4. Groundwater Monitoring Data, including Site Investigation Data

Table 4-1. BXS-1: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1
	Sample ID	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1
	Date	8/13/1988	12/27/1988	3/28/1989	6/15/1989	9/13/1989	12/11/1989	8/1/1990	8/29/1990	8/1/1991	8/1/1992	3/1/1992
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L											
Ammonia as Nitrogen	mg/L	0.06	0.05 U	0.71	0.13	0.05	0.05 U					
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Dissolved Bicarbonate	mg/L											
Chemical Oxygen Demand	mg/L	126	17	24	60	30	27					
Chloride	mg/L	65	40	24	49	32	60					
Coliforms	MPN/100 mL	>2400	21	22	2 U	2 U	2 U					
Conductivity	umhos/cm	454	402	240	316	342	350					310
Specific Conductance	mS/cm											
Eh	mV											
Fluoride	mg/L											
Nitrate+Nitrite as Nitrogen	mg/L											
Nitrate as Nitrogen	mg/L	0.04	0.6	0.2 U	1.4	0.2 U	0.2 U					
Nitrite as Nitrogen	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U					
Dissolved Oxygen	mg/L											
pH	--	5.8	6	5.8	6.1	6.25	5.88					5.76
Sulfate	mg/L	0.2 U	7.5	8.1	7	5.3	6.9					
Tannin and Lignin	mg/L	1.5	0.16	0.2 U	0.2	0.2	0.5					
Temperature	C											
Turbidity	NTU											
Total Organic Carbon	mg/L											
Total Dissolved Solids	mg/L											
Total Suspended Solids	mg/L											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L											
Barium	mg/L											
Cadmium	mg/L											
Calcium	mg/L											
Chromium	mg/L											
Copper	mg/L											
Iron	mg/L	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02					
Lead	mg/L											
Magnesium	mg/L											
Manganese	mg/L	0.31	0.31	0.083	0.14	0.133	0.283					
Mercury	mg/L											
Nickel	mg/L											
Potassium	mg/L											
Selenium	mg/L											
Silver	mg/L											
Sodium	mg/L											
Zinc	mg/L	0.03	0.012	0.01 U	0.01 U	0.01 U	0.01 U					
Phenols												
Phenol	µg/L								10 U			
2-Chlorophenol	µg/L								10 U			
2,4-Dichlorophenol	µg/L								10 U			
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L								50 U			
2,4,6-Trichlorophenol	µg/L								10 U			
Pentachlorophenol	µg/L							74	74	52	100	49
2-Methylphenol	µg/L								10 U			
4-Methylphenol	µg/L								10 U			
2,4-Dimethylphenol	µg/L								10 U			
2-Nitrophenol	µg/L								10 U			
4-Nitrophenol	µg/L								50 U			
2,4-Dinitrophenol	µg/L								50 U			
4,6-Dinitro-2-methylphenol	µg/L								50 U			
4-Chloro-3-methylphenol	µg/L								10 U			
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L								10 U			
Acenaphthene	µg/L								10 U			
Acenaphthylene	µg/L								10 U			
Anthracene	µg/L								10 U			
Benzo(a)anthracene	µg/L								10 U			
Benzo(a)pyrene	µg/L								10 U			
Benzo(b)fluoranthene	µg/L								10 U			
Benzo(g,h,i)perylene	µg/L								10 U			
Benzo(k)fluoranthene	µg/L								10 U			
Chrysene	µg/L								10 U			
Dibenz(a,h)anthracene	µg/L								10 U			
Fluoranthene	µg/L								10 U			
Fluorene	µg/L								10 U			
Indeno(1,2,3-cd)pyrene	µg/L								10 U			
Naphthalene	µg/L								10 U			
Phenanthrene	µg/L								10 U			
Pyrene	µg/L								10 U			
Total PAHs (calculated)	µg/L								10 U			
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-1. BXS-1: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1
	Sample ID	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1
	Date	3/24/1992	6/23/1992	9/25/1992	12/9/1992	3/1/1993	3/16/1993	6/1/1993	6/22/1993	9/1/1993	9/7/1993	12/2/1993
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L											
Ammonia as Nitrogen	mg/L	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U		0.05 U		0.05 U	0.05
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Dissolved Bicarbonate	mg/L											
Chemical Oxygen Demand	mg/L	29	23	21	35		19		14		15	15
Chloride	mg/L	20		14	15		11		12		13	13
Coliforms	MPN/100 mL	140	2 U	240	2 U		11		8		2	2 U
Conductivity	umhos/cm	338	356	245	254	171	216	171	181		224	194
Specific Conductance	mS/cm											
Eh	mV											
Fluoride	mg/L	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U		0.2 U		0.2 U	0.2 U
Nitrate+Nitrite as Nitrogen	mg/L	1.2		0.4	0.5		0.6		0.8		1.1	0.6
Nitrate as Nitrogen	mg/L											
Nitrite as Nitrogen	mg/L											
Dissolved Oxygen	mg/L											
pH	--	6.15	6.29	6.04	6.03	6.21	6.28	6.21	6.57		6.03	5.96
Sulfate	mg/L	7.9		9.7	9.4		12		9.3		9.6	9.2
Tannin and Lignin	mg/L	0.2 U		0.1	0.4		0.2 U		0.2 U		0.2 U	0.2 U
Temperature	C											
Turbidity	NTU											
Total Organic Carbon	mg/L	1.7	4.7	3.8	4.8		3.9		1.8		3.7	3.9
Total Dissolved Solids	mg/L	209	239	176	149		127		130		153	161
Total Suspended Solids	mg/L											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U		0.005 U		0.005 U	0.005 U
Barium	mg/L	0.014	0.02	0.013	0.012		0.01		0.009		0.008	0.01
Cadmium	mg/L	0.009	0.003 U	0.003 U	0.003 U		0.003 U		0.003 U		0.003 U	0.003 U
Calcium	mg/L											
Chromium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U		0.005 U		0.005 U	0.005 U
Copper	mg/L	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U		0.01 U		0.01 U	0.01 U
Iron	mg/L	0.021	0.02 U	0.02 U	0.02 U		0.02 U		0.02 U		0.02 U	0.02 U
Lead	mg/L	0.002 U	0.002 U	0.002 U	0.002 U		0.002 U		0.002 U		0.002 U	0.002 U
Magnesium	mg/L											
Manganese	mg/L	0.156	0.214		0.177		0.119		0.108		0.19	0.153
Mercury	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U		0.0005 U		0.0005 U		0.0005 U	0.0005 U
Nickel	mg/L	0.02 U			0.02 U		0.02 U		0.02 U		0.02 U	0.02 U
Potassium	mg/L											
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U		0.005 U		0.005 U	0.005 U
Silver	mg/L	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U		0.01 U		0.01 U	0.01 U
Sodium	mg/L											
Zinc	mg/L	0.01 U	0.014		0.01 U		0.01 U		0.01 U		0.01 U	0.01 U
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L											
Pentachlorophenol	µg/L					91		100		110		110
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
2,4-Dinitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-1. BXS-1: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1
	Sample ID	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1
	Date	3/22/1994	6/21/1994	8/15/1994	10/12/1994	11/30/1994	1/10/1995	2/16/1995	4/27/1995	8/1/1995	10/10/1995	1/11/1996
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L			107		130		94	111.5	119	141.5	98
Ammonia as Nitrogen	mg/L	0.05 U	0.05 U		0.05 U		0.05 U		0.05 U	0.05 U	0.12	0.05 U
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Dissolved Bicarbonate	mg/L			107		130		94	111.5	119	141.5	98
Chemical Oxygen Demand	mg/L	21	21		26		17		19	16	20	15
Chloride	mg/L	15	13	11	12	10	12	14	12	14.5	12	19
Coliforms	MPN/100 mL	2	2 U		70		30		140	2 U	23	80
Conductivity	umhos/cm	209	214		198		239		267	365	286	275
Specific Conductance	mS/cm											
Eh	mV											
Fluoride	mg/L	0.2 U	0.2 U		0.2 U		0.2 U					
Nitrate+Nitrite as Nitrogen	mg/L				0.3		0.4		0.9	0.5	0.3	2.7
Nitrate as Nitrogen	mg/L	0.8	0.5									
Nitrite as Nitrogen	mg/L	0.2 U	0.2 U									
Dissolved Oxygen	mg/L											
pH	--	6.03	6.15		6.07		6.12		6.13	5.99	6.07	6.04
Sulfate	mg/L	11	12	14	14	11	10	11	11	12	12	13
Tannin and Lignin	mg/L	0.2 U	0.2 U		0.2 U		0.2		0.2 U	0.2 U	0.3	0.2 U
Temperature	C											
Turbidity	NTU											
Total Organic Carbon	mg/L	3.5	5.3	5.3	4	7.3	3.6	4.1	3.5	5.1	5.3	4.1
Total Dissolved Solids	mg/L	146	156		181		165		177	199	167	206
Total Suspended Solids	mg/L											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.005 U	0.005 U		0.005 U		0.005 U		0.005 U	0.005 U	0.005 U	0.005 U
Barium	mg/L	0.011	0.016		0.012		0.012		0.02	0.017	0.018	0.015
Cadmium	mg/L	0.003 U	0.003 U		0.003 U		0.003 U		0.003 U	0.003 U	0.003 U	0.004 U
Calcium	mg/L			23.5		29		22.05	26.8	26.4	28.2	24.6
Chromium	mg/L	0.005 U	0.005 U		0.005 U		0.005 U					
Copper	mg/L	0.01 U	0.01 U		0.01 U		0.01 U		0.01 U	0.01 U	0.01 U	0.01 U
Iron	mg/L	0.02 U	0.028	0.02 U	0.022	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Lead	mg/L	0.002 U	0.002 U		0.002 U		0.002 U					
Magnesium	mg/L			14.6		1.8		13.8	16.55	16.5	17.65	15
Manganese	mg/L	0.011	0.076	0.114	0.18	0.201	0.081	0.053	0.052	0.077	0.09	0.081
Mercury	mg/L	0.0005 U	0.0005 U		0.0005 U		0.0005 U					
Nickel	mg/L	0.02 U	0.02 U		0.02 U		0.02 U		0.02 U	0.02 U	0.02 U	0.02 U
Potassium	mg/L					2.1		2.47	2.5	2.38	2.45	
Selenium	mg/L	0.007	0.005 U		0.005 U		0.005 U					
Silver	mg/L	0.01 U	0.01 U		0.01 U		0.01 U					
Sodium	mg/L			6.85		9.08		6.69	7.6	7.14	8.765	7.6
Zinc	mg/L	0.01 U	0.013		0.01 U		0.01 U		0.01 U	0.01 U	0.01 U	0.011
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L											
Pentachlorophenol	µg/L			5		19			335	34	30.5	59
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
2,4-Dinitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-1. BXS-1: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1
	Sample ID	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-6	BXS-1	BXS-6
	Date	4/18/1996	#######	9/25/1996	1/14/1997	4/9/1997	8/6/1997	10/6/1997	1/15/1998	1/15/1998	4/15/1998	4/15/1998
Analyte	**Unit**									**Field dup**		**Field dup**
Conventionals												
Alkalinity	mg/L	113.5	131	141.5	134.5	127.5	158	171	184	182	181	182
Ammonia as Nitrogen	mg/L	0.07	0.05 U		0.12	0.06	0.05 U					
Bicarb. Alkalinity as $CaCO_3$	mg/L								184	182	181	182
Dissolved Bicarbonate	mg/L	113.5	131	141.5	134.5	127.5	158	171				
Chemical Oxygen Demand	mg/L	17	18	21	16	11	19	18	7	6	14	16
Chloride	mg/L	16	12	15	17	13	13	12.3	11.4	11.6	11.8	11.9
Coliforms	MPN/100 mL	30	140	8	2	2 U	2 U	8	2 U	2 U	2 U	4
Conductivity	umhos/cm	234	290	286	335	276	335	388	319	304	397	402
Specific Conductance	mS/cm											
Eh	mV											
Fluoride	mg/L											
Nitrate+Nitrite as Nitrogen	mg/L	1.3	1.1	0.7	3.4	1.4	0.7	0.5	0.4	0.4	0.3	0.3
Nitrate as Nitrogen	mg/L											
Nitrite as Nitrogen	mg/L											
Dissolved Oxygen	mg/L											
pH	--	6.05	5.99	4.6	6.02	6.07	5.87	5.85	5.96	6.06	6.3	6.31
Sulfate	mg/L	12	13	13	11	16	11	10.1	11	10.6	10.1	10.3
Tannin and Lignin	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U	0.2 U
Temperature	C											
Turbidity	NTU											
Total Organic Carbon	mg/L	4	4.2	5.7	5.3	4.8	6.3	6.7	6.6	6.9	6.4	6.4
Total Dissolved Solids	mg/L	203	222	210	242	216	256	243	238	253	230	246
Total Suspended Solids	mg/L											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium	mg/L	0.018	0.022	0.019	0.022	0.021	0.025	0.025	0.026	0.025	0.026	0.026
Cadmium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Calcium	mg/L	26.5	31.45	30.1	30.9	29.85	33.7	35.05	39.7	38.4	40.6	39.8
Chromium	mg/L											
Copper	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	mg/L	0.02 U	0.027	0.028	0.021	0.02 U	0.021	0.02 U	0.051	0.055	0.02 U	0.02 U
Lead	mg/L											
Magnesium	mg/L	16.25	19.25	18.55	19.35	18.6	20.9	22.25	24.4	23.6		0.14
Manganese	mg/L	0.06	0.061	0.083	0.07	0.076	0.101	0.111	0.141	0.138	0.143	14
Mercury	mg/L											
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Potassium	mg/L		6.84		2.9	3.55	2.95	2.5	2.17	2.18		2.1
Selenium	mg/L											
Silver	mg/L											
Sodium	mg/L	7.96	8.735	9.225	8.805	8.51	9.725	9.115	9.41	9.04		9.13
Zinc	mg/L	0.025	0.012	0.01 U	0.013	0.012	0.015	0.012	0.014	0.014	0.01	0.01 U
Phenols												
Phenol	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
2,4-Dichlorophenol	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
Pentachlorophenol	µg/L	28.5	16	29	22.5	37	43	33	34	36	17	29
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
2-Nitrophenol	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
4-Nitrophenol	µg/L								0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L								0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-2-methylphenol	µg/L								0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L								1 U	1 U	1 U	1 U
Acenaphthylene	µg/L								1 U	1 U	1 U	1 U
Anthracene	µg/L								0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)anthracene	µg/L								0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	µg/L								0.1 U	0.1 U	0.1 U	0.1 U
Benzo(b)fluoranthene	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
Benzo(g,h,i)perylene	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	µg/L								0.1 U	0.1 U	0.1 U	0.1 U
Chrysene	µg/L								0.1 U	0.1 U	0.1 U	0.1 U
Dibenz(a,h)anthracene	µg/L								0.1 U	0.1 U	0.1 U	0.1 U
Fluoranthene	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
Fluorene	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
Indeno(1,2,3-cd)pyrene	µg/L								0.1 U	0.1 U	0.1 U	0.1 U
Naphthalene	µg/L								1 U	1 U	1 U	1 U
Phenanthrene	µg/L								0.1 U	0.1 U	0.1 U	0.1 U
Pyrene	µg/L								0.2 U	0.2 U	0.2 U	0.2 U
Total PAHs (calculated)	µg/L								1 U	1 U	1 U	1 U
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-1. BXS-1: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1
	Sample ID	BXS-1	BXS-6	BXS-1	BXS-6	BXS-1	BXS-6	BXS-1	BXS-6	BXS-1	BXS-6	BXS-1	BXS-6
	Date	7/16/1998	7/16/1998	10/6/1998	10/6/1998	1/12/1999	1/12/1999	4/13/1999	4/13/1999	7/21/1999	7/21/1999	10/4/1999	10/4/19
Analyte	**Unit**		**Field dup**		**Field dup**		**Field dup**		**Field dup**		**Field dup**		**Field du**
Conventionals													
Alkalinity	mg/L	204	203	222	226	201	196	198	192	218	222	231	234
Ammonia as Nitrogen	mg/L					0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05
Bicarb. Alkalinity as $CaCO_3$	mg/L	204	203	222	226	201	196	198	192	218	222	231	234
Dissolved Bicarbonate	mg/L												
Chemical Oxygen Demand	mg/L	22	21	27	30	19	5 U	17	16	22	24	28	29
Chloride	mg/L	10.8	10.8	12.2	12	11.5	11.6	12	11.8	9.9	10	9	9.9
Coliforms	MPN/100 mL	2	2 U	2 U	2 U	7	11	2	2 U	4	4	2 U	2
Conductivity	umhos/cm	421	308	399	401	407	412	397	401	434	432	420	436
Specific Conductance	mS/cm												
Eh	mV												
Fluoride	mg/L												
Nitrate+Nitrite as Nitrogen	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.4	0.7	0.7	0.2	0.3	0.2 U	0.2
Nitrate as Nitrogen	mg/L												
Nitrite as Nitrogen	mg/L												
Dissolved Oxygen	mg/L												
pH	--	6.14	6.19	6.03	6.16	6.4	6.24	6.26	6.16	6.16	6.08	6.24	6.08
Sulfate	mg/L	8.8	8.7	9.4	9.2	9.6	9.6	8.3	8.1	7.5	7.5	7.2	7
Tannin and Lignin	mg/L	0.2 U	0.2 U	0.5	0.4	1	0.9	1	0.8	0.6	0.6	0.7	1.1
Temperature	C												
Turbidity	NTU												
Total Organic Carbon	mg/L	7	7.3	7.5	7.5	6.9	6.7	6.8	6.8	7.1	7.2	7.7	6.9
Total Dissolved Solids	mg/L	334	283	276	290	267	261	398	256	274	290	284	298
Total Suspended Solids	mg/L											122	
Metals													
Copper	mg/L												
Iron	mg/L												
Dissolved Metals													
Arsenic	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005
Barium	mg/L	0.026	0.005 U	0.028	0.028	0.028	0.026	0.023	0.023	0.025	0.022	0.035	0.031
Cadmium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004
Calcium	mg/L	42.4	41.5	46	46.3	43.3	43.7	40.9	41.4	41.4	39.9	45.2	44.1
Chromium	mg/L												
Copper	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01
Iron	mg/L	0.024	0.02 U	0.108	0.143	0.049	0.07	0.02 U	0.02 U	0.02 U	0.02	0.027	0.051
Lead	mg/L												
Magnesium	mg/L	27.1	26.7	29.4	29.8	26.8	27.1	25	25.9	26.7	24.3	29.8	29.4
Manganese	mg/L	0.164	0.163	0.172	0.175	0.219	0.22	0.164	0.165	0.21	0.201	0.234	0.229
Mercury	mg/L												
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.023	0.022	0.021	0.02 U	0.02 U	0.02	0.02 U	0.025	0.02
Potassium	mg/L	2.3	2 U	2.3	2 U	3	3.2	2 U	2 U	2 U	2 U	2 U	2
Selenium	mg/L												
Silver	mg/L												
Sodium	mg/L	9.07	8.89	9.14	9.33	10.7	10.8	9.37	9.51	10.7	10.4	11.7	11.6
Zinc	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.016	0.01 U	0.02	0.014	0.01 U	0.01 U	0.01 U	0.01
Phenols													
Phenol	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
2-Chlorophenol	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
2,4-Dichlorophenol	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
3,4-Dichlorophenol	µg/L												
3,5-Dichlorophenol	µg/L												
2,4,5-Trichlorophenol	µg/L												
2,4,6-Trichlorophenol	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Pentachlorophenol	µg/L	9.8	10	27	31	39	36	36	38	21	28	23	29
2-Methylphenol	µg/L												
4-Methylphenol	µg/L												
2,4-Dimethylphenol	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
2-Nitrophenol	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
4-Nitrophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5
2,4-Dinitrophenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5
4,6-Dinitro-2-methylphenol	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5
4-Chloro-3-methylphenol	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Total Phenols	µg/L												
Total Tetrachlorophenols	µg/L												
PAHs													
2-Methylnaphthalene	µg/L												
Acenaphthene	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Acenaphthylene	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1
Benzo(a)anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1
Benzo(a)pyrene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1
Benzo(b)fluoranthene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Benzo(g,h,i)perylene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Benzo(k)fluoranthene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1
Chrysene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1
Dibenz(a,h)anthracene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1
Fluoranthene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Fluorene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Indeno(1,2,3-cd)pyrene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1
Naphthalene	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Phenanthrene	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1
Pyrene	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Total PAHs (calculated)	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1
Petroleum Hydrocarbons													
Diesel Range Organics	µg/L												
Residual Range Organics	µg/L												

Table 4-1. BXS-1: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station		BXS-1		BXS-1		BXS-1		BXS-1		BXS-1		BXS-1		BXS-1		BXS-1		BXS-1		BXS-1	
	Sample ID		BXS-1		BXS-6		BXS-1		BXS-6		BXS-1		BXS-6		BXS-1		BXS-6		BXS-1		BXS-6	
	Date	99	1/13/2000		1/13/2000		4/20/2000		4/20/2000		7/26/2000		7/26/2000		10/5/2000		10/5/2000		1/16/2001		1/16/2001	
Analyte	**Unit**	**p**			**Field dup**				**Field dup**				**Field dup**				**Field dup**				**Field dup**	
Conventionals																						
Alkalinity	mg/L		200		197		220		216						262		253					
Ammonia as Nitrogen	mg/L	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.1		0.07	
Bicarb. Alkalinity as $CaCO_3$	mg/L		200		197		220		216						262		253					
Dissolved Bicarbonate	mg/L																					
Chemical Oxygen Demand	mg/L		17		21		24		21		29		14		26		27		21		23	
Chloride	mg/L		8.8		8.8		8.2		8.2		8.3		8.2		6.7		7		7.7		7.7	
Coliforms	MPN/100 mL	U	2	U	2	U	11		7		2	U	2	U	2	UJ	2	J	2	UJ	2	UJ
Conductivity	umhos/cm		371		359		342		344		401		429		414		436		473		494	
Specific Conductance	mS/cm																					
Eh	mV																					
Fluoride	mg/L																					
Nitrate+Nitrite as Nitrogen	mg/L		0.6		0.6		0.4		0.4		0.5		0.5		0.2	U	0.2	U	0.3		0.3	
Nitrate as Nitrogen	mg/L										0.5		0.5									
Nitrite as Nitrogen	mg/L										0.1	U	0.2	U								
Dissolved Oxygen	mg/L																					
pH	--		6.17		6.18		6.15		6.08		5.96		5.93		6.15		6.12		6.06		6.1	
Sulfate	mg/L		8.1		8.3		7.7		7.6		7.8		7.2		6.1		6.1		7.7		7.8	
Tannin and Lignin	mg/L		0.2		0.2		0.3		0.3		0.3		0.4		0.5		0.5		0.6		0.7	
Temperature	C																					
Turbidity	NTU																					
Total Organic Carbon	mg/L		6.4		6.4		6.6		6.6		7.7		7.1		9.7		9.7		8.6		8.6	
Total Dissolved Solids	mg/L		250		234		330		318		323		291		281		275		286		272	
Total Suspended Solids	mg/L		4	U	4	U													6			
Metals																						
Copper	mg/L																					
Iron	mg/L																					
Dissolved Metals																						
Arsenic	mg/L	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Barium	mg/L		0.023		0.026		0.029		0.027		0.028		0.027		0.034		0.033		0.03		0.03	
Cadmium	mg/L	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
Calcium	mg/L		34.2		36.8		43.3		44.9						49.2		49.7					
Chromium	mg/L																					
Copper	mg/L	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Iron	mg/L		0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.03	
Lead	mg/L																					
Magnesium	mg/L		21		22.8		27.8		28.5						32.7		32.9					
Manganese	mg/L		0.172		0.188		0.264		0.272		0.307		0.308		0.346		0.348		0.409		0.397	
Mercury	mg/L																					
Nickel	mg/L	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02		0.02		0.02	U	0.02	U	0.02		0.02	
Potassium	mg/L	U	3.8		2	U	2	U	2						2	U	2					
Selenium	mg/L																					
Silver	mg/L																					
Sodium	mg/L		9.15		10.1		11.2		11.4						12.5		12.5					
Zinc	mg/L	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01		0.01	U	0.01		0.01	
Phenols																						
Phenol	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
2-Chlorophenol	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
2,4-Dichlorophenol	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
3,4-Dichlorophenol	µg/L																					
3,5-Dichlorophenol	µg/L																					
2,4,5-Trichlorophenol	µg/L																					
2,4,6-Trichlorophenol	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
Pentachlorophenol	µg/L		35		40		28		30						16		17		19			
2-Methylphenol	µg/L																					
4-Methylphenol	µg/L																					
2,4-Dimethylphenol	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
2-Nitrophenol	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
4-Nitrophenol	µg/L	U	0.5	U	0.5	U	0.5	U	0.5	U												
2,4-Dinitrophenol	µg/L	U	0.5	U	0.5	U	0.5	U	0.5	U												
4,6-Dinitro-2-methylphenol	µg/L	U	0.5	U	0.5	U	0.5	U	0.5	U												
4-Chloro-3-methylphenol	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
Total Phenols	µg/L																					
Total Tetrachlorophenols	µg/L																					
PAHs																						
2-Methylnaphthalene	µg/L																					
Acenaphthene	µg/L	U	1	U	1	U	1	U	1	U												
Acenaphthylene	µg/L	U	1	U	1	U	1	U	1	U												
Anthracene	µg/L	U	0.1	U	0.1	U	0.1	U	0.1	U												
Benzo(a)anthracene	µg/L	U	0.1	U	0.1	U	0.1	U	0.1	U												
Benzo(a)pyrene	µg/L	U	0.1	U	0.1	U	0.1	U	0.1	U												
Benzo(b)fluoranthene	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
Benzo(g,h,i)perylene	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
Benzo(k)fluoranthene	µg/L	U	0.1	U	0.1	U	0.1	U	0.1	U												
Chrysene	µg/L	U	0.1	U	0.1	U	0.1	U	0.1	U												
Dibenz(a,h)anthracene	µg/L	U	0.1	U	0.1	U	0.1	U	0.1	U												
Fluoranthene	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
Fluorene	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
Indeno(1,2,3-cd)pyrene	µg/L	U	0.1	U	0.1	U	0.1	U	0.1	U												
Naphthalene	µg/L	U	1	U	1	U	1	U	1	U												
Phenanthrene	µg/L	U	0.1	U	0.1	U	0.1	U	0.1	U												
Pyrene	µg/L	U	0.2	U	0.2	U	0.2	U	0.2	U												
Total PAHs (calculated)	µg/L	U	1	U	1	U	1	U	1	U												
Petroleum Hydrocarbons																						
Diesel Range Organics	µg/L																					
Residual Range Organics	µg/L																					

Table 4-1. BXS-1: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1
	Sample ID	BXS-1	BXS-6	BXS-1	BXS-6	BXS-1	BXS-6	BXS-1	BXS-1	BXS-1	BXS-6	BXS-1
	Date	4/4/2001	4/4/2001	7/10/2001	7/10/2001	10/2/2001	10/2/2001	10/9/2001	1/14/2002	4/11/2002	4/11/2002	7/11/2002
Analyte	**Unit**		**Field dup**		**Field dup**		**Field dup**				**Field dup**	
Conventionals												
Alkalinity	mg/L								242	214		238
Ammonia as Nitrogen	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U	0.05 U	0.05 UJ		0.05 U
Bicarb. Alkalinity as $CaCO_3$	mg/L			242	250				242			238
Dissolved Bicarbonate	mg/L											
Chemical Oxygen Demand	mg/L	27	27	23	24	18		18	20	14		
Chloride	mg/L	5.9	5.8	5.6	5.5	4.3		4.3	5	5.7		6
Coliforms	MPN/100 mL		2 UJ	2 UJ	2 UJ	2 UJ		2 UJ	2 UJ	2 UJ		2 U
Conductivity	umhos/cm	506	474	489	490	504		504	471	443		434
Specific Conductance	mS/cm											
Eh	mV											
Fluoride	mg/L											
Nitrate+Nitrite as Nitrogen	mg/L	0.2	0.4	0.4	0.4				0.2	1.1		0.7
Nitrate as Nitrogen	mg/L					0.3 UJ		0.3 UJ				
Nitrite as Nitrogen	mg/L					0.1 U		0.1 U				
Dissolved Oxygen	mg/L											
pH	--	6.33	6.01	6.09 J	6.12 J	6.07 J		6.07 J	6.17	6 J		6.21
Sulfate	mg/L	8.3	8	7.2	7.1	6.7		6.7	6.8	7.9		7.5
Tannin and Lignin	mg/L	0.4	0.4	0.5	0.5	0.6		0.6	0.3	0.4		0.5
Temperature	C											
Turbidity	NTU											
Total Organic Carbon	mg/L	7.5	7.5	6.8	7.3	7.1		7.1	5.9	6.4		6
Total Dissolved Solids	mg/L	284	258	212	262	262		262	275	356		384
Total Suspended Solids	mg/L	5 U	5 U	5 U		5 U	5 U	5 U	5 U	20 Ui	5 U	5 U
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U	0.005 U	0.005 U		0.01 U
Barium	mg/L	0.025	0.025	0.027	0.027	0.031		0.031	0.0271	0.024	0.023	0.0284
Cadmium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	mg/L	44.9	47.7	46.8		50	49.8	50	47.3	41.4	41.4	46.9
Chromium	mg/L											
Copper	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U	0.01	0.01 U
Iron	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Lead	mg/L											
Magnesium	mg/L	28.4	30	28.7		31.6	31.4	31.6	29.3	27.4	27.4	28.9
Manganese	mg/L	0.341	0.345	0.396	0.4	0.556		0.556	0.464	0.362	0.353	0.373
Mercury	mg/L											
Nickel	mg/L	0.02 U	0.02 U	0.027	0.026	0.024		0.024	0.027	0.02 U	0.02 U	0.0265
Potassium	mg/L	2	3	2 U		2.47	2.54	2.47	2.8	2.33	2.36	2.5
Selenium	mg/L											
Silver	mg/L											
Sodium	mg/L	11	11.3	12.2		13.9	14.2	13.9	11.4	10.5	10.5	11.6
Zinc	mg/L	0.01 U	0.01	0.01 U	0.01 U	0.013		0.013	0.014	0.01 U	0.01 U	0.01 U
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L											
Pentachlorophenol	µg/L	27	33	25		29 J	36 J	29 J	37	22	22	38
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
2,4-Dinitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-1. BXS-1: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1	BXS-1
	Sample ID	BXS-1	BXS-1	BXS-1	GW3002	BXS-1	BXS-1	BXS-1	BXS-1
	Date	1/16/2003	4/10/2003	7/17/2003	7/17/2003	2/18/2004	4/22/2004	7/13/2004	10/12/2004
Analyte	**Unit**								
Conventionals									
Alkalinity	mg/L								
Ammonia as Nitrogen	mg/L								
Bicarb. Alkalinity as $CaCO_3$	mg/L								
Dissolved Bicarbonate	mg/L								
Chemical Oxygen Demand	mg/L								
Chloride	mg/L	4	4.2		5.1				
Coliforms	MPN/100 mL								
Conductivity	umhos/cm								
Specific Conductance	mS/cm	1.13	0.442		0.441	0.297	0.339	0.417	0.478
Eh	mV	258	366		202	143	212	182	148
Fluoride	mg/L								
Nitrate+Nitrite as Nitrogen	mg/L								
Nitrate as Nitrogen	mg/L								
Nitrite as Nitrogen	mg/L								
Dissolved Oxygen	mg/L	3.4	5.56		2.79	7.39	3.18	2.73	3.36
pH	--	5.93	5.97		6.12	8.87	5.84	5.92	6.01
Sulfate	mg/L								
Tannin and Lignin	mg/L								
Temperature	C	11.6	11.7		16.19	12.54	13.71	13.66	13.14
Turbidity	NTU		1.5		0.441				
Total Organic Carbon	mg/L								
Total Dissolved Solids	mg/L								
Total Suspended Solids	mg/L	5 U	5 U	5		5 U	5 U	5 U	5 U
Metals									
Copper	mg/L	0.0044 B	0.0123		0.008 U				
Iron	mg/L	0.02 U	0.02 U		0.0085 U				
Dissolved Metals									
Arsenic	mg/L								
Barium	mg/L								
Cadmium	mg/L								
Calcium	mg/L	53.1	40.3	38.5		25.8	31.6	36.5	43.5
Chromium	mg/L								
Copper	mg/L								
Iron	mg/L	0.02 U	0.02 U	0.0089 B		0.0152 U	0.006 U	0.02 U	0.02 U
Lead	mg/L								
Magnesium	mg/L	34.8	26.8	24.2		15.8	19.3	22.2	27.7
Manganese	mg/L								
Mercury	mg/L								
Nickel	mg/L								
Potassium	mg/L	2.39	1.61 J	2.28		2.14	1.75 J	1.9 B	2.4
Selenium	mg/L								
Silver	mg/L								
Sodium	mg/L	13.3	8.07	10.4		8.72	8.08	11.3	12.4
Zinc	mg/L								
Phenols									
Phenol	µg/L								
2-Chlorophenol	µg/L								
2,4-Dichlorophenol	µg/L								
3,4-Dichlorophenol	µg/L	2 U		0.2 U		2 UJ	2 U	4 U	20 U
3,5-Dichlorophenol	µg/L	2 U		0.2 U		2 UJ	2 U	4 U	20 U
2,4,5-Trichlorophenol	µg/L	5 UJ		2 Ui		0.58 UJ	0.5 U	1 U	5 U
2,4,6-Trichlorophenol	µg/L	0.3 U		0.5 U		0.17 UJ	0.16 U	0.32 U	1.6 U
Pentachlorophenol	µg/L	49	33	31		26 J	27	46	48
2-Methylphenol	µg/L								
4-Methylphenol	µg/L								
2,4-Dimethylphenol	µg/L								
2-Nitrophenol	µg/L								
4-Nitrophenol	µg/L								
2,4-Dinitrophenol	µg/L								
4,6-Dinitro-2-methylphenol	µg/L								
4-Chloro-3-methylphenol	µg/L								
Total Phenols	µg/L								
Total Tetrachlorophenols	µg/L	4 U		0.4 U		0.27 UJ	0.26 U	0.52 U	2.6 U
PAHs									
2-Methylnaphthalene	µg/L	0.019 J	0.0037 J		0.0055 J				
Acenaphthene	µg/L	0.0031 J	0.002 U		0.0038 J				
Acenaphthylene	µg/L	0.0018 U	0.0018 U		0.0018 U				
Anthracene	µg/L	0.0046 J	0.0011 U		0.0011 U				
Benzo(a)anthracene	µg/L	0.0038 J	0.0021 U		0.0021 U				
Benzo(a)pyrene	µg/L	0.0052 J	0.0016 U		0.0016 U				
Benzo(b)fluoranthene	µg/L	0.0049 J	0.002 U		0.002 U				
Benzo(g,h,i)perylene	µg/L	0.0079 J	0.0037 U		0.0037 U				
Benzo(k)fluoranthene	µg/L	0.0038 J	0.0014 U		0.0014 U				
Chrysene	µg/L	0.02 U	0.0013 U		0.0013 U				
Dibenz(a,h)anthracene	µg/L	0.0071 J	0.0017 U		0.0017 U				
Fluoranthene	µg/L	0.02 U	0.0024 U		0.0024 U				
Fluorene	µg/L	0.0069 J	0.0026 U		0.0026 U				
Indeno(1,2,3-cd)pyrene	µg/L	0.0074 J	0.0021 U		0.0021 U				
Naphthalene	µg/L	0.022	0.0082 J		0.0054 J				
Phenanthrene	µg/L	0.02 U	0.0032 U		0.0032 U				
Pyrene	µg/L	0.02 U	0.0023 U		0.0023 U				
Total PAHs (calculated)	µg/L	0.0767	0.0082		0.0092				
Petroleum Hydrocarbons									
Diesel Range Organics	µg/L	45 U	36 U		36 U				
Residual Range Organics	µg/L	30 U	54 U		54 U				

Table 4-1. BXS-1: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	BXS-1	
	Sample ID	BXS-1	
	Date	1/13/2005	
Analyte	**Unit**		
Conventionals			
Alkalinity	mg/L		
Ammonia as Nitrogen	mg/L		
Bicarb. Alkalinity as $CaCO_3$	mg/L		
Dissolved Bicarbonate	mg/L		
Chemical Oxygen Demand	mg/L		
Chloride	mg/L		
Coliforms	MPN/100 mL		
Conductivity	umhos/cm		
Specific Conductance	mS/cm	0.328	
Eh	mV	4	
Fluoride	mg/L		
Nitrate+Nitrite as Nitrogen	mg/L		
Nitrate as Nitrogen	mg/L		
Nitrite as Nitrogen	mg/L		
Dissolved Oxygen	mg/L	4.46	
pH	--	5.51	
Sulfate	mg/L		
Tannin and Lignin	mg/L		
Temperature	C	11.92	
Turbidity	NTU	0	
Total Organic Carbon	mg/L		
Total Dissolved Solids	mg/L		
Total Suspended Solids	mg/L	5	U
Metals			
Copper	mg/L		
Iron	mg/L		
Dissolved Metals			
Arsenic	mg/L		
Barium	mg/L		
Cadmium	mg/L		
Calcium	mg/L	30.4	
Chromium	mg/L		
Copper	mg/L		
Iron	mg/L	0.02	U
Lead	mg/L		
Magnesium	mg/L	18.5	
Manganese	mg/L		
Mercury	mg/L		
Nickel	mg/L		
Potassium	mg/L	1.89	B
Selenium	mg/L		
Silver	mg/L		
Sodium	mg/L	9.51	
Zinc	mg/L		
Phenols			
Phenol	µg/L		
2-Chlorophenol	µg/L		
2,4-Dichlorophenol	µg/L		
3,4-Dichlorophenol	µg/L	0.3	U
3,5-Dichlorophenol	µg/L	0.65	U
2,4,5-Trichlorophenol	µg/L	0.27	U
2,4,6-Trichlorophenol	µg/L	0.096	U
Pentachlorophenol	µg/L	49	J
2-Methylphenol	µg/L		
4-Methylphenol	µg/L		
2,4-Dimethylphenol	µg/L		
2-Nitrophenol	µg/L		
4-Nitrophenol	µg/L		
2,4-Dinitrophenol	µg/L		
4,6-Dinitro-2-methylphenol	µg/L		
4-Chloro-3-methylphenol	µg/L		
Total Phenols	µg/L		
Total Tetrachlorophenols	µg/L	0.66	U
PAHs			
2-Methylnaphthalene	µg/L		
Acenaphthene	µg/L		
Acenaphthylene	µg/L		
Anthracene	µg/L		
Benzo(a)anthracene	µg/L		
Benzo(a)pyrene	µg/L		
Benzo(b)fluoranthene	µg/L		
Benzo(g,h,i)perylene	µg/L		
Benzo(k)fluoranthene	µg/L		
Chrysene	µg/L		
Dibenz(a,h)anthracene	µg/L		
Fluoranthene	µg/L		
Fluorene	µg/L		
Indeno(1,2,3-cd)pyrene	µg/L		
Naphthalene	µg/L		
Phenanthrene	µg/L		
Pyrene	µg/L		
Total PAHs (calculated)	µg/L		
Petroleum Hydrocarbons			
Diesel Range Organics	µg/L		
Residual Range Organics	µg/L		

Notes

µg/L = microgram per liter.
B = analyte was detected in the associated laboratory or field blank in addition to the sample.
C = Celsius.
i = method reporting limit and/or method detection limit had been elevated because of chromatographic interference.
J = analyte is an estimated quantity.
mg/L = milligram per liter.
MPN/100 mL = most probable number per 100 milliliters.
mS/cm = milliSiemens per centimeter.
mV = millivolts.
NTU = nephelometric turbidity unit.
PAHs = polycyclic aromatic hydrocarbons.
U = analyte not detected above the laboratory reporting limit.
UJ = analyte not detected above the estimated laboratory reporting limit.
umhos/cm = micromhos per centimeter.

Table 4-2. BXS-2: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2
	Sample ID	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2
	Date	8/13/1988	12/27/1988	3/28/1989	6/15/1989	9/13/1989	12/11/1989	8/1/1990	8/29/1990	8/1/1991	3/1/1992	3/24/1992
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L											
Ammonia as Nitrogen	mg/L	0.05 U	0.05 U	0.05 U	0.22	0.17	0.07					0.05 U
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Chemical Oxygen Demand	mg/L	0.4	22	15	5 U	16	29					49
Chloride	mg/L	68	67	78	75	43	35					8.1
Coliforms	MPN/100 mL	23	12	2	4	2 U	4					17
Conductivity	umhos/cm	740	630	675	596	500	500					592
Specific Conductance	mS/cm											
Dissolved Bicarbonate	mg/L											
Dissolved Oxygen	mg/L											
Eh	mV											
Ethane	µg/L											
Ethene	µg/L											
Ferrous Iron	mg/L											
Fluoride	mg/L											0.2 U
Methane	µg/L											
Nitrate+Nitrite as Nitrogen	mg/L											0.2 U
Nitrate as Nitrogen	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U					
Nitrite as Nitrogen	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U					
pH	--	6.2	6.3	6.2	6.4	6.52	6.39					6.25
Sulfate	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U					0.2 U
Tannin and Lignin	mg/L	0.6	0.47	0.65	0.8	0.7	0.7					0.4
Temperature	C											
Turbidity	NTU											
Total Dissolved Solids	mg/L											387
Total Suspended Solids	mg/L											
Total Organic Carbon	mg/L	0.5 U		10	6	6.3	7.4					3.1
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L											0.005 U
Barium	mg/L											0.042
Cadmium	mg/L											0.003 U
Calcium	mg/L											
Chromium	mg/L											0.005 U
Copper	mg/L											0.01 U
Iron	mg/L	0.02 U	0.15	0.052	0.02 U	0.02 U	0.03					0.289
Lead	mg/L											0.002 U
Magnesium	mg/L											
Manganese	mg/L	0.61	0.56	0.594	0.56	0.519	0.619					0.616
Mercury	mg/L											0.0005 U
Nickel	mg/L											0.021
Potassium	mg/L											
Selenium	mg/L											0.005 U
Silver	mg/L											0.01 U
Sodium	mg/L											
Zinc	mg/L	0.01 U	0.012	0.01 U	0.01 U	0.01 U	0.01 U					0.01 U
Phenols												
Phenol	µg/L								10 U			
2-Chlorophenol	µg/L								10 U			
2,4-Dichlorophenol	µg/L								10 U			
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L								50 U			
2,4,6-Trichlorophenol	µg/L								10 U			
Pentachlorophenol	µg/L							10 U	50 U	0.6	0.7	
2-Methylphenol	µg/L								10 U			
4-Methylphenol	µg/L								10 U			
2,4-Dimethylphenol	µg/L								10 U			
2,4-Dinitrophenol	µg/L								50 U			
2-Nitrophenol	µg/L								10 U			
4-Nitrophenol	µg/L								50 U			
4,6-Dinitro-2-methylphenol	µg/L								50 U			
4-Chloro-3-methylphenol	µg/L								10 U			
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L								10 U			
Acenaphthene	µg/L								10 U			
Acenaphthylene	µg/L								10 U			
Anthracene	µg/L								10 U			
Benzo(a)anthracene	µg/L								10 U			
Benzo(a)pyrene	µg/L								10 U			
Benzo(b)fluoranthene	µg/L								10 U			
Benzo(g,h,i)perylene	µg/L								10 U			
Benzo(k)fluoranthene	µg/L								10 U			
Chrysene	µg/L								10 U			
Dibenz(a,h)anthracene	µg/L								10 U			
Dibenzofuran	µg/L											
Fluoranthene	µg/L								10 U			
Fluorene	µg/L								10 U			
Indeno(1,2,3-cd)pyrene	µg/L								10 U			
Naphthalene	µg/L								10 U			
Phenanthrene	µg/L								10 U			
Pyrene	µg/L								10 U			
Total PAHs (calculated)	µg/L								10 U			
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-2. BXS-2: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2
	Sample ID	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2
	Date	6/23/1992	8/1/1992	9/25/1992	12/9/1992	3/1/1993	3/16/1993	6/22/1993	9/7/1993	12/2/1993	3/22/1994	6/21/1994
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L			355								
Ammonia as Nitrogen	mg/L	0.05			0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Chemical Oxygen Demand	mg/L	34			40		40	30	31	40	30	30
Chloride	mg/L			19	6.2		6.1	6.5	6.8	7.1	7	8
Coliforms	MPN/100 mL	2 U			50		1600	20	8	900	2 U	300
Conductivity	umhos/cm	592			580		562	486	542	361	588	455
Specific Conductance	mS/cm											
Dissolved Bicarbonate	mg/L			355								
Dissolved Oxygen	mg/L											
Eh	mV											
Ethane	µg/L											
Ethene	µg/L											
Ferrous Iron	mg/L											
Fluoride	mg/L	0.2 U			0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methane	µg/L											
Nitrate+Nitrite as Nitrogen	mg/L				0.2 U		0.2 U	0.2 U	0.2 U	0.2 U		
Nitrate as Nitrogen	mg/L										0.2 U	0.2 U
Nitrite as Nitrogen	mg/L										0.2 U	0.2 U
pH	--	6.34			6.26		6.28	6.29	6.23	6.2	6.39	6.31
Sulfate	mg/L			0.2	0.3		0.2 U	0.2	0.3	0.2 U	0.3	0.3
Tannin and Lignin	mg/L				0.5		0.5	0.4	0.5	0.4	0.5	0.4
Temperature	C											
Turbidity	NTU											
Total Dissolved Solids	mg/L	365		311	345		315	339	324	345	337	327
Total Suspended Solids	mg/L											
Total Organic Carbon	mg/L	3.6		6.6	6.8		7.4	6	7.8	8	7.7	9.6
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium	mg/L	0.04		0.04	0.042		0.035	0.039	0.031	0.038	0.036	0.041
Cadmium	mg/L	0.003 U		0.003 U	0.003 U		0.003 U	0.003 U	0.003 U	0.004	0.003 U	0.003 U
Calcium	mg/L											
Chromium	mg/L	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Copper	mg/L	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	mg/L	0.247		0.02 U	0.228		0.36	0.423	0.389	0.808	0.586	0.627
Lead	mg/L	0.002 U		0.002 U	0.002 U		0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Magnesium	mg/L											
Manganese	mg/L	0.656			0.669		0.568	0.604	0.504	0.61	0.641	0.681
Mercury	mg/L	0.0005 U		0.0005 U	0.0005 U		0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Nickel	mg/L				0.022		0.028	0.021	0.022	0.02 U	0.02 U	0.02
Potassium	mg/L											
Selenium	mg/L	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Silver	mg/L	0.01 U		0.01 U	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	mg/L											
Zinc	mg/L	0.01 U			0.01 U		0.01 U	0.01 U	0.01 U	0.015	0.01 U	0.01 U
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L											
Pentachlorophenol	µg/L		2.1			0.2 U						
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2,4-Dinitrophenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Dibenzofuran	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-2. BXS-2: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2
	Sample ID	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2
	Date	8/16/1994	10/12/1994	11/30/1994	1/10/1995	2/17/1995	4/27/1995	4/28/1995	8/1/1995	10/11/1995	1/11/1996	4/18/1996
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L	283		288		314		342	335	326	325	336
Ammonia as Nitrogen	mg/L		0.05 U		0.12		0.05 U		0.05 U	0.05 U	0.07	0.14
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Chemical Oxygen Demand	mg/L		33		26		36		44	30	37	40
Chloride	mg/L	6.8	7.3	7.3	7.1	4.9	6.2	6.2	9.6	11	15	17
Coliforms	MPN/100 mL		80		70		2 U		2 U	23	170	4
Conductivity	umhos/cm		412		458		633		721	565	571	510
Specific Conductance	mS/cm											
Dissolved Bicarbonate	mg/L	283		288		314		342	335	326	325	336
Dissolved Oxygen	mg/L											
Eh	mV											
Ethane	µg/L											
Ethene	µg/L											
Ferrous Iron	mg/L											
Fluoride	mg/L		0.2 U		0.2 U							
Methane	µg/L											
Nitrate+Nitrite as Nitrogen	mg/L		0.2 U		0.2 U		0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
Nitrate as Nitrogen	mg/L											
Nitrite as Nitrogen	mg/L											
pH	--		6.23		6.15		6.42		6.29	6.24	6.24	6.28
Sulfate	mg/L	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Tannin and Lignin	mg/L		0.5		0.5		0.4		0.8	1.2	0.6	0.5
Temperature	C											
Turbidity	NTU											
Total Dissolved Solids	mg/L		335		328		347		359	346	390	407
Total Suspended Solids	mg/L											
Total Organic Carbon	mg/L	16.1	8.8	24.1	8	8	9.9	9.9	10.9	10.4	11.4	12.1
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L		0.005 U		0.005 U		0.005 U		0.005 U	0.005 U	0.005 U	0.005 U
Barium	mg/L		0.036		0.039		0.049		0.043	0.044	0.044	0.048
Cadmium	mg/L		0.003 U		0.003 U		0.003 U		0.003 U	0.003 U	0.004 U	0.004 U
Calcium	mg/L	45		46.6		53.7			53.7	55.5	55.3	59.6
Chromium	mg/L		0.005 U		0.005 U							
Copper	mg/L		0.01 U		0.01 U		0.01 U		0.01 U	0.01 U	0.01 U	0.01 U
Iron	mg/L	0.744	0.855	1.21	0.924	0.936	0.895	0.895	0.895	1.3	1.38	1.57
Lead	mg/L		0.002 U		0.002 U							
Magnesium	mg/L	33.6		35.8		41.6		45.9	41.5	42.6	42.2	45.8
Manganese	mg/L	0.63	0.647	0.644	0.734	0.803	0.857	0.857	0.78	0.843	0.857	0.993
Mercury	mg/L		0.0005 U		0.0005 U							
Nickel	mg/L		0.022		0.02		0.026		0.02 U	0.023	0.024	0.026
Potassium	mg/L	2.6		3.9		3.9		4.5	3.6	4	3.3	3.1
Selenium	mg/L		0.005 U		0.005 U							
Silver	mg/L		0.01 U		0.01 U							
Sodium	mg/L	14		14.6		14.4		13.9	12.4	13.2	12.8	13.1
Zinc	mg/L		0.01 U		0.01 U		0.01 U		0.012	0.01 U	0.012	0.019
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L											
Pentachlorophenol	µg/L								0.7		0.6	
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2,4-Dinitrophenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Dibenzofuran	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-2. BXS-2: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2
	Sample ID	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2
	Date	7/18/1996	9/25/1996	1/14/1997	4/9/1997	8/6/1997	10/6/1997	1/15/1998	4/16/1998	7/16/1998	10/6/1998	1/12/1999
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L	350	355	364	383	384	397	402	406	418	416	436
Ammonia as Nitrogen	mg/L	0.05 U		0.21	0.05 U							0.05 U
Bicarb. Alkalinity as $CaCO_3$	mg/L							402	406	418	416	436
Chemical Oxygen Demand	mg/L	46	37	41	40	53	46	33	51	52	57	44
Chloride	mg/L	16	19	17	17	16	14.4	11.8	13.4	10.7	11.2	8.8
Coliforms	MPN/100 mL	80	8	2	2 U	4	2 U	2	2 U	2	2 U	8
Conductivity	umhos/cm	603	660	633	7103	692	671	554	770	573	643	727
Specific Conductance	mS/cm											
Dissolved Bicarbonate	mg/L	350	355	364	383	384	397					
Dissolved Oxygen	mg/L											
Eh	mV											
Ethane	µg/L											
Ethene	µg/L											
Ferrous Iron	mg/L											
Fluoride	mg/L											
Methane	µg/L											
Nitrate+Nitrite as Nitrogen	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nitrate as Nitrogen	mg/L											
Nitrite as Nitrogen	mg/L											
pH	--	6.23	6.22	6.22	6.21	6.11	5.99	6.21	6.84	6.35	6.28	6.43
Sulfate	mg/L	0.3	0.2	0.3	0.4	0.6	0.5	0.5	0.4	0.3	0.3	0.4
Tannin and Lignin	mg/L	0.6	0.6	1	0.8	1	0.8	0.9	0.8	1	1	1.8
Temperature	C											
Turbidity	NTU											
Total Dissolved Solids	mg/L	420	422	442	470	404	481	470	442	496	464	489
Total Suspended Solids	mg/L											
Total Organic Carbon	mg/L	12.1	12.8	13.8	13.5	15.1	15.6	15.3	15.4	16.5	16.4	15.6
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium	mg/L	0.052	0.046	0.047	0.049	0.052	0.05	0.05	0.053	0.048	0.05	0.053
Cadmium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Calcium	mg/L	66.6	63.3	61.1	64.9	66.2	70.1	68.3	70.5	71.6	73.2	79.4
Chromium	mg/L											
Copper	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	mg/L	1.55	1.35	1.59	1.31	1.55	1.5	1.52	0.851	1.22	1.29	1.16
Lead	mg/L											
Magnesium	mg/L	50.1	47.6	48.7	50.8	51.9	54.4	52.2	53.7	55.7	56.8	61.4
Manganese	mg/L	1.14	1.14	1.22	1.32	1.46	1.56	1.7	1.64	1.61	1.63	1.71
Mercury	mg/L											
Nickel	mg/L	0.02 U	0.027	0.031	0.031	0.031	0.033	0.039	0.044	0.035	0.038	0.055
Potassium	mg/L	5.36	2.55	4.4	4.89	4.6	3.9	3.46	3.15	3.1	3.7	4
Selenium	mg/L											
Silver	mg/L											
Sodium	mg/L	13.1	12.7	12.4	12.3	12	12.2	11.6	12.1	11.5	11.7	12.3
Zinc	mg/L	0.011	0.01 U	0.01 U	0.015	0.01 U	0.012	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Phenols												
Phenol	µg/L							0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	µg/L							0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,4-Dichlorophenol	µg/L							0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L							0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Pentachlorophenol	µg/L							0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L							0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,4-Dinitrophenol	µg/L							0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitrophenol	µg/L							0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Nitrophenol	µg/L							0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-2-methylphenol	µg/L							0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L							0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L							1 U	1 U	10 U	1 U	1 U
Acenaphthylene	µg/L							1 U	1 U	10 U	1 U	1 U
Anthracene	µg/L							0.1 U	0.1 U	1 U	0.1 U	0.1 U
Benzo(a)anthracene	µg/L							0.1 U	0.1 U	1 U	0.1 U	0.1 U
Benzo(a)pyrene	µg/L							0.1 U	0.1 U	1 U	0.1 U	0.2 U
Benzo(b)fluoranthene	µg/L							0.2 U	0.2 U	2 U	0.2 U	0.2 U
Benzo(g,h,i)perylene	µg/L							0.2 U	0.2 U	2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	µg/L							0.1 U	0.1 U	1 U	0.1 U	0.1 U
Chrysene	µg/L							0.1 U	0.1 U	1 U	0.1 U	0.1 U
Dibenz(a,h)anthracene	µg/L							0.1 U	0.1 U	1 U	0.1 U	0.1 U
Dibenzofuran	µg/L											
Fluoranthene	µg/L							0.2 U	0.2 U	2 U	0.2 U	0.2 U
Fluorene	µg/L							0.2 U	0.2 U	2 U	0.2 U	0.2 U
Indeno(1,2,3-cd)pyrene	µg/L							0.1 U	0.1 U	1 U	0.1 U	0.1 U
Naphthalene	µg/L							1 U	1 U	10 U	1 U	1 U
Phenanthrene	µg/L							0.1 U	0.1 U	1 U	0.1 U	0.1 U
Pyrene	µg/L							0.2 U	0.2 U	2 U	0.2 U	0.2 U
Total PAHs (calculated)	µg/L							1 U	1 U	10 U	1 U	1 U
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-2. BXS-2: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2	
	Sample ID	BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2		BXS-2	
	Date	4/13/1999		7/21/1999		10/5/1999		1/11/2000		4/20/2000		7/26/2000		10/5/2000		1/17/2001		4/4/2001		7/10/2001		10/2/2001	
Analyte	**Unit**																						
Conventionals																							
Alkalinity	mg/L	440		478		479		484		499				503		492							
Ammonia as Nitrogen	mg/L	0.05	U	0.1	U	0.05	U	0.05	U	0.05	U	0.05		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Bicarb. Alkalinity as $CaCO_3$	mg/L	440		478		479		484		499				503						496			
Chemical Oxygen Demand	mg/L	44		50		53		54		44		49		41		40		47		46		37	
Chloride	mg/L	26.4		9.9		7.4		7.7		7.4		8.8		8.1		8.7		7.6		6.7		6.7	
Coliforms	MPN/100 mL	2	U	900		50		8		2	U	6		11	J	4	J	17	J	500	J	2	UJ
Conductivity	umhos/cm	811		804		803		725		685		767		719		878		884		890		861	
Specific Conductance	mS/cm																						
Dissolved Bicarbonate	mg/L																						
Dissolved Oxygen	mg/L																						
Eh	mV																						
Ethane	µg/L																						
Ethene	µg/L																						
Ferrous Iron	mg/L																						
Fluoride	mg/L																						
Methane	µg/L																						
Nitrate+Nitrite as Nitrogen	mg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Nitrate as Nitrogen	mg/L											0.2	U									0.3	UJ
Nitrite as Nitrogen	mg/L											0.2	U									0.1	U
pH	--	6.29		6.46		6.42		6.52		6.39		6.31		6.37		6.48		6.36		6.44	J	6.27	J
Sulfate	mg/L	0.4		0.2	U	0.2		0.3		0.3		0.2		0.3		0.4		0.4	UJB	0.3		0.3	
Tannin and Lignin	mg/L	1.9		1.2		21.7		1.6		1.1		1.1		1		1.7		0.9		1.4		2.8	
Temperature	C																						
Turbidity	NTU																						
Total Dissolved Solids	mg/L	545		524		520		506		598		532		501				456		320		420	
Total Suspended Solids	mg/L					338												493				5	U
Total Organic Carbon	mg/L	17.7		15.3		15.1		15		13.5		16.8		15.5		14.8		14.6		15.1		13.7	
Metals																							
Copper	mg/L																						
Iron	mg/L																						
Dissolved Metals																							
Arsenic	mg/L	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Barium	mg/L	0.051		0.046		0.056		0.049		0.056		0.051		0.056		0.051		0.05		0.053		0.05	
Cadmium	mg/L	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.005	U
Calcium	mg/L	79.6		77.2		77.7		72.7		90.5				87				92.4				88.1	
Chromium	mg/L																						
Copper	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Iron	mg/L	1.11		0.862		1.12		0.703		0.69		0.72		0.63		0.62		0.78		0.736		0.803	
Lead	mg/L																						
Magnesium	mg/L	60.9		60.8		63.2		55		70				69.8				71.2				67.7	
Manganese	mg/L	1.61		1.38		1.44		1.25		1.45		1.5		1.39		1.46		1.47		1.54		1.58	
Mercury	mg/L																						
Nickel	mg/L	0.031		0.041		0.038		0.034		0.04		0.038		0.03		0.04		0.03		0.041		0.039	
Potassium	mg/L	3.48		2.96		2.5		5		3				3				4				3.78	
Selenium	mg/L																						
Silver	mg/L																						
Sodium	mg/L	12.1		10.8		11.4		9.24		10.9				10.4				9.1				9.21	
Zinc	mg/L	0.011		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01		0.01	U	0.011	
Phenols																							
Phenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
2-Chlorophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
2,4-Dichlorophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
3,4-Dichlorophenol	µg/L																						
3,5-Dichlorophenol	µg/L																						
2,4,5-Trichlorophenol	µg/L																						
2,4,6-Trichlorophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Pentachlorophenol	µg/L	1.4		0.5	U	0.5	U	0.5	U	0.5	U			0.5	U			0.5	U			0.2	UJ
2-Methylphenol	µg/L																						
4-Methylphenol	µg/L																						
2,4-Dimethylphenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
2,4-Dinitrophenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U												
2-Nitrophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
4-Nitrophenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U												
4,6-Dinitro-2-methylphenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U												
4-Chloro-3-methylphenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Total Tetrachlorophenols	µg/L																						
PAHs																							
2-Methylnaphthalene	µg/L																						
Acenaphthene	µg/L	1	U	1	U	1	U	1	U	1	U												
Acenaphthylene	µg/L	1	U	1	U	1	U	1	U	1	U												
Anthracene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Benzo(a)anthracene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Benzo(a)pyrene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Benzo(b)fluoranthene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Benzo(g,h,i)perylene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Benzo(k)fluoranthene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Chrysene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Dibenz(a,h)anthracene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Dibenzofuran	µg/L																						
Fluoranthene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Fluorene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Indeno(1,2,3-cd)pyrene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Naphthalene	µg/L	1	U	1	U	1	U	1	U	1	U												
Phenanthrene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Pyrene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Total PAHs (calculated)	µg/L	1	U	1	U	1	U	1	U	1	U												
Petroleum Hydrocarbons																							
Diesel Range Organics	µg/L																						
Residual Range Organics	µg/L																						

Table 4-2. BXS-2: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2
	Sample ID	BXS-2	BXS-2	BXS-2	BXS-2	GW1010	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2	BXS-2
	Date	10/9/2001	1/14/2002	4/11/2002	7/11/2002	10/24/2002	1/16/2003	7/16/2003	2/12/2004	7/12/2004	1/13/2005	11/4/2005
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L		466	472	484							446
Ammonia as Nitrogen	mg/L	0.05 U	0.05 U	0.05 U	0.05 UJ	0.03 U						
Bicarb. Alkalinity as $CaCO_3$	mg/L		466		484							
Chemical Oxygen Demand	mg/L	37	41	36	29	33						
Chloride	mg/L	6.7	6.1	6.3	6.7	5.6	5.9					3.1
Coliforms	MPN/100 mL	2 UJ	2 UJ	2 UJ	8							
Conductivity	umhos/cm	861	842	863	794	785						
Specific Conductance	mS/cm					0.93	1.4	0.869	0.737	0.874	0.768	
Dissolved Bicarbonate	mg/L											
Dissolved Oxygen	mg/L					1.37	2.74	0.44	8.84	1.52	3.8	3
Eh	mV					166	217	-9	35	30	3	61
Ethane	µg/L											0.35 U
Ethene	µg/L											0.55 U
Ferrous Iron	mg/L											0.35
Fluoride	mg/L											
Methane	µg/L											120
Nitrate+Nitrite as Nitrogen	mg/L		0.2 U	0.2 U	0.2 U	0.2 U						
Nitrate as Nitrogen	mg/L	0.3 UJ										0.008 U
Nitrite as Nitrogen	mg/L	0.1 U										
pH	--	6.27 J	6.34	6.32 J	6.51	6.57	6.12	6.25	4.73	5.96	5.16	6.4
Sulfate	mg/L	0.3	0.3	0.5	0.3	0.3						0.12 U
Tannin and Lignin	mg/L	2.8	1.3	1.5	1	1.1						
Temperature	C					13.2	13.3	13.37	12.79	13.51	12.9	12.3
Turbidity	NTU					4.9		34.3			-10	7
Total Dissolved Solids	mg/L	420	428	584	532	564						
Total Suspended Solids	mg/L	5 U		75		18	5 U	31	31	5 U	14	
Total Organic Carbon	mg/L	13.7	13.5	14.2	11.9	15						
Metals												
Copper	mg/L						0.0052 B					
Iron	mg/L						0.709					
Dissolved Metals												
Arsenic	mg/L	0.005 U	0.005 U	0.005 U	0.01 U	0.001 U						
Barium	mg/L	0.05	0.0523	0.047	0.0528	0.0438						
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.0011 B						
Calcium	mg/L	88.1		81.8			84.9	79.1	82.7	86.8	81.4	
Chromium	mg/L											
Copper	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.008 U						
Iron	mg/L	0.803	0.806	0.64	0.67	0.628 J	0.729	0.739	0.767	0.775	0.775	
Lead	mg/L											
Magnesium	mg/L	67.7		65.6		62.8	67.7		63.1	64.9	61	
Manganese	mg/L	1.58	1.5	1.43	1.52	1.41		1.5				
Mercury	mg/L											
Nickel	mg/L	0.039	0.039	0.04	0.0387	0.0329						
Potassium	mg/L	3.78		4.07		3.67	3.01	3.75	3.84	4.56	3.11	
Selenium	mg/L											
Silver	mg/L											
Sodium	mg/L	9.21		8.9		8.24	8.2	7.2	7.65	7.27	7.07	
Zinc	mg/L	0.011	0.011	0.01 U	0.01 U	0.0065 B						
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L					0.2 U	0.2 U		2 U	2 U	0.3 U	
3,5-Dichlorophenol	µg/L					0.2 U	0.2 U		2 U	2 U	0.65 U	
2,4,5-Trichlorophenol	µg/L					0.5 U	0.5 UJ		0.33 U	0.5 U	0.27 U	
2,4,6-Trichlorophenol	µg/L					0.03 UJ	0.03 U		0.17 U	0.16 U	0.096 U	
Pentachlorophenol	µg/L	0.2 UJ		0.28		0.06 U	0.38 J	0.5 U	0.12 U	0.095 U	0.29 U	0.29 U
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2,4-Dinitrophenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Tetrachlorophenols	µg/L					0.4 U	0.4 U		0.27 U	0.26 U	0.66 U	
PAHs												
2-Methylnaphthalene	µg/L					0.013 J	0.02					0.02 U
Acenaphthene	µg/L					0.002 U	0.002 U					0.002 U
Acenaphthylene	µg/L					0.0018 U	0.0018 U					0.0018 U
Anthracene	µg/L					0.0011 U	0.0011 U					0.0011 U
Benzo(a)anthracene	µg/L					0.0021 U	0.0036 J					0.0021 U
Benzo(a)pyrene	µg/L					0.0016 U	0.0021 J					0.0016 U
Benzo(b)fluoranthene	µg/L					0.002 U	0.0029 J					0.002 U
Benzo(g,h,i)perylene	µg/L					0.0037 U	0.0048 J					0.0037 U
Benzo(k)fluoranthene	µg/L					0.0014 U	0.0026 J					0.0014 U
Chrysene	µg/L					0.0013 U	0.02 U					0.0013 U
Dibenz(a,h)anthracene	µg/L					0.0017 U	0.0042 J					0.0017 U
Dibenzofuran	µg/L											0.0071 U
Fluoranthene	µg/L					0.0024 U	0.02 U					0.0024 U
Fluorene	µg/L					0.0026 U	0.0097 J					0.0026 U
Indeno(1,2,3-cd)pyrene	µg/L					0.0021 U	0.0041 J					0.0021 U
Naphthalene	µg/L					0.0062 J	0.02 U					0.02 U
Phenanthrene	µg/L					0.0032 U	0.02 U					0.0032 U
Pyrene	µg/L					0.0023 U	0.02 U					0.0023 U
Total PAHs (calculated)	µg/L					0.0062	0.034					0.02 U
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L					250 U	45 U					
Residual Range Organics	µg/L					500 U	30 U					

Table 4-2. BXS-2: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-2		BXS-2		BXS-2	
	Sample ID	BXS-2		BXS-2		BXS-2	
	Date	2/16/2006		5/16/2006		8/3/2006	
Analyte	**Unit**						
Conventionals							
Alkalinity	mg/L	450					
Ammonia as Nitrogen	mg/L						
Bicarb. Alkalinity as $CaCO_3$	mg/L						
Chemical Oxygen Demand	mg/L						
Chloride	mg/L	3.8					
Coliforms	MPN/100 mL						
Conductivity	umhos/cm						
Specific Conductance	mS/cm						
Dissolved Bicarbonate	mg/L						
Dissolved Oxygen	mg/L	0.5		1.4		2	
Eh	mV	73		59		48	
Ethane	µg/L	0.38	U				
Ethene	µg/L	0.55	U				
Ferrous Iron	mg/L	1.1					
Fluoride	mg/L						
Methane	µg/L	150					
Nitrate+Nitrite as Nitrogen	mg/L						
Nitrate as Nitrogen	mg/L	0.008	U				
Nitrite as Nitrogen	mg/L						
pH	--	6.57		6.12		6.59	
Sulfate	mg/L	0.06	U				
Tannin and Lignin	mg/L						
Temperature	C	12.5		13.9		12.9	
Turbidity	NTU	28		10		0	
Total Dissolved Solids	mg/L						
Total Suspended Solids	mg/L						
Total Organic Carbon	mg/L						
Metals							
Copper	mg/L						
Iron	mg/L						
Dissolved Metals							
Arsenic	mg/L						
Barium	mg/L						
Cadmium	mg/L						
Calcium	mg/L						
Chromium	mg/L						
Copper	mg/L						
Iron	mg/L						
Lead	mg/L						
Magnesium	mg/L						
Manganese	mg/L						
Mercury	mg/L						
Nickel	mg/L						
Potassium	mg/L						
Selenium	mg/L						
Silver	mg/L						
Sodium	mg/L						
Zinc	mg/L						
Phenols							
Phenol	µg/L						
2-Chlorophenol	µg/L						
2,4-Dichlorophenol	µg/L						
3,4-Dichlorophenol	µg/L						
3,5-Dichlorophenol	µg/L						
2,4,5-Trichlorophenol	µg/L						
2,4,6-Trichlorophenol	µg/L						
Pentachlorophenol	µg/L	0.29	U	0.13	U	0.13	U
2-Methylphenol	µg/L						
4-Methylphenol	µg/L						
2,4-Dimethylphenol	µg/L						
2,4-Dinitrophenol	µg/L						
2-Nitrophenol	µg/L						
4-Nitrophenol	µg/L						
4,6-Dinitro-2-methylphenol	µg/L						
4-Chloro-3-methylphenol	µg/L						
Total Tetrachlorophenols	µg/L						
PAHs							
2-Methylnaphthalene	µg/L	0.02	U	0.015	J	0.011	J
Acenaphthene	µg/L	0.002	U	0.002	U	0.0031	U
Acenaphthylene	µg/L	0.0018	U	0.0081	J	0.0023	U
Anthracene	µg/L	0.0011	U	0.0011	U	0.0039	U
Benzo(a)anthracene	µg/L	0.0021	U	0.0021	U	0.0039	U
Benzo(a)pyrene	µg/L	0.0016	U	0.0016	U	0.0043	U
Benzo(b)fluoranthene	µg/L	0.002	U	0.002	U	0.0046	U
Benzo(g,h,i)perylene	µg/L	0.0037	U	0.0037	U	0.0041	U
Benzo(k)fluoranthene	µg/L	0.0014	U	0.0014	U	0.0051	U
Chrysene	µg/L	0.0013	U	0.0013	U	0.0053	U
Dibenz(a,h)anthracene	µg/L	0.0017	U	0.0017	U	0.0036	U
Dibenzofuran	µg/L						
Fluoranthene	µg/L	0.0024	U	0.0024	U	0.0047	U
Fluorene	µg/L	0.0026	U	0.0026	U	0.0036	U
Indeno(1,2,3-cd)pyrene	µg/L	0.0021	U	0.0021	U	0.0033	U
Naphthalene	µg/L	0.02	U	0.02	U	0.0083	J
Phenanthrene	µg/L	0.0032	U	0.0032	U	0.0032	U
Pyrene	µg/L	0.0023	U	0.0023	U	0.0047	U
Total PAHs (calculated)	µg/L	0.02	U	0.0081		0.0083	
Petroleum Hydrocarbons							
Diesel Range Organics	µg/L						
Residual Range Organics	µg/L						

Notes

µg/L = microgram per liter.
B = analyte was detected in the associated laboratory or field blank in addition to the sample.
C = Celsius.
i = method reporting limit and/or method detection limit had been elevated because of chromatographic interference.
J = analyte is an estimated quantity.
mg/L = milligram per liter.
MPN/100 mL = most probable number per 100 milliliters.
mS/cm = milliSiemens per centimeter.
mV = millivolts.
NTU = nephelometric turbidity unit.
PAHs = polycyclic aromatic hydrocarbons.
U = analyte not detected above the laboratory reporting limit.
UJ = analyte not detected above the estimated laboratory reporting limit.
umhos/cm = micromhos per centimeter.

Table 4-3. BXS-3: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Sample ID	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Date	8/13/1988	12/27/1988	3/28/1989	6/15/1989	9/13/1989	12/11/1989	8/1/1990	8/29/1990	8/1/1991	10/1/1991	3/1/1992
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L											
Ammonia as Nitrogen	mg/L	0.05 U	0.05 U	0.05 U	0.24	0.05 U	0.05 U					
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Dissolved Bicarbonate	mg/L											
Chemical Oxygen Demand	mg/L	76	56	114	94	75	106					
Chloride	mg/L	28	20	18	18	9	10					
Coliforms	MPN/100 mL	2400 U	8	9	2 U	2 U	2					
Conductivity	umhos/cm	570	526	552	526	468	440					
Specific Conductance	mS/cm											
Dissolved Oxygen	mg/L											
Eh	mV											
Fluoride	mg/L											
Nitrate+Nitrite as Nitrogen	mg/L											
Nitrate as Nitrogen	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U					
Nitrite as Nitrogen	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U					
pH	--	6.1	6.2	6	6.3	6.27	6.2					
Sulfate	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2					
Tannin and Lignin	mg/L	1.8	1.4	2.4	2.5	0.2	2.8					
Temperature	C											
Total Organic Carbon	mg/L	23		38	20	6.3	26.5					
Total Dissolved Solids	mg/L											
Total Suspended Solids	mg/L											
Turbidity	NTU											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L											
Barium	mg/L											
Cadmium	mg/L											
Calcium	mg/L											
Chromium	mg/L											
Copper	mg/L											
Iron	mg/L	0.02 U	0.037	0.045	0.07	0.02 U	0.25					
Lead	mg/L											
Magnesium	mg/L											
Manganese	mg/L	0.95	1.3	1.48	0.98	0.804	1.18					
Mercury	mg/L											
Nickel	mg/L											
Potassium	mg/L											
Selenium	mg/L											
Silver	mg/L											
Sodium	mg/L											
Zinc	mg/L	0.02	0.011	0.01 U	0.01 U	0.01	0.01 U					
Phenols												
Phenol	µg/L								10 U			
2-Chlorophenol	µg/L								10 U			
2,4-Dichlorophenol	µg/L								10 U			
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L								50 U			
2,4,6-Trichlorophenol	µg/L								10 U			
Pentachlorophenol	µg/L							10 U	50 U	0.2 U	0.5	0.8
2-Methylphenol	µg/L								10 U			
4-Methylphenol	µg/L								10 U			
2,4-Dimethylphenol	µg/L								10 U			
2-Nitrophenol	µg/L								10 U			
4-Nitrophenol	µg/L								50 U			
2,4-Dinitrophenol	µg/L								50 U			
4,6-Dinitro-2-methylphenol	µg/L								50 U			
4-Chloro-3-methylphenol	µg/L								10 U			
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L								10 U			
Acenaphthene	µg/L								10 U			
Acenaphthylene	µg/L								10 U			
Anthracene	µg/L								10 U			
Benzo(a)anthracene	µg/L								10 U			
Benzo(a)pyrene	µg/L								10 U			
Benzo(b)fluoranthene	µg/L								10 U			
Benzo(g,h,i)perylene	µg/L								10 U			
Benzo(k)fluoranthene	µg/L								10 U			
Chrysene	µg/L								10 U			
Dibenz(a,h)anthracene	µg/L								10 U			
Fluoranthene	µg/L								10 U			
Fluorene	µg/L								10 U			
Indeno(1,2,3-cd)pyrene	µg/L								10 U			
Naphthalene	µg/L								10 U			
Phenanthrene	µg/L								10 U			
Pyrene	µg/L								10 U			
Total PAHs (calculated)	µg/L								10 U			
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-3. BXS-3: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Sample ID	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Date	3/24/1992	6/23/1992	9/25/1992	12/9/1992	3/16/1993	6/22/1993	9/7/1993	12/2/1993	3/22/1994	6/21/1994	8/16/1994
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L											368
Ammonia as Nitrogen	mg/L	0.16	0.07	0.09	0.05 U	0.05 U	0.05 U	0.006	0.06	0.05 U	0.05 U	
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Dissolved Bicarbonate	mg/L											368
Chemical Oxygen Demand	mg/L	93	87	144	101	96	65	160	101	79	93	
Chloride	mg/L	7.7		7.2	8.2	24	9.5	9.1	8.8	8.1	8.1	5.5
Coliforms	MPN/100 mL	280	7	130	2 U	2 U	17	29	2 U	2 U	50	
Conductivity	umhos/cm	480	504	560	586	567	482	621	434	678	531	
Specific Conductance	mS/cm											
Dissolved Oxygen	mg/L											
Eh	mV											
Fluoride	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	
Nitrate+Nitrite as Nitrogen	mg/L	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			
Nitrate as Nitrogen	mg/L									0.2 U	0.2 U	
Nitrite as Nitrogen	mg/L									0.2 U	0.2 U	
pH	--	6.28	6.4	6.36	6.6	6.45	6.36	6.44	6.46	6.41	6.21	
Sulfate	mg/L	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.3	0.5
Tannin and Lignin	mg/L	3.5		1.5	1.1	1.3	1.6	1.2	0.9	1.1	0.9	
Temperature	C											
Total Organic Carbon	mg/L	20	16	21.9	16.8	23.8	20.5	21.6	15.6	18.9	28	24.6
Total Dissolved Solids	mg/L	346	373	324	360	344	369	396	436	399	382	
Total Suspended Solids	mg/L											
Turbidity	NTU											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Barium	mg/L	0.038	0.035	0.031	0.038	0.033	0.036	0.041	0.043	0.047	0.052	
Cadmium	mg/L	0.005	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	
Calcium	mg/L											70
Chromium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Copper	mg/L	0.01 U	0.01 U	0.012	0.01 U	0.01 U	0.01 U	0.015	0.01 U	0.01 U	0.01 U	
Iron	mg/L	6.04	0.877	0.02	0.039	0.145	0.193	0.652	0.751	2.26	0.626	0.412
Lead	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.003	0.002 U	0.002 U	0.002 U	0.002 U	
Magnesium	mg/L			60.5								41.2
Manganese	mg/L	2.56	1.76		0.661	1.06	1.08	0.671	1.06	0.894	0.981	0.671
Mercury	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
Nickel	mg/L	0.02 U			0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03	
Potassium	mg/L			3.07								2.7
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Silver	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	
Sodium	mg/L			4.74								5.98
Zinc	mg/L	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L											
Pentachlorophenol	µg/L											
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
2,4-Dinitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-3. BXS-3: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Sample ID	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Date	10/12/1994	11/30/1994	1/10/1995	2/16/1995	4/27/1995	8/1/1995	10/11/1995	1/11/1996	4/18/1996	7/18/1996	9/25/1996
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L		414		340	390	408	430	468	460	490	511
Ammonia as Nitrogen	mg/L	0.05 U		0.05 U		0.11	0.13	0.24	0.08	0.58	0.34	
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Dissolved Bicarbonate	mg/L		414		340	390	408	430	468	460	490	511
Chemical Oxygen Demand	mg/L	64		96		91	83	88	97	102	97	91
Chloride	mg/L	7.2	7.9	6.1	6.4	8.4	8.8	9.2	12	9.9	8.5	9.7
Coliforms	MPN/100 mL	900		50		2 U	2 U	8	2 U	2 U	140	2 U
Conductivity	umhos/cm	547		652		3070	882	719	179	688	811	907
Specific Conductance	mS/cm											
Dissolved Oxygen	mg/L											
Eh	mV											
Fluoride	mg/L	0.2 U		0.2 U								
Nitrate+Nitrite as Nitrogen	mg/L	0.2 U		0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nitrate as Nitrogen	mg/L											
Nitrite as Nitrogen	mg/L											
pH	--	6.41		6.31		6.78	6.32	6.31	6.31	6.46	6.32	6.47
Sulfate	mg/L	0.7	0.4	0.4	1.6	1.4	1.8	3.2	0.9	0.7	1	1.2
Tannin and Lignin	mg/L	0.9		1		3.2	3	2.5	3.5	4.7	5.6	4.2
Temperature	C											
Total Organic Carbon	mg/L	18.7	27.7	22	21.3	28.8	28.2	31.1	34.1	37.2	34.8	44
Total Dissolved Solids	mg/L	440		449		458	489	450	572	586	595	624
Total Suspended Solids	mg/L											
Turbidity	NTU											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.005 U		0.005 U		0.006	0.006	0.005 U	0.005 U	0.008	0.009	0.008
Barium	mg/L	0.046		0.057		0.064	0.057	0.055	0.054	0.073	0.078	0.074
Cadmium	mg/L	0.003 U		0.003 U		0.003 U	0.003 U	0.003 U	0.004 U	0.004 U	0.004 U	0.004 U
Calcium	mg/L		80.8		70.2	61	81.1	84.2	95.8	93.3	101	102
Chromium	mg/L	0.005 U		0.005 U								
Copper	mg/L	0.01 U		0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	mg/L	1.36	1.93	3.54	3.56	6.94	3.13	0.293	3.28	13	7.08	4.87
Lead	mg/L	0.002 U		0.002 U								
Magnesium	mg/L		50.3		43.2	49.1	50.1	51.2	58.2	55.7	58.9	60.5
Manganese	mg/L	1.11	1.28	1.46	2.45	4.17	3.39	1.55	5.99	9.68	10.4	10.8
Mercury	mg/L	0.0005 U		0.0005 U								
Nickel	mg/L	0.02 U		0.02 U		0.026	0.033	0.026	0.035	0.03	0.022	0.038
Potassium	mg/L		4.2		3.4	5.3	3.5	3.8	3.77	5.9	6.49	3.07
Selenium	mg/L	0.005 U		0.005 U								
Silver	mg/L	0.01 U		0.01 U								
Sodium	mg/L		8.16		5.27	5.08	5.28	5.66	4.88	4.73	4.56	4.74
Zinc	mg/L	0.01 U		0.062		0.01 U	0.01 U	0.013	0.01 U	0.016	0.012	0.01 U
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L											
Pentachlorophenol	µg/L							1				
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
2,4-Dinitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Phenols	µg/L				0.2				2 U			
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-3. BXS-3: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Sample ID	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Date	1/14/1997	4/9/1997	8/6/1997	10/6/1997	1/15/1998	4/16/1998	7/16/1998	10/6/1998	1/12/1999	4/13/1999	7/21/1999
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L	467	508	519	513	490	474	470	459	457	444	470
Ammonia as Nitrogen	mg/L	0.5	0.63							0.32	0.21	0.09
Bicarb. Alkalinity as $CaCO_3$	mg/L					490	474	470	459	457	444	470
Dissolved Bicarbonate	mg/L	467	508	519	513							
Chemical Oxygen Demand	mg/L	102	87	89	89	81	94	99	102	97	77	93
Chloride	mg/L	8.2	19	6.1	6.2	5.4	6.5	6.2	6.6	5.8	6.4	5.7
Coliforms	MPN/100 mL	2	2 U	4	900	4	2	7	13	2	2 U	2
Conductivity	umhos/cm	740	853	814	753	638	882	607	730	733	818	783
Specific Conductance	mS/cm											
Dissolved Oxygen	mg/L											
Eh	mV											
Fluoride	mg/L											
Nitrate+Nitrite as Nitrogen	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nitrate as Nitrogen	mg/L											
Nitrite as Nitrogen	mg/L											
pH	--	6.31	6.38	6.29	6.13	6.37	6.47	6.48	6.43	6.51	6.36	6.44
Sulfate	mg/L	1.2	1.2	1	1.2	0.8	0.4	0.2 U	0.2 U	0.2 U	0.4	0.2 U
Tannin and Lignin	mg/L	7.9	5.6	5.7	6.1	6.2	11.4	6.7	6.9	7.3	8.1	7.5
Temperature	C											
Total Organic Carbon	mg/L	38	34	34	35.7	34.3	33.3	33.3	31.8	29.9	31.7	31
Total Dissolved Solids	mg/L	610	611	623	597	622	602	597	528	522	491	573
Total Suspended Solids	mg/L											
Turbidity	NTU											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.009	0.014	0.013	0.015	0.017	0.023	0.018	0.016	0.023	0.033	0.024
Barium	mg/L	0.069	0.061	0.057	0.06	0.054	0.053	0.052	0.075	0.081	0.055	0.05
Cadmium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Calcium	mg/L	88.6	97	95.6	100	95.6	96.4	100	94.2	96.1	97.2	92.8
Chromium	mg/L											
Copper	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
Iron	mg/L	13	18	17.4	17	18.8	23	16.3	12.2	31.2	35	23.2
Lead	mg/L											
Magnesium	mg/L	53.6	56.8	55.9	57.7	53.7	52.2	55.5	51.2	51.2	47.6	47.5
Manganese	mg/L	12.2	13	13	13.3	12.7	14	14.2	13.2	13.9	15.8	14.6
Mercury	mg/L											
Nickel	mg/L	0.02 U	0.021	0.021	0.029	0.02 U	0.031	0.032	0.025	0.028	0.029	0.02 U
Potassium	mg/L	7.7	7.56	6.1	5.2	4.71	4.78	4.5	5.4	7.1	4.26	4.18
Selenium	mg/L											
Silver	mg/L											
Sodium	mg/L	4.62	4.65	4.69	4.82	4.66	5	5.07	4.69	5.12	5.39	4.99
Zinc	mg/L	0.011	0.01 U	0.01 U	0.023	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.011
Phenols												
Phenol	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,4-Dichlorophenol	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Pentachlorophenol	µg/L					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitrophenol	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Nitrophenol	µg/L					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-2-methylphenol	µg/L					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L					1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acenaphthylene	µg/L					2 U	1 U	1 U	1 U	1	1 U	1 U
Anthracene	µg/L					0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)anthracene	µg/L					0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	µg/L					0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.1 U
Benzo(b)fluoranthene	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(g,h,i)perylene	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	µg/L					0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chrysene	µg/L					0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenz(a,h)anthracene	µg/L					0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Fluoranthene	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Fluorene	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Indeno(1,2,3-cd)pyrene	µg/L					0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Naphthalene	µg/L					1 U	1 U	1 U	1 U	1 U	1 U	1 U
Phenanthrene	µg/L					0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Pyrene	µg/L					0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Total PAHs (calculated)	µg/L					2 U	1 U	1 U	1 U	1	1 U	1 U
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-3. BXS-3: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Sample ID	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Date	10/5/1999	1/11/2000	4/20/2000	7/26/2000	10/5/2000	1/17/2001	4/4/2001	7/10/2001	10/2/2001	10/9/2001	1/14/2002
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L	456	400	425		438	487					450
Ammonia as Nitrogen	mg/L	0.15	0.45	0.3	0.31	0.16	0.12	0.14	0.11	0.05 U	0.05 U	0.07
Bicarb. Alkalinity as $CaCO_3$	mg/L	456	400	425		438			498			450
Dissolved Bicarbonate	mg/L											
Chemical Oxygen Demand	mg/L	93	105	91	49	77	68	79	71	60	60	54
Chloride	mg/L	4.2		3.9	5.5	5	5.5	4.8	4.4	4.1	4.1	3.2
Coliforms	MPN/100 mL	22	2 U	2 U	110	80 J	14 J	2 UJ	2 UJ	900 J	900 J	2 UJ
Conductivity	umhos/cm	794	598	568	589	614	872	901	885	887	887	806
Specific Conductance	mS/cm											
Dissolved Oxygen	mg/L											
Eh	mV											
Fluoride	mg/L											
Nitrate+Nitrite as Nitrogen	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			0.2 U
Nitrate as Nitrogen	mg/L				0.2 U					0.3 UJ	0.3 UJ	
Nitrite as Nitrogen	mg/L				0.2 U					0.2	0.2	
pH	--	6.47	6.47	6.47	6.34	6.47	6.83	6.9	6.64 J	6.36 J	6.36 J	6.45
Sulfate	mg/L	0.2	0.3	0.3	0.2	0.2 U	0.2	0.4 UJB	0.2	0.2	0.2	0.7
Tannin and Lignin	mg/L	10.6	22.7	9.1	7.1	8.2	12.2	3.2	6.4	21.6	21.6	9.9
Temperature	C											
Total Organic Carbon	mg/L	31.3	33.3	28.8	29.2	0.5 U	27.1	26.1	25.9	21.6	21.6	19.1
Total Dissolved Solids	mg/L	539	466	561	517	503		556	420	408	408	496
Total Suspended Solids	mg/L	296						99		16	16	
Turbidity	NTU											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.026	0.052	0.046	0.049	0.005 U	0.008	0.016	0.009	0.005	0.005	0.006
Barium	mg/L	0.064	0.061	0.083	0.105	0.103	0.06	0.067	0.064	0.049	0.049	0.0712
Cadmium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.005 U	0.005 U	0.005 U
Calcium	mg/L	89.4	78	0.092		95.5		112		103	103	
Chromium	mg/L											
Copper	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	mg/L	26.2	53.7	56.6	52.6	34.2	7.56	5.53	8.53	4.62	4.62	5.76
Lead	mg/L											
Magnesium	mg/L	45.5	32.4	39.7		44.4		54.5		56.9	56.9	
Manganese	mg/L	15.2	13.5	15.9	13.9	15.8	14.5	16.2	17.1	13.6	13.6	15.6
Mercury	mg/L											
Nickel	mg/L	0.027	0.022	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.038	0.02 U	0.02 U	0.033
Potassium	mg/L	2.9	8.5	9		11		5		3.39	3.39	
Selenium	mg/L											
Silver	mg/L											
Sodium	mg/L	5.14	4.23	5		5.1		5		5.74	5.74	
Zinc	mg/L	0.01 U	0.01 U	0.01 U	0.015	0.01 U	0.01 U	0.02	0.01 U	0.01 U	0.01 U	0.01 U
Phenols												
Phenol	µg/L	0.2 U	0.2 U	0.2 U								
2-Chlorophenol	µg/L	0.2 U	0.2 U	0.2 U								
2,4-Dichlorophenol	µg/L	0.2 U	0.2 U	0.2 U								
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L	0.2 U	0.2 U	0.2 U								
Pentachlorophenol	µg/L	0.5 U	0.5 U	0.5 U		0.5 U		0.5 U		0.2 UJ	0.2 UJ	
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L	0.2 U	0.2 U	0.2 U								
2-Nitrophenol	µg/L	0.2 U	0.2 U	0.2 U								
4-Nitrophenol	µg/L	0.5 U	0.5 U	0.5 U								
2,4-Dinitrophenol	µg/L	0.5 U	0.5 U	0.5 U								
4,6-Dinitro-2-methylphenol	µg/L	0.5 U	0.5 U	0.5 U								
4-Chloro-3-methylphenol	µg/L	0.2 U	0.2 U	0.2 U								
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L	1 U	1 U	1 U								
Acenaphthylene	µg/L	1 U	1 U	1 U								
Anthracene	µg/L	0.1 U	0.1 U	0.1 U								
Benzo(a)anthracene	µg/L	0.1 U	0.1 U	0.1 U								
Benzo(a)pyrene	µg/L	0.1 U	0.1 U	0.1 U								
Benzo(b)fluoranthene	µg/L	0.2 U	0.2 U	0.2 U								
Benzo(g,h,i)perylene	µg/L	0.2 U	0.2 U	0.2 U								
Benzo(k)fluoranthene	µg/L	0.1 U	0.1 U	0.1 U								
Chrysene	µg/L	0.1 U	0.1 U	0.1 U								
Dibenz(a,h)anthracene	µg/L	0.1 U	0.1 U	0.1 U								
Fluoranthene	µg/L	0.2 U	0.2 U	0.2 U								
Fluorene	µg/L	0.2 U	0.2 U	0.2 U								
Indeno(1,2,3-cd)pyrene	µg/L	0.1 U	0.1 U	0.1 U								
Naphthalene	µg/L	1 U	1 U	1 U								
Phenanthrene	µg/L	0.1 U	0.1 U	0.1 U								
Pyrene	µg/L	0.2 U	0.2 U	0.2 U								
Total PAHs (calculated)	µg/L	1 U	1 U	1 U								
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-3. BXS-3: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2005)

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Sample ID	BXS-3	BXS-3	GW1005	BXS-3	BXS-3	BXS-3	BXS-3	BXS-3
	Date	4/11/2002	7/11/2002	10/23/2002	1/16/2003	7/17/2003	2/12/2004	7/12/2004	1/13/2005
Analyte	**Unit**								
Conventionals									
Alkalinity	mg/L	438	425						
Ammonia as Nitrogen	mg/L	0.19	0.3	0.2					
Bicarb. Alkalinity as $CaCO_3$	mg/L		425						
Dissolved Bicarbonate	mg/L								
Chemical Oxygen Demand	mg/L	59	57	49					
Chloride	mg/L	2.9	4	3 J	3.5				
Coliforms	MPN/100 mL		1600 E	2 UJ					
Conductivity	umhos/cm	804	710	817					
Specific Conductance	mS/cm			0.93	1.43	0.945	0.699	0.926	0.571
Dissolved Oxygen	mg/L			1.72	2.04	2.28	4.81	0.46	4.66
Eh	mV			57	183	-57	-6	6	3
Fluoride	mg/L								
Nitrate+Nitrite as Nitrogen	mg/L	0.2 U	0.2 U						
Nitrate as Nitrogen	mg/L			0.003					
Nitrite as Nitrogen	mg/L			0.004					
pH	--	6.6 J	6.4	6.51	6.14	6.33	5.31	6.02	5.03
Sulfate	mg/L	0.3	0.3	0.4					
Tannin and Lignin	mg/L	10.9	8	8.1					
Temperature	C			13.2	13.4	13.58	13.13	13.76	13.52
Total Organic Carbon	mg/L	23	21.8	23.1					
Total Dissolved Solids	mg/L	520	592	518					
Total Suspended Solids	mg/L	65		11	12	10			25
Turbidity	NTU			4.5		40.3	12	13	-10
Metals									
Copper	mg/L				0.004 U				
Iron	mg/L				4.74				
Dissolved Metals									
Arsenic	mg/L	0.014	0.0219	0.008					
Barium	mg/L	0.099	0.129	0.0649					
Cadmium	mg/L	0.005 U	0.005 U	0.001 B					
Calcium	mg/L	92.8			99.1	111	90.9	110	52.6
Chromium	mg/L								
Copper	mg/L	0.01 U	0.01 U	0.008 U					
Iron	mg/L	19.6	21.9	5.34 J	3.23	4.16	2.97	4.29	6.52
Lead	mg/L								
Magnesium	mg/L	46.7		52.3	55.9	53.7	44.1	52.3	26.8
Manganese	mg/L	15.6	17.9	16					
Mercury	mg/L								
Nickel	mg/L	0.02	0.0363	0.0198 B					
Potassium	mg/L	12.3		5.91 J	3.64	4.35	7.72	3.99	19.7
Selenium	mg/L								
Silver	mg/L								
Sodium	mg/L	5.1		5.47	5.57	5.32	5.06	5.29	3.67
Zinc	mg/L	0.01 U	0.0102	0.0088 B					
Phenols									
Phenol	µg/L								
2-Chlorophenol	µg/L								
2,4-Dichlorophenol	µg/L								
3,4-Dichlorophenol	µg/L				0.2 U	0.2 U	2 U	2 U	0.3 U
3,5-Dichlorophenol	µg/L				0.2 U	0.2 U	2 U	2 U	0.65 U
2,4,5-Trichlorophenol	µg/L				0.5 UJ	2.4 Ui	0.33 U	0.5 U	0.27 U
2,4,6-Trichlorophenol	µg/L				0.03 U	0.5 U	0.17 U	0.16 U	0.096 U
Pentachlorophenol	µg/L	0.2 U			0.3 J	0.06 U	0.12 U	0.095 U	0.29 U
2-Methylphenol	µg/L								
4-Methylphenol	µg/L								
2,4-Dimethylphenol	µg/L								
2-Nitrophenol	µg/L								
4-Nitrophenol	µg/L								
2,4-Dinitrophenol	µg/L								
4,6-Dinitro-2-methylphenol	µg/L								
4-Chloro-3-methylphenol	µg/L								
Total Phenols	µg/L								
Total Tetrachlorophenols	µg/L				0.4 U	0.4 U	0.27 U	0.26 U	0.66 U
PAHs									
2-Methylnaphthalene	µg/L			0.0057 J	0.017 J				
Acenaphthene	µg/L			0.0025 J	0.0034 J				
Acenaphthylene	µg/L			0.0018 U	0.0018 U				
Anthracene	µg/L			0.0011 U	0.0037 J				
Benzo(a)anthracene	µg/L			0.0021 U	0.0041 J				
Benzo(a)pyrene	µg/L			0.0016 U	0.0016 U				
Benzo(b)fluoranthene	µg/L			0.002 U	0.002 U				
Benzo(g,h,i)perylene	µg/L			0.0037 U	0.0037 U				
Benzo(k)fluoranthene	µg/L			0.0014 U	0.0016 J				
Chrysene	µg/L			0.0013 U	0.02 U				
Dibenz(a,h)anthracene	µg/L			0.0017 U	0.0017 U				
Fluoranthene	µg/L			0.0024 U	0.02 U				
Fluorene	µg/L			0.0041 J	0.0093 J				
Indeno(1,2,3-cd)pyrene	µg/L			0.0021 U	0.0021 U				
Naphthalene	µg/L			0.0032 U	0.02 U				
Phenanthrene	µg/L			0.0032 U	0.02 U				
Pyrene	µg/L			0.0023 U	0.02 U				
Total PAHs (calculated)	µg/L			0.0066	0.0221				
Petroleum Hydrocarbons									
Diesel Range Organics	µg/L			57 U	45 U				
Residual Range Organics	µg/L			38 U	30 U				

Notes

µg/L = microgram per liter.
B = analyte was detected in the associated laboratory or field blank in addition to the sample.
C = Celsius.
i = method reporting limit and/or method detection limit had been elevated because of chromatographic interference.
J = analyte is an estimated quantity.
mg/L = milligram per liter.
MPN/100 mL = most probable number per 100 milliliters.
mS/cm = milliSiemens per centimeter.
mV = millivolts.
NTU = nephelometric turbidity unit.
PAHs = polycyclic aromatic hydrocarbons.
U = analyte not detected above the laboratory reporting limit.
UJ = analyte not detected above the estimated laboratory reporting limit.
umhos/cm = micromhos per centimeter.

Table 4-4. BXS-4: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4
	Sample ID	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4
	Date	8/13/1988	12/27/1988	3/28/1989	6/15/1989	9/13/1989	12/11/1989	8/1/1990	8/29/1990	8/1/1991	3/1/1992	3/24/1992
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L											
Ammonia as Nitrogen	mg/L	1.3	0.66	0.76	0.75	0.63	1					0.7
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Dissolved Bicarbonate	mg/L											
Chemical Oxygen Demand	mg/L	1857	11	416	365	158	1080					171
Chloride	mg/L	28	2.1	2.8	2.6	2	2.1					2.1
Coliforms	MPN/100 mL	1600	90	110	2 U	4	2 U					2 U
Conductivity	umhos/cm	200	190	194	177	163	156					189
Specfic Conductance	mS/cm											
Dissolved Oxygen	mg/L											
Eh	mV											
Ethane	µg/L											
Ethene	µg/L											
Ferrous Iron	mg/L											
Fluoride	mg/L											0.2 U
Methane	µg/L											
Nitrate+Nitrite as Nitrogen	mg/L											0.2 U
Nitrate as Nitrogen	mg/L	0.04	0.2 U	0.2 U	0.2 U	0.3	0.2 U					
Nitrite as Nitrogen	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U					
pH	--	7.5	7.9	7.5	7.4	7.49	6.58					8
Sulfate	mg/L	0.2 U	0.2 U	2.9	4	3.2	2.6					2.3
Tannin and Lignin	mg/L	10	2.9	0.96	11	0.3	1.4					0.3
Temperature	C											
Total Organic Carbon	mg/L	0.5 U		91	1.7	1.4	3.7					1.1
Total Dissolved Solids	mg/L											151
Total Suspended Solids	mg/L											
Turbidity	NTU											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L											0.006
Barium	mg/L											0.022
Cadmium	mg/L											0.003 U
Calcium	mg/L											
Chromium	mg/L											0.005 U
Copper	mg/L											0.01 U
Iron	mg/L	0.02	0.09	0.058	0.11	0.02 U	0.11					0.049
Lead	mg/L											0.002 U
Magnesium	mg/L											
Manganese	mg/L	0.13	0.13	0.158	0.12	0.073	0.114					0.109
Mercury	mg/L											0.0005 U
Nickel	mg/L											0.02 U
Potassium	mg/L											
Selenium	mg/L											0.005 U
Silver	mg/L											0.01 U
Sodium	mg/L											
Zinc	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U					0.01 U
Phenols												
Phenol	µg/L								10 U			
2-Chlorophenol	µg/L								10 U			
2,4-Dichlorophenol	µg/L								10 U			
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L								50 U			
2,4,6-Trichlorophenol	µg/L								10 U			
Pentachlorophenol	µg/L							10 U	50 U	1.3	0.5	
2-Methylphenol	µg/L								10 U			
4-Methylphenol	µg/L								10 U			
2,4-Dimethylphenol	µg/L								10 U			
2-Nitrophenol	µg/L								10 U			
4-Nitrophenol	µg/L								50 U			
2,4-Dinitrophenol	µg/L								50 U			
4,6-Dinitro-2-methylphenol	µg/L								50 U			
4-Chloro-3-methylphenol	µg/L								10 U			
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L								10 U			
Acenaphthene	µg/L								10 U			
Acenaphthylene	µg/L								10 U			
Anthracene	µg/L								10 U			
Benzo(a)anthracene	µg/L								10 U			
Benzo(a)pyrene	µg/L								10 U			
Benzo(b)fluoranthene	µg/L								10 U			
Benzo(g,h,i)perylene	µg/L								10 U			
Benzo(k)fluoranthene	µg/L								10 U			
Chrysene	µg/L								10 U			
Dibenz(a,h)anthracene	µg/L								10 U			
Fluoranthene	µg/L								10 U			
Fluorene	µg/L								10 U			
Indeno(1,2,3-cd)pyrene	µg/L								10 U			
Naphthalene	µg/L								10 U			
Phenanthrene	µg/L								10 U			
Pyrene	µg/L								10 U			
Total PAHs (calculated)	µg/L								10 U			
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-4. BXS-4: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4
	Sample ID	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4
	Date	6/23/1992	9/25/1992	12/9/1992	3/16/1993	6/22/1993	9/7/1993	12/2/1993	3/22/1994	6/21/1994	8/15/1994	10/12/1994
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L										94	
Ammonia as Nitrogen	mg/L	0.62	0.54	0.83	0.51	0.52	0.48	0.36	0.5	0.35		0.29
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Dissolved Bicarbonate	mg/L										94	
Chemical Oxygen Demand	mg/L	273	58	420	40	20	35	27	17	27		21
Chloride	mg/L		2.1	2.3	2.5	2.2	2.2	2.2	2.4	2.1	2	1.8
Coliforms	MPN/100 mL	2 U	2 U	4	2 U	2 U	2 U	2 U	4	2 U		2 U
Conductivity	umhos/cm	184	189	192	192	162	190	145	204	159		148
Specfic Conductance	mS/cm											
Dissolved Oxygen	mg/L											
Eh	mV											
Ethane	µg/L											
Ethene	µg/L											
Ferrous Iron	mg/L											
Fluoride	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U
Methane	µg/L											
Nitrate+Nitrite as Nitrogen	mg/L		0.2 U	0.2 U	0.7	0.2 U	0.2 U	0.2 U				0.2 U
Nitrate as Nitrogen	mg/L								0.2 U	0.2 U		
Nitrite as Nitrogen	mg/L								0.2 U	0.2 U		
pH	--	7.86	7.71	7.88	7.95	7.54	7.89	7.94	7.99	7.98		7.77
Sulfate	mg/L		1.9	1.7	2.2	1.9	2	1.8	2.4	1.7	1.6	1.7
Tannin and Lignin	mg/L		0.2	0.5	0.2 U	0.3	0.3	0.3	0.4	0.2 U		0.3
Temperature	C											
Total Organic Carbon	mg/L	2	0.8	2.2	0.5 U	1.6	1.8	0.9	0.7	3.9	7.5	3.2
Total Dissolved Solids	mg/L	147	152	136	136	137	144	148	140	140		132
Total Suspended Solids	mg/L											
Turbidity	NTU											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.005	0.006	0.006	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U
Barium	mg/L	0.018	0.061	0.026	0.025	0.026	0.023	0.025	0.024	0.028		0.023
Cadmium	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U		0.003 U
Calcium	mg/L										18.6	
Chromium	mg/L	0.005 U	0.018	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U
Copper	mg/L	0.01 U	0.012	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U
Iron	mg/L	0.06	4.87	0.039	0.051	0.061	0.039	0.038	0.043	0.052	0.054	0.051
Lead	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U		0.002 U
Magnesium	mg/L										7.77	
Manganese	mg/L	0.118		0.112	0.126	0.111	0.102	0.112	0.12	0.118	0.112	0.112
Mercury	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U		0.0005 U
Nickel	mg/L			0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U		0.02 U
Potassium	mg/L										3.2	
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U
Silver	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U
Sodium	mg/L										6.38	
Zinc	mg/L	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L											
Pentachlorophenol	µg/L											
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
2,4-Dinitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-4. BXS-4: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4
	Sample ID	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4
	Date	1/10/1995	2/16/1995	4/27/1995	8/1/1995	10/11/1995	1/11/1996	4/17/1996	4/18/1996	7/17/1996	7/18/1996	9/25/1996
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L		95	96	408	96	94	93		94		94
Ammonia as Nitrogen	mg/L	0.4		0.53	0.47	0.44	0.49		0.63		0.52	
Bicarb. Alkalinity as $CaCO_3$	mg/L											
Dissolved Bicarbonate	mg/L		95	96	408	96	94	93		94		94
Chemical Oxygen Demand	mg/L	23		48	35	28	15		25		14	5 U
Chloride	mg/L	2	2.2	1.8	1.9	1.9	2	1.9	1.9	2.1	2.1	2
Coliforms	MPN/100 mL	2 U		2 U	2 U	2	2		2 U		2 U	2 U
Conductivity	umhos/cm	166		174	227	177	17		154		165	157
Specfic Conductance	mS/cm											
Dissolved Oxygen	mg/L											
Eh	mV											
Ethane	µg/L											
Ethene	µg/L											
Ferrous Iron	mg/L											
Fluoride	mg/L	0.2										
Methane	µg/L											
Nitrate+Nitrite as Nitrogen	mg/L	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U		0.2 U	0.2 U
Nitrate as Nitrogen	mg/L											
Nitrite as Nitrogen	mg/L											
pH	--	7.86		7.92	7.7	7.68	7.49		7.83		7.52	7.55
Sulfate	mg/L	1.9	1.3	1.9	1.7	1.6	1.8	1.8	1.8	1.6	1.6	1.7
Tannin and Lignin	mg/L	0.2		0.2	0.7	0.9	0.4		0.2		0.2	0.4
Temperature	C											
Total Organic Carbon	mg/L	1.4	6.3	1.6	5.9	3.9	2.3	1.9	1.9	1	1	2.8
Total Dissolved Solids	mg/L	123		125	133	149	155		152		162	137
Total Suspended Solids	mg/L											
Turbidity	NTU											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L	0.005 U		0.006	0.005 U	0.005 U	0.005 U		0.005 U		0.005	0.005
Barium	mg/L	0.026		0.029	0.024	0.028	0.025		0.026		0.027	0.025
Cadmium	mg/L	0.003 U		0.003 U	0.003 U	0.003 U	0.004 U		0.004 U		0.004 U	0.004 U
Calcium	mg/L		17.7	19	17.9	18.7	18.7	18.5		18.8		18.4
Chromium	mg/L	0.005 U										
Copper	mg/L	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U		0.01 U		0.01 U	0.01 U
Iron	mg/L	0.032	0.032	0.057	0.047	0.038	0.058	0.04	0.04	0.042	0.042	0.054
Lead	mg/L	0.002 U										
Magnesium	mg/L		13.6	7.98	16	7.91	7.8	7.72		7.91		7.71
Manganese	mg/L	0.133	0.114	0.121	0.119	0.122	0.126	0.121	0.121	0.12	0.12	0.12
Mercury	mg/L	0.0005 U										
Nickel	mg/L	0.02 U		0.02 U	0.02 U	0.02 U	0.02 U		0.02 U		0.02 U	0.02 U
Potassium	mg/L		3.4	3.9	3	3.4	2.71	2.1		3.95		
Selenium	mg/L	0.005 U										
Silver	mg/L	0.01 U										
Sodium	mg/L		6.55	6.81	6.42	6.97	6.89	7.22		7.01		6.91
Zinc	mg/L	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U		0.025		0.01 U	0.01 U
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L											
Pentachlorophenol	µg/L											
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
2,4-Dinitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Phenols	µg/L							300				
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L											
Acenaphthylene	µg/L											
Anthracene	µg/L											
Benzo(a)anthracene	µg/L											
Benzo(a)pyrene	µg/L											
Benzo(b)fluoranthene	µg/L											
Benzo(g,h,i)perylene	µg/L											
Benzo(k)fluoranthene	µg/L											
Chrysene	µg/L											
Dibenz(a,h)anthracene	µg/L											
Fluoranthene	µg/L											
Fluorene	µg/L											
Indeno(1,2,3-cd)pyrene	µg/L											
Naphthalene	µg/L											
Phenanthrene	µg/L											
Pyrene	µg/L											
Total PAHs (calculated)	µg/L											
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-4. BXS-4: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4
	Sample ID	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4
	Date	1/13/1997	1/14/1997	4/9/1997	8/6/1997	10/6/1997	1/14/1998	4/15/1998	4/16/1998	7/16/1998	10/6/1998	1/12/1999
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L	96		96	96	93	95		92	93	95	97
Ammonia as Nitrogen	mg/L		0.51	0.57	0.57							0.49
Bicarb. Alkalinity as $CaCO_3$	mg/L						95		92	93	95	97
Dissolved Bicarbonate	mg/L	96		96	96	93			92			
Chemical Oxygen Demand	mg/L		27	13	14	17	32		5 U	54	17	7
Chloride	mg/L	2.1	2.1	2.1	2.1	1.8	2.1		2.2	2.1	2.1	2.1
Coliforms	MPN/100 mL		2 U	2 U	2 U	2 U	2 U		2 U	2 U	4	2 U
Conductivity	umhos/cm		168	166	174	189	148		193	176	162	176
Specfic Conductance	mS/cm											
Dissolved Oxygen	mg/L											
Eh	mV											
Ethane	µg/L											
Ethene	µg/L											
Ferrous Iron	mg/L											
Fluoride	mg/L											
Methane	µg/L											
Nitrate+Nitrite as Nitrogen	mg/L		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
Nitrate as Nitrogen	mg/L											
Nitrite as Nitrogen	mg/L											
pH	--		7.87	7.89	7.81	7.8	8.04		8.21	7.85	8.2	8.02
Sulfate	mg/L	1.6	1.6	1.7	1.6	1.7	1.5		1.3	1.6	1	1.2
Tannin and Lignin	mg/L		0.3	0.5	0.3	0.4	30.4		0.2 U	0.9	0.9	0.7
Temperature	C											
Total Organic Carbon	mg/L	3.6	3.6	1.8	4	1.4	7.8		33.3	7.1	1.6	1.2
Total Dissolved Solids	mg/L		161	141	131	142	186		131	152	131	133
Total Suspended Solids	mg/L											
Turbidity	NTU											
Metals												
Copper	mg/L											
Iron	mg/L											
Dissolved Metals												
Arsenic	mg/L		0.005 U	0.005 U	0.006	0.006	0.005		0.005	0.006	0.005 U	
Barium	mg/L		0.026	0.005 U	0.028	0.028	0.026		0.027	0.027	0.025	
Cadmium	mg/L		0.004 U	0.004 U	0.004 U	0.004 U	0.004 U		0.004 U	0.004 U	0.004 U	
Calcium	mg/L	18.2		19.4	18.6	18.5	19.3		18.8	18.6	18.5	
Chromium	mg/L											
Copper	mg/L		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U	
Iron	mg/L	0.046	0.046	0.02 U	0.065	0.082	0.041	0.063	0.063	0.047	0.045	
Lead	mg/L											
Magnesium	mg/L	7.74		8.23	7.83	7.95	8.04	7.78	7.78	7.78	7.78	
Manganese	mg/L	0.122	0.122	0.005 U	0.119	0.119	0.127	0.124	0.124	0.128	0.118	
Mercury	mg/L											
Nickel	mg/L		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U		0.02 U	0.02 U	0.02 U	
Potassium	mg/L	4.1		4.4	3.6	3.1	3.1	2.8	2.8	2.5	2.8	
Selenium	mg/L											
Silver	mg/L											
Sodium	mg/L	6.94		6.9	6.91	6.83	7.34	7.17	7.17	6.76	6.93	
Zinc	mg/L		0.01 U	0.01 U	0.01 U	0.01 U	0.024		0.01 U	0.01 U	0.01 U	
Phenols												
Phenol	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
2,4-Dichlorophenol	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
3,4-Dichlorophenol	µg/L											
3,5-Dichlorophenol	µg/L											
2,4,5-Trichlorophenol	µg/L											
2,4,6-Trichlorophenol	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
Pentachlorophenol	µg/L						0.5 U		0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
2-Nitrophenol	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
4-Nitrophenol	µg/L						0.5 U		0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dinitrophenol	µg/L						0.5 U		0.5 U	0.5 U	0.5 U	0.5 U
4,6-Dinitro-2-methylphenol	µg/L						0.5 U		0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L											
PAHs												
2-Methylnaphthalene	µg/L											
Acenaphthene	µg/L						1 U		1 U	1 U	1 U	1 U
Acenaphthylene	µg/L						1 U		1 U	1 U	1 U	1 U
Anthracene	µg/L						0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)anthracene	µg/L						0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)pyrene	µg/L						0.1 U		0.1 U	0.1 U	0.1 U	0.2 U
Benzo(b)fluoranthene	µg/L						0.5		0.2 U	0.2 U	0.2 U	0.2 U
Benzo(g,h,i)perylene	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	µg/L						0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
Chrysene	µg/L						0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
Dibenz(a,h)anthracene	µg/L						0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
Fluoranthene	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
Fluorene	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
Indeno(1,2,3-cd)pyrene	µg/L						0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
Naphthalene	µg/L						1 U		1 U	1 U	1 U	1 U
Phenanthrene	µg/L						0.1 U		0.1 U	0.1 U	0.1 U	0.1 U
Pyrene	µg/L						0.2 U		0.2 U	0.2 U	0.2 U	0.2 U
Total PAHs (calculated)	µg/L						0.5		1 U	1 U	1 U	1 U
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L											
Residual Range Organics	µg/L											

Table 4-4. BXS-4: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4	
	Sample ID	BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4		BXS-4	
	Date	4/13/1999		7/21/1999		10/5/1999		1/11/2000		4/20/2000		7/26/2000		10/5/2000		1/16/2001		4/4/2001		7/10/2001		10/2/2001	
Analyte	**Unit**																						
Conventionals																							
Alkalinity	mg/L	96		96		100		100		94				95									
Ammonia as Nitrogen	mg/L	0.55		0.49		0.51		0.54		0.51		0.54		0.46		0.63		0.48		0.53		0.37	
Bicarb. Alkalinity as $CaCO_3$	mg/L	96		96		100		100		94				95						96			
Dissolved Bicarbonate	mg/L																						
Chemical Oxygen Demand	mg/L	6		58		88		10		16		5	U	29		7		14		38		10	
Chloride	mg/L	2.1		2.2		2.3		2.2		2		2		2		2.2		2		2		2	
Coliforms	MPN/100 mL	2	U	2	U	2		4		2	U	2	U	4	J	2	UJ	2	UJ	2	UJ	2	J
Conductivity	umhos/cm	182		184		178		164		150		165		159		189		193		193		195	
Specfic Conductance	mS/cm																						
Dissolved Oxygen	mg/L																						
Eh	mV																						
Ethane	µg/L																						
Ethene	µg/L																						
Ferrous Iron	mg/L																						
Fluoride	mg/L																						
Methane	µg/L																						
Nitrate+Nitrite as Nitrogen	mg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.1		0.2	U	0.2	U	0.2	U	0.2	U		
Nitrate as Nitrogen	mg/L											0.1										0.2	UJ
Nitrite as Nitrogen	mg/L											0.1	U									0.1	U
pH	--	7.96		7.87		7.91		8.1		7.97		7.78		7.99		8.03		7.87		7.96	J	7.58	J
Sulfate	mg/L	1.7		1.2		1.6		1.2		1.6		1.7		1.6		1.2		1.6		1.6		1.2	
Tannin and Lignin	mg/L	0.5		0.5		0.6		0.4		0.3		0.3		0.4		0.6		0.2		0.4		0.5	
Temperature	C																						
Total Organic Carbon	mg/L	4.3		2.7		7.5		11.7		0.7		1.1		1.3		1		1.2		9.3		0.9	
Total Dissolved Solids	mg/L	160		151		168		144		180		156		94		131		134		134		140	
Total Suspended Solids	mg/L					1440												31				115	
Turbidity	NTU																						
Metals																							
Copper	mg/L																						
Iron	mg/L																						
Dissolved Metals																							
Arsenic	mg/L	0.006		0.005		0.006		0.006		0.005		0.006		0.005		0.005	U	0.005		0.005		0.005	
Barium	mg/L	0.027		0.021		0.031		0.03		0.026		0.026		0.029		0.025		0.026		0.032		0.026	
Cadmium	mg/L	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.005	U
Calcium	mg/L	19.2		17.7		18.3		16.8		19.4				19.1				20.3				19	
Chromium	mg/L																						
Copper	mg/L	0.027		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Iron	mg/L	0.04		0.027		0.041		0.02	U	0.04		0.04		0.06		0.05		0.05		0.438		0.035	
Lead	mg/L																						
Magnesium	mg/L	8		7.38		7.75		6.96		8.04				8.18				8.49				8.01	
Manganese	mg/L	0.125		0.109		0.122		0.106		0.123		0.12		0.129		0.123		0.116		0.123		0.114	
Mercury	mg/L																						
Nickel	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Potassium	mg/L	2	U	2	U	2.05		4.4		3				2				3				2.61	
Selenium	mg/L																						
Silver	mg/L																						
Sodium	mg/L	7.14		6.54		7.21		6.05		7.2				7.3				6.7				7.01	
Zinc	mg/L	0.024		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Phenols																							
Phenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
2-Chlorophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
2,4-Dichlorophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
3,4-Dichlorophenol	µg/L																						
3,5-Dichlorophenol	µg/L																						
2,4,5-Trichlorophenol	µg/L																						
2,4,6-Trichlorophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Pentachlorophenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U			0.5	U			0.5	U			0.62	J
2-Methylphenol	µg/L																						
4-Methylphenol	µg/L																						
2,4-Dimethylphenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
2-Nitrophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
4-Nitrophenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U												
2,4-Dinitrophenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U												
4,6-Dinitro-2-methylphenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U												
4-Chloro-3-methylphenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Total Phenols	µg/L																						
Total Tetrachlorophenols	µg/L																						
PAHs																							
2-Methylnaphthalene	µg/L																						
Acenaphthene	µg/L	1	U	1	U	1	U	1	U	1	U												
Acenaphthylene	µg/L	1	U	1	U	1	U	1	U	1	U												
Anthracene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Benzo(a)anthracene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Benzo(a)pyrene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Benzo(b)fluoranthene	µg/L	0.2	U	0.2	U	0.8		0.7		0.2	U												
Benzo(g,h,i)perylene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Benzo(k)fluoranthene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Chrysene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Dibenz(a,h)anthracene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Fluoranthene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Fluorene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Indeno(1,2,3-cd)pyrene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U												
Naphthalene	µg/L	1	U	1	U	1	U	1	U	1	U												
Phenanthrene	µg/L	0.1	U	0.1		0.1	U	0.1	U	0.1	U												
Pyrene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U												
Total PAHs (calculated)	µg/L	1	U	0.1		0.8		0.7		1	U												
Petroleum Hydrocarbons																							
Diesel Range Organics	µg/L																						
Residual Range Organics	µg/L																						

Table 4-4. BXS-4: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4
	Sample ID	BXS-4	BXS-4	BXS-4	BXS-4	GW1001	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4	BXS-4
	Date	10/9/2001	1/14/2002	4/11/2002	7/11/2002	10/22/2002	1/15/2003	7/10/2003	2/10/2004	7/12/2004	1/12/2005	11/4/2005
Analyte	**Unit**											
Conventionals												
Alkalinity	mg/L		96	92	96							96
Ammonia as Nitrogen	mg/L	0.37	0.47	0.38	0.49	0.03 U						
Bicarb. Alkalinity as $CaCO_3$	mg/L		96		96							
Dissolved Bicarbonate	mg/L											
Chemical Oxygen Demand	mg/L	10	7	19	25	37						
Chloride	mg/L	2	2	2	2.2	1.9	2.1					1.8
Coliforms	MPN/100 mL	2 J	2 U	2 UJ	2 UX	2 U						
Conductivity	umhos/cm	195	192	192	176							
Specfic Conductance	mS/cm					0.205	0.178	0.193	0.174	0.216	0.187	
Dissolved Oxygen	mg/L					7.97	3.92	0.82	11.24	0.41	7.1	0.4
Eh	mV					60	-3	-253	-110	-92	5	-216
Ethane	µg/L											0.35 U
Ethene	µg/L											0.55 U
Ferrous Iron	mg/L											0.05
Fluoride	mg/L											
Methane	µg/L											270
Nitrate+Nitrite as Nitrogen	mg/L		0.2 U	0.2 U	0.2 U	0.9						
Nitrate as Nitrogen	mg/L	0.2 UJ				0.003 UJ						0.008 U
Nitrite as Nitrogen	mg/L	0.1 U				0.004 UJ						
pH	--	7.58 J	8.03	8.02 J	8	6.95	7.77	7.9	7.14	7.38	6.11	8.1
Sulfate	mg/L	1.2	1.1	1.6	1.6	1.1						1
Tannin and Lignin	mg/L	0.5	0.5	0.5	0.4	0.3						
Temperature	C					9.8	9.8	10.91	9.58	10.27	9.88	9.6
Total Organic Carbon	mg/L	0.9	1	1	0.8							
Total Dissolved Solids	mg/L	140	136	167	174	112						
Total Suspended Solids	mg/L	115		180		7	5 U	5 U	5 U	5 U	5 U	
Turbidity	NTU											10
Metals												
Copper	mg/L						0.004 U					
Iron	mg/L						0.107					
Dissolved Metals												
Arsenic	mg/L	0.005	0.005 U	0.005	0.01 U	0.0054						
Barium	mg/L	0.026	0.0271	0.026	0.0296	0.0266						
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.0004 U						
Calcium	mg/L	19		19			18.5	19.3	19.1	19.8	18.9	
Chromium	mg/L											
Copper	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.008 U						
Iron	mg/L	0.035	0.05	0.04	0.0329	0.0418 J	0.0359	0.0418	0.0449	0.0429	0.0409	
Lead	mg/L											
Magnesium	mg/L	8.01		8.1		8.08	7.86	8.17	7.93	8.26	7.94	
Manganese	mg/L	0.114	0.127	0.112	0.123	0.105						
Mercury	mg/L											
Nickel	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.0009 U						
Potassium	mg/L	2.61		2.64		2.79	2.43	2.66	2.9	2.38	2.77	
Selenium	mg/L											
Silver	mg/L											
Sodium	mg/L	7.01		7.1		7.05	6.92	7.22	7.12	7.27	7.09	
Zinc	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.002 U						
Phenols												
Phenol	µg/L											
2-Chlorophenol	µg/L											
2,4-Dichlorophenol	µg/L											
3,4-Dichlorophenol	µg/L					0.2 U	0.2 U	0.2 U	2 U	2 U	2 U	
3,5-Dichlorophenol	µg/L					0.2 U	0.2 U	0.2 U	2 U	2 U	2 U	
2,4,5-Trichlorophenol	µg/L					0.5 U	0.5 UJ	0.97 Ui	0.33 U	0.5 U	0.5 U	
2,4,6-Trichlorophenol	µg/L					0.03 UJ	0.03 U	0.03 U	0.17 U	0.16 U	0.16 U	
Pentachlorophenol	µg/L	0.62 J		0.23		0.06 U	0.06 U	0.06 U	0.12 U	0.095 U	0.095 U	
2-Methylphenol	µg/L											
4-Methylphenol	µg/L											
2,4-Dimethylphenol	µg/L											
2-Nitrophenol	µg/L											
4-Nitrophenol	µg/L											
2,4-Dinitrophenol	µg/L											
4,6-Dinitro-2-methylphenol	µg/L											
4-Chloro-3-methylphenol	µg/L											
Total Phenols	µg/L											
Total Tetrachlorophenols	µg/L					0.4 U	0.4 U	1 Ui	0.27 U	0.26 U	0.26 U	
PAHs												
2-Methylnaphthalene	µg/L					0.0028 J	0.015 J					
Acenaphthene	µg/L					0.002 U	0.002 U					
Acenaphthylene	µg/L					0.0018 U	0.0018 U					
Anthracene	µg/L					0.0011 U	0.0011 U					
Benzo(a)anthracene	µg/L					0.01 J	0.0039 J					
Benzo(a)pyrene	µg/L					0.0065 J	0.0016 U					
Benzo(b)fluoranthene	µg/L					0.0078 J	0.002 U					
Benzo(g,h,i)perylene	µg/L					0.0073 J	0.0037 U					
Benzo(k)fluoranthene	µg/L					0.0078 J	0.0014 U					
Chrysene	µg/L					0.0091 J	0.02 U					
Dibenz(a,h)anthracene	µg/L					0.0065 J	0.0017 U					
Fluoranthene	µg/L					0.0057 J	0.02 U					
Fluorene	µg/L					0.0026 U	0.0029 J					
Indeno(1,2,3-cd)pyrene	µg/L					0.0069 J	0.0021 U					
Naphthalene	µg/L					0.0041 J	0.02 U					
Phenanthrene	µg/L					0.0032 U	0.02 U					
Pyrene	µg/L					0.0065 J	0.02 U					
Total PAHs (calculated)	µg/L					0.0779	0.0068					
Petroleum Hydrocarbons												
Diesel Range Organics	µg/L					46 U	87 J					
Residual Range Organics	µg/L					520 U	31 U					

Table 4-4. BXS-4: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1988-2006)

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

	Station	BXS-4	
	Sample ID	BXS-4	
	Date	2/15/2006	
Analyte	**Unit**		
Conventionals			
Alkalinity	mg/L	98	
Ammonia as Nitrogen	mg/L		
Bicarb. Alkalinity as $CaCO_3$	mg/L		
Dissolved Bicarbonate	mg/L		
Chemical Oxygen Demand	mg/L		
Chloride	mg/L	1.6	
Coliforms	MPN/100 mL		
Conductivity	umhos/cm		
Specfic Conductance	mS/cm		
Dissolved Oxygen	mg/L	1.7	
Eh	mV	-139	
Ethane	µg/L	0.38	U
Ethene	µg/L	0.55	U
Ferrous Iron	mg/L	0.07	
Fluoride	mg/L		
Methane	µg/L	220	
Nitrate+Nitrite as Nitrogen	mg/L		
Nitrate as Nitrogen	mg/L	0.008	UJ
Nitrite as Nitrogen	mg/L		
pH	--	8.29	
Sulfate	mg/L	0.8	
Tannin and Lignin	mg/L		
Temperature	C	9.5	
Total Organic Carbon	mg/L		
Total Dissolved Solids	mg/L		
Total Suspended Solids	mg/L		
Turbidity	NTU		
Metals			
Copper	mg/L		
Iron	mg/L		
Dissolved Metals			
Arsenic	mg/L		
Barium	mg/L		
Cadmium	mg/L		
Calcium	mg/L		
Chromium	mg/L		
Copper	mg/L		
Iron	mg/L		
Lead	mg/L		
Magnesium	mg/L		
Manganese	mg/L		
Mercury	mg/L		
Nickel	mg/L		
Potassium	mg/L		
Selenium	mg/L		
Silver	mg/L		
Sodium	mg/L		
Zinc	mg/L		
Phenols			
Phenol	µg/L		
2-Chlorophenol	µg/L		
2,4-Dichlorophenol	µg/L		
3,4-Dichlorophenol	µg/L		
3,5-Dichlorophenol	µg/L		
2,4,5-Trichlorophenol	µg/L		
2,4,6-Trichlorophenol	µg/L		
Pentachlorophenol	µg/L		
2-Methylphenol	µg/L		
4-Methylphenol	µg/L		
2,4-Dimethylphenol	µg/L		
2-Nitrophenol	µg/L		
4-Nitrophenol	µg/L		
2,4-Dinitrophenol	µg/L		
4,6-Dinitro-2-methylphenol	µg/L		
4-Chloro-3-methylphenol	µg/L		
Total Phenols	µg/L		
Total Tetrachlorophenols	µg/L		
PAHs			
2-Methyinaphthalene	µg/L		
Acenaphthene	µg/L		
Acenaphthylene	µg/L		
Anthracene	µg/L		
Benzo(a)anthracene	µg/L		
Benzo(a)pyrene	µg/L		
Benzo(b)fluoranthene	µg/L		
Benzo(g,h,i)perylene	µg/L		
Benzo(k)fluoranthene	µg/L		
Chrysene	µg/L		
Dibenz(a,h)anthracene	µg/L		
Fluoranthene	µg/L		
Fluorene	µg/L		
Indeno(1,2,3-cd)pyrene	µg/L		
Naphthalene	µg/L		
Phenanthrene	µg/L		
Pyrene	µg/L		
Total PAHs (calculated)	µg/L		
Petroleum Hydrocarbons			
Diesel Range Organics	µg/L		
Residual Range Organics	µg/L		

Notes

µg/L = microgram per liter.
B = analyte was detected in the associated laboratory or field blank in addition to the sample.
C = Celsius.
i = method reporting limit and/or method detection limit had been elevated because of chromatographic interference.
J = analyte is an estimated quantity.
mg/L = milligram per liter.
MPN/100 mL = most probable number per 100 milliliters.
mS/cm = milliSiemens per centimeter.
mV = millivolts.
NTU = nephelometric turbidity unit.
PAHs = polycyclic aromatic hydrocarbons.
U = analyte not detected above the laboratory reporting limit.
UJ = analyte not detected above the estimated laboratory reporting limit.
umhos/cm = micromhos per centimeter.

Table 4-5. BXS Field Blanks: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1998-2002)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5	
	Sample ID	BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5	
	Date	1/14/1998		4/15/1998		7/16/1998		10/6/1998		1/12/1999		4/13/1999		7/21/1999		10/4/1999		1/11/2000		4/20/2000		7/26/2000	
Analyte	**Unit**	**Field blank**		**Field blank**		**Field blank**		**Field blank**		**Field blank**		**Field blank**		**Field blank**		**Field blank**		**Field blank**		**Field blank**		**Field blank**	
Conventionals																							
Alkalinity	mg/L	20	U	20	U	20	U	20	U	20	U	20	U	20	U	2	U	2	U	20	U		
Ammonia as Nitrogen	mg/L									0.05	U	0.01		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Bicarb. Alkalinity as $CaCO_3$	mg/L	20	U	20	U	20	U	20	U	20	U	20	U	20	U	2	U	2	U	20	U		
Chemical Oxygen Demand	mg/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chloride	mg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.4	U	0.2	U	0.2	U	0.2	U
Coliforms	MPN/100 mL	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U			2	U
Conductivity	umhos/cm	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Nitrate+Nitrite as Nitrogen	mg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Nitrate as Nitrogen	mg/L																					0.1	U
Nitrite as Nitrogen	mg/L																					0.1	U
pH	--	5.67		5.73		5.77		5.29		6.63		5.95		6.07		6.21		6.55		6.01		5.16	
Sulfate	mg/L	0.2	U	0.3		0.2	U	0.2	U	0.2	U	0.2	U	2.2		0.4	U	0.2	U	0.2	U	0.2	U
Tannin and Lignin	mg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Total Organic Carbon	mg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Total Dissolved Solids	mg/L	5	U	13		23		5	U	10	U	184		5	U	11		12		27		5	U
Total Suspended Solids	mg/L																						
Dissolved Metals																							
Arsenic	mg/L	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Barium	mg/L	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Cadmium	mg/L	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
Calcium	mg/L	0.05	U	0.066		0.096		0.05	U	0.078		0.052		0.053		0.151		0.066		0.1			
Copper	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Iron	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.023		0.02	U	0.02	U
Magnesium	mg/L	0.016		0.022		0.047		0.014		0.016		0.02		0.017		0.044		0.032		0.06			
Manganese	mg/L	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.006		0.005	U	0.005	U
Nickel	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Potassium	mg/L	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2.1		2	U		
Sodium	mg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.112		0.138		0.1	U		
Zinc	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.017		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Phenols																							
Phenol	µg/L	0.3		0.4		0.7		0.2	U	0.2	U	4.1		0.4		0.2	U	4.9		0.2			
2-Chlorophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
2,4-Dichlorophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
2,4,6-Trichlorophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Pentachlorophenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		
2,4-Dimethylphenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
2-Nitrophenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
4-Nitrophenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		
2,4-Dinitrophenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		
4,6-Dinitro-2-methylphenol	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		
4-Chloro-3-methylphenol	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
PAHs																							
Acenaphthene	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
Acenaphthylene	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
Anthracene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U		
Benzo(a)anthracene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U		
Benzo(a)pyrene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U		
Benzo(b)fluoranthene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Benzo(g,h,i)perylene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Benzo(k)fluoranthene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U		
Chrysene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U		
Dibenz(a,h)anthracene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U		
Fluoranthene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Fluorene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Indeno(1,2,3-cd)pyrene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U		
Naphthalene	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
Phenanthrene	µg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U		
Pyrene	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U		
Total PAHs (calculated)	µg/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		

Table 4-5. BXS Field Blanks: Field Parameters, Conventionals, Metals, Phenols, PAHs, and TPH (1998-2002)

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

	Station	BXS-5		BXS-5		BXS-5		BXS-5		FIELD		FIELD	
	Sample ID	BXS-5		BXS-5		BXS-5		BXS-5		BXS-5		BXS-5	
	Date	10/5/2000		1/16/2001		4/4/2001		7/10/2001		10/2/2001		4/11/2002	
Analyte	**Unit**	**Field blank**		**Field blank**		**Field blank**		**Field blank**		**Field blank**		**Field blank**	
Conventionals													
Alkalinity	mg/L	20	U										
Ammonia as Nitrogen	mg/L	0.05	U	0.06		0.05	U	0.05	U				
Bicarb. Alkalinity as $CaCO_3$	mg/L	20	U					2	U				
Chemical Oxygen Demand	mg/L	5	U	5	U	5	U	5	U				
Chloride	mg/L	0.2	U	0.2	U	0.2	U	0.2	U				
Coliforms	MPN/100 mL	2	UJ	2	UJ	2	UJ	2	UJ				
Conductivity	umhos/cm	2	U	2		3		2	U				
Nitrate+Nitrite as Nitrogen	mg/L	0.2	U	0.2	U	0.2	U	0.2	U				
Nitrate as Nitrogen	mg/L												
Nitrite as Nitrogen	mg/L												
pH	--	5.72		5.52		5.4		5.53	J				
Sulfate	mg/L	0.2	U	0.2	U	0.3		0.2	U				
Tannin and Lignin	mg/L	0.2	U	0.2	U	0.2	U	0.2	U				
Total Organic Carbon	mg/L	0.5	U	0.5	U	0.5	U	0.5	U				
Total Dissolved Solids	mg/L	5	U	5	U	10	U	5	U				
Total Suspended Solids	mg/L					5	U			5	U	5	U
Dissolved Metals													
Arsenic	mg/L	0.005	U	0.005	U	0.005	U	0.005	U				
Barium	mg/L	0.005	U	0.005	U	0.005	U	0.005	U			0.005	U
Cadmium	mg/L	0.004	U	0.004	U	0.004	U	0.004	U			0.005	U
Calcium	mg/L	0.05	U			0.05	U			0.218		0.05	U
Copper	mg/L	0.01	U	0.01	U	0.01	U	0.01	U			0.01	U
Iron	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Magnesium	mg/L	0.02	U			0.02	U			0.064		0.02	U
Manganese	mg/L	0.005	U	0.005	U	0.005	U	0.005	U			0.005	U
Nickel	mg/L	0.02	U	0.02	U	0.02	U	0.02	U			0.02	U
Potassium	mg/L	2	U			2	U			2	U	2	U
Sodium	mg/L	0.1	U			0.1	U			0.824		0.1	U
Zinc	mg/L	0.01	U	0.01	U	0.01	U	0.01	U			0.01	U
Phenols													
Phenol	µg/L												
2-Chlorophenol	µg/L												
2,4-Dichlorophenol	µg/L												
2,4,6-Trichlorophenol	µg/L												
Pentachlorophenol	µg/L	0.5	U			0.5	U			0.2	UJ	0.2	U
2,4-Dimethylphenol	µg/L												
2-Nitrophenol	µg/L												
4-Nitrophenol	µg/L												
2,4-Dinitrophenol	µg/L												
4,6-Dinitro-2-methylphenol	µg/L												
4-Chloro-3-methylphenol	µg/L												
PAHs													
Acenaphthene	µg/L												
Acenaphthylene	µg/L												
Anthracene	µg/L												
Benzo(a)anthracene	µg/L												
Benzo(a)pyrene	µg/L												
Benzo(b)fluoranthene	µg/L												
Benzo(g,h,i)perylene	µg/L												
Benzo(k)fluoranthene	µg/L												
Chrysene	µg/L												
Dibenz(a,h)anthracene	µg/L												
Fluoranthene	µg/L												
Fluorene	µg/L												
Indeno(1,2,3-cd)pyrene	µg/L												
Naphthalene	µg/L												
Phenanthrene	µg/L												
Pyrene	µg/L												
Total PAHs (calculated)	µg/L												

Notes

µg/L = microgram per liter.

C = Celsius.

J = analyte is an estimated quantity.

mg/L = milligram per liter.

MPN/100 mL = most probable number per 100 milliliters.

NTU = nephelometric turbidity unit.

PAHs = polycyclic aromatic hydrocarbons.

U = analyte not detected above the laboratory reporting limit.

UJ = analyte not detected above the estimated laboratory reporting limit.

umhos/cm = micromhos per centimeter.