	3.20E-06	2.77E-06	--	--	--	--	--	--
199-H4-48	2,2',4-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	9.50E-07	2.40E-06	4.10E-06	4.10E-06	4.10E-06	--	--	--	--	--	--
199-H4-48	2,2',5,5'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	3.70E-05	4.70E-05	4.20E-05	--	--	--	--	--	--
199-H4-48	2,2',5,6'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	2.20E-06	3.20E-06	2.77E-06	--	--	--	--	--	--
199-H4-48	2,2',5-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	5.70E-05	5.70E-05	2.90E-05	2.90E-05	2.90E-05	--	--	--	--	--	--
199-H4-48	2,2',6,6'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	8.40E-07	2.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2',6-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	1.20E-06	3.00E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,2'-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	5.70E-05	5.70E-05	6.70E-06	8.80E-06	7.75E-06	--	--	--	--	--	--
199-H4-48	2,3,3',4,4',5,5',6-Octachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.00E-07	7.10E-07	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4,4',5,5'-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.10E-07	7.10E-07	--	--	--	--	--	--	1.35E-04	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	2,3,3',4,4',5,6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4,4',5',6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.00E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4,4',5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.70E-07	1.20E-06	--	--	--	--	--	--	6.54E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	2,3,3',4,4',5-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.70E-07	1.20E-06	--	--	--	--	--	--	6.37E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	2,3,3',4,4',6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.90E-07	9.70E-07	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4,4'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.70E-07	7.60E-07	--	--	--	--	--	--	3.07E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	2,3,3',4,5,5',6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.40E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4',5,5',6-Heptachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.40E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4,5,5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.20E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4',5,5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.10E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4,5,6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.10E-06	1.10E-06	1.10E-06	--	--	--	--	--	--
199-H4-48	2,3,3',4',5,6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.10E-06	1.10E-06	1.10E-06	--	--	--	--	--	--

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	2,3,3',4,5',6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.20E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4',5',6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.40E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2',3,3',4,5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.00E-07	9.00E-07	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4',5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.70E-07	8.00E-07	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4,5'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.80E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4,5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.80E-07	8.20E-07	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',4,6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	7.70E-07	1.30E-06	4.70E-06	4.70E-06	4.70E-06	--	--	--	--	--	--
199-H4-48	2,3,3',4',6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	2.60E-06	2.60E-06	2.60E-06	--	--	--	--	--	--
199-H4-48	2,3,3',4'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	1.00E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	--	--	--	--	--	--
199-H4-48	2,3,3',4-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.80E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',5,5',6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.60E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',5,5'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.30E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',5,6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.80E-07	1.70E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',5',6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	7.50E-06	7.50E-06	7.50E-06	--	--	--	--	--	--
199-H4-48	2,3,3',5'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.50E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.50E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3',6-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.30E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,3'-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	6.50E-06	6.50E-06	6.50E-06	--	--	--	--	--	--
199-H4-48	2,3',4,4',5,5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.10E-07	8.10E-07	--	--	--	--	--	--	5.69E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	2,3,4,4',5,6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.80E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3',4,4',5',6-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	1.30E-06	1.30E-06	1.30E-06	--	--	--	--	--	--
199-H4-48	2,3,4,4',5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.60E-07	7.80E-07	--	--	--	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	2',3,4,4',5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.80E-07	9.00E-07	--	--	--	--	--	--	2.31E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	2,3',4,4',5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	8.10E-07	8.10E-07	8.10E-07	--	--	--	3.71E-05	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	2,3,4,4',6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	2.60E-06	2.60E-06	2.60E-06	--	--	--	--	--	--
199-H4-48	2,3',4,4',6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.70E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,4,4'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.60E-07	1.10E-06	--	--	--	--	--	--	--	--	--

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	2,3',4,4'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	8.90E-07	8.90E-07	8.90E-07	--	--	--	--	--	--
199-H4-48	2',3,4,5,5'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.80E-07	8.40E-07	--	--	--	--	--	--	--	--	--
199-H4-48	2,3',4,5,5'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.50E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2',3,4,5,6'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.70E-07	3.80E-05	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,4,5,6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.50E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3',4,5',6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.50E-07	1.60E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,4',5,6-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.50E-07	1.90E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3',4,5'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	9.50E-07	1.00E-06	1.80E-06	1.80E-06	1.80E-06	--	--	--	--	--	--
199-H4-48	2,3,4,5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	3.50E-06	3.50E-06	3.50E-06	--	--	--	--	--	--
199-H4-48	2',3,4,5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	3.50E-06	3.50E-06	3.50E-06	--	--	--	--	--	--
199-H4-48	2,3',4,5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.90E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,4',5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.10E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3',4',5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	3.50E-06	3.50E-06	3.50E-06	--	--	--	--	--	--
199-H4-48	2,3,4,6-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.30E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3',4,6-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	5.20E-06	8.20E-06	6.70E-06	--	--	--	--	--	--
199-H4-48	2,3,4',6-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	4.70E-06	7.70E-06	6.37E-06	--	--	--	--	--	--
199-H4-48	2,3',4',6-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	2.00E-06	3.30E-06	2.65E-06	--	--	--	--	--	--
199-H4-48	2,3',4-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.40E-07	7.80E-07	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,4'-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	2.80E-06	2.80E-06	2.80E-06	--	--	--	--	--	--
199-H4-48	2,3,4-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	2.50E-06	2.50E-06	2.50E-06	--	--	--	--	--	--
199-H4-48	2',3,4-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	2.50E-06	2.50E-06	2.50E-06	--	--	--	--	--	--
199-H4-48	2,3',5,5'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.30E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,5,6-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	6.80E-06	6.80E-06	6.80E-06	--	--	--	--	--	--
199-H4-48	2,3',5',6-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.00E-07	1.40E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3,5-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.90E-07	8.70E-07	--	--	--	--	--	--	--	--	--
199-H4-48	2',3,5-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.80E-07	8.60E-07	--	--	--	--	--	--	--	--	--
199-H4-48	2,3',5-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	3.40E-06	3.40E-06	3.40E-06	--	--	--	--	--	--
199-H4-48	2,3,6-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	7.90E-07	2.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3',6-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	6.90E-07	1.80E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,3'-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	3.10E-06	3.10E-06	1.50E-06	4.10E-06	2.80E-06	--	--	--	--	--	--
199-H4-48	2,3-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.80E-06	5.30E-06	--	--	--	--	--	--	--	--	--

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	2,4,4',5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	3.50E-06	3.50E-06	3.50E-06	--	--	--	--	--	--
199-H4-48	2,4,4',6-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.30E-07	1.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,4,4'-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	6.50E-06	6.50E-06	6.50E-06	--	--	--	--	--	--
199-H4-48	2,4,5-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	3.40E-06	3.40E-06	3.40E-06	--	--	--	--	--	--
199-H4-48	2,4',5-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.80E-05	3.80E-05	2.00E-05	2.00E-05	2.00E-05	--	--	--	--	--	--
199-H4-48	2,4,6-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	5.70E-05	5.70E-05	2.90E-05	2.90E-05	2.90E-05	--	--	--	--	--	--
199-H4-48	2,4',6-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	2	67	3.80E-05	3.80E-05	1.20E-05	2.00E-05	1.60E-05	--	--	--	--	--	--
199-H4-48	2,4'-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	5.70E-05	5.70E-04	8.00E-06	8.00E-06	8.00E-06	--	--	--	--	--	--
199-H4-48	2,4-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	3.10E-06	3.80E-05	1.70E-06	1.70E-06	1.70E-06	--	--	--	--	--	--
199-H4-48	2,5-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.70E-06	5.10E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2,6-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.90E-06	5.50E-06	--	--	--	--	--	--	--	--	--
199-H4-48	2-Monochlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	1.90E-07	5.70E-07	--	--	--	--	--	--	--	--	--
199-H4-48	3,3',4,4',5,5'-Hexachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.00E-07	8.20E-07	--	--	--	--	--	--	1.78E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	3,3',4,4',5-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.70E-07	7.50E-07	--	--	--	--	--	--	6.92E-09	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	3,3',4,4'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.20E-07	1.00E-06	--	--	--	--	--	--	0.0067	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	3,3',4,5,5'-Pentachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.80E-07	8.20E-07	--	--	--	--	--	--	--	--	--
199-H4-48	3,3',4,5'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.00E-07	1.00E-06	--	--	--	--	--	--	--	--	--
199-H4-48	3,3',4,5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.70E-07	1.20E-06	--	--	--	--	--	--	--	--	--
199-H4-48	3,3',4-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.90E-07	8.80E-07	--	--	--	--	--	--	--	--	--
199-H4-48	3,3',5,5'-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.90E-07	9.90E-07	--	--	--	--	--	--	--	--	--
199-H4-48	3,3',5-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.80E-07	8.50E-07	--	--	--	Not Available	--	--	--	--	--
199-H4-48	3,3'-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	1	33	5.70E-05	5.70E-05	7.90E-06	7.90E-06	7.90E-06	Not Available	--	--	--	--	--
199-H4-48	3,4,4',5-Tetrachlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	5.10E-07	1.00E-06	--	--	--	Not Available	--	--	6.13E-06	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	3,4,4'-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.90E-07	8.70E-07	--	--	--	Not Available	--	--	--	--	--
199-H4-48	3,4,5-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	4.00E-07	9.00E-07	--	--	--	Not Available	--	--	--	--	--
199-H4-48	3,4',5-Trichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	3.50E-07	8.00E-07	--	--	--	Not Available	--	--	--	--	--
199-H4-48	3,4'-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.60E-06	5.70E-05	--	--	--	Not Available	--	--	--	--	--

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	3,4-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.60E-06	5.70E-05	--	--	--	Not Available	--	--	--	--	--
199-H4-48	3,5-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.30E-06	4.30E-06	--	--	--	Not Available	--	--	--	--	--
199-H4-48	3-Monochlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.20E-07	3.80E-05	--	--	--	Not Available	--	--	--	--	--
199-H4-48	4,4'-Dichlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.80E-06	3.80E-05	--	--	--	Not Available	--	--	--	--	--
199-H4-48	4-Monochlorobiphenyl	N	µg/L	10/11/2009	5/13/2010	3	0	0	2.50E-07	6.10E-07	--	--	--	Not Available	--	--	--	--	--
PCBs by Method 8082																			
199-H4-48	Aroclor-1016	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Aroclor-1221	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Aroclor-1232	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Aroclor-1242	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Aroclor-1248	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.14	0.14	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Aroclor-1254	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Aroclor-1260	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Aroclor-1262	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Aroclor-1268	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.093	0.093	--	--	--	--	--	--	6.40E-05	0	Clean Water Act -- Human Health Water + Organism
Semivolatile Organic Compounds by Method 8270*																			
199-H4-48	1,2,4-Trichlorobenzene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	--	--	--

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	1,2,4-Trimethylbenzene	N	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-48	1,2-Dichlorobenzene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	--	--	--
199-H4-48	1,3-Dichlorobenzene	N	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	10	--	--	--	--	--	--	--	--	--
199-H4-48	1,4-Dichlorobenzene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.90	0.90	--	--	--	--	--	--	8.1	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2,4,5-Trichlorophenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	486	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	2,4,6-Trichlorophenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	2,4-Dichlorophenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	24	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2,4-Dimethylphenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2,4-Dinitrophenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2,4-Dinitrotoluene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	0.11	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	2,6-Dinitrotoluene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2-Butoxyethanol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	4,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2-Chloronaphthalene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2-Chlorophenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	40	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2-Methylnaphthalene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	32	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2-Methylphenol (cresol, o-)	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.80	0.80	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	2-Naphthylamine	N	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	0.049	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2-Nitroaniline	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	2-Nitrophenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-48	2-Picoline	N	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	--	--	--
199-H4-48	3,3'-Dichlorobenzidine	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	0.021	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	3+4 Methylphenol (cresol, m+p)	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	Not Available
199-H4-48	3-Nitroaniline	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	4,6-Dinitro-2-methylphenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.70	0.70	--	--	--	--	--	--	1.6	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	4-Bromophenylphenyl ether	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	Not Available
199-H4-48	4-Chloro-3-methylphenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	4-Chloroaniline	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	0.22	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	4-Chlorophenylphenyl ether	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--
199-H4-48	4-Nitroaniline	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	4-Nitrophenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	128	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Acenaphthylene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	--	--	--
199-H4-48	Acetophenone	N	µg/L	10/11/2009	10/11/2009	1	0	0	1.0	1.0	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Benzoic acid	N	µg/L	10/11/2009	10/11/2009	1	0	0	5.0	5.0	--	--	--	--	--	--	64,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Benzothiazole	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	--	--	--

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	Benzyl alcohol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.60	0.60	--	--	--	--	--	--	800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Bis(2-chloro-1-methylethyl)ether	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.50	0.50	--	--	--	--	--	--	0.63	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Bis(2-Chloroethoxy)methane	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	48	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Bis(2-chloroethyl) ether	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.6	0.6	--	--	--	--	--	--	0.03	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Bis(2-ethylhexyl) phthalate	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.8	0.8	--	--	--	--	--	--	1.2	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Butylbenzylphthalate	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	8.2	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	Carbazole	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	1.9	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	Cyclohexanone	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	40,000	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Decane	N	µg/L	10/11/2009	10/11/2009	1	0	0	2	2	--	--	--	--	--	--	--	--	--
199-H4-48	Dibenzofuran	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	1.7	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	Dibutyl Butylphosphonate	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	--	--	--
199-H4-48	Diethylphthalate	N	µg/L	10/11/2009	10/11/2009	1	0	0	1	1	--	--	--	--	--	--	12,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Dimethoate	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	3.2	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Dimethyl phthalate	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	270,000	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Di-n-butylphthalate	N	µg/L	10/11/2009	10/11/2009	1	0	0	1	1	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Di-n-octylphthalate	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.9	0.9	--	--	--	--	--	--	--	--	--

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	Diphenylamine	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Dodecane	N	µg/L	10/11/2009	10/11/2009	1	0	0	2	2	--	--	--	--	--	--	--	--	--
199-H4-48	Hexachlorobenzene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.6	0.6	--	--	--	--	--	--	0.00028	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Hexachlorobutadiene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.9	0.9	--	--	--	--	--	--	0.44	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Hexachlorocyclopentadiene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.8	0.8	--	--	--	--	--	--	40	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Hexachloroethane	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.8	0.8	--	--	--	--	--	--	1.4	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Isophorone	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	8.4	0	40 CFR 131 -- Human Health Water + Organism
199-H4-48	Nitrobenzene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	16	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	n-Nitrosodimethylamine	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	0.00069	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	n-Nitrosodi-n-dipropylamine	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	0.005	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	n-Nitrosodiphenylamine	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	3.3	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Pentachlorophenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	0.27	0	Clean Water Act -- Human Health Water + Organism
199-H4-48	Phenol	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.9	0.9	--	--	--	--	--	--	2,400	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	Pyridine	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.9	0.9	--	--	--	--	--	--	8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Tetradecane	N	µg/L	10/11/2009	10/11/2009	1	0	0	2	2	--	--	--	--	--	--	--	--	--
199-H4-48	Total cresols	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	1,600	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Tributyl phosphate	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	9.5	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Tris-2-chloroethyl phosphate	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.5	0.5	--	--	--	--	--	--	4.4	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Polynuclear Aromatic Hydrocarbons by Method 8310																			
199-H4-48	Acenaphthene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	643	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	Anthracene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	4,800	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Benzo(a)anthracene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.046	0.046	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-48	Benzo(a)pyrene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.053	0.053	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-48	Benzo(b)fluoranthene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-48	Benzo(ghi)perylene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	--	--	--
199-H4-48	Benzo(k)fluoranthene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-48	Chrysene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.042	0.042	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-48	Dibenz[a,h]anthracene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.13	0.13	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism

Table N-19. Summary Statistics of Additional Analytes at Monitoring Well 199-H4-48

Well Name	Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non-Detect	Max Non-Detect	Min Detect	Max Detect	Mean Detect	Background 90th Percentile	No. of Detects > Ground-water Background Level	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
199-H4-48	Fluoranthene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	90	0	WAC 173-340-730(3)(b)(iii)(A) and (B)
199-H4-48	Fluorene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.080	0.080	--	--	--	--	--	--	640	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Indeno(1,2,3-cd)pyrene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.040	0.040	--	--	--	--	--	--	0.0028	0	40 CFR 131 -- Human Health Water + Organism
199-H4-48	Naphthalene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.40	0.40	--	--	--	--	--	--	160	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
199-H4-48	Phenanthrene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.071	0.071	--	--	--	--	--	--	--	--	--
199-H4-48	Pyrene	N	µg/L	10/11/2009	10/11/2009	1	0	0	0.048	0.048	--	--	--	--	--	--	480	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

* Polynuclear aromatic hydrocarbon results are not listed for Method 8270, they are superseded by and listed under the results for Method 8310.

Table N-20. Groundwater Summary Statistics for 100-D Area - Confined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Radionuclides																		
Gross alpha	No	pCi/L	11/8/2006	9/26/2012	9	2	22.22	0.005	1.7	2.2	3.27	2.74	--	--	--	15	0	40 CFR 141 - Federal MCL
Gross beta	No	pCi/L	11/8/2006	9/26/2012	9	9	100	0	0	5.2	13	9.47	3.1	9	DOE/RL-96-61 Rev.0, Table ES-1	4.0 mrem	--	40 CFR 141 - Federal MCL
Tritium	No	pCi/L	11/8/2006	9/26/2012	9	1	11.11	-160	200	1,700	1,700	1,700	119	1	DOE/RL-96-61 Rev.0, Table ES-1	20,000	0	40 CFR 141 - Federal MCL
Anions																		
Fluoride	No	µg/L	11/8/2006	9/26/2012	9	8	88.89	72	72	92	408	193	1,047	0	DOE/RL-96-61 Rev.0, Table ES-1	960	0	WAC 173-340-720(4)(b)(iii) (A) and (B)
Nitrate	No	µg/L	11/8/2006	9/26/2012	9	6	66.67	168	168	837	2,528	2,089	26,871	0	DOE/RL-96-61 Rev.0, Table ES-1	45,000	0	40 CFR 141 - Federal MCL
Nitrite	No	µg/L	11/8/2006	9/26/2012	9	3	33.33	32.8	131	175	298	228	94	3	DOE/RL-96-61 Rev.0, Table ES-1	3,300	0	40 CFR 141 - Federal MCL
Sulfate	No	µg/L	11/8/2006	9/26/2012	9	9	100	0	0	11,500	66,000	53,400	47,014	7	DOE/RL-96-61 Rev.0, Table ES-1	250,000	0	40 CFR 141 - Federal MCL
Metals																		
Antimony	No	µg/L	11/8/2006	9/26/2012	9	0	0	4	72	--	--	--	55	--	DOE/RL-96-61 Rev.0, Table ES-1	6.0	--	40 CFR 141--Federal MCL
Antimony	Yes	µg/L	11/8/2006	9/26/2012	9	0	0	4	72	--	--	--	55	--	DOE/RL-96-61 Rev.0, Table ES-1	6.0	--	40 CFR 141--Federal MCL
Arsenic	No	µg/L	1/21/2011	8/2/2011	1	1	100	0	0	4.19	4.19	4.19	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	1	WAC 173-340-720(4)(b)(iii)(A) and (B)
Arsenic	Yes	µg/L	1/21/2011	8/2/2011	1	1	100	0	0	4.17	4.17	4.17	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	1	WAC 173-340-720(4)(b)(iii)(A) and (B)
Beryllium	No	µg/L	11/8/2006	9/26/2012	9	0	0	0.61	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Beryllium	Yes	µg/L	11/8/2006	9/26/2012	9	0	0	0.61	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Cadmium	No	µg/L	11/8/2006	9/26/2012	9	0	0	0.91	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Cadmium	Yes	µg/L	11/8/2006	9/26/2012	9	0	0	0.91	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Chromium	No	µg/L	11/8/2006	9/26/2012	9	4	44.44	5	14	3.4	11.1	7.15	2.4	4	DOE/RL-96-61 Rev.0, Table ES-1	65	0	Clean Water Act -- Freshwater CCC
Chromium	Yes	µg/L	11/8/2006	9/26/2012	9	1	11.11	3.1	14	5.8	5.8	5.8	2.4	1	DOE/RL-96-61 Rev.0, Table ES-1	65	0	Clean Water Act -- Freshwater CCC
Cobalt	No	µg/L	11/8/2006	9/26/2012	9	0	0	4	7	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Cobalt	Yes	µg/L	11/8/2006	9/26/2012	9	0	0	4	7	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	4.8	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Copper	No	µg/L	11/8/2006	9/26/2012	9	1	11.11	4	7	4	4	4	0.81	1	DOE/RL-96-61 Rev.0, Table ES-1	9.0	1	Clean Water Act -- Freshwater CCC
Copper	Yes	µg/L	11/8/2006	9/26/2012	9	0	0	4	7	--	--	--	0.81	--	DOE/RL-96-61 Rev.0, Table ES-1	9.0	--	Clean Water Act -- Freshwater CCC
Cr(VI)	No	µg/L	11/28/2007	9/26/2012	11	5	45.45	2	3.7	2.7	14.6	6.06	--	--	--	10	1	WAC 173-201A
Cr(VI)	Yes	µg/L	7/10/2006	3/7/2011	6	4	66.67	3.7	5	2	9	6	--	--	--	10	0	WAC 173-201A
Iron	No	µg/L	11/8/2006	9/26/2012	9	8	88.89	25	25	48.4	1190	224	570	1	DOE/RL-96-61 Rev.0, Table ES-1	1,000	1	Clean Water Act -- Freshwater CCC
Iron	Yes	µg/L	11/8/2006	9/26/2012	9	7	77.78	33	38	25	1140	208	570	1	DOE/RL-96-61 Rev.0, Table ES-1	1,000	1	Clean Water Act -- Freshwater CCC
Manganese	No	µg/L	11/8/2006	9/26/2012	9	6	66.67	4	6	4	853	149	39	1	DOE/RL-96-61 Rev.0, Table ES-1	384	1	WAC 173-340-720(4)(b)(iii)(A) and (B)
Manganese	Yes	µg/L	11/8/2006	9/26/2012	9	5	55.56	3	6	4.9	865	180	39	1	DOE/RL-96-61 Rev.0, Table ES-1	384	1	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-20. Groundwater Summary Statistics for 100-D Area - Confined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Nickel	No	µg/L	11/8/2006	9/26/2012	9	0	0	4	66.5	--	--	--	1.6	--	DOE/RL-96-61 Rev.0, Table ES-1	52	--	Clean Water Act -- Freshwater CCC
Nickel	Yes	µg/L	11/8/2006	9/26/2012	9	1	11.11	4	13.3	5.8	5.8	5.8	1.6	1	DOE/RL-96-61 Rev.0, Table ES-1	52	0	Clean Water Act -- Freshwater CCC
Silver	No	µg/L	11/8/2006	9/26/2012	9	0	0	4	11	--	--	--	5.3	--	DOE/RL-96-61 Rev.0, Table ES-1	2.6	--	WAC 173-201A
Silver	Yes	µg/L	11/8/2006	9/26/2012	9	0	0	4	11	--	--	--	5.3	--	DOE/RL-96-61 Rev.0, Table ES-1	2.6	--	WAC 173-201A
Uranium	No	µg/L	1/21/2011	8/2/2011	1	1	100	0	0	3.15	3.15	3.15	10	0	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Vanadium	No	µg/L	11/8/2006	9/26/2012	9	8	88.89	5	5	8.2	41.4	28.3	12	7	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vanadium	Yes	µg/L	11/8/2006	9/26/2012	9	9	100	0	0	5.5	45.9	25.8	12	7	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Zinc	No	µg/L	11/8/2006	9/26/2012	9	6	66.67	4	9	6.3	756	251	22	4	DOE/RL-96-61 Rev.0, Table ES-1	91	3	WAC 173-201A
Zinc	Yes	µg/L	11/8/2006	9/26/2012	9	5	55.56	4	9	7.1	439	201	22	4	DOE/RL-96-61 Rev.0, Table ES-1	91	3	WAC 173-201A
Field Measurements																		
pH Measurement	No	Unit-less	7/10/2006	9/26/2012	14	14	100	--	--	6.29	9.83	7.72	8.2	2	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Specific Conductance	No	µS/cm	7/10/2006	9/26/2012	14	14	100	--	--	235	470	416						
Temperature	No	Deg C	7/10/2006	9/26/2012	14	14	100	--	--	17.3	22.8	20.4	--	--	--	--	--	--
Turbidity	No	NTU	7/10/2006	9/26/2012	14	14	100	--	--	1.69	7.4	3.26	--	--	--	--	--	--

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

Table N-21. Groundwater Summary Statistics for 100-H Area - Confined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Radionuclides																		
Cesium-137	No	pCi/L	1/24/2011	10/19/2012	5	0	0	-1.5	6	--	--	--	8.6	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Cobalt-60	No	pCi/L	1/24/2011	10/19/2012	5	0	0	-1.4	1.6	--	--	--	0.023	--	DOE/RL-96-61 Rev.0, Table ES-1	100	--	40 CFR 141 - Federal MCL
Europium-152	No	pCi/L	1/24/2011	10/19/2012	5	0	0	-7.6	0.62	--	--	--	222	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Europium-154	No	pCi/L	1/24/2011	10/19/2012	5	0	0	-15	0.74	--	--	--	70	--	DOE/RL-96-61 Rev.0, Table ES-1	60	--	40 CFR 141 - Federal MCL
Europium-155	No	pCi/L	1/24/2011	10/19/2012	5	0	0	-5	25	--	--	--	5.9	--	DOE/RL-96-61 Rev.0, Table ES-1	600	--	40 CFR 141 - Federal MCL
Gross alpha	No	pCi/L	11/8/2006	11/26/2012	12	1	8.33	-1.8	1.63	2.5	2.5	2.5	--	--	--	15	0	40 CFR 141 - Federal MCL
Gross beta	No	pCi/L	11/8/2006	11/26/2012	12	11	91.67	0.43	0.43	3.8	14	6.42	3.1	11	DOE/RL-96-61 Rev.0, Table ES-1	4.0 mrem	--	40 CFR 141 - Federal MCL
Strontium-90	No	pCi/L	1/24/2011	11/26/2012	16	2	12.5	-3.8	1.4	1.7	2.2	1.95	0.0010	2	DOE/RL-96-61 Rev.0, Table ES-1	8.0	0	40 CFR 141 - Federal MCL
Technetium-99	No	pCi/L	11/27/2006	11/26/2012	23	2	8.7	-7.4	6.5	7.9	12	9.95	0.83	2	DOE/RL-96-61 Rev.0, Table ES-1	900	0	40 CFR 141 - Federal MCL
Tritium	No	pCi/L	11/8/2006	11/26/2012	25	4	16	-110	230	270	1,800	823	119	4	DOE/RL-96-61 Rev.0, Table ES-1	20,000	0	40 CFR 141 - Federal MCL
Volatile Organic Compounds																		
1,1-Dichloroethene	No	µg/L	12/14/2011	11/1/2012	6	0	0	0.083	1	--	--	--	--	--	--	7.0	--	40 CFR 141--Federal MCL
Benzene	No	µg/L	12/14/2011	11/1/2012	6	0	0	0.064	1	--	--	--	--	--	--	0.80	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Carbon tetrachloride	No	µg/L	12/14/2011	11/1/2012	6	0	0	0.12	1	--	--	--	--	--	--	0.63	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Chloroform	No	µg/L	12/14/2011	11/1/2012	6	6	100	0	0	2.6	4.2	3.53	--	--	--	1.4	6	WAC 173-340-720(4)(b)(iii)(A) and (B)
Trichloroethene	No	µg/L	12/14/2011	11/1/2012	6	0	0	0.25	1	--	--	--	--	--	--	1.0	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vinyl chloride	No	µg/L	12/14/2011	11/1/2012	6	0	0	0.084	1	--	--	--	--	--	--	0.061	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Anions																		
Fluoride	No	µg/L	11/8/2006	11/26/2012	26	20	76.92	46	88	26.4	230	123	1,047	0	DOE/RL-96-61 Rev.0, Table ES-1	960	0	WAC 173-340-720(4)(b)(iii) (A) and (B)
Nitrate	No	µg/L	11/8/2006	11/26/2012	26	26	100	--	--	770	21,500	6,488	26,871	0	DOE/RL-96-61 Rev.0, Table ES-1	45,000	0	40 CFR 141 - Federal MCL
Nitrite	No	µg/L	11/8/2006	11/26/2012	26	8	30.77	9.85	151	141	348	229	94	8	DOE/RL-96-61 Rev.0, Table ES-1	3,300	0	40 CFR 141 - Federal MCL
Sulfate	No	µg/L	11/8/2006	11/26/2012	26	26	100	--	--	20,200	74,500	27,146	47,014	1	DOE/RL-96-61 Rev.0, Table ES-1	250,000	0	40 CFR 141 - Federal MCL

Table N-21. Groundwater Summary Statistics for 100-H Area - Confined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Metals																		
Antimony	No	µg/L	11/8/2006	11/26/2012	30	2	6.67	0.6	72	0.48	4.3	2.39	55	0	DOE/RL-96-61 Rev.0, Table ES-1	6.0	0	40 CFR 141--Federal MCL
Antimony	Yes	µg/L	11/8/2006	11/26/2012	21	0	0	4	72	--	--	--	55	--	DOE/RL-96-61 Rev.0, Table ES-1	6.0	--	40 CFR 141--Federal MCL
Arsenic	No	µg/L	5/9/2012	8/29/2012	5	5	100	0	0	2.31	3.38	2.85	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	5	WAC 173-340-720(4)(b)(iii)(A) and (B)
Beryllium	No	µg/L	11/8/2006	11/26/2012	26	0	0	0.1	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Beryllium	Yes	µg/L	11/8/2006	11/26/2012	21	0	0	0.61	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Cadmium	No	µg/L	11/8/2006	11/26/2012	30	0	0	0.05	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Cadmium	Yes	µg/L	11/8/2006	11/26/2012	21	0	0	0.91	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Chromium	No	µg/L	11/8/2006	11/26/2012	30	26	86.67	5	5	3.63	164	82.7	2.4	26	DOE/RL-96-61 Rev.0, Table ES-1	65	18	Clean Water Act -- Freshwater CCC
Chromium	Yes	µg/L	11/8/2006	11/26/2012	21	17	80.95	5	5	7	158	98.5	2.4	17	DOE/RL-96-61 Rev.0, Table ES-1	65	14	Clean Water Act -- Freshwater CCC
Cobalt	No	µg/L	11/8/2006	11/26/2012	30	2	6.67	0.1	7	0.073	0.11	0.090	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Cobalt	Yes	µg/L	11/8/2006	11/26/2012	21	0	0	4	7	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	4.8	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Copper	No	µg/L	11/8/2006	11/26/2012	30	11	36.67	0.2	7	0.22	20.8	7.00	0.81	7	DOE/RL-96-61 Rev.0, Table ES-1	9.0	4	Clean Water Act -- Freshwater CCC
Copper	Yes	µg/L	11/8/2006	11/26/2012	21	3	14.29	4	7	8	21.6	14.3	0.81	3	DOE/RL-96-61 Rev.0, Table ES-1	9.0	2	Clean Water Act -- Freshwater CCC
Cr(VI)	No	µg/L	11/30/2007	12/3/2012	117	109	93.16	2	8	2.1	179	95.3	--	--	--	10	106	WAC 173-201A
Cr(VI)	Yes	µg/L	7/12/2006	1/24/2011	15	15	100	0	0	62.1	140	104	--	--	--	10	15	WAC 173-201A
Iron	No	µg/L	11/8/2006	11/26/2012	23	11	47.83	18	38	11.8	56	30.2	570	0	DOE/RL-96-61 Rev.0, Table ES-1	1,000	0	Clean Water Act -- Freshwater CCC
Iron	Yes	µg/L	11/8/2006	11/26/2012	21	5	23.81	9	38	12	62	33.6	570	0	DOE/RL-96-61 Rev.0, Table ES-1	1,000	0	Clean Water Act -- Freshwater CCC
Lead	No	µg/L	4/29/2012	8/29/2012	7	5	71.43	0.1	0.1	0.13	0.34	0.19	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	2.1	0	WAC 173-201A
Manganese	No	µg/L	11/8/2006	11/26/2012	30	8	26.67	0.2	6	9	41.4	30.4	39	2	DOE/RL-96-61 Rev.0, Table ES-1	384	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Manganese	Yes	µg/L	11/8/2006	11/26/2012	21	5	23.81	3	6	4.4	40.4	16.5	39	1	DOE/RL-96-61 Rev.0, Table ES-1	384	0	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-21. Groundwater Summary Statistics for 100-H Area - Confined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Nickel	No	µg/L	11/8/2006	11/26/2012	30	10	33.33	0.2	66.5	0.21	7.8	3.09	1.6	6	DOE/RL-96-61 Rev.0, Table ES-1	52	0	Clean Water Act -- Freshwater CCC
Nickel	Yes	µg/L	11/8/2006	11/26/2012	21	1	4.76	4	66.5	6.9	6.9	6.9	1.6	1	DOE/RL-96-61 Rev.0, Table ES-1	52	0	Clean Water Act -- Freshwater CCC
Selenium	No	µg/L	5/9/2012	8/29/2012	5	0	0	1	2	--	--	--	11	--	DOE/RL-96-61 Rev.0, Table ES-1	5.0	--	Clean Water Act -- Freshwater CCC
Silver	No	µg/L	11/8/2006	11/26/2012	30	0	0	0.05	11	--	--	--	5.3	--	DOE/RL-96-61 Rev.0, Table ES-1	2.6	--	WAC 173-201A
Silver	Yes	µg/L	11/8/2006	11/26/2012	21	1	4.76	4	11	5.2	5.2	5.2	5.3	0	DOE/RL-96-61 Rev.0, Table ES-1	2.6	1	WAC 173-201A
Thallium	No	µg/L	5/9/2012	8/29/2012	5	0	0	0.05	0.1	--	--	--	1.7	--	DOE/RL-96-61 Rev.0, Table ES-1	0.50	--	40 CFR 141--Federal MCLG
Uranium	No	µg/L	11/27/2006	11/26/2012	23	23	100	--	--	0.34	2.89	1.56	10	0	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Vanadium	No	µg/L	11/8/2006	11/26/2012	30	29	96.67	17	17	10.3	42	25.0	12	27	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vanadium	Yes	µg/L	11/8/2006	11/26/2012	21	21	100	--	--	13.3	43	25.9	12	21	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Zinc	No	µg/L	11/8/2006	11/26/2012	30	13	43.33	2	9	1.3	156	25.8	22	2	DOE/RL-96-61 Rev.0, Table ES-1	91	1	WAC 173-201A
Zinc	Yes	µg/L	11/8/2006	11/26/2012	21	5	23.81	4	9	4	87.3	37.0	22	2	DOE/RL-96-61 Rev.0, Table ES-1	91	0	WAC 173-201A
Field Measurements																		
Dissolved oxygen	No	µg/L	10/12/2012	11/26/2012	3	3	100	0	0	7,070	9,100	8,197	--	--	--	--	--	--
pH Measurement	No	Unit-less	7/12/2006	11/26/2012	57	57	100	0	0	7.25	10.1	8.40	8.2	9	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Specific Conductance	No	µS/cm	7/12/2006	11/26/2012	55	55	100	0	0	208	395	267	541,000	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Temperature	No	Deg C	7/12/2006	11/26/2012	53	53	100	0	0	14.6	32.1	18.8	--	--	--	--	--	--
Turbidity	No	NTU	7/12/2006	11/26/2012	53	53	100	0	0	0.09	4.94	0.65	--	--	--	--	--	--

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

Table N-22. Groundwater Summary Statistics for Horn Area - Confined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Radionuclides																		
Gross alpha	No	pCi/L	2/11/2008	11/15/2012	34	5	14.71	-1.7	2.1	2	9.1	4.04	--	--	--	15	0	40 CFR 141 - Federal MCL
Gross beta	No	pCi/L	2/11/2008	11/15/2012	34	32	94.12	2.4	3.6	2.9	12	5.60	3.1	31	DOE/RL-96-61 Rev.0, Table ES-1	4.0 mrem	--	40 CFR 141 - Federal MCL
Tritium	No	pCi/L	2/11/2008	11/15/2012	25	8	32	-240	74	390	780	574	119	8	DOE/RL-96-61 Rev.0, Table ES-1	20,000	0	40 CFR 141 - Federal MCL
Anions																		
Fluoride	No	µg/L	2/11/2008	11/15/2012	24	21	87.5	88	250	66.6	371	245	1,047	0	DOE/RL-96-61 Rev.0, Table ES-1	960	0	WAC 173-340-720(4)(b)(iii) (A) and (B)
Nitrate	No	µg/L	2/11/2008	11/15/2012	24	24	100	--	--	436	18,300	2,906	26,871	0	DOE/RL-96-61 Rev.0, Table ES-1	45,000	0	40 CFR 141 - Federal MCL
Nitrite	No	µg/L	2/11/2008	11/15/2012	24	5	20.83	65.7	2,500	153	267	209	94	5	DOE/RL-96-61 Rev.0, Table ES-1	3,300	0	40 CFR 141 - Federal MCL
Sulfate	No	µg/L	2/11/2008	11/15/2012	24	24	100	--	--	11,400	56,000	26,217	47,014	1	DOE/RL-96-61 Rev.0, Table ES-1	250,000	0	40 CFR 141 - Secondary MCL
Metals																		
Antimony	No	µg/L	2/11/2008	11/15/2012	25	0	0	4	60	--	--	--	55	--	DOE/RL-96-61 Rev.0, Table ES-1	6.0	--	40 CFR 141--Federal MCL
Antimony	Yes	µg/L	2/11/2008	11/15/2012	25	0	0	4	60	--	--	--	55	--	DOE/RL-96-61 Rev.0, Table ES-1	6.0	--	40 CFR 141--Federal MCL
Beryllium	No	µg/L	2/11/2008	11/15/2012	25	0	0	0.5	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Beryllium	Yes	µg/L	2/11/2008	11/15/2012	25	0	0	0.5	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Cadmium	No	µg/L	2/11/2008	11/15/2012	25	0	0	0.45	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Cadmium	Yes	µg/L	2/11/2008	11/15/2012	25	0	0	0.45	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Chromium	No	µg/L	2/11/2008	11/15/2012	25	9	36	3.1	14	3.6	69.7	27.6	2.4	9	DOE/RL-96-61 Rev.0, Table ES-1	65	1	Clean Water Act -- Freshwater CCC
Chromium	Yes	µg/L	2/11/2008	11/15/2012	25	8	32	3.1	14	3.1	69.8	29.3	2.4	8	DOE/RL-96-61 Rev.0, Table ES-1	65	1	Clean Water Act -- Freshwater CCC
Cobalt	No	µg/L	2/11/2008	11/15/2012	25	0	0	4	5	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	4.8	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Cobalt	Yes	µg/L	2/11/2008	11/15/2012	25	1	4	4	5	5.9	5.9	5.9	0.92	1	DOE/RL-96-61 Rev.0, Table ES-1	4.8	1	WAC 173-340-720(4)(b)(iii)(A) and (B)
Copper	No	µg/L	2/11/2008	11/15/2012	25	3	12	4	6	5.4	7.8	6.53	0.81	3	DOE/RL-96-61 Rev.0, Table ES-1	9.0	0	Clean Water Act -- Freshwater CCC
Copper	Yes	µg/L	2/11/2008	11/15/2012	25	2	8	4	6	4.5	5.6	5.05	0.81	2	DOE/RL-96-61 Rev.0, Table ES-1	9.0	0	Clean Water Act -- Freshwater CCC
Cr(VI)	No	µg/L	1/23/2008	11/15/2012	38	14	36.84	2	3.7	3.7	62.6	28.8	--	--	--	10	12	WAC 173-201A
Cr(VI)	Yes	µg/L	9/27/2007	5/9/2011	17	7	41.18	2	2	8	42.3	32.0	--	--	--	10	6	WAC 173-201A

Table N-22. Groundwater Summary Statistics for Horn Area - Confined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Iron	No	µg/L	2/11/2008	11/15/2012	25	19	76	18	38	14.1	1,570	301	570	4	DOE/RL-96-61 Rev.0, Table ES-1	1,000	1	Clean Water Act -- Freshwater CCC
Iron	Yes	µg/L	2/11/2008	11/15/2012	25	15	60	16	38	10.1	969	253	570	3	DOE/RL-96-61 Rev.0, Table ES-1	1,000	0	Clean Water Act -- Freshwater CCC
Manganese	No	µg/L	2/11/2008	11/15/2012	25	21	84	4	6	4.9	602	183	39	13	DOE/RL-96-61 Rev.0, Table ES-1	384	2	WAC 173-340-720(4)(b)(iii)(A) and (B)
Manganese	Yes	µg/L	2/11/2008	11/15/2012	25	18	72	4	6	7.1	567	200	39	13	DOE/RL-96-61 Rev.0, Table ES-1	384	2	WAC 173-340-720(4)(b)(iii)(A) and (B)
Nickel	No	µg/L	2/11/2008	11/15/2012	25	1	4	4	13.3	5	5	5	1.6	1	DOE/RL-96-61 Rev.0, Table ES-1	52	0	Clean Water Act -- Freshwater CCC
Nickel	Yes	µg/L	2/11/2008	11/15/2012	25	1	4	4	13.3	6	6	6	1.6	1	DOE/RL-96-61 Rev.0, Table ES-1	52	0	Clean Water Act -- Freshwater CCC
Silver	No	µg/L	2/11/2008	11/15/2012	25	0	0	4	7	--	--	--	5.3	--	DOE/RL-96-61 Rev.0, Table ES-1	2.6	--	WAC 173-201A
Silver	Yes	µg/L	2/11/2008	11/15/2012	25	0	0	4	7	--	--	--	5.3	--	DOE/RL-96-61 Rev.0, Table ES-1	2.6	--	WAC 173-201A
Vanadium	No	µg/L	2/11/2008	11/15/2012	25	20	80	4.1	17	9	31.7	22.3	12	18	DOE/RL-96-61 Rev.0, Table ES-1	80.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vanadium	Yes	µg/L	2/11/2008	11/15/2012	25	20	80	4.1	17	9.2	42	23.4	12	18	DOE/RL-96-61 Rev.0, Table ES-1	80.0	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Zinc	No	µg/L	2/11/2008	11/15/2012	25	11	44	4	9	4	121	39.4	22	6	DOE/RL-96-61 Rev.0, Table ES-1	91	2	WAC 173-201A
Zinc	Yes	µg/L	2/11/2008	11/15/2012	25	7	28	4	9	7.6	92.4	32.5	22	2	DOE/RL-96-61 Rev.0, Table ES-1	91	1	WAC 173-201A
Field Measurements																		
Dissolved oxygen	No	µg/L	1/23/2008	11/15/2012	4	4	100	0	0	430	7,010	4,663	--	--	--	--	--	--
pH Measurement	No	Unit-less	1/23/2008	11/15/2012	43	43	100	0	0	7.56	9	8.13	8.2	12	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Specific Conductance	No	µS/cm	1/23/2008	11/15/2012	43	43	100	0	0	188	363	258	541,000	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Temperature	No	Deg C	1/23/2008	11/15/2012	43	43	100	0	0	13.3	26.6	18.0	--	--	--	--	--	--
Turbidity	No	NTU	1/23/2008	11/15/2012	43	43	100	0	0	0.27	5.3	1.43	--	--	--	--	--	--

Sources: 40 CFR 131, "Water Quality Standards."
40 CFR 141, "National Primary Drinking Water Regulations."
DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.
WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."
WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

Table N-23. Groundwater Summary Statistics for the ISRM D Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Radionuclides																		
Cesium-137	No	pCi/L	10/7/2009	11/20/2012	9	0	0	-3.7	1.37	--	--	--	8.6	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Cobalt-60	No	pCi/L	10/7/2009	11/20/2012	9	0	0	-1.43	1.04	--	--	--	0.023	--	DOE/RL-96-61 Rev.0, Table ES-1	100	--	40 CFR 141 - Federal MCL
Europium-152	No	pCi/L	10/7/2009	11/20/2012	9	0	0	-3.78	0.955	--	--	--	222	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Europium-154	No	pCi/L	10/7/2009	11/20/2012	9	0	0	-2.62	3.37	--	--	--	70	--	DOE/RL-96-61 Rev.0, Table ES-1	60	--	40 CFR 141 - Federal MCL
Europium-155	No	pCi/L	10/7/2009	11/20/2012	9	0	0	-6.9	2.07	--	--	--	5.9	--	DOE/RL-96-61 Rev.0, Table ES-1	600	--	40 CFR 141 - Federal MCL
Gross alpha	No	pCi/L	11/14/2006	12/11/2012	58	5	8.62	-2.3	3.6	1.21	4.2	2.68	--	--	--	15	--	40 CFR 141 - Federal MCL
Gross beta	No	pCi/L	11/14/2006	12/11/2012	58	50	86.21	2.4	5.9	3.4	220	57.9	3.1	50	DOE/RL-96-61 Rev.0, Table ES-1	4.0 mrem	--	40 CFR 141 - Federal MCL
Strontium-90	No	pCi/L	10/7/2009	10/28/2012	8	0	0	-12	0.89	--	--	--	0.0010	--	DOE/RL-96-61 Rev.0, Table ES-1	8.0	--	40 CFR 141 - Federal MCL
Technetium-99	No	pCi/L	10/7/2009	10/28/2012	8	2	25	-16	-3.4	8.1	16	12.1	0.83	2	DOE/RL-96-61 Rev.0, Table ES-1	900	0	40 CFR 141 - Federal MCL
Tritium	No	pCi/L	11/14/2006	12/11/2012	77	59	76.62	-120	317	260	28,500	7,841	119	59	DOE/RL-96-61 Rev.0, Table ES-1	20,000	4	40 CFR 141 - Federal MCL
Anions																		
Fluoride	No	µg/L	2/1/2006	12/11/2012	422	242	57.35	30	1,500	26	1,430	224	1,047	4	DOE/RL-96-61 Rev.0, Table ES-1	960	5	WAC 173-340-720(4)(b)(iii) (A) and (B)
Nitrate	No	µg/L	2/1/2006	12/11/2012	422	367	86.97	38.1	7,083	92.5	73,000	24,987	26,871	145	DOE/RL-96-61 Rev.0, Table ES-1	45,000	51	40 CFR 141 - Federal MCL
Nitrite	No	µg/L	2/1/2006	12/11/2012	422	194	45.97	9.85	3,022	62.4	5,580	849	94	191	DOE/RL-96-61 Rev.0, Table ES-1	3,300	3	40 CFR 141 - Federal MCL
Sulfate	No	µg/L	2/1/2006	12/11/2012	542	537	99.08	6,730	6,730	7,740	590,000	157,196	47,014	464	DOE/RL-96-61 Rev.0, Table ES-1	250,000	82	40 CFR 141 - Federal Secondary MCL
Metals																		
Antimony	No	µg/L	11/14/2006	12/11/2012	175	12	6.86	0.3	76	5.9	73.3	44.0	55	3	DOE/RL-96-61 Rev.0, Table ES-1	6.0	11	40 CFR 141--Federal MCL
Antimony	Yes	µg/L	11/14/2006	12/11/2012	187	9	4.81	0.3	72	5.1	68	47.8	55	4	DOE/RL-96-61 Rev.0, Table ES-1	6.0	9	40 CFR 141--Federal MCL
Arsenic	No	µg/L	10/30/2007	12/11/2012	165	159	96.36	0.8	0.95	0.42	16.8	3.24	7.9	7	DOE/RL-96-61 Rev.0, Table ES-1	0.058	159	WAC 173-340-720(4)(b)(iii)(A) and (B)
Arsenic	Yes	µg/L	11/14/2006	12/11/2012	130	114	87.69	0.8	2	0.40	11.2	2.73	7.9	3	DOE/RL-96-61 Rev.0, Table ES-1	0.058	114	WAC 173-340-720(4)(b)(iii)(A) and (B)
Beryllium	No	µg/L	11/14/2006	12/11/2012	173	0	0	0.1	8	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Beryllium	Yes	µg/L	11/14/2006	12/11/2012	187	1	0.53	0.1	4.1	0.13	0.13	0.13	2.3	0	DOE/RL-96-61 Rev.0, Table ES-1	4.0	0	40 CFR 141--Federal MCL
Cadmium	No	µg/L	11/14/2006	12/11/2012	213	18	8.45	0.1	8	0.1	5.9	1.04	0.92	3	DOE/RL-96-61 Rev.0, Table ES-1	0.25	8	Clean Water Act -- Freshwater CCC
Cadmium	Yes	µg/L	11/14/2006	12/11/2012	187	1	0.53	0.2	4.1	0.31	0.31	0.31	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	0.25	1	Clean Water Act -- Freshwater CCC
Chromium	No	µg/L	11/14/2006	12/11/2012	213	177	83.1	3.1	14	3.5	1,020	138	2.4	177	DOE/RL-96-61 Rev.0, Table ES-1	65	95	Clean Water Act -- Freshwater CCC
Chromium	Yes	µg/L	11/14/2006	12/11/2012	187	137	73.26	3.1	14	3.2	992	142	2.4	137	DOE/RL-96-61 Rev.0, Table ES-1	65	65	Clean Water Act -- Freshwater CCC
Cobalt	No	µg/L	11/14/2006	12/11/2012	177	55	31.07	4	8	0.45	34.3	13.3	0.92	54	DOE/RL-96-61 Rev.0, Table ES-1	4.8	41	WAC 173-340-720(4)(b)(iii)(A) and (B)
Cobalt	Yes	µg/L	11/14/2006	12/11/2012	187	42	22.46	4	7	2.2	34.4	14.2	0.92	42	DOE/RL-96-61 Rev.0, Table ES-1	4.8	33	WAC 173-340-720(4)(b)(iii)(A) and (B)
Copper	No	µg/L	11/14/2006	12/11/2012	213	70	32.86	0.2	7	0.23	160	13.4	0.81	66	DOE/RL-96-61 Rev.0, Table ES-1	9.0	35	Clean Water Act -- Freshwater CCC

Table N-23. Groundwater Summary Statistics for the ISRM D Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Copper	Yes	µg/L	11/14/2006	12/11/2012	187	36	19.25	0.2	7	0.22	22.3	10.0	0.81	33	DOE/RL-96-61 Rev.0, Table ES-1	9.0	19	Clean Water Act -- Freshwater CCC
Cr(VI)	No	µg/L	1/24/2006	12/11/2012	1414	1316	93.07	1	200	2	1,070	157	--	--	--	10	1,031	WAC 173-201A
Cr(VI)	Yes	µg/L	2/1/2006	9/22/2011	322	232	72.05	2	200	2	1,040	121	--	--	--	10	176	WAC 173-201A
Iron	No	µg/L	11/14/2006	12/11/2012	211	167	79.15	18	38	14.4	2E+06	139,236	570	73	DOE/RL-96-61 Rev.0, Table ES-1	1,000	65	Clean Water Act -- Freshwater CCC
Iron	Yes	µg/L	11/14/2006	12/11/2012	187	82	43.85	9	38	11.3	99,000	7,054	570	23	DOE/RL-96-61 Rev.0, Table ES-1	1,000	18	Clean Water Act -- Freshwater CCC
Lead	No	µg/L	8/9/2008	4/29/2012	46	42	91.3	0.2	0.2	0.26	21.6	5.70	0.92	36	DOE/RL-96-61 Rev.0, Table ES-1	2.1	27	WAC 173-201A
Lead	Yes	µg/L	10/7/2009	8/17/2011	7	1	14.29	0.1	0.2	0.34	0.34	0.34	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	2.1	0	WAC 173-201A
Manganese	No	µg/L	11/14/2006	12/11/2012	213	138	64.79	0.2	8	4	2,910	464	39	80	DOE/RL-96-61 Rev.0, Table ES-1	384	45	WAC 173-340-720(4)(b)(iii)(A) and (B)
Manganese	Yes	µg/L	11/14/2006	12/11/2012	187	94	50.27	2.5	6	4.1	530	60.9	39	38	DOE/RL-96-61 Rev.0, Table ES-1	384	1	WAC 173-340-720(4)(b)(iii)(A) and (B)
Mercury	No	µg/L	10/7/2009	6/3/2010	6	0	0	0.1	0.1	--	--	--	0.0030	--	DOE/RL-96-61 Rev.0, Table ES-1	0.0012	--	Clean Water Act -- Freshwater CCC
Mercury	Yes	µg/L	10/7/2009	6/3/2010	6	0	0	0.05	0.1	--	--	--	0.0030	--	DOE/RL-96-61 Rev.0, Table ES-1	0.0012	--	Clean Water Act -- Freshwater CCC
Nickel	No	µg/L	11/14/2006	12/11/2012	213	134	62.91	4	66.5	1.5	171	20.0	1.6	133	DOE/RL-96-61 Rev.0, Table ES-1	52	9	Clean Water Act -- Freshwater CCC
Nickel	Yes	µg/L	11/14/2006	12/11/2012	187	69	36.9	4	66.5	4	163	29.3	1.6	69	DOE/RL-96-61 Rev.0, Table ES-1	52	10	Clean Water Act -- Freshwater CCC
Selenium	No	µg/L	8/10/2009	6/3/2010	7	5	71.43	0.6	0.6	0.76	2.22	1.59	11	0	DOE/RL-96-61 Rev.0, Table ES-1	5.0	0	Clean Water Act -- Freshwater CCC
Selenium	Yes	µg/L	8/10/2009	6/3/2010	7	6	85.71	0.6	0.6	0.72	2.59	1.52	11	0	DOE/RL-96-61 Rev.0, Table ES-1	5.0	0	Clean Water Act -- Freshwater CCC
Silver	No	µg/L	11/14/2006	12/11/2012	175	32	18.29	0.1	11	6	134	28.7	5.3	32	DOE/RL-96-61 Rev.0, Table ES-1	2.6	32	WAC 173-201A
Silver	Yes	µg/L	11/14/2006	12/11/2012	187	22	11.76	0.2	11	0.29	31.8	20.1	5.3	21	DOE/RL-96-61 Rev.0, Table ES-1	2.6	21	WAC 173-201A
Thallium	No	µg/L	10/7/2009	6/3/2010	6	0	0	0.05	0.1	--	--	--	1.7	--	DOE/RL-96-61 Rev.0, Table ES-1	0.5	0	40 CFR 141--Federal MCLG
Thallium	Yes	µg/L	10/7/2009	6/3/2010	6	1	16.67	0.05	0.1	0.32	0.32	0.32	1.7	0	DOE/RL-96-61 Rev.0, Table ES-1	0.5	0	40 CFR 141--Federal MCLG
Uranium	No	µg/L	11/14/2006	12/11/2012	145	143	98.62	0.1	0.1	0.10	5.7	2.09	10	0	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Uranium	Yes	µg/L	10/7/2009	10/8/2009	2	2	100	0	0	1.61	3.56	2.59	10	0	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Vanadium	No	µg/L	11/14/2006	12/11/2012	175	80	45.71	4.1	17	4.9	70.6	19.0	12	65	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vanadium	Yes	µg/L	11/14/2006	12/11/2012	187	70	37.43	4.1	17	4.3	32.9	15.8	12	46	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Zinc	No	µg/L	11/14/2006	12/11/2012	213	123	57.75	4	9	1.2	960	195	22	95	DOE/RL-96-61 Rev.0, Table ES-1	91	65	WAC 173-201A
Zinc	Yes	µg/L	11/14/2006	12/11/2012	187	71	37.97	4	9.6	4.4	499	90.1	22	46	DOE/RL-96-61 Rev.0, Table ES-1	91	24	WAC 173-201A
Field Measurements																		
Dissolved oxygen	No	µg/L	2/1/2006	12/11/2012	1629	1629	100	--	--	10	248,300	3,260	--	--	--	--	--	--
Oxidation Reduction Potential	No	mV	2/6/2006	6/3/2010	482	482	100	--	--	-115	452	168	--	--	--	--	--	--
pH Measurement	No	Unit-less	2/1/2006	12/11/2012	1653	1653	100	--	--	0.873	11.4	8.41	8.2	176	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Specific Conductance	No	µS/cm	2/1/2006	12/11/2012	1720	1720	100	--	--	166	9,640	775	541,000	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Temperature	No	Deg C	2/1/2006	12/11/2012	1650	1650	100	--	--	5.31	33.5	16.9	--	--	--	--	--	--

Table N-23. Groundwater Summary Statistics for the ISRM D Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90th Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Turbidity	No	NTU	2/1/2006	12/11/2012	483	483	100	--	--	0.14	1,000	22.4	--	--	--	--	--	--

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

Table N-24. Groundwater Summary Statistics for ISRM H Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90[a] Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Radionuclides																		
Cesium-137	No	pCi/L	10/11/2009	5/13/2010	3	0	0	-0.19	1.92	--	--	--	8.6	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Cobalt-60	No	pCi/L	10/11/2009	5/13/2010	3	0	0	-0.050	1.46	--	--	--	0.023	--	DOE/RL-96-61 Rev.0, Table ES-1	100	--	40 CFR 141 - Federal MCL
Europium-152	No	pCi/L	10/11/2009	5/13/2010	3	0	0	1.11	1.47	--	--	--	222	--	DOE/RL-96-61 Rev.0, Table ES-1	200	--	40 CFR 141 - Federal MCL
Europium-154	No	pCi/L	10/11/2009	5/13/2010	3	0	0	-1.94	0.11	--	--	--	70	--	DOE/RL-96-61 Rev.0, Table ES-1	60	--	40 CFR 141 - Federal MCL
Europium-155	No	pCi/L	10/11/2009	5/13/2010	3	0	0	-0.35	1.74	--	--	--	5.9	--	DOE/RL-96-61 Rev.0, Table ES-1	600	--	40 CFR 141 - Federal MCL
Gross alpha	No	pCi/L	12/6/2007	5/13/2010	4	0	0	-1.8	2.4	--	--	--	--	--	--	15	--	40 CFR 141 - Federal MCL
Gross beta	No	pCi/L	12/6/2007	5/13/2010	4	4	100	--	--	4	14	8.41	3.1	4	DOE/RL-96-61 Rev.0, Table ES-1	4.0 mrem	--	40 CFR 141 - Federal MCL
Strontium-90	No	pCi/L	10/11/2009	5/13/2010	3	0	0	-4.4	-1.8	--	--	--	0.0010	--	DOE/RL-96-61 Rev.0, Table ES-1	8.0	--	40 CFR 141 - Federal MCL
Technetium-99	No	pCi/L	10/11/2009	5/13/2010	3	0	0	-12	-2.8	--	--	--	0.83	--	DOE/RL-96-61 Rev.0, Table ES-1	900	--	40 CFR 141 - Federal MCL
Tritium	No	pCi/L	12/6/2007	5/13/2010	4	4	100	--	--	2,800	4,500	3,975	119	4	DOE/RL-96-61 Rev.0, Table ES-1	20,000	0	40 CFR 141 - Federal MCL
Volatile Organic Compounds																		
1,1-Dichloroethene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.051	1	--	--	--	--	--	--	7.0	--	40 CFR 141 - Federal MCL
Benzene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.045	1	--	--	--	--	--	--	0.80	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Carbon tetrachloride	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.063	1	--	--	--	--	--	--	0.63	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Chloroform	No	µg/L	10/11/2009	5/13/2010	3	1	33.33	0.1	1	0.44	0.44	0.44	--	--	--	1.4	0	WAC 173-340-720(4)(b) (iii)(A) and (B)
Trichloroethene	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.21	1	--	--	--	--	--	--	0.95	--	WAC 173-340-720(4)(b)(iii) (A) and (B)
Vinyl chloride	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.032	1	--	--	--	--	--	--	0.061	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Anions																		
Fluoride	No	µg/L	11/27/2006	10/19/2012	7	5	71.43	60	60	90.6	220	139	1,047	0	DOE/RL-96-61 Rev.0, Table ES-1	960	0	WAC 173-340-720(4)(b)(iii) (A) and (B)
Nitrate	No	µg/L	11/27/2006	10/19/2012	7	7	100	--	--	27,500	35,700	31,542	26,871	7	DOE/RL-96-61 Rev.0, Table ES-1	45,000	0	40 CFR 141 - Federal MCL
Nitrite	No	µg/L	12/6/2007	10/19/2012	6	3	50	32.8	118	214	1,380	639	94	3	DOE/RL-96-61 Rev.0, Table ES-1	3,300	0	40 CFR 141 - Federal MCL
Sulfate	No	µg/L	11/27/2006	10/19/2012	7	7	100	--	--	44,300	97,900	60,414	47,014	5	DOE/RL-96-61 Rev.0, Table ES-1	250,000	0	40 CFR 141 - Federal Secondary MCL

Table N-24. Groundwater Summary Statistics for ISRM H Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90[a] Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Metals																		
Antimony	No	µg/L	12/6/2007	5/13/2010	4	3	75	32	32	0.65	0.74	0.70	55	0	DOE/RL-96-61 Rev.0, Table ES-1	6.0	0	40 CFR 141--Federal MCL
Antimony	Yes	µg/L	11/27/2006	5/13/2010	5	3	60	32	44.8	0.68	0.81	0.73	55	0	DOE/RL-96-61 Rev.0, Table ES-1	6.0	0	40 CFR 141--Federal MCL
Arsenic	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	1.96	2.44	2.17	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	3	WAC 173-340-720(4)(b)(iii)(A) and (B)
Arsenic	Yes	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	1.88	2.17	2.01	7.9	0	DOE/RL-96-61 Rev.0, Table ES-1	0.058	3	WAC 173-340-720(4)(b)(iii)(A) and (B)
Beryllium	No	µg/L	12/6/2007	5/13/2010	4	0	0	0.1	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Beryllium	Yes	µg/L	11/27/2006	5/13/2010	5	1	20	0.1	4	0.16	0.16	0.16	2.3	0	DOE/RL-96-61 Rev.0, Table ES-1	4.0	0	40 CFR 141--Federal MCL
Cadmium	No	µg/L	12/6/2007	5/13/2010	4	0	0	0.2	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Cadmium	Yes	µg/L	11/27/2006	5/13/2010	5	0	0	0.2	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Chromium	No	µg/L	12/6/2007	5/13/2010	4	4	100	0	0	4.1	24.9	18.1	2.4	4	DOE/RL-96-61 Rev.0, Table ES-1	65	0	Clean Water Act -- Freshwater CCC
Chromium	Yes	µg/L	11/27/2006	5/13/2010	5	4	80	4	4	6.8	23.2	15.8	2.4	4	DOE/RL-96-61 Rev.0, Table ES-1	65	0	Clean Water Act -- Freshwater CCC
Cobalt	No	µg/L	12/6/2007	5/13/2010	4	1	25	0.1	4	0.14	0.14	0.14	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Cobalt	Yes	µg/L	11/27/2006	5/13/2010	5	1	20	0.1	5	0.19	0.19	0.19	0.92	0	DOE/RL-96-61 Rev.0, Table ES-1	4.8	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Copper	No	µg/L	12/6/2007	5/13/2010	4	3	75	4	4	0.26	0.65	0.47	0.81	0	DOE/RL-96-61 Rev.0, Table ES-1	9.0	0	Clean Water Act -- Freshwater CCC
Copper	Yes	µg/L	11/27/2006	5/13/2010	5	2	40	0.2	4	0.20	0.23	0.22	0.81	0	DOE/RL-96-61 Rev.0, Table ES-1	9.0	0	Clean Water Act -- Freshwater CCC
Cr(VI)	No	µg/L	12/6/2007	10/19/2012	15	15	100	0	0	6	38.7	21.2	--	--	--	10	14	WAC 173-201A
Cr(VI)	Yes	µg/L	7/13/2006	4/20/2011	9	8	88.89	5	5	8	32.3	17.3	--	--	--	10	6	WAC 173-201A
Iron	No	µg/L	12/6/2007	5/13/2010	4	4	100	--	--	25.8	110	67.93	570	0	DOE/RL-96-61 Rev.0, Table ES-1	1,000	0	Clean Water Act -- Freshwater CCC
Iron	Yes	µg/L	11/27/2006	5/13/2010	5	5	100	--	--	25.4	27.5	26.4	570	0	DOE/RL-96-61 Rev.0, Table ES-1	1,000	0	Clean Water Act -- Freshwater CCC
Lead	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.2	0.2	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	2.1	--	WAC 173-201A
Lead	Yes	µg/L	10/11/2009	5/13/2010	3	0	0	0.2	0.2	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	2.1	--	WAC 173-201A

Table N-24. Groundwater Summary Statistics for ISRM H Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90[4] Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Manganese	No	µg/L	12/6/2007	5/13/2010	4	0	0	4	4	--	--	--	39	--	DOE/RL-96-61 Rev.0, Table ES-1	384	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Manganese	Yes	µg/L	11/27/2006	5/13/2010	5	0	0	2.5	4	--	--	--	39	--	DOE/RL-96-61 Rev.0, Table ES-1	384	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Mercury	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.1	0.1	--	--	--	0.0030	--	DOE/RL-96-61 Rev.0, Table ES-1	0.012	--	40 CFR 131 -- Freshwater CCC
Mercury	Yes	µg/L	10/11/2009	5/13/2010	3	0	0	0.1	0.1	--	--	--	0.0030	--	DOE/RL-96-61 Rev.0, Table ES-1	0.012	--	40 CFR 131 -- Freshwater CCC
Nickel	No	µg/L	12/6/2007	5/13/2010	4	0	0	4	4	--	--	--	1.6	--	DOE/RL-96-61 Rev.0, Table ES-1	52	--	Clean Water Act -- Freshwater CCC
Nickel	Yes	µg/L	11/27/2006	5/13/2010	5	0	0	4	7.5	--	--	--	1.6	--	DOE/RL-96-61 Rev.0, Table ES-1	52	--	Clean Water Act -- Freshwater CCC
Selenium	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	1.03	1.45	1.25	11	0	DOE/RL-96-61 Rev.0, Table ES-1	5.0	0	Clean Water Act -- Freshwater CCC
Selenium	Yes	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	1.23	2.07	1.63	11	0	DOE/RL-96-61 Rev.0, Table ES-1	5.0	0	Clean Water Act -- Freshwater CCC
Silver	No	µg/L	12/6/2007	5/13/2010	4	1	25	0.2	5	1.00	1.00	1.00	5.3	0	DOE/RL-96-61 Rev.0, Table ES-1	2.6	0	WAC 173-201A
Silver	Yes	µg/L	11/27/2006	5/13/2010	5	1	20	0.2	5.2	0.4	0.41	0.41	5.3	0	DOE/RL-96-61 Rev.0, Table ES-1	2.6	0	WAC 173-201A
Thallium	No	µg/L	10/11/2009	5/13/2010	3	0	0	0.1	0.1	--	--	--	1.7	--	DOE/RL-96-61 Rev.0, Table ES-1	0.50	--	40 CFR 141--Federal MCLG
Thallium	Yes	µg/L	10/11/2009	5/13/2010	3	1	33.33	0.1	0.1	0.1	0.1	0.1	1.7	0	DOE/RL-96-61 Rev.0, Table ES-1	0.50	0	40 CFR 141--Federal MCLG
Uranium	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	1.31	1.54	1.42	10	0	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Uranium	Yes	µg/L	10/11/2009	10/11/2009	1	1	100	--	--	1.26	1.26	1.26	10	0	DOE/RL-96-61 Rev.0, Table ES-1	30	0	40 CFR 141--Federal MCL
Vanadium	No	µg/L	12/6/2007	5/13/2010	4	0	0	7	12	--	--	--	12	--	DOE/RL-96-61 Rev.0, Table ES-1	80	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vanadium	Yes	µg/L	11/27/2006	5/13/2010	5	2	40	12	12	6.8	8.6	7.7	12	0	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Zinc	No	µg/L	12/6/2007	5/13/2010	4	2	50	6	6	6.8	12.9	9.85	22	0	DOE/RL-96-61 Rev.0, Table ES-1	91	0	WAC 173-201A
Zinc	Yes	µg/L	11/27/2006	5/13/2010	5	3	60	6	6	6.4	14.6	9.27	22	0	DOE/RL-96-61 Rev.0, Table ES-1	91	0	WAC 173-201A
Field Measurements																		
Dissolved oxygen	No	µg/L	10/11/2009	5/13/2010	3	3	100	--	--	8,270	9,180	8,673	--	--	--	--	--	--
Oxidation Reduction Potential	No	mV	10/11/2009	5/13/2010	3	3	100	--	--	113	273	170	--	--	--	--	--	--

Table N-24. Groundwater Summary Statistics for ISRM H Area - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90[a] Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
pH Measurement	No	Unit-less	7/13/2006	10/19/2012	18	18	100	--	--	7.63	8.09	7.79	8.2	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Specific Conductance	No	µS/cm	7/13/2006	10/19/2012	18	18	100	--	--	438	595	492	541,000	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Temperature	No	Deg C	7/13/2006	10/19/2012	18	18	100	--	--	16.5	20.8	17.8	--	--	--	--	--	--
Turbidity	No	NTU	7/13/2006	10/19/2012	18	18	100	--	--	0.69	4.55	2.25	--	--	--	--	--	--

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

Table N-25. Groundwater Summary Statistics for Biostimulation Treatability Test Area Using Molasses - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90[a] Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Volatile Organic Compounds																		
1,1-Dichloroethene	No	µg/L	3/30/2010	6/28/2012	2	0	0	1	1	--	--	--	--	--	--	7.0	--	40 CFR 141 - Federal MCL
Benzene	No	µg/L	3/30/2010	6/28/2012	2	0	0	1	1	--	--	--	--	--	--	0.80	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Carbon tetrachloride	No	µg/L	3/30/2010	6/28/2012	2	0	0	1	1	--	--	--	--	--	--	0.63	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Chloroform	No	µg/L	3/30/2010	6/28/2012	2	0	0	1	1	--	--	--	--	--	--	1.4	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Trichloroethene	No	µg/L	3/30/2010	6/28/2012	2	0	0	1	1	--	--	--	--	--	--	0.95	--	WAC 173-340-720(4)(b)(iii) (A) and (B)
Vinyl chloride	No	µg/L	3/30/2010	6/28/2012	2	0	0	1	1	--	--	--	--	--	--	0.061	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Anions																		
Fluoride	No	µg/L	3/30/2010	6/28/2012	8	6	75	440	600	78.5	364	173	1,047	0	DOE/RL-96-61 Rev.0, Table ES-1	960	0	WAC 173-340-720(4)(b)(iii) (A) and (B)
Nitrate	No	µg/L	3/30/2010	6/28/2012	8	1	12.5	274	2,740	14,400	14,400	14,400	26,871	0	DOE/RL-96-61 Rev.0, Table ES-1	45,000	0	40 CFR 141 - Federal MCL
Nitrite	No	µg/L	3/30/2010	6/28/2012	8	1	12.5	118	1,180	992	992	992	94	1	DOE/RL-96-61 Rev.0, Table ES-1	3,300	0	40 CFR 141 - Federal MCL
Sulfate	No	µg/L	3/30/2010	6/28/2012	8	8	100	--	--	1,340	145,000	53,835	47,014	4	DOE/RL-96-61 Rev.0, Table ES-1	250,000	0	40 CFR 141 - Federal Secondary MCL
Metals																		
Antimony	No	µg/L	3/30/2010	6/28/2012	8	0	0	36	47	--	--	--	55	--	DOE/RL-96-61 Rev.0, Table ES-1	6.0	--	40 CFR 141--Federal MCL
Antimony	Yes	µg/L	3/30/2010	6/28/2012	8	0	0	36	47	--	--	--	55	--	DOE/RL-96-61 Rev.0, Table ES-1	6.0	--	40 CFR 141--Federal MCL
Beryllium	No	µg/L	3/30/2010	6/28/2012	8	0	0	4	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Beryllium	Yes	µg/L	3/30/2010	6/28/2012	8	0	0	4	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Cadmium	No	µg/L	3/30/2010	6/28/2012	8	0	0	4	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Cadmium	Yes	µg/L	3/30/2010	6/28/2012	8	0	0	4	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Chromium	No	µg/L	3/30/2010	6/28/2012	8	1	12.5	5	14	15	15	15	2.4	1	DOE/RL-96-61 Rev.0, Table ES-1	65	0	Clean Water Act -- Freshwater CCC
Chromium	Yes	µg/L	3/30/2010	6/28/2012	8	1	12.5	5	14	14	14	14	2.4	1	DOE/RL-96-61 Rev.0, Table ES-1	65	0	Clean Water Act -- Freshwater CCC
Cobalt	No	µg/L	3/30/2010	6/28/2012	8	5	62.5	4	4	4	24	14.4	0.92	5	DOE/RL-96-61 Rev.0, Table ES-1	4.8	4	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-25. Groundwater Summary Statistics for Biostimulation Treatability Test Area Using Molasses - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90[a] Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Cobalt	Yes	µg/L	3/30/2010	6/28/2012	8	5	62.5	4	4	6	24	14.0	0.92	5	DOE/RL-96-61 Rev.0, Table ES-1	4.8	5	WAC 173-340-720(4)(b)(iii)(A) and (B)
Copper	No	µg/L	3/30/2010	6/28/2012	8	5	62.5	4	5	5	52.4	17.3	0.81	5	DOE/RL-96-61 Rev.0, Table ES-1	9.0	3	Clean Water Act -- Freshwater CCC
Copper	Yes	µg/L	3/30/2010	6/28/2012	8	3	37.5	4	5	4	16.5	9.5	0.81	3	DOE/RL-96-61 Rev.0, Table ES-1	9.0	1	Clean Water Act -- Freshwater CCC
Cr(VI)	No	µg/L	3/30/2010	6/28/2012	8	0	0	2	200	--	--	--	--	--	--	10	--	WAC 173-201A
Cr(VI)	Yes	µg/L	3/30/2010	8/18/2010	7	1	14.29	2	200	4.8	4.8	4.8	--	--	--	10	0	WAC 173-201A
Iron	No	µg/L	3/30/2010	6/28/2012	8	8	100	--	--	558	24,500	6,296	570	7	DOE/RL-96-61 Rev.0, Table ES-1	1,000	7	Clean Water Act -- Freshwater CCC
Iron	Yes	µg/L	3/30/2010	6/28/2012	8	8	100	--	--	405	24,500	5,502	570	7	DOE/RL-96-61 Rev.0, Table ES-1	1,000	5	Clean Water Act -- Freshwater CCC
Manganese	No	µg/L	3/30/2010	6/28/2012	8	8	100	--	--	5,190	26,700	17,610	39	8	DOE/RL-96-61 Rev.0, Table ES-1	384	8	WAC 173-340-720(4)(b)(iii)(A) and (B)
Manganese	Yes	µg/L	3/30/2010	6/28/2012	8	8	100	--	--	5,190	25,800	17,406	39	8	DOE/RL-96-61 Rev.0, Table ES-1	384	8	WAC 173-340-720(4)(b)(iii)(A) and (B)
Mercury	No	µg/L	3/30/2010	3/30/2010	1	0	0	0.1	0.1	--	--	--	0.0030	--	DOE/RL-96-61 Rev.0, Table ES-1	0.012	--	40 CFR 131 -- Freshwater CCC
Mercury	Yes	µg/L	3/30/2010	3/30/2010	1	0	0	0.1	0.1	--	--	--	0.0030	--	DOE/RL-96-61 Rev.0, Table ES-1	0.012	--	40 CFR 131 -- Freshwater CCC
Nickel	No	µg/L	3/30/2010	6/28/2012	8	8	100	--	--	9	143	54.2	1.6	8	DOE/RL-96-61 Rev.0, Table ES-1	52	3	Clean Water Act -- Freshwater CCC
Nickel	Yes	µg/L	3/30/2010	6/28/2012	8	8	100	--	--	5	138	53.2	1.6	8	DOE/RL-96-61 Rev.0, Table ES-1	52	3	Clean Water Act -- Freshwater CCC
Silver	No	µg/L	3/30/2010	6/28/2012	8	1	12.5	4	7	7.6	7.6	7.6	5.3	1	DOE/RL-96-61 Rev.0, Table ES-1	2.6	1	WAC 173-201A
Silver	Yes	µg/L	3/30/2010	6/28/2012	8	1	12.5	4	7	15.3	15.3	15.3	5.3	1	DOE/RL-96-61 Rev.0, Table ES-1	2.6	1	WAC 173-201A
Vanadium	No	µg/L	3/30/2010	6/28/2012	8	5	62.5	12	17	12.9	81	35.8	12	5	DOE/RL-96-61 Rev.0, Table ES-1	80	1	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vanadium	Yes	µg/L	3/30/2010	6/28/2012	8	6	75	17	17	10.7	87	31.1	12	5	DOE/RL-96-61 Rev.0, Table ES-1	80	1	WAC 173-340-720(4)(b)(iii)(A) and (B)
Zinc	No	µg/L	3/30/2010	6/28/2012	8	3	37.5	4	6	7	12.3	10.1	22	0	DOE/RL-96-61 Rev.0, Table ES-1	91	0	WAC 173-201A
Zinc	Yes	µg/L	3/30/2010	6/28/2012	8	1	12.5	4	6	10.1	10.1	10.1	22	0	DOE/RL-96-61 Rev.0, Table ES-1	91	0	WAC 173-201A
Field Measurements																		
pH Measurement	No	Unit-less	3/30/2010	6/28/2012	8	8	100	--	--	6.54	7.07	6.75	8.2	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--

Table N-25. Groundwater Summary Statistics for Biostimulation Treatability Test Area Using Molasses - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90[a] Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Specific Conductance	No	µS/cm	3/30/2010	6/28/2012	8	8	100	--	--	873	4,167	2,019	541,000	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Temperature	No	Deg C	3/30/2010	6/28/2012	8	8	100	--	--	17.3	22.3	20.3	--	--	--	--	--	--
Turbidity	No	NTU	3/30/2010	6/28/2012	8	8	100	--	--	2.36	100	24.6	--	--	--	--	--	--

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards.

Table N-26. Groundwater Summary Statistics for Biostimulation Treatability Test Area Using Emulsified Vegetable Oil - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90[a] Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Volatile Organic Compounds																		
1,1-Dichloroethene	No	µg/L	3/30/2010	3/30/2010	1	0	0	1	1	--	--	--	--	--	--	7.0	--	40 CFR 141 - Federal MCL
Benzene	No	µg/L	3/30/2010	3/30/2010	1	0	0	1	1	--	--	--	--	--	--	0.80	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Carbon tetrachloride	No	µg/L	3/30/2010	3/30/2010	1	0	0	1	1	--	--	--	--	--	--	0.63	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Chloroform	No	µg/L	3/30/2010	3/30/2010	1	0	0	1	1	--	--	--	--	--	--	1.4	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Trichloroethene	No	µg/L	3/30/2010	3/30/2010	1	0	0	1	1	--	--	--	--	--	--	0.95	--	WAC 173-340-720(4)(b)(iii) (A) and (B)
Vinyl chloride	No	µg/L	3/30/2010	3/30/2010	1	0	0	1	1	--	--	--	--	--	--	0.061	--	WAC 173-340-720(4)(b) (iii)(A) and (B)
Anions																		
Fluoride	No	µg/L	3/30/2010	8/23/2010	7	1	14.29	600	15,000	219	219	219	1,047	0	DOE/RL-96-61 Rev.0, Table ES-1	960	0	WAC 173-340-720(4)(b)(iii) (A) and (B)
Nitrate	No	µg/L	3/30/2010	8/23/2010	7	0	0	274	70,800	--	--	--	26,871	--	DOE/RL-96-61 Rev.0, Table ES-1	45,000	--	40 CFR 141 - Federal MCL
Nitrite	No	µg/L	3/30/2010	8/23/2010	7	0	0	118	29,900	--	--	--	94	--	DOE/RL-96-61 Rev.0, Table ES-1	3,300	--	40 CFR 141 - Federal MCL
Sulfate	No	µg/L	3/30/2010	8/23/2010	7	4	57.14	6,600	33,000	6,210	13,800	9,983	47,014	0	DOE/RL-96-61 Rev.0, Table ES-1	250,000	0	40 CFR 141 - Federal Secondary MCL
Metals																		
Antimony	No	µg/L	3/30/2010	8/23/2010	7	0	0	38	47	--	--	--	55	--	DOE/RL-96-61 Rev.0, Table ES-1	6.0	--	40 CFR 141--Federal MCL
Antimony	Yes	µg/L	3/30/2010	8/23/2010	7	0	0	38	47	--	--	--	55	--	DOE/RL-96-61 Rev.0, Table ES-1	6.0	--	40 CFR 141--Federal MCL
Beryllium	No	µg/L	3/30/2010	8/23/2010	7	0	0	4	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Beryllium	Yes	µg/L	3/30/2010	8/23/2010	7	0	0	4	4	--	--	--	2.3	--	DOE/RL-96-61 Rev.0, Table ES-1	4.0	--	40 CFR 141--Federal MCL
Cadmium	No	µg/L	3/30/2010	8/23/2010	7	0	0	4	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Cadmium	Yes	µg/L	3/30/2010	8/23/2010	7	0	0	4	4	--	--	--	0.92	--	DOE/RL-96-61 Rev.0, Table ES-1	0.25	--	Clean Water Act -- Freshwater CCC
Chromium	No	µg/L	3/30/2010	8/23/2010	7	0	0	13	14	--	--	--	2.4	--	DOE/RL-96-61 Rev.0, Table ES-1	65	--	Clean Water Act -- Freshwater CCC
Chromium	Yes	µg/L	3/30/2010	8/23/2010	7	0	0	13	14	--	--	--	2.4	--	DOE/RL-96-61 Rev.0, Table ES-1	65	--	Clean Water Act -- Freshwater CCC
Cobalt	No	µg/L	3/30/2010	8/23/2010	7	5	71.43	4	4	5.4	89	62.3	0.92	5	DOE/RL-96-61 Rev.0, Table ES-1	4.8	5	WAC 173-340-720(4)(b)(iii)(A) and (B)

Table N-26. Groundwater Summary Statistics for Biostimulation Treatability Test Area Using Emulsified Vegetable Oil - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90[a] Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Cobalt	Yes	µg/L	3/30/2010	8/23/2010	7	6	85.71	4	4	4	94	55.0	0.92	6	DOE/RL-96-61 Rev.0, Table ES-1	4.8	5	WAC 173-340-720(4)(b)(iii)(A) and (B)
Copper	No	µg/L	3/30/2010	8/23/2010	7	1	14.29	4	5	4.8	4.8	4.8	0.81	1	DOE/RL-96-61 Rev.0, Table ES-1	9.0	0	Clean Water Act -- Freshwater CCC
Copper	Yes	µg/L	3/30/2010	8/23/2010	7	0	0	4	5	--	--	--	0.81	--	DOE/RL-96-61 Rev.0, Table ES-1	9.0	--	Clean Water Act -- Freshwater CCC
Cr(VI)	No	µg/L	3/30/2010	8/23/2010	7	5	71.43	2	2	2	11	5.36	--	--	--	10	1	WAC 173-201A
Cr(VI)	Yes	µg/L	3/30/2010	8/23/2010	7	5	71.43	2	2	2.5	16.2	8.04	--	--	--	10	1	WAC 173-201A
Iron	No	µg/L	3/30/2010	8/23/2010	7	7	100	--	--	1,640	34,500	19,020	570	7	DOE/RL-96-61 Rev.0, Table ES-1	1,000	7	Clean Water Act -- Freshwater CCC
Iron	Yes	µg/L	3/30/2010	8/23/2010	7	7	100	--	--	56	27,400	17,117	570	5	DOE/RL-96-61 Rev.0, Table ES-1	1,000	5	Clean Water Act -- Freshwater CCC
Manganese	No	µg/L	3/30/2010	8/23/2010	7	7	100	--	--	10,900	35,500	23,557	39	7	DOE/RL-96-61 Rev.0, Table ES-1	384	7	WAC 173-340-720(4)(b)(iii)(A) and (B)
Manganese	Yes	µg/L	3/30/2010	8/23/2010	7	7	100	--	--	11,000	36,200	23,729	39	7	DOE/RL-96-61 Rev.0, Table ES-1	384	7	WAC 173-340-720(4)(b)(iii)(A) and (B)
Mercury	No	µg/L	3/30/2010	3/30/2010	1	0	0	0.1	0.1	--	--	--	0.0030	--	DOE/RL-96-61 Rev.0, Table ES-1	0.012	--	40 CFR 131 -- Freshwater CCC
Mercury	Yes	µg/L	3/30/2010	3/30/2010	1	0	0	0.05	0.05	--	--	--	0.0030	--	DOE/RL-96-61 Rev.0, Table ES-1	0.012	--	40 CFR 131 -- Freshwater CCC
Nickel	No	µg/L	3/30/2010	8/23/2010	7	4	57.14	4	4	58	69	63.3	1.6	4	DOE/RL-96-61 Rev.0, Table ES-1	52	4	Clean Water Act -- Freshwater CCC
Nickel	Yes	µg/L	3/30/2010	8/23/2010	7	4	57.14	4	4	57	76	66.5	1.6	4	DOE/RL-96-61 Rev.0, Table ES-1	52	4	Clean Water Act -- Freshwater CCC
Silver	No	µg/L	3/30/2010	8/23/2010	7	1	14.29	5	7	5	5	5	5.3	0	DOE/RL-96-61 Rev.0, Table ES-1	2.6	1	WAC 173-201A
Silver	Yes	µg/L	3/30/2010	8/23/2010	7	1	14.29	5	7	7	7	7	5.3	1	DOE/RL-96-61 Rev.0, Table ES-1	2.6	1	WAC 173-201A
Vanadium	No	µg/L	3/30/2010	8/23/2010	7	1	14.29	12	17	16.7	16.7	16.7	12	1	DOE/RL-96-61 Rev.0, Table ES-1	80	0	WAC 173-340-720(4)(b)(iii)(A) and (B)
Vanadium	Yes	µg/L	3/30/2010	8/23/2010	7	0	0	12	17	--	--	--	12	--	DOE/RL-96-61 Rev.0, Table ES-1	80	--	WAC 173-340-720(4)(b)(iii)(A) and (B)
Zinc	No	µg/L	3/30/2010	8/23/2010	7	4	57.14	4	6	7	11	8.5	22	0	DOE/RL-96-61 Rev.0, Table ES-1	91	0	WAC 173-201A
Zinc	Yes	µg/L	3/30/2010	8/23/2010	7	4	57.14	4	6	7	11	9.5	22	0	DOE/RL-96-61 Rev.0, Table ES-1	91	0	WAC 173-201A
Field Measurements																		
pH Measurement	No	Unit-less	3/30/2010	8/23/2010	7	7	100	--	--	6.13	6.84	6.44	8.2	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--

Table N-26. Groundwater Summary Statistics for Biostimulation Treatability Test Area Using Emulsified Vegetable Oil - Unconfined Aquifer

Analyte	Filtered?	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Non- Detect	Max Non- Detect	Min Detect	Max Detect	Mean Detect	Groundwater Background 90[a] Percentile	No. of Detects > Groundwater Background	Groundwater Background Level Basis	Action Level	No. of Detects > Action Level	Action Level Basis
Specific Conductance	No	µS/cm	3/30/2010	8/23/2010	7	7	100	--	--	1,140	1,368	1,263	541,000	0	DOE/RL-96-61 Rev.0, Table ES-1	--	--	--
Temperature	No	Deg C	3/30/2010	8/23/2010	7	7	100	--	--	19.7	21.8	20.3	--	--	--	--	--	--
Turbidity	No	NTU	3/30/2010	8/23/2010	7	7	100	--	--	4.71	129	27.8	--	--	--	--	--	--

Sources: 40 CFR 131, "Water Quality Standards."

40 CFR 141, "National Primary Drinking Water Regulations."

DOE/RL-96-61, *Hanford Site Background: Part 3, Groundwater Background*.

WAC 173-201A, "Water Quality Standards for Surface Waters of the State of Washington."

WAC 173-340-720, "Model Toxics Control Act—Cleanup," "Groundwater Cleanup Standards."

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