APPENDIX F

Soil, Groundwater, and Sediment Data

Table F-1 - Groundwater Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Groundwater Initial PRG	SW Initial PRG (for GW Screening)	MP03 5/19/08	MP04 5/15/08	MW-1 6/1/07	MW-2 6/1/07	MW-3 6/1/07	MW-4 6/1/07	MW-5 6/1/07	MW-6 6/1/07	MW-6 6/1/07 FD	MW-7 6/1/07	MW-8 6/1/07	SP02 5/15/08
Total Petroleum Hydrocarbons (TPH)														
Gasoline Range Hydrocarbons in ug/L			50 U	1,300 U	50.0 U	63.5	2,800	10,600	481	3,450	3,400	174	4,850	50 U
Diesel Range Hydrocarbons in ug/L			170 JL	510 J	236 U	236 U	236 U	18,500 Q5	236 U	540 QP	646 QP	447	1,860 Q5	250 U
Oil Range Hydrocarbons in ug/L			160 JL	500 U	472 U	472 U	472 U	2,360 U	472 U	472 U	472 U	472 U	472 U	500 U
Metals														
Total Antimony in ug/L	6	640		0.4 JQ	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	0.3 JQ
Total Arsenic in ug/L	0.045	0.14		4.1 J	1.54	1.08	14.2	26	2.83	4.8	4.43	1.43	4.69	0.6 J
Total Barium in ug/L	2,000			173										35.7
Total Beryllium in ug/L	4	0.66		0.37 JQ	1 U	1 U	1.07	1.08	1 U	1 U	1 U	1 U	1 U	1 U
Total Cadmium in ug/L	5	8.8		0.16 JQ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.05 JQ
Total Chromium (Total) in ug/L	100	42		69.6	11.8	5.15	228	177	6.07	1.34	1.06	15.6	9.28	2.4
Total Chromium (VI) in ug/L	0.031	50			6	5 U	48	33	61	23	33	11	90	
Total Cobalt in ug/L	4.7			8.3 J										1.4 J
Total Copper in ug/L	620	3.1		32 J	10.1	3.4	130	143	9	1.05	1 U	13.1	8.94	1.9 JQ
Total Lead in ug/L	15	8.1		8 J	1.55	1 U	18.3	21.6	5.12	1 U	1 U	2.23	4.47	0.44 JQ
Total Manganese in ug/L	320			3,020										98.1
Total Mercury in ug/L	0.63	0.94			0.2 U	0.2 U	0.246	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	
Total Nickel in ug/L	300	8.2		38.2 J	18.7	7.24	232	180	89.7	1.65	1.32	20.2	14.4	5.2 J
Total Selenium in ug/L	50	71		5 UJ	1 U	1 U	1 U	1 U	3.64	1 U	1 U	1 U	1 U	5 UJ
Total Silver in ug/L	71	1.9		0.07 JQ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Total Thallium in ug/L	0.16	0.47		0.26 JQ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Vanadium in ug/L	63			78.2										3.7 JQ
Total Zinc in ug/L	4,700	81		37.2 J	13.4	10 U	185	155	32.1	10 U	10 U	18	12.7	4.5 J
Organometallics														
Tributyltin in ug/L	2.8	0.0074			0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	
Polycyclic Aromatic Hydrocarbons (PAHs)														
Acenaphthene in ug/L	400	990		4.9 J	0.102 U	0.0971 U	1.10	485	14.5	20.1	16.3	0.0943 U	12.3	0.05 U
Acenaphthylene in ug/L		4,840		5.4 J	0.102 U	0.0971 U	9.71 U	25.1	3.10	34.9	27.8	0.222	9.41	0.05 U
Anthracene in ug/L	1,300	40,000		0.4	0.102 U	0.0971 U	9.71 U	120	0.726	4.23	1.32	0.0943 U	0.891	0.05 U
Benzo(g,h,i)perylene in ug/L		7.64		0.05 U	0.102 U	0.0971 U	0.0979	25.6	0.639	0.221	0.104	0.0943 U	0.500	0.05 U
Dibenzofuran in ug/L	5.8	4		0.29 J	10.2 U	9.71 U	9.71 U	31.8	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Fluoranthene in ug/L	630	140		0.26	0.102 U	0.0971 U	1.95	122	3.29	11.2	9.68	0.0943 U	1.72	0.05 U
Fluorene in ug/L	220	5,300		0.25	0.102 U	0.0971 U	3.31	184	1.36	15.3	5.34	0.102	0.873	0.05 U
Phenanthrene in ug/L		1.5		0.05 U	0.102 U	0.0971 U	5.78	377	1.46	5.73	0.0943 U	0.0943 U	1.04	0.05 U
Pyrene in ug/L	87	4,000		0.36	0.102 U	0.0971 U	2.36	34.5	3.90	13.6	11.1	0.174	2.92	0.05 U
1-Methylnaphthalene in ug/L	0.97	2.1			0.102 U	0.0971 U	16.8	970	9.43 U	59.4	9.47	0.0943 U	0.813	
2-Methylnaphthalene in ug/L	27	4.2		0.35	0.102 U	0.0971 U	0.415	1,430	1.20	0.0943 U	0.0943 U	0.0943 U	0.367	0.13
Naphthalene in ug/L	0.14	13		10 J	0.102 U	0.0971 U	345	5,270	25.5	54.9	64.6	3.19	1,070	0.47
Benz(a)anthracene in ug/L	0.029	0.018		0.05 U	0.0102 U	0.00971 U	0.389	39.3	0.884	0.727	0.430	0.0168	0.694	0.05 U
Benzo(a)pyrene in ug/L	0.0029	0.018		0.05 U	0.0102 U	0.00971 U	0.217	37.6	0.905	0.345	0.158	0.0247	0.878	0.05 U
Benzo(b)fluoranthene in ug/L	0.029	0.018		0.05 U	0.0102 U	0.00971 U	0.0968	9.43 U	0.637	0.272	0.115	0.00943 U	0.657	0.05 U
Benzo(k)fluoranthene in ug/L	0.29	0.018		0.05 U	0.0102 U	0.00971 U	0.227	9.43 U	0.615	0.281	0.189	0.0602	0.494	0.05 U
Chrysene in ug/L	2.9	0.018		0.05 U	0.0102 U	0.00971 U	0.432	40.8	1.16	0.772	0.392	0.0372	0.836	0.05 U
Dibenzo(a,h)anthracene in ug/L	0.0029	0.018		0.05 U	0.0102 U	0.00971 U	0.0437	9.43 U	0.189	0.0678	0.0723	0.00943 U	0.170	0.05 U
Indeno(1,2,3-cd)pyrene in ug/L	0.029	0.018		0.05 U	0.0102 U	0.00971 U	0.0874	9.43 U	0.467	0.167	0.0985	0.00943 U	0.433	0.05 U
Total cPAHs TEQ (ND = 0) in ug/L	0.0029			ND	ND	ND	0.306	41.9	1.2	0.504	0.252	0.0328	1.13	ND
Total cPAHs TEQ (ND = 1/2 RDL) in ug/L	0.0029			ND	ND	ND	0.306	43.8	1.2	0.504	0.252	0.0342	1.13	ND
Other (Non-PAH) Semivolatiles														
1,1'-Biphenyl in ug/L	0.83	14		0.5 U										0.5 U
1,2,4,5-Tetrachlorobenzene in ug/L	1.2	1.1		0.5 U										0.5 U
1,2,4-Trimethylbenzene in ug/L	15	19		0.5 U										
2,3,4,6-Tetrachlorophenol in ug/L	170	1.2		0.5 U										0.5 U
2,4,5-Trichlorophenol in ug/L	890	12		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
2,4,6-Trichlorophenol in ug/L	3.5	2.4		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
2,4-Dichlorophenol in ug/L	35	290		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
2,4-Dimethylphenol in ug/L	270	850		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U

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2,4-Dinitrophenol in ug/L	30	5,300		2.5 U	20.4 U	19.4 U	19.4 U	18.9 U	18.9 U	18.9 U	18.9 U	18.9 U	19.8 U	2.5 U
2-Chloronaphthalene in ug/L	550	1,600		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
2-Chlorophenol in ug/L	71	150		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
2-Methylphenol in ug/L	720	67			10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	
2-Nitroaniline in ug/L	150			1 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	1 U
2-Nitrophenol in ug/L		2,940		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
3 & 4 Methylphenol in ug/L	1,400				10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	
3,3'-Dichlorobenzidine in ug/L	0.11	0.028		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
3-Nitroaniline in ug/L				1 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	1 U
4,6-Dinitro-2-methylphenol in ug/L	1.2	280		1 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	1 U
4-Bromophenyl phenyl ether in ug/L		1.5		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
4-Chloro-3-methylphenol in ug/L	1,100	34.8		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
4-Chloroaniline in ug/L	0.32	232		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
4-Chlorophenyl phenyl ether in ug/L				0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 UJ
4-Methylphenol in ug/L	1,400	25		0.5 U										0.5 U
4-Nitroaniline in ug/L	3.3			1 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	1 U
4-Nitrophenol in ug/L		60		1 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	1 U
Acetophenone in ug/L	1,500			0.5 U										0.5 U
Aniline in ug/L	12	2.2			10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	
Atrazine in ug/L	0.26	1.8		0.5 U										0.5 U
Benzaldehyde in ug/L	1,500			0.5 U										0.5 U
Benzidine in ug/L	0.000092	3.9		0.5 U										0.5 U
Benzoic acid in ug/L	58,000	42			20.4 U	19.4 U	19.4 U	18.9 U	18.9 U	18.9 U	18.9 U	18.9 U	19.8 U	
Benzyl alcohol in ug/L	1,500	8.6			10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	
Benzyl butyl phthalate in ug/L	14	1,900		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.33 J
Bis(2-chloro-1-methylethyl) ether in ug/L	0.31	65,000		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Bis(2-chloroethoxy)methane in ug/L	46			0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Bis(2-chloroethyl) ether in ug/L	0.012	0.53		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Bis(2-ethylhexyl) phthalate in ug/L	4.8	2.2		0.5 J	51.0 U	48.5 U	48.5 U	47.2 U	47.2 U	47.2 U	47.2 U	47.2 U	49.5 U	0.33 J
Caprolactam in ug/L	7,700			0.71 J										0.5 U
Carbazole in ug/L				1.3 J	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Diethyl phthalate in ug/L	11,000	44,000		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Dimethyl phthalate in ug/L		1,100,000		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Di-n-butyl phthalate in ug/L	670	4,500		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Di-n-octyl phthalate in ug/L	160	22		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Hexachlorobenzene in ug/L	0.042	0.00029		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Hexachlorocyclopentadiene in ug/L	22	1,100		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Hexachloroethane in ug/L	0.79	3.3		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Isophorone in ug/L	67	960		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Nitrobenzene in ug/L	0.12	690			10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	
N-Nitrosodimethylamine in ug/L	0.00042	330,000		0.5 U										0.5 U
N-Nitroso-di-n-propylamine in ug/L	0.0093	0.51		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
N-Nitrosodiphenylamine in ug/L	10	6		0.5 U	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	0.5 U
Pentachlorophenol in ug/L	0.035	3		0.1	10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	11.4	0.1 U
Phenol in ug/L	4,500	860,000		0.5 U	10.2 U	9.71 U	75.5	9.43 U	9.43 U	77.5	62.6	9.43 U	81.6	0.05 U
2,4-Dinitrotoluene in ug/L	0.2	3.4			10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	
2,6-Dinitrotoluene in ug/L	0.042	81			10.2 U	9.71 U	9.71 U	9.43 U	9.43 U	9.43 U	9.43 U	9.43 U	9.90 U	
Volatile Organic Compounds (VOC)														
1,1,1,2-Tetrachloroethane in ug/L	0.5			0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
1,1,1-Trichloroethane in ug/L	200	76		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
1,1,2 - Trichlorotrifluoroethane in ug/L	53,000			0.25 U										0.25 U
1,1,2,2-Tetrachloroethane in ug/L	0.066	4		0.25 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.25 U
1,1,2-Trichloroethane in ug/L	0.24	16		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
1,1-Dichloroethane in ug/L	2.4	47		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
1,1-Dichloroethene in ug/L	7	7,100			0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
1,1-Dichloropropene in ug/L					0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	
1,2,3-Trichlorobenzene in ug/L	5.2	8		0.5 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.5 U
1,2,3-Trichloropropane in ug/L	0.00065			0.25 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.25 U

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1,2,4-Trichlorobenzene in ug/L	0.99	70		0.5 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.5 U
1,2,4-Trimethylbenzene in ug/L	15	19			0.200 U	0.200 U	9.36	179	3.52	10.3	10.6	0.200 U	40.4	0.5 U
1,2-Dibromo-3-chloropropane in ug/L	0.00032			0.25 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.25 U
1,2-Dibromoethane (EDB) in ug/L	0.0065			0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
1,2-Dichlorobenzene in ug/L	280	1,300		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
1,2-Dichloroethane (EDC) in ug/L	0.15	37		0.25 U	0.200 U	4.72	3.06	0.200 U	0.200 U	0.930	0.850	0.200 U	0.200 U	0.25 U
1,2-Dichloropropane in ug/L	0.38	15		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
1,3,5-Trimethylbenzene in ug/L	87	71		0.5 U	0.500 U	0.500 U	1.87	30.0	0.530	1.26	1.22	0.500 U	5.60	0.5 U
1,3-Dichlorobenzene in ug/L		960		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
1,3-Dichloropropane in ug/L	290				0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	
1,4-Dichlorobenzene in ug/L	0.42	190		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
2,2-Dichloropropane in ug/L					0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	
2-Butanone in ug/L	4,900	2,200		5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
2-Chlorotoluene in ug/L	180				0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	
2-Hexanone in ug/L	34	99		5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
4-Chlorotoluene in ug/L	190				0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	
4-Methyl-2-pentanone in ug/L	1,000	170		5 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5 U
Acetone in ug/L	12,000	1,700		5 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	5 U
Benzene in ug/L	0.39	51		70	0.200 U	18.4	826	25.2	85.1	950	826	2.23	650	0.35 U
Bromobenzene in ug/L	54				0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	
Bromochloromethane in ug/L	83			0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
Bromodichloromethane in ug/L	0.12	17		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
Bromoform in ug/L	7.9	140		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
Bromomethane in ug/L	7	1,500		0.25 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.25 U
Carbon disulfide in ug/L	720	0.92		0.25 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.25 U
Carbon tetrachloride in ug/L	0.39	1.6		0.25 U	0.660	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
Chlorobenzene in ug/L	72	1,600		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
Chloroethane in ug/L	21,000			0.25 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.25 U
Chloroform in ug/L	0.19	470		0.25 U	2.84	1.42	0.200	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
Chloromethane in ug/L	190	2,700		0.25 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.25 U
cis-1,2-Dichloroethene (DCE) in ug/L	28			0.25 U	0.200 U	0.200 U	0.370	1.29	0.200 U	0.740	0.770	0.200 U	0.200 U	0.25 U
cis-1,3-Dichloropropene in ug/L		21		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
Cyclohexane in ug/L	13,000			0.38										0.25 U
Dibromochloromethane in ug/L	0.15	13		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
Dibromomethane in ug/L	7.9				0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	
Dichlorodifluoromethane in ug/L	190			0.25 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.25 U
Ethylbenzene in ug/L	1.3	2,100		26	0.200 U	0.200 U	151	322	10.1	187	160	0.530	244	0.25 U
Hexachlorobutadiene in ug/L	0.26	18		0.25 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	0.25 U
Isopropylbenzene in ug/L	390	2.6		3	0.500 U	0.500 U	5.29	37.4	5.25	8.93	8.90	0.500 U	8.15	0.25 U
Methyl acetate in ug/L	16,000			0.25 U										0.25 U
Methyl tert-butyl ether (MTBE) in ug/L	12	11,070		0.25 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.25 U
Methylcyclohexane in ug/L				0.25 U										0.25 U
Methylene chloride in ug/L	5	590		0.25 UJ	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	0.25 UJ
n-Butylbenzene in ug/L	780				0.200 U	0.200 U	0.480	5.30	0.200 U	0.590	0.520	0.200 U	0.580	
n-Hexane in ug/L	250	0.58			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.17	1.00 U	1.00 U	1.00 U	
n-Propylbenzene in ug/L	530	128			0.500 U	0.500 U	6.41	9.20	0.500 U	3.14	3.29	0.500 U	2.38	
p-Isopropyltoluene in ug/L		85			0.200 U	0.200 U	0.900	8.44	0.200 U	0.270	0.250	0.200 U	1.17	
sec-Butylbenzene in ug/L	1,600				0.200 U	0.200 U	0.370	4.43	0.200 U	0.360	0.400	0.320	0.570	
Styrene in ug/L	100	32		0.25 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.25 U
tert-Butylbenzene in ug/L	510				0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	
Tetrachloroethene (PCE) in ug/L	5	3.3		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
Toluene in ug/L	860	15,000		1.5	0.200 U	0.200 U	4.21	41.9	0.450	3.07	3.17	0.200 U	1.49	0.25 U
trans-1,2-Dichloroethene in ug/L	86	10,000		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
trans-1,3-Dichloropropene in ug/L		21		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U
Trichloroethene (TCE) in ug/L	0.44	30		0.25 U	4.79	0.610	0.330	0.630	0.200 U	0.200 U	0.200 U	0.400	0.200 U	0.49 J
Trichlorofluoromethane in ug/L	1,100			0.25 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.25 U
Vinyl chloride in ug/L	0.015	2.4		0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.25 U

Table F-1 - Groundwater Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Groundwater Initial PRG	SW Initial PRG (for GW Screening)	MP03 5/19/08	MP04 5/15/08	MW-1 6/1/07	MW-2 6/1/07	MW-3 6/1/07	MW-4 6/1/07	MW-5 6/1/07	MW-6 6/1/07	MW-6 6/1/07 FD	MW-7 6/1/07	MW-8 6/1/07	SP02 5/15/08
m,p-Xylenes in ug/L	190			0.74 J	0.500 U	0.500 U	22.4	383	3.38	6.54	7.55	0.500 U	88.4	0.25 U
o-Xylene in ug/L	190			5.8	0.250 U	0.250 U	17.2	211	4.91	12.6	12.7	0.250 U	111	0.25 U
Xylenes (total) in ug/L	190	19			0.750 U	0.750 U	39.6	593	8.29	19.2	20.3	0.750 U	191	
Polychlorinated Biphenyls (PCBs)														
Aroclor 1016 in ug/L	0.96				0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
Aroclor 1221 in ug/L	0.004				0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
Aroclor 1232 in ug/L	0.004				0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
Aroclor 1242 in ug/L	0.034				0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
Aroclor 1248 in ug/L	0.034				0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
Aroclor 1254 in ug/L	0.034				0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
Aroclor 1260 in ug/L	0.034				0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
Aroclor 1262 in ug/L					0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	
Aroclor 1268 in ug/L					0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	

Notes

Concentrations in shaded cells indicate value exceeds groundwater PRG.
Concentrations within bold border indicate value exceeds SW PRG (for GW Screening).
Where a sample has multiple results for a given analyte (tested for in multiple methods) the highest detected value is shown. Where all results were non-detects, the result with the lowest detection limit is shown.
J = Analyte was positively identified. The reported result is an estimate.
JL = Estimated: The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample. Lowest available reporting limit for the analytical method used.
JQ = Approximate value due to quality control problems.
PRG = preliminary remediation goal
Q5 = Results in the diesel organics range are primarily due to overlap from a gasoline range product.
QP = Hydrocarbon result partly due to individual peak(s) in quantitation range.
SW PRG = surface preliminary remediation goal
U = Analyte was not detected at or above the reported result.
UJ = Analyte was not detected at or above the reported estimate

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	BGW-RE-GP-01 9/3/13 (0-1.5ft)	BGW-RE-HA-01 9/4/13 (5-6.5ft)	MP01 5/14/08 (3.5-5ft)	MP01 5/14/08 (8.5-10ft)	MP01 5/14/08 (13.5-15ft)	MP01 5/14/08 (18.5-20ft)	MP01 5/14/08 (23.5-25ft)	MP01 5/14/08 (28.5-30ft)	MP01 5/14/08 (33.5-35ft)	MP02 5/19/08 (3.5-5ft)	MP02 5/19/08 (8.5-10ft)	MP02 5/19/08 (13.5-15ft)	MP02 5/19/08 (18.5-20ft)	MP02 5/19/08 (23.5-25ft)	MP02 5/19/08 (28.5-30ft)	MP03 5/19/08 (3.5-5ft)	MP03 5/19/08 (8.5-10ft)	MP03 5/19/08 (18.5-20ft)
Total Petroleum Hydrocarbons (TPH)																			
Gasoline Range Hydrocarbons (mg/kg)				500 U	170 U	7 U	7 U	6 U	6 U	6 U	6 U	7 U	6 U	6 U	5 U	6 U	8 U	5 U	6 U
Diesel Range Hydrocarbons (mg/kg)				500 U	250 U	160 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Oil Range Hydrocarbons (mg/kg)				250	500 U	50 U	50 U	50 U	50 U	50 U	18	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Metals																			
Aluminum (mg/kg)	7,700			11,200 J	11,200 J	7,360 J	6,760 J	9,680 J	11,300 J	18,500	14,600	11,500	8,700	8,120	7,850	7,240	19,300	7,670	12,200
Antimony (mg/kg)	0.27									7.5 UJ	0.8 JQ								
Arsenic (mg/kg)	0.68			1.1	2	0.9	0.8	1	1.6	3.2	1.2	0.8	0.5	0.5	0.8	0.7	4	0.9	1
Barium (mg/kg)	330			46.1 J	45.7 J	31.8 J	30.1 J	37.9 J	37.8 J	89.1	64.5	43.1	35.4	36.9	35.1	33.5	113	43.6	51.5
Beryllium (mg/kg)	16			0.2 JQ	0.2 JQ	0.2 JQ	0.2 JQ	0.2 JQ	0.2 JQ	0.4 J	0.4 JQ	0.3 JQ	0.3 JQ	0.2 JQ	0.2 JQ	0.2 JQ	0.5 JQ	0.3 JQ	0.4 JQ
Cadmium (mg/kg)	0.36			0.3 JQ	0.3 JQ	0.2 JQ	0.2 JQ	0.3 JQ	0.5 JQ	0.9	0.6 U	0.6 U	0.5 U	0.6 U	0.5 U	0.5 U	0.6 U	0.5 U	0.6 U
Calcium (mg/kg)				3,200	3,300	3,040	3,030	3,210	5,310	7,150	1,620	1,840	2,250	2,070	2,130	2,040	5,200	2,960	2,770
Chromium (Total) (mg/kg)	26			20.4	20.5	18.9	18	20.3	36.4	48.1 J	22.4	19.8	17.9	18.3	16.8	16	49.3	18.9	22.5
Chromium (VI) (mg/kg)	0.3																		
Cobalt (mg/kg)	2.3			5.8	6.6	5.7	5.5	6.5	10.1	15.8	6.6	5.7	5.4	5.5 JQ	5.5	5 JQ	14.8	5.7	7.2
Copper (mg/kg)	28			11.1	14.4	9.8	10.3	10.7	25.3	41.5	13	10.4	9.1	9.1	8.3	8	36.3	10.3	13.8
Iron (mg/kg)	5,500			10,900 J	13,400 J	10,900 J	10,400 J	12,800 J	18,500 J	32,600	13,500	11,200	10,700	9,940	10,100	9,570	28,500	11,300	15,000
Lead (mg/kg)	11			5.6 J	1.3 J	1 JQ	0.7 JQ	0.8 JQ	1.3 J	4.1	3.7	2.5	2.1	2	2.1	1.8	6.3	4.3	3.3
Magnesium (mg/kg)				3,750 J	4,600 J	4,290 J	4,440 J	4,610 J	5,920 J	11,000	4,210	3,810	4,140	3,640	3,770	3,520	8,650	3,410	4,590
Manganese (mg/kg)	180			193 J	274 J	202 J	198 J	177 J	401 J	497	225	201	194	189	193	173	526	244	261
Mercury (mg/kg)	1.1			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 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel (mg/kg)	38			30.1 J	30.5 J	34.3 J	34.5 J	36.9 J	30.6 J	54	35.5	31.8	32.7	32.7	32.8	31.4	65.7	29.7	35
Potassium (mg/kg)				462 JQ	465 JQ	411 JQ	393 JQ	398 JQ	376 JQ	1,360	355 JQ	372 JQ	366 JQ	383 JQ	387 JQ	361 JQ	844	294 JQ	542 JQ
Selenium (mg/kg)	0.52			3.8 U	3.7 U	3.7 U	3.7 U	4.1 U	3.8 U	4.4 U	3.9 U	3.9 U	3.7 U	3.9 U	3.7 U	3.7 U	4.4 U	3.8 U	4.1 U
Silver (mg/kg)	4.2			1.1 U	1.1 U	1.1 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U	1.1 U	1.2 U
Sodium (mg/kg)				176 JQ	211 JQ	215 JQ	232 JQ	149 JQ	198 JQ	422 JQ	145 JQ	120 JQ	133 JQ	126 JQ	145 JQ	122 JQ	268 JQ	202 JQ	144 JQ
Thallium (mg/kg)	0.078			2.2 JQ	2.2 JQ	1.7 JQ	1.5 JQ	2.4 JQ	2.6 JQ	4.7	2.8 U	2.8 U	2.7 U	2.8 U	2.7 U	2.7 U	3.2 U	1.1 JQ	1.2 JQ
Vanadium (mg/kg)	7.8			26.5	31.7	23.7	22.7	30.1	45.9	72.3	31.3	23.3	24.8	20.7	22.3	20.8	61.7	25.1	34.2
Zinc (mg/kg)	46			23.6 J	24 J	21.5 J	20.6 J	23.6 J	34.2 J	63	25.3 J	21 J	19.6 J	19.9 J	19.1 J	18.9 J	56.3 J	21.8 J	27.6 J
Organometallics																			
Tributyltin (mg/kg)	2.3																		
Conventional Chemistry Parameters																			
Dry Weight (Percent)																			
Total Organic Carbon (Percent)		5.2	68.5 J																
Total Solids (Percent)		91.24	73.54 J																
Polycyclic Aromatic Hydrocarbons (PAHs)																			
Acenaphthene (mg/kg)	360	0.023 J	0.11 J		0.0011 U	0.001 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Acenaphthylene (mg/kg)		0.43	2.5 J	0.27	0.0011 U	0.001 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.032	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Anthracene (mg/kg)	1,800	0.5	2.3 J	0.16	0.0011 U	0.001 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Benzo(g,h,i)perylene (mg/kg)		2.4	0.51 J	0.52	0.0015	0.0014	0.0019	0.0011 J	0.0012	0.0012 J	0.067	0.00099 J	0.00071 J	0.0012 U	0.0011 U	0.005	0.0013 U	0.0011 U	0.0012 U
Benzo(j)fluoranthene (mg/kg)		0.78	0.86 J																
Dibenzofuran (mg/kg)	7.3			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Fluoranthene (mg/kg)	240	2.8	39 J	0.63	0.0011 U	0.001 U	0.001 U	0.0012 U	0.00068 J	0.0012 U	0.031	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0021	0.0013 U	0.0011 U	0.0012 U
Fluorene (mg/kg)	240	0.12	0.59 J	0.079	0.0011 U	0.001 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Phenanthrene (mg/kg)		2.1	76 J	0.6 J	0.00065 J	0.001 U	0.001 U	0.0012 U	0.00082 J	0.00071 J	0.0013	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Pyrene (mg/kg)	180	4.3	19 J	1.4	0.0006 J	0.001 U	0.001 U	0.0012 U	0.00081 J	0.0012 U	0.039	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0035	0.0013 U	0.0011 U	0.0012 U
1-Methylnaphthalene (mg/kg)	18	0.2	3.7 J																
2-Methylnaphthalene (mg/kg)	24	0.34	9.9 J																
Naphthalene (mg/kg)	3.8	0.64	40 J	0.67 J	0.00071 J	0.0038	0.0027	0.0023	0.0017	0.0015	0.0022	0.00091 J	0.00059 J	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Benz(a)anthracene (mg/kg)	0.16	2	2.4 J	1.1 U	0.0011 U	0.001 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.02 J	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0038	0.0013 U	0.0011 U	0.0012 U
Benzo(a)pyrene (mg/kg)	0.016	2.1	0.75 J	0.57	0.00069 J	0.00053 J	0.00074 J	0.0012 U	0.00056 J	0.0012 U	0.068	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0077	0.0013 U	0.0011 U	0.0012 U
Benzo(b)fluoranthene (mg/kg)	0.16	1.9	2.5 J	0.43	0.0011 UJ	0.001 UJ	0.001 UJ	0.0012 UJ	0.0011 UJ	0.0012 U	0.023 J	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.011 J	0.0013 U	0.0011 U	0.0012 U
Benzo(k)fluoranthene (mg/kg)	1.6	0.89	0.88 J	0.37	0.0011 UJ	0.001 UJ	0.001 UJ	0.0012 UJ	0.0011 UJ	0.0012 U	0.055	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0047	0.0013 U	0.0011 U	0.0012 U
Chrysene (mg/kg)	16	2.4	9.6 J	0.43	0.022 U	0.001 U	0.001 U	0.0012 U	0.00067 J	0.00067 J	0.035	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0069	0.0013 U	0.0011 U	0.0012 U
Dibenzo(a,h)anthracene (mg/kg)	0.016	0.35 J	0.25 J	0.13 J	0.0012	0.0011	0.0016	0.00088 J	0.00092 J	0.00093 J	0.02 J	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U
Indeno(1,2,3-cd)pyrene (mg/kg)	0.16	1.4	0.47 J	0.39	0.0014	0.0013	0.0018	0.001 J	0.0011	0.0011 J	0.055	0.00066 J	0.001 U	0.0012 U	0.0011 U	0.0035	0.0013 U	0.0011 U	0.0012 U
Total cPAHs TEQ (ND = 0) (mg/kg)	0.016	2.9913 J	1.5554 J	0.706	0.00095	0.00077	0.00108	0.000188 J	0.000769	0.00021 J	0.0857	0.000066 J	ND	ND	ND	0.0101	ND	ND	ND
Total cPAHs TEQ (ND = 1/2 RDL) (mg/kg)	0.016	2.9913 J	1.5554 J	0.761	0.00123	0.000925	0.00124	0.000974 J	0.000934	0.00099 J	0.0857	0.000842 J	ND	ND	ND	0.0101	ND	ND	ND

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	BGW-RE-GP-01 9/3/13 (0-1.5ft)	BGW-RE-HA-01 9/4/13 (5-6.5ft)	MP01 5/14/08 (3.5-5ft)	MP01 5/14/08 (8.5-10ft)	MP01 5/14/08 (13.5-15ft)	MP01 5/14/08 (18.5-20ft)	MP01 5/14/08 (23.5-25ft)	MP01 5/14/08 (28.5-30ft)	MP01 5/14/08 (33.5-35ft)	MP02 5/19/08 (3.5-5ft)	MP02 5/19/08 (8.5-10ft)	MP02 5/19/08 (13.5-15ft)	MP02 5/19/08 (18.5-20ft)	MP02 5/19/08 (23.5-25ft)	MP02 5/19/08 (28.5-30ft)	MP03 5/19/08 (3.5-5ft)	MP03 5/19/08 (8.5-10ft)	MP03 5/19/08 (18.5-20ft)
Other (Non-PAH) Semivolatiles																			
1,1'-Biphenyl (mg/kg)	4.7			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
1,2,4,5-Tetrachlorobenzene (mg/kg)	2.3			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
1,2-Dichlorobenzene (mg/kg)	180				0.0013 U														
1,3-Dichlorobenzene (mg/kg)						0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,4-Dichlorobenzene (mg/kg)	2.6					0.0014 U													
1,4-Dioxane (mg/kg)	5.3			0.14 U	0.13 U	0.14 U	0.13 U	0.13 U	0.11 U	0.13 U	0.11 U	0.12 U	0.14 U	0.13 U	0.11 U	0.11 U	0.13 UJ	0.091 UJ	0.11 UJ
2,3,4,6-Tetrachlorophenol (mg/kg)	190			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
2,4,5-Trichlorophenol (mg/kg)	630			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
2,4,6-Trichlorophenol (mg/kg)	6.3			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
2,4-Dichlorophenol (mg/kg)	19			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
2,4-Dimethylphenol (mg/kg)	130			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
2,4-Dinitrophenol (mg/kg)	13			0.11 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.12 UJ	0.11 UJ	0.12 UJ	0.12 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	0.13 UJ	0.11 UJ	0.12 UJ
2-Chloronaphthalene (mg/kg)	480			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
2-Chlorophenol (mg/kg)	39			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
2-Methylphenol (mg/kg)	320																		
2-Nitroaniline (mg/kg)	63			0.044 U	0.044 U	0.043 U	0.043 U	0.048 U	0.044 U	0.051 U	0.047 U	0.045 U	0.043 U	0.048 U	0.044 U	0.045 U	0.052 U	0.045 U	0.05 U
2-Nitrophenol (mg/kg)				0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
3 & 4 Methylphenol (mg/kg)																			
3,3'-Dichlorobenzidine (mg/kg)	1.2			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
3-Nitroaniline (mg/kg)				0.044 U	0.044 U	0.043 U	0.043 U	0.048 U	0.044 U	0.051 U	0.047 U	0.045 U	0.043 U	0.048 U	0.044 U	0.045 U	0.052 U	0.045 U	0.05 U
4,6-Dinitro-2-methylphenol (mg/kg)	0.51			0.044 U	0.044 U	0.043 U	0.043 U	0.048 U	0.044 U	0.051 U	0.047 U	0.045 U	0.043 U	0.048 U	0.044 U	0.045 U	0.052 UJ	0.044 UJ	0.049 UJ
4-Bromophenyl phenyl ether (mg/kg)				0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
4-Chloro-3-methylphenol (mg/kg)	630			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
4-Chloroaniline (mg/kg)	2.7			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
4-Chlorophenyl phenyl ether (mg/kg)				0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
4-Methylphenol (mg/kg)	630			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
4-Nitroaniline (mg/kg)	25			0.044 U	0.044 U	0.043 U	0.043 U	0.048 U	0.044 U	0.051 U	0.047 U	0.045 U	0.043 U	0.048 U	0.044 U	0.045 U	0.052 U	0.045 U	0.05 U
4-Nitrophenol (mg/kg)				0.044 U	0.044 U	0.043 U	0.043 U	0.048 U	0.044 U	0.051 U	0.047 U	0.045 U	0.043 U	0.048 U	0.044 U	0.045 U	0.052 U	0.045 U	0.05 U
Acenaphthene (mg/kg)	360			0.022 U															
Acetophenone (mg/kg)				0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Aniline (mg/kg)	44																		
Atrazine (mg/kg)				0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Benzaldehyde (mg/kg)				0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Benzidine (mg/kg)	0.00053			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Benzoic acid (mg/kg)	25,000																		
Benzyl alcohol (mg/kg)	630																		
Benzyl butyl phthalate (mg/kg)	290			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.029	0.023 U	0.023 U	0.019 J	0.017 J	0.015 J	0.022 U	0.016 J	0.022 U	0.025 U
Bis(2-chloro-1-methylethyl) ether (mg/kg)	310			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Bis(2-chloroethoxy)methane (mg/kg)	19			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Bis(2-chloroethyl) ether (mg/kg)	0.23			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Bis(2-ethylhexyl) phthalate (mg/kg)	39			0.18 J	0.082	0.1	0.075	0.093	0.083	0.25	0.29	0.12	0.15	0.18	0.13	0.1	0.24	0.082	0.16
Caprolactam (mg/kg)				0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.015 J	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Carbazole (mg/kg)				0.026	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Dibenzofuran (mg/kg)	7.3	0.082	2.6 J																
Diethyl phthalate (mg/kg)	5,100			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Dimethyl phthalate (mg/kg)				0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Di-n-butyl phthalate (mg/kg)	630			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.014 J	0.016 J	0.023 U	0.013 J	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Di-n-octyl phthalate (mg/kg)	63			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Hexachlorobenzene (mg/kg)	0.21			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Hexachlorobutadiene (mg/kg)	1.2																		
Hexachlorocyclopentadiene (mg/kg)	0.18			0.054 UJ	0.054 UJ	0.054 UJ	0.054 UJ	0.06 UJ	0.055 UJ	0.062 UJ	0.059 U	0.057 U	0.054 U	0.06 U	0.055 U	0.056 U	0.065 U	0.056 UJ	0.061 UJ
Hexachloroethane (mg/kg)	1.8						0.0025 U	0.0025 U	0.0022 U	0.0026 U	0.0023 U	0.0025 U	0.0027 U	0.0026 U	0.0023 U	0.0023 U	0.0025 U	0.0018 U	0.0022 U
Isophorone (mg/kg)	570			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Nitrobenzene (mg/kg)	5.1																		
N-Nitrosodimethylamine (mg/kg)	0.002			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
N-Nitroso-di-n-propylamine (mg/kg)	0.078			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
N-Nitrosodiphenylamine (mg/kg)	110			0.022 U	0.022 UJ	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
Pentachlorophenol (mg/kg)	1			0.022 UJ	0.0022 U	0.0021 U	0.0021 U	0.0024 U	0.0022 U	0.0025 U	0.0023 U	0.00096 J	0.0021 U	0.0024 U	0.0022 U	0.0022 U	0.026 UJ	0.022 UJ	0.024 UJ
Phenol (mg/kg)	1,900			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
2,4-Dinitrotoluene (mg/kg)	1.7																		
2,6-Dinitrotoluene (mg/kg)	0.36																		
2-Methylnaphthalene (mg/kg)	24			0.047	0.0011 U	0.001 U	0.001 U	0.0012 U	0.0006 J	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	BGW-RE-GP-01 9/3/13 (0-1.5ft)	BGW-RE-HA-01 9/4/13 (5-6.5ft)	MP01 5/14/08 (3.5-5ft)	MP01 5/14/08 (8.5-10ft)	MP01 5/14/08 (13.5-15ft)	MP01 5/14/08 (18.5-20ft)	MP01 5/14/08 (23.5-25ft)	MP01 5/14/08 (28.5-30ft)	MP01 5/14/08 (33.5-35ft)	MP02 5/19/08 (3.5-5ft)	MP02 5/19/08 (8.5-10ft)	MP02 5/19/08 (13.5-15ft)	MP02 5/19/08 (18.5-20ft)	MP02 5/19/08 (23.5-25ft)	MP02 5/19/08 (28.5-30ft)	MP03 5/19/08 (3.5-5ft)	MP03 5/19/08 (8.5-10ft)	MP03 5/19/08 (18.5-20ft)
Volatile Organic Compounds (VOC)																			
1,1,1,2-Tetrachloroethane (mg/kg)	2			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,1,1-Trichloroethane (mg/kg)	810			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,1,2 - Trichlorotrifluoroethane (mg/kg)	4,000			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,1,2,2-Tetrachloroethane (mg/kg)	0.6			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,1,2-Trichloroethane (mg/kg)	0.15			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,1-Dichloroethane (mg/kg)	3.6			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,1-Dichloroethene (mg/kg)	23			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U			0.0011 U
1,1-Dichloropropene (mg/kg)																			
1,2,3-Trichlorobenzene (mg/kg)	6.3			0.0072 U	0.0064 U	0.0071 U	0.0063 U	0.0063 U	0.0055 U	0.0065 U	0.0057 U	0.0062 U	0.0068 U	0.0064 U	0.0057 U	0.0057 U	0.0013 U	0.00091 U	0.0011 U
1,2,3-Trichloropropane (mg/kg)	0.0051			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,2,4-Trichlorobenzene (mg/kg)	5.8			0.0072 U	0.0064 U	0.0071 U	0.0063 U	0.0063 U	0.0055 U	0.0065 U	0.0057 U	0.0062 U	0.0068 U	0.0064 U	0.0057 U	0.0057 U	0.0013 U	0.00091 U	0.0011 U
1,2,4-Trimethylbenzene (mg/kg)	5.8			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
1,2-Dibromo-3-chloropropane (mg/kg)	0.0053			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,2-Dibromoethane (EDB) (mg/kg)	0.036			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,2-Dichlorobenzene (mg/kg)	180			0.0014 U		0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,2-Dichloroethane (EDC) (mg/kg)	0.46			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,2-Dichloropropane (mg/kg)	1			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U		0.0011 U
1,3,5-Trimethylbenzene (mg/kg)	78			0.022 U	0.022 U	0.022 U	0.021 U	0.024 U	0.022 U	0.025 U	0.023 U	0.023 U	0.022 U	0.024 U	0.022 U	0.022 U	0.026 U	0.022 U	0.025 U
1,3-Dichlorobenzene (mg/kg)				0.0014 U	0.0013 U														
1,3-Dichloropropane (mg/kg)	160																		
1,4-Dichlorobenzene (mg/kg)	2.6			0.0014 U	0.0013 U		0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
1,4-Difluorobenzene (mg/kg)																			
2,2-Dichloropropane (mg/kg)																			
2-Butanone (mg/kg)	2,700			0.0072 U	0.0064 U	0.0071 U	0.0063 U	0.0063 U	0.0055 U	0.0065 U	0.0057 U	0.0062 U	0.0068 U	0.0064 U	0.0057 U	0.0057 U	0.0063 U	0.0046 U	0.0054 U
2-Chlorotoluene (mg/kg)	160																		
2-Hexanone (mg/kg)	20			0.0072 UJ	0.0064 UJ	0.0071 UJ	0.0063 UJ	0.0063 UJ	0.0055 UJ	0.0065 UJ	0.0057 U	0.0062 U	0.0068 U	0.0064 U	0.0057 U	0.0057 U	0.0063 UJ	0.0046 UJ	0.0054 Uj
4-Chlorotoluene (mg/kg)	160																		
4-Methyl-2-pentanone (mg/kg)	3,300			0.0072 U	0.0064 U	0.0071 U	0.0063 U	0.0063 U	0.0055 U	0.0065 U	0.0057 U	0.0062 U	0.0068 U	0.0064 U	0.0057 U	0.0057 U	0.0063 U	0.0046 U	0.0054 U
Acetone (mg/kg)	6,100			0.026	0.011	0.0071 U	0.0063 U	0.021	0.0095	0.02	0.0057 U	0.0062 U	0.0068 U	0.017	0.016	0.016	0.0063 U	0.0046 U	0.0065
Benzene (mg/kg)	1.2			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 UJ
Bromobenzene (mg/kg)	29																		
Bromochloromethane (mg/kg)	15			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Bromodichloromethane (mg/kg)	0.29			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Bromoform (mg/kg)	19			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Bromomethane (mg/kg)	0.68			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	
Carbon disulfide (mg/kg)	77			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Carbon tetrachloride (mg/kg)	0.65			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Chlorobenzene (mg/kg)	28			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Chlorobenzene-d5 (mg/kg)																			
Chloroethane (mg/kg)	1,400			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Chloroform (mg/kg)	0.32			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Chloromethane (mg/kg)	11			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
cis-1,2-Dichloroethene (DCE) (mg/kg)	16			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
cis-1,3-Dichloropropene (mg/kg)				0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Cyclohexane (mg/kg)	650			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Dibromochloromethane (mg/kg)	8.3			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Dibromomethane (mg/kg)	2.4																		
Dichlorodifluoromethane (mg/kg)	8.7			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Ethylbenzene (mg/kg)	5.8			0.0014 U	0.0013 U	0.0067	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 UJ
Hexachlorobutadiene (mg/kg)	1.2			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Hexachloroethane (mg/kg)	1.8			0.0029 U	0.0026 U	0.0029 U													
Isopropylbenzene (mg/kg)	190			0.0014 U	0.0013 U	0.0017	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 UJ
Methyl acetate (mg/kg)	7,800			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Methyl tert-butyl ether (MTBE) (mg/kg)	47			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Methylcyclohexane (mg/kg)				0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Methylene chloride (mg/kg)	35			0.00069 J	0.00058 J	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0028	0.0027	0.0016	0.0017	0.0013	0.0011 J	0.0013 U	0.00091 U	0.0011 U
n-Butylbenzene (mg/kg)	390																		
n-Hexane (mg/kg)	61																		
n-Propylbenzene (mg/kg)	380																		
Pentafluorobenzene (mg/kg)																			
p-Isopropyltoluene (mg/kg)																			
sec-Butylbenzene (mg/kg)	780																		
Styrene (mg/kg)	600			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 UJ

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	BGW-RE-GP-01 9/3/13 (0-1.5ft)	BGW-RE-HA-01 9/4/13 (5-6.5ft)	MP01 5/14/08 (3.5-5ft)	MP01 5/14/08 (8.5-10ft)	MP01 5/14/08 (13.5-15ft)	MP01 5/14/08 (18.5-20ft)	MP01 5/14/08 (23.5-25ft)	MP01 5/14/08 (28.5-30ft)	MP01 5/14/08 (33.5-35ft)	MP02 5/19/08 (3.5-5ft)	MP02 5/19/08 (8.5-10ft)	MP02 5/19/08 (13.5-15ft)	MP02 5/19/08 (18.5-20ft)	MP02 5/19/08 (23.5-25ft)	MP02 5/19/08 (28.5-30ft)	MP03 5/19/08 (3.5-5ft)	MP03 5/19/08 (8.5-10ft)	MP03 5/19/08 (18.5-20ft)
tert-Butylbenzene (mg/kg)	780																		
Tetrachloroethene (PCE) (mg/kg)	8.1			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 UJ
Toluene (mg/kg)	490			0.0014 J	0.00038 J	0.00078 J	0.00046 J	0.0012 J	0.00048 J	0.00078 J	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00026 J	0.00099 J
trans-1,2-Dichloroethene (mg/kg)	160			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
trans-1,3-Dichloropropene (mg/kg)				0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Trichloroethene (TCE) (mg/kg)	0.41			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 UJ
Trichlorofluoromethane (mg/kg)	2,300			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
Vinyl chloride (mg/kg)	0.059			0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 U
m,p-Xylenes (mg/kg)				0.0014 U	0.0013 U	0.043	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 UJ
o-Xylene (mg/kg)	65			0.0014 U	0.0013 U	0.011	0.0013 U	0.0013 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0014 U	0.0013 U	0.0011 U	0.0011 U	0.0013 U	0.00091 U	0.0011 UJ
Xylenes (total) (mg/kg)	58																		
Polychlorinated Biphenyls (PCBs)																			
Aroclor 1016 (mg/kg)	0.41																		
Aroclor 1221 (mg/kg)	0.2																		
Aroclor 1232 (mg/kg)	0.17																		
Aroclor 1242 (mg/kg)	0.23																		
Aroclor 1248 (mg/kg)	0.23																		
Aroclor 1254 (mg/kg)	0.12																		
Aroclor 1260 (mg/kg)	0.24																		
Aroclor 1262 (mg/kg)																			
Aroclor 1268 (mg/kg)																			

Notes

Concentrations in shaded cells indicate value exceeds Soil PRG.
Where a sample has multiple results for a given analyte (tested for in multiple methods) the highest detected value is shown. Where all results were non-detects, the result with the lowest detection limit is shown.
J = Analyte was positively identified. The reported result is an estimate.
JQ = Approximate value due to quality control problems.
PRG = preliminary remediation goal
QP = Hydrocarbon result partly due to individual peak(s) in quantitation range.
U = Analyte was not detected at or above the reported result.
UJ = Analyte was not detected at or above the reported estimate

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	MP04 5/13/08 (3.5-5ft)	MP04 5/13/08 (8.5-10ft)	MP04 5/13/08 (13.5-15ft)	MP04 5/13/08 (18.5-20ft)	MP04 5/13/08 (25-26.5ft)	MP04 5/12/08 (35-37.5ft)	MP04 5/13/08 (35-37.5ft)	MP04 5/13/08 (38.5-40ft)	MW-1 5/21/07 (5-6.5ft)	MW-1 5/21/07 (35-36.5ft)	MW-2 5/21/07 (10-11.5ft)	MW-2 5/21/07 (40-41.5ft)	MW-3 5/22/07 (5-6.5ft)	MW-3 5/22/07 (25-26.5ft)	MW-4 5/23/07 (15-16.5ft)	MW-4 5/23/07 (30-31.5ft)	MW-5 5/24/07 (10-11.5ft)	MW-5 5/24/07 (20-21.5ft)
Total Petroleum Hydrocarbons (TPH)																			
Gasoline Range Hydrocarbons (mg/kg)		5 JQ	7 U	6 U	6 U	6 U	12 U	6 U	6 U	13.2 U	10.3 U	21.9	12.3 U	645	10.8 U	185	635	5.62 U	5.69 U
Diesel Range Hydrocarbons (mg/kg)			25 U	25 U	25 U	25 U	25 U	25 U	25 U	13.2 U	12.1 U	617	12.3 U	6,710 QP	10.7 U	2,960 QP	4,370	402 QP	11.6 U
Oil Range Hydrocarbons (mg/kg)			50 U	50 U	50 U	50 U	50 U	50 U	50 U	32.9 U	30.3 U	965	30.7 U	2,250 QP	26.6 U	412	274 U	232 QP	29.0 U
Metals																			
Aluminum (mg/kg)	7,700	13,400 J	8,050 J	16,500 J	8,950 J	20,300 J	7,900		6,370										
Antimony (mg/kg)	0.27						6.8 UJ		7.1 UJ	1.98 U	1.82 U	1.69 U	1.84 U	1.80 U	1.62 U	1.63 U	1.53 U	1.86 U	1.53 U
Arsenic (mg/kg)	0.68	1.5	0.8	2	1	3.6	0.6		0.7	3.49	1.35	3.18	0.797	48.4	1.27	2.58	4.80	3.81	0.833
Barium (mg/kg)	330	57.4 J	34.7 J	83.1 J	35.7 J	91.2 J	27.3		23.9										
Beryllium (mg/kg)	16	0.3 JQ	0.2 JQ	0.4 JQ	0.2 JQ	0.4 JQ	0.2 JQ		0.1 JQ	0.661 U	0.607 U	0.563 U	0.613 U	0.600 U	0.540 U	0.544 U	0.509 U	0.620 U	0.511 U
Cadmium (mg/kg)	0.36	0.5 JQ	0.2 JQ	0.7	0.3 JQ	0.9	0.2 JQ		0.2 JQ	0.661 U	0.607 U	0.563 U	0.613 U	0.600 U	0.540 U	0.544 U	0.509 U	0.620 U	0.511 U
Calcium (mg/kg)		4,070	3,050	6,730	2,740	6,740	3,770		2,960										
Chromium (Total) (mg/kg)	26	26.6	21.6	42.6	19.2	48.4	21.7 J		14.6 J	39.5	19.8	35.0	24.7	26.3	23.9	31.8	46.5	33.1	26.3
Chromium (VI) (mg/kg)	0.3									1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.0 U	1.1 U	1.2 U
Cobalt (mg/kg)	2.3	9.2	5.5	13.3	5.5 JQ	19	5.8		4.9 JQ										
Copper (mg/kg)	28	16.9	11.2	33.4	11.8	43.1	12.2		11.7	24.8	8.01	18.4	10.1	37.8	11.0	23.3	22.0	79.1	11.1
Iron (mg/kg)	5,500	17,800 J	11,200 J	27,100 J	11,700 J	31,700 J	12,600		10,100										
Lead (mg/kg)	11	2.4 J	0.6 JQ	3.6 J	0.8 JQ	4.5 J	0.7 JQ		1.2 U	3.86	1.58	41.3	1.34	87.0	1.54	13.9	2.12	131	1.44
Magnesium (mg/kg)		4,930 J	3,960 J	8,530 J	4,100 J	9,430 J	4,580		3,650										
Manganese (mg/kg)	180	375 J	197 J	530 J	208 J	597 J	217		179										
Mercury (mg/kg)	1.1	0.1 U	0.1 U	0.1 JQ	0.1 U	0.1 JQ	0.1 U		0.1 U	0.134 U	0.111 U	0.107 U	0.131 U	0.129 U	0.0976 U	0.101 U	0.0937 U	1.62	0.0941 U
Nickel (mg/kg)	38	36.8 J	32.5 J	50.8 J	31 J	66.3 J	28.4		21.2	48.3	32.5	40.6	32.0	37.5	36.2	38.1	44.6	61.1	34.6
Potassium (mg/kg)		531 JQ	371 JQ	1,110	400 JQ	1,240	372 JQ		344 JQ										
Selenium (mg/kg)	0.52	4 U	3.8 U	4.2 U	3.9 U	4.4 U	4 U		4.1 U	0.661 U	0.607 U	0.563 U	0.613 U	0.600 U	0.540 U	0.544 U	0.509 U	0.620 U	0.511 U
Silver (mg/kg)	4.2	1.1 U	1.1 U	1.2 U	1.1 U	1.3 U	1.1 U		1.2 U	0.661 U	0.607 U	0.563 U	0.613 U	0.600 U	0.540 U	0.544 U	0.509 U	0.620 U	0.511 U
Sodium (mg/kg)		254 JQ	182 JQ	417 JQ	144 JQ	303 JQ	209 JQ		230 JQ										
Thallium (mg/kg)	0.078	3	1.8 JQ	4.3	1.9 JQ	4.5	2.4 JQ		1.6 JQ	0.661 U	0.607 U	0.563 U	0.613 U	0.600 U	0.540 U	0.544 U	0.509 U	0.620 U	0.511 U
Vanadium (mg/kg)	7.8	40.2	25.3	61.2	24.9	69.3	27.7		23.6										
Zinc (mg/kg)	46	35.1 J	22.3 J	53.7 J	23.1 J	68.2 J	28.6		19.3	61.7	23.9	44.3	24.7	166	24.9	67.2	34.8	204	27.0
Organometallics																			
Tributyltin (mg/kg)	2.3									0.00074 U	0.0008 U			0.00079 U	0.00069 U	0.0014 U	0.0014 U	0.0016 U	0.0015 U
Conventional Chemistry Parameters																			
Dry Weight (Percent)										75.7	82.4	88.8	81.6	83.3	92.6	87.5	91.0	80.6	86.6
Total Organic Carbon (Percent)																			
Total Solids (Percent)										75.7	82.4	88.8	81.6	83.3	92.6	87.5	91.0		
Polycyclic Aromatic Hydrocarbons (PAHs)																			
Acenaphthene (mg/kg)	360	0.0076	0.0011 U	3.4 J	0.0011 U	0.0012 J	0.0015		0.0011 U	0.0132 U	0.0120 U	0.671	0.0123 U	18.5	0.0108	7.31	22.0	0.612 U	0.0205
Acenaphthylene (mg/kg)		0.0018	0.0011 U	0.88 J	0.0011 U	0.0011 J	0.0019		0.0011 U	0.0132 U	0.0120 U	4.36	0.0123 U	233	0.0151	5.16	1.49	4.52	0.0114 U
Anthracene (mg/kg)	1,800	0.0056	0.0011 U	0.33	0.0011 U	0.0014	0.0012		0.0011 U	0.0132 U	0.0120 U	2.36	0.0123 U	274	0.0108 U	29.9	13.0	11.1	0.0198
Benzo(g,h,i)perylene (mg/kg)		0.0028	0.0017	0.89	0.0013	0.0029	0.0027		0.0014	0.0132 U	0.0120 U	10.6	0.0123 U	31.9	0.0108 U	9.03	4.04	14.6	0.0114 U
Benzo(j)fluoranthene (mg/kg)																			
Dibenzofuran (mg/kg)	7.3	0.023 U	0.023 U	0.31 J	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Fluoranthene (mg/kg)	240	0.0091	0.0011 U	2.9 J	0.0011 U	0.0036	0.0028		0.0011 U	0.0132 U	0.0120 U	15.0	0.0123 U	176	0.0108 U	56.2	23.6	68.3	0.0122
Fluorene (mg/kg)	240	0.005	0.0011 U	2 J	0.0011 U	0.0012 J	0.0013		0.0011 U	0.0132 U	0.0120 U	1.27	0.0123 U	182	0.0130	23.8	15.7	4.57	0.0114 U
Phenanthrene (mg/kg)		0.021	0.00083 J	13 J	0.00061 J	0.0053	0.004		0.0011 U	0.0132 U	0.0120 U	9.16	0.0123 U	480	0.0122	114	55.2	59.7	0.0843
Pyrene (mg/kg)	180	0.016	3.6 J	0.65	0.0011 U	0.0048	0.0039		0.0011 U	0.0132 U	0.0120 U	27.3	0.0123 U	192	0.0108 U	93.8	34.0	95.7	0.0137
1-Methylnaphthalene (mg/kg)	18									0.0132 U	0.0120 U	1.23	0.0123 U	236	0.0144	21.2	51.8	0.979	0.0228
2-Methylnaphthalene (mg/kg)	24									0.0132 U	0.0120 U	2.96	0.0123 U	404	0.0158	35.1	91.0	1.63	0.0114 U
Naphthalene (mg/kg)	3.8	270	0.00095 J	17 J	0.001 J	0.013 J	0.005		0.0011 U	0.00607 U	0.00552 U	4.62	0.00576 U	708	0.0360	63.9	79.8	2.08	0.0319
Benz(a)anthracene (mg/kg)	0.16	0.0041	0.0011 U	0.35 J	0.0011 U	0.0022	0.0011 J		0.0011 U	0.0132 U	0.0120 U	5.44	0.0123 U	59.7	0.0108 U	11.8	5.03	21.0	0.0114 U
Benzo(a)pyrene (mg/kg)	0.016	0.0041	0.001 J	1.7	0.00065 J	0.0025	0.0019		0.0011 U	0.0132 U	0.0120 U	11.5	0.0123 U	58.9	0.0108 U	11.9	6.81	16.7	0.0114 U
Benzo(b)fluoranthene (mg/kg)	0.16	0.0018 J	0.0011 UJ	0.64	0.0011 UJ	0.0014 J	0.00085 J		0.0011 U	0.0132 U	0.0120 U	6.94	0.0123 U	26.1	0.0108 U	5.93	2.62	12.5	0.0114 U
Benzo(k)fluoranthene (mg/kg)	1.6	0.0022 J	0.00056 J	0.67	0.0011 UJ	0.0016 J	0.001 J		0.0011 U	0.0176	0.0120 U	6.00	0.0123 U	34.9	0.0130	7.93	3.83	14.6	0.0129
Chrysene (mg/kg)	16	0.0052	0.00073 J	0.28 J	0.0011 U	0.003	0.0016		0.0011 U	0.0132 U	0.0120 U	9.17	0.0123 U	69.2	0.0108 U	13.7	6.66	28.9	0.0114 U
Dibenzo(a,h)anthracene (mg/kg)	0.016	0.0019	0.0014	0.24 J	0.0011	0.0026	0.0022		0.00096 J	0.0132 U	0.0120 U	2.09	0.0123 U	8.48	0.0108 U	2.35	1.28	4.37	0.0114 U
Indeno(1,2,3-cd)pyrene (mg/kg)	0.16	0.0026	0.0016	0.74	0.0013	0.0028	0.0025		0.001 J	0.0132 U	0.0120 U	6.49	0.0123 U	26.8	0.0108 U	6.31	2.91	11.1	0.0114 U
Total cPAHs TEQ (ND = 0) (mg/kg)	0.016	0.00541	0.00136	1.97	0.00089	0.00359	0.00268		0.000196 J	0.00176	ND	14.3	ND	75.2	0.0013	15.5	8.44	23.3	0.00129
Total cPAHs TEQ (ND = 1/2 RDL) (mg/kg)	0.016	0.00541	0.00147	1.97	0.00106	0.00359	0.00268		0.000917 J	0.0111	ND	14.3	ND	75.2	0.00891	15.5	8.44	23.3	0.00933

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	MP04 5/13/08 (3.5-5ft)	MP04 5/13/08 (8.5-10ft)	MP04 5/13/08 (13.5-15ft)	MP04 5/13/08 (18.5-20ft)	MP04 5/13/08 (25-26.5ft)	MP04 5/12/08 (35-37.5ft)	MP04 5/13/08 (35-37.5ft)	MP04 5/13/08 (38.5-40ft)	MW-1 5/21/07 (5-6.5ft)	MW-1 5/21/07 (35-36.5ft)	MW-2 5/21/07 (10-11.5ft)	MW-2 5/21/07 (40-41.5ft)	MW-3 5/22/07 (5-6.5ft)	MW-3 5/22/07 (25-26.5ft)	MW-4 5/23/07 (15-16.5ft)	MW-4 5/23/07 (30-31.5ft)	MW-5 5/24/07 (10-11.5ft)	MW-5 5/24/07 (20-21.5ft)
Other (Non-PAH) Semivolatiles																			
1,1'-Biphenyl (mg/kg)	4.7	0.023 U	0.023 U	0.3 J	0.022 U	0.025 U	0.024 U		0.023 U										
1,2,4,5-Tetrachlorobenzene (mg/kg)	2.3	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U										
1,2-Dichlorobenzene (mg/kg)	180																		
1,3-Dichlorobenzene (mg/kg)		0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U										
1,4-Dichlorobenzene (mg/kg)	2.6																		
1,4-Dioxane (mg/kg)	5.3	0.1 U	0.15 U	0.12 U	0.13 U	0.12 U	0.12 U		0.13 U										
2,3,4,6-Tetrachlorophenol (mg/kg)	190	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U										
2,4,5-Trichlorophenol (mg/kg)	630	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
2,4,6-Trichlorophenol (mg/kg)	6.3	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
2,4-Dichlorophenol (mg/kg)	19	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
2,4-Dimethylphenol (mg/kg)	130	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
2,4-Dinitrophenol (mg/kg)	13	0.11 UJ	0.11 UJ	0.12 UJ	0.11 UJ	0.12 UJ	0.12 UJ		0.11 UJ	0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
2-Chloronaphthalene (mg/kg)	480	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
2-Chlorophenol (mg/kg)	39	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
2-Methylphenol (mg/kg)	320									0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
2-Nitroaniline (mg/kg)	63	0.046 U	0.045 U	0.048 U	0.045 U	0.05 U	0.047 U		0.047 U	0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
2-Nitrophenol (mg/kg)		0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
3 & 4 Methylphenol (mg/kg)										0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
3,3'-Dichlorobenzidine (mg/kg)	1.2	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	6.61 U	5.99 U	28.0 U	6.13 U	1,500 U	5.40 U	57.7 U	106 U	61.2 U	5.70 U
3-Nitroaniline (mg/kg)		0.046 U	0.045 U	0.048 U	0.045 U	0.05 U	0.047 U		0.047 U	0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
4,6-Dinitro-2-methylphenol (mg/kg)	0.51	0.046 U	0.045 U	0.048 U	0.045 U	0.05 U	0.047 U		0.047 U	0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
4-Bromophenyl phenyl ether (mg/kg)		0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
4-Chloro-3-methylphenol (mg/kg)	630	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
4-Chloroaniline (mg/kg)	2.7	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
4-Chlorophenyl phenyl ether (mg/kg)		0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
4-Methylphenol (mg/kg)	630	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U										
4-Nitroaniline (mg/kg)	25	0.046 U	0.045 U	0.048 U	0.045 U	0.05 U	0.047 U		0.047 U	0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
4-Nitrophenol (mg/kg)		0.046 U	0.045 U	0.048 U	0.045 U	0.05 U	0.047 U		0.047 U	0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
Acenaphthene (mg/kg)	360																		
Acetophenone (mg/kg)		0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U										
Aniline (mg/kg)	44									0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Atrazine (mg/kg)		0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U										
Benzaldehyde (mg/kg)		0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U										
Benzidine (mg/kg)	0.00053	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U										
Benzoic acid (mg/kg)	25,000									1.32 U	1.20 U	5.59 U	1.23 U	299 U	1.08 U	11.5 U	21.3 U	12.2 U	1.14 U
Benzyl alcohol (mg/kg)	630									0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Benzyl butyl phthalate (mg/kg)	290	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Bis(2-chloro-1-methylethyl) ether (mg/kg)	310	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Bis(2-chloroethoxy)methane (mg/kg)	19	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Bis(2-chloroethyl) ether (mg/kg)	0.23	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Bis(2-ethylhexyl) phthalate (mg/kg)	39	0.1	0.1	0.024 U	0.082	0.24	0.069		0.16	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Caprolactam (mg/kg)		0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U										
Carbazole (mg/kg)		0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Dibenzofuran (mg/kg)	7.3																		
Diethyl phthalate (mg/kg)	5,100	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Dimethyl phthalate (mg/kg)		0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Di-n-butyl phthalate (mg/kg)	630	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Di-n-octyl phthalate (mg/kg)	63	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Hexachlorobenzene (mg/kg)	0.21	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Hexachlorobutadiene (mg/kg)	1.2																		
Hexachlorocyclopentadiene (mg/kg)	0.18	0.057 UJ	0.057 UJ	0.06 UJ	0.056 UJ	0.062 UJ	0.059 UJ		0.059 UJ	0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
Hexachloroethane (mg/kg)	1.8	0.002 U	0.003 U	0.0024 U	0.0026 U	0.0024 U	0.0024 U		0.0026 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Isophorone (mg/kg)	570	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Nitrobenzene (mg/kg)	5.1									0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
N-Nitrosodimethylamine (mg/kg)	0.002	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U										
N-Nitroso-di-n-propylamine (mg/kg)	0.078	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
N-Nitrosodiphenylamine (mg/kg)	110	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
Pentachlorophenol (mg/kg)	1	0.0023 U	0.0022 U	0.024 U	0.0022 U	0.0036	0.0023 U		0.00081 J	0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
Phenol (mg/kg)	1,900	0.023 U	0.023 U	0.024 U	0.022 U	0.025 U	0.024 U		0.023 U	0.436 U	0.395 U	1.85 U	0.404 U	98.7 U	0.356 U	3.81 U	7.02 U	4.04 U	0.376 U
2,4-Dinitrotoluene (mg/kg)	1.7									0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
2,6-Dinitrotoluene (mg/kg)	0.36									0.661 U	0.599 U	2.80 U	0.613 U	150 U	0.540 U	5.77 U	10.6 U	6.12 U	0.570 U
2-Methylnaphthalene (mg/kg)	24	0.0054	0.0011 U	11 J	0.0011 U	0.0053	0.0023		0.0011 U										

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	MP04 5/13/08 (3.5-5ft)	MP04 5/13/08 (8.5-10ft)	MP04 5/13/08 (13.5-15ft)	MP04 5/13/08 (18.5-20ft)	MP04 5/13/08 (25-26.5ft)	MP04 5/12/08 (35-37.5ft)	MP04 5/13/08 (35-37.5ft)	MP04 5/13/08 (38.5-40ft)	MW-1 5/21/07 (5-6.5ft)	MW-1 5/21/07 (35-36.5ft)	MW-2 5/21/07 (10-11.5ft)	MW-2 5/21/07 (40-41.5ft)	MW-3 5/22/07 (5-6.5ft)	MW-3 5/22/07 (25-26.5ft)	MW-4 5/23/07 (15-16.5ft)	MW-4 5/23/07 (30-31.5ft)	MW-5 5/24/07 (10-11.5ft)	MW-5 5/24/07 (20-21.5ft)
Volatile Organic Compounds (VOC)																			
1,1,1,2-Tetrachloroethane (mg/kg)	2	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
1,1,1-Trichloroethane (mg/kg)	810	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00152 U	0.00138 U	0.101 U	0.00144 U	0.553 U	0.00145 U	0.417 U	0.0833 U	0.112 U	0.0014 U
1,1,2 - Trichlorotrifluoroethane (mg/kg)	4,000	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U										
1,1,2,2-Tetrachloroethane (mg/kg)	0.6	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
1,1,2-Trichloroethane (mg/kg)	0.15	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.000759 U	0.00069 U	0.101 U	0.00072 U	0.553 U	0.000725 U	0.417 U	0.0833 U	0.112 U	0.0007 U
1,1-Dichloroethane (mg/kg)	3.6	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00121 U	0.0011 U	0.101 U	0.00115 U	0.553 U	0.00116 U	0.417 U	0.0833 U	0.112 U	0.00112 U
1,1-Dichloroethene (mg/kg)	23	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00182 U	0.00165 U	0.101 U	0.00173 U	0.553 U	0.00174 U	0.417 U	0.0833 U	0.112 U	0.00168 U
1,1-Dichloropropene (mg/kg)										0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
1,2,3-Trichlorobenzene (mg/kg)	6.3	0.005 U	0.0075 U	0.006 U	0.0065 U	0.00013 J	0.0061 U		0.0064 U	0.00607 U	0.00552 U	0.504 U	0.00576 U	2.77 U	0.0058 U	2.09 U	0.416 U	0.562 U	0.0056 U
1,2,3-Trichloropropane (mg/kg)	0.0051	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
1,2,4-Trichlorobenzene (mg/kg)	5.8	0.005 U	0.0075 U	0.006 U	0.0065 U	0.00014 J	0.0061 U		0.0064 U	0.00607 U	0.00552 U	0.504 U	0.00576 U	2.77 U	0.0058 U	2.09 U	0.416 U	0.562 U	0.0056 U
1,2,4-Trimethylbenzene (mg/kg)	5.8	0.023 U	0.023 U	0.042	0.022 U	0.025 U	0.024 U		0.023 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	6.70	0.0029 U	1.92	8.31	0.112 U	0.0028 U
1,2-Dibromo-3-chloropropane (mg/kg)	0.0053	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00607 U	0.00552 U	0.504 U	0.00576 U	2.77 U	0.0058 U	2.09 U	0.416 U	0.562 U	0.0056 U
1,2-Dibromoethane (EDB) (mg/kg)	0.036	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
1,2-Dichlorobenzene (mg/kg)	180	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
1,2-Dichloroethane (EDC) (mg/kg)	0.46	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.000759 U	0.00069 U	0.101 U	0.00072 U	0.553 U	0.000725 U	0.417 U	0.0833 U	0.112 U	0.0007 U
1,2-Dichloropropane (mg/kg)	1	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
1,3,5-Trimethylbenzene (mg/kg)	78	0.023 U	0.023 U	0.14	0.022 U	0.025 U	0.024 U		0.023 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	2.41	0.0029 U	0.426	0.0833 U	0.112 U	0.0028 U
1,3-Dichlorobenzene (mg/kg)										0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
1,3-Dichloropropane (mg/kg)	160									0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
1,4-Dichlorobenzene (mg/kg)	2.6	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
1,4-Difluorobenzene (mg/kg)												2.00							
2,2-Dichloropropane (mg/kg)										0.00607 U	0.00552 U	0.101 U	0.00576 U	0.553 U	0.0058 U	0.417 U	0.0833 U	0.112 U	0.0056 U
2-Butanone (mg/kg)	2,700	0.005 U	0.0075 U	0.006 U	0.0065 U	0.0061 U	0.0061 U		0.0064 U	0.00911 U	0.00827 U	1.01 U	0.00864 U	5.53 U	0.0087 U	4.17 U	0.833 U	1.12 U	0.0084 U
2-Chlorotoluene (mg/kg)	160									0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
2-Hexanone (mg/kg)	20	0.005 UJ	0.0075 UJ	0.006 UJ	0.0065 UJ	0.0061 UJ	0.0061 UJ		0.0064 UJ	0.0121 U	0.011 U	1.01 U	0.0115 U	5.53 U	0.0116 U	4.17 U	0.833 U	1.12 U	0.0112 U
4-Chlorotoluene (mg/kg)	160									0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
4-Methyl-2-pentanone (mg/kg)	3,300	0.005 U	0.0075 U	0.006 U	0.0065 U	0.0061 U	0.0061 U		0.0064 U	0.0121 U	0.011 U	1.01 U	0.0115 U	5.53 U	0.0116 U	4.17 U	0.833 U	1.12 U	0.0112 U
Acetone (mg/kg)	6,100	0.028	0.013	0.006 U	0.0097	0.0061 U	0.016		0.018	0.0182 U	0.0165 U	1.01 U	0.0173 U	5.53 U	0.0233	4.17 U	0.833 U	1.12 U	0.0168 U
Benzene (mg/kg)	1.2	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.000911 U	0.000827 U	0.139	0.000864 U	1.93	0.00087 U	0.417 U	0.0167 U	0.0416	0.00779
Bromobenzene (mg/kg)	29									0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Bromochloromethane (mg/kg)	15	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Bromodichloromethane (mg/kg)	0.29	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Bromoform (mg/kg)	19	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Bromomethane (mg/kg)	0.68	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00607 U	0.00552 U	0.101 U	0.00576 U	0.553 U	0.0058 U	0.417 U	0.0833 U	0.112 U	0.0056 U
Carbon disulfide (mg/kg)	77	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00182 U	0.00165 U	0.101 U	0.00173 U	0.553 U	0.00174 U	0.417 U	0.0833 U	0.112 U	0.00168 U
Carbon tetrachloride (mg/kg)	0.65	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Chlorobenzene (mg/kg)	28	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00121 U	0.0011 U	0.101 U	0.00115 U	0.553 U	0.00116 U	0.417 U	0.0833 U	0.112 U	0.00112 U
Chlorobenzene-d5 (mg/kg)												2.00							
Chloroethane (mg/kg)	1,400	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Chloroform (mg/kg)	0.32	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00152 U	0.00138 U	0.101 U	0.00144 U	0.553 U	0.00145 U	0.417 U	0.0833 U	0.112 U	0.0014 U
Chloromethane (mg/kg)	11	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00607 U	0.00552 U	0.504 U	0.00576 U	2.77 U	0.0058 U	2.09 U	0.416 U	0.562 U	0.0056 U
cis-1,2-Dichloroethene (DCE) (mg/kg)	16	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00182 U	0.00165 U	0.101 U	0.00173 U	0.553 U	0.00174 U	0.417 U	0.0833 U	0.112 U	0.00168 U
cis-1,3-Dichloropropene (mg/kg)		0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Cyclohexane (mg/kg)	650	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U										
Dibromochloromethane (mg/kg)	8.3	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Dibromomethane (mg/kg)	2.4									0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Dichlorodifluoromethane (mg/kg)	8.7	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Ethylbenzene (mg/kg)	5.8	0.086 J	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00243 U	0.00221 U	0.295	0.0023 U	3.29	0.00232 U	0.893	1.80	0.112 U	0.011
Hexachlorobutadiene (mg/kg)	1.2	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00607 U	0.00552 U	0.504 U	0.00576 U	2.77 U	0.0058 U	2.09 U	0.416 U	0.562 U	0.0056 U
Hexachloroethane (mg/kg)	1.8																		
Isopropylbenzene (mg/kg)	190	0.0078	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.600	0.112 U	0.0028 U
Methyl acetate (mg/kg)	7,800	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U										
Methyl tert-butyl ether (MTBE) (mg/kg)	47	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.000607 U	0.000552 U	0.504 U	0.000576 U	2.77 U	0.00058 U	2.09 U	0.416 U	0.562 U	0.00056 U
Methylcyclohexane (mg/kg)		0.0038	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U										
Methylene chloride (mg/kg)	35	0.001 U	0.0015 U	0.00059 J	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00212 U	0.0108	1.01 U	0.00202 U	5.53 U	0.00203 U	4.17 U	0.833 U	1.12 U	0.00196 U
n-Butylbenzene (mg/kg)	390									0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	1.96	0.112 U	0.0028 U
n-Hexane (mg/kg)	61									0.00121 U	0.00121	1.01 U	0.00115 U	5.53 U	0.00116 U	4.17 U	0.833 U	1.12 U	0.00112 U
n-Propylbenzene (mg/kg)	380									0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.952	0.112 U	0.0028 U
Pentafluorobenzene (mg/kg)												2.00						2.00	0.04
p-Isopropyltoluene (mg/kg)										0.00304 U	0.00276 U	0.101 U	0.00288 U	0.808	0.0029 U	0.493	1.49	0.112 U	0.0028 U
sec-Butylbenzene (mg/kg)	780									0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.748	0.112 U	0.0028 U
Styrene (mg/kg)	600	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.000607 U	0.000552 U	0.101 U	0.000576 U	0.553 U	0.00058 U	0.417 U	0.0833 U	0.112 U	0.00056 U

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	MP04 5/13/08 (3.5-5ft)	MP04 5/13/08 (8.5-10ft)	MP04 5/13/08 (13.5-15ft)	MP04 5/13/08 (18.5-20ft)	MP04 5/13/08 (25-26.5ft)	MP04 5/12/08 (35-37.5ft)	MP04 5/13/08 (35-37.5ft)	MP04 5/13/08 (38.5-40ft)	MW-1 5/21/07 (5-6.5ft)	MW-1 5/21/07 (35-36.5ft)	MW-2 5/21/07 (10-11.5ft)	MW-2 5/21/07 (40-41.5ft)	MW-3 5/22/07 (5-6.5ft)	MW-3 5/22/07 (25-26.5ft)	MW-4 5/23/07 (15-16.5ft)	MW-4 5/23/07 (30-31.5ft)	MW-5 5/24/07 (10-11.5ft)	MW-5 5/24/07 (20-21.5ft)
tert-Butylbenzene (mg/kg)	780									0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Tetrachloroethene (PCE) (mg/kg)	8.1	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00121 U	0.0011 U	0.101 U	0.00115 U	0.553 U	0.00116 U	0.417 U	0.0833 U	0.112 U	0.00112 U
Toluene (mg/kg)	490	0.0048	0.0015 U	0.0012 U	0.00047 J	0.0012 U	0.0012 U		0.0013 U	0.000911 U	0.000827 U	0.101 U	0.000864 U	1.41	0.00087 U	0.417 U	0.0833 U	0.143	0.00084 U
trans-1,2-Dichloroethene (mg/kg)	160	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00152 U	0.00138 U	0.101 U	0.00144 U	0.553 U	0.00145 U	0.417 U	0.0833 U	0.112 U	0.0014 U
trans-1,3-Dichloropropene (mg/kg)		0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.000759 U	0.00069 U	0.101 U	0.00072 U	0.553 U	0.000725 U	0.417 U	0.0833 U	0.112 U	0.0007 U
Trichloroethene (TCE) (mg/kg)	0.41	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00152 U	0.00147	0.101 U	0.00144 U	0.553 U	0.00145 U	0.417 U	0.0833 U	0.112 U	0.0014 U
Trichlorofluoromethane (mg/kg)	2,300	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U	0.101 U	0.00288 U	0.553 U	0.0029 U	0.417 U	0.0833 U	0.112 U	0.0028 U
Vinyl chloride (mg/kg)	0.059	0.001 U	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00152 U	0.00138 U	0.101 U	0.00144 U	0.553 U	0.00145 U	0.417 U	0.0833 U	0.112 U	0.0014 U
m,p-Xylenes (mg/kg)		0.072 J	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U		0.00288 U		0.0029 U				0.0028 U
o-Xylene (mg/kg)	65	0.094 J	0.0015 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U		0.0013 U	0.00304 U	0.00276 U		0.00288 U		0.0029 U				0.0028 U
Xylenes (total) (mg/kg)	58									0.00607 U	0.00552 U	0.353	0.00576 U	8.71	0.0058 U	1.51	2.60	0.337 U	0.0056 U
Polychlorinated Biphenyls (PCBs)																			
Aroclor 1016 (mg/kg)	0.41									0.0328 U	0.0304 U	0.0281 U	0.0308 U	0.0588 U	0.0273 U	0.0587 U	0.0553 U	0.0642 U	0.0289 U
Aroclor 1221 (mg/kg)	0.2									0.0656 U	0.0609 U	0.0561 U	0.0617 U	0.118 U	0.0545 U	0.117 U	0.111 U	0.128 U	0.0577 U
Aroclor 1232 (mg/kg)	0.17									0.0328 U	0.0304 U	0.0281 U	0.0308 U	0.0588 U	0.0273 U	0.0587 U	0.0553 U	0.0642 U	0.0289 U
Aroclor 1242 (mg/kg)	0.23									0.0328 U	0.0304 U	0.0281 U	0.0308 U	0.0588 U	0.0273 U	0.0587 U	0.0553 U	0.0642 U	0.0289 U
Aroclor 1248 (mg/kg)	0.23									0.0328 U	0.0304 U	0.0281 U	0.0308 U	0.0588 U	0.0273 U	0.0587 U	0.0553 U	0.0642 U	0.0289 U
Aroclor 1254 (mg/kg)	0.12									0.0328 U	0.0304 U	0.0281 U	0.0308 U	0.0588 U	0.0273 U	0.0587 U	0.0553 U	0.0642 U	0.0289 U
Aroclor 1260 (mg/kg)	0.24									0.0328 U	0.0304 U	0.0281 U	0.0308 U	0.0588 U	0.0273 U	0.0587 U	0.0553 U	0.0642 U	0.0289 U
Aroclor 1262 (mg/kg)										0.0328 U	0.0304 U	0.0281 U	0.0308 U	0.0588 U	0.0273 U	0.0587 U	0.0553 U	0.0642 U	0.0289 U
Aroclor 1268 (mg/kg)										0.0328 U	0.0304 U	0.0281 U	0.0308 U	0.0588 U	0.0273 U	0.0587 U	0.0553 U	0.0642 U	0.0289 U

Notes

Concentrations in shaded cells indicate value exceeds Soil PRG.
Where a sample has multiple results for a given analyte (tested for in multiple methods) the highest detected value is shown. Where all results were non-detects, the result with the lowest detection limit is shown.
J = Analyte was positively identified. The reported result is an estimate.
JQ = Approximate value due to quality control problems.
PRG = preliminary remediation goal
QP = Hydrocarbon result partly due to individual peak(s) in quantitation range.
U = Analyte was not detected at or above the reported result.
UJ = Analyte was not detected at or above the reported estimate

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	MW-6 5/22/07 (5-6.5ft)	MW-6 5/22/07 (10-11.5ft)	MW-6 5/22/07 (35-36.5ft)	MW-7 5/23/07 (5-6.5ft)	MW-7 5/23/07 (25-26.5ft)	MW-8 5/22/07 (10-11.5ft)	MW-8 5/22/07 (25-26.5ft)	SP01 5/12/08 (3.5-5ft)	SP01 5/12/08 (8.5-10ft)	SP01 5/12/08 (13.5-15ft)	SP01 5/12/08 (18.5-20ft)	SP02 5/12/08 (0-5ft)	SP02 5/12/08 (10-11.5ft)	SP02 5/12/08 (12.5-14ft)	SP02 5/12/08 (18.5-20ft)	SP02 5/12/08 (23.5-25ft)	SP02 5/12/08 (28.5-30ft)
Total Petroleum Hydrocarbons (TPH)																		
Gasoline Range Hydrocarbons (mg/kg)		11.5 U	541	9.16 U	10.6	216	11.8 U	11.9 U	5 U	6 U	5 U	5 U	6 U	6 U	7 U	6 U	6 U	6 U
Diesel Range Hydrocarbons (mg/kg)		11.4 U	3,770 QP	11.2 U	17.1 QP	30,200	11.6 U	336 QP	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Oil Range Hydrocarbons (mg/kg)		28.5 U	390 QP	28.1 U	30.6 U	2,900 U	29.0 U	138 QP	50 U	50 U	50 U	50 U	50 U	50 U	52	50 U	50 U	50 U
Metals																		
Aluminum (mg/kg)	7,700								16,500 J	10,700 J	8,370 J	20,500 J	24,100 J	20,600 J	20,100 J	20,800 J	7,280 J	7,380
Antimony (mg/kg)	0.27	1.64 U	1.58 U	1.82 U	1.84 U	1.81 U	1.77 U	1.69 U										7.3 UJ
Arsenic (mg/kg)	0.68	1.64	1.26	0.841	2.72	1.01	6.72	2.25	2.1	1.1	1.8	1.5	2	3.7	2.7	1.4		1.3
Barium (mg/kg)	330								70.4 J	44.6 J	43.4 J	88.6 J	120 J	103 J	100 J	95.6 J	34.4 J	28.5
Beryllium (mg/kg)	16	0.547 U	0.527 U	0.605 U	0.614 U	0.604 U	0.589 U	0.562 U	0.3 JQ	0.2 JQ	0.2 JQ	0.5 JQ	0.4 JQ	0.5 JQ	0.4 JQ	0.5 JQ	0.2 JQ	0.2 JQ
Cadmium (mg/kg)	0.36	0.547 U	0.527 U	0.605 U	0.614 U	0.604 U	0.966	0.562 U	0.5 JQ	0.4 JQ	0.3 JQ	0.9	0.7	0.9	0.9	1	0.2 JQ	0.2 JQ
Calcium (mg/kg)									3,490	3,740	3,270	6,940	3,180	6,400	6,310	7,290	3,180	3,640
Chromium (Total) (mg/kg)	26	33.1	19.9	24.8	40.1	25.2	36.0	39.4	33	26	29.1	50.9	43.1	51.8	48.7	60.8	20.1	18.9 J
Chromium (VI) (mg/kg)	0.3	1.1 U	1.1 U	1.0 U	1.2 U	1.0 U	1.0 U	1.1 U										
Cobalt (mg/kg)	2.3								9.2	7.8	9.1	15.7	11.1	17.3	15.7	16.9	5.6 JQ	5.4 JQ
Copper (mg/kg)	28	15.5	9.47	16.4	18.2	12.5	68.1	23.3	19.7	14.2	15	41.6	26.3	42.8	40.9	46.4	11.6	9.5
Iron (mg/kg)	5,500								18,400 J	15,100 J	13,800 J	29,600 J	24,800 J	34,300 J	32,800 J	32,400 J	11,700 J	11,100
Lead (mg/kg)	11	2.78	1.36	1.30	5.75	1.67	246	4.75	2.4 J	1.2 J	1.2 U	4.7 J	4.4 J	4.4 J	4.3 J	4.8 J	0.7 JQ	0.6 JQ
Magnesium (mg/kg)									5,120 J	4,580 J	4,430 J	9,510 J	5,720 J	8,930 J	8,710 J	11,400 J	5,050 J	4,600
Manganese (mg/kg)	180								289 J	276 J	341 J	421 J	307 J	627 J	557 J	449 J	192 J	170
Mercury (mg/kg)	1.1	0.113 U	0.104 U	0.111 U	0.111 U	0.0956 U	0.392	0.105 U	0.1 U	0.1 U	0.1 U	0.1 JQ	0.1 U	0.1 U	0.1 JQ	0.1 JQ	0.1 U	0.1 U
Nickel (mg/kg)	38	38.6	28.8	33.3	51.8	43.3	42.1	37.2	40.4 J	34.1 J	42.5 J	58.2 J	41.6 J	57.8 J	56.7 J	56 J	33.5 J	32.3
Potassium (mg/kg)									505 JQ	431 JQ	407 JQ	1,280	404 JQ	1,090	1,080	1,350	370 JQ	401 JQ
Selenium (mg/kg)	0.52	0.547 U	0.527 U	0.605 U	0.614 U	0.604 U	0.589 U	0.562 U	4.1 U	3.9 U	4.1 U	4.5 U	4.4 U	4.6 U	4.5 U	4.5 U	4.1 U	4.2 U
Silver (mg/kg)	4.2	0.547 U	0.527 U	0.605 U	0.614 U	0.604 U	0.589 U	0.562 U	1.2 U	1.1 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U
Sodium (mg/kg)									175 JQ	177 JQ	211 JQ	367 JQ	167 JQ	306 JQ	315 JQ	487 JQ	176 JQ	197 JQ
Thallium (mg/kg)	0.078	0.547 U	0.527 U	0.605 U	0.614 U	0.604 U	0.589 U	0.562 U	3.4	2.8	2.4 JQ	4.5	4.1	5	4.7	5	2.3 JQ	1.8 JQ
Vanadium (mg/kg)	7.8								44.7	35.4	31.5	69.9	62.6	85.3	75.1	86	24	25.4
Zinc (mg/kg)	46	30.5	22.7	31.7	48.1	26.2	291	48.0	34.3 J	29 J	26.2 J	69.2 J	55.9 J	66.4 J	63.9 J	72.3 J	34.7 J	22.3
Organometallics																		
Tributyltin (mg/kg)	2.3	0.00074 U	0.00072 U	0.0016 U	0.0016 U	0.0014 U	0.00072 U	0.00076 U										
Conventional Chemistry Parameters																		
Dry Weight (Percent)		87.0	94.0	87.9	82.3	87.2	84.9	83.9										
Total Organic Carbon (Percent)																		
Total Solids (Percent)		87.0	94.0	87.3	82.3	87.2	84.9	83.9										
Polycyclic Aromatic Hydrocarbons (PAHs)																		
Acenaphthene (mg/kg)	360	0.0230 U	31.2	0.114 U	0.243 U	0.566 U	0.969 U	1.48 U	0.0016 U	0.0011 U	0.0047 J	0.0012 U	0.0089	0.0013 U	0.0013 U	0.0013 U	0.0011 U	0.0012 U
Acenaphthylene (mg/kg)		0.0490	460	0.611	0.243 U	0.566 U	0.969 U	10.4	0.0016 U	0.0011 U	0.0012 UJ	0.0012 U	0.0018	0.0013 U	0.00091 J	0.0013 U	0.0011 U	0.0012 U
Anthracene (mg/kg)	1,800	0.0613	233	0.774	0.243 U	0.566 U	1.47	14.9	0.0016 U	0.0011 U	0.0041 J	0.0012 U	0.0067	0.0013 U	0.026 U	0.0013 U	0.0011 U	0.0012 U
Benzo(g,h,i)perylene (mg/kg)		0.0398	79.0	0.159	1.98	0.604	0.969 U	39.5	0.0022	0.0017	0.0037 J	0.00077 J	0.0026	0.0013	0.002	0.0013	0.0011 U	0.0012 U
Benzo(j)fluoranthene (mg/kg)																		
Dibenzofuran (mg/kg)	7.3	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Fluoranthene (mg/kg)	240	0.123	572	2.99	3.22	3.73 U	0.969 U	79.1	0.0016 U	0.0011 U	0.0053	0.0012 U	0.01	0.0013 U	0.0049	0.0013 U	0.0011 U	0.0012 U
Fluorene (mg/kg)	240	0.0659	404	0.798	0.243 U	4.06	0.969 U	1.48 U	0.0016 U	0.0011 U	0.0034 J	0.0012 U	0.006	0.0013 U	0.0013 U	0.0007 J	0.0011 U	0.0012 U
Phenanthrene (mg/kg)		0.253	1,490	2.99	0.648	12.4	4.21	19.6	0.0016 U	0.0011 U	0.011 J	0.00074 J	0.021 J	0.0013 U	0.0023	0.0013 U	0.0011 U	0.0012 U
Pyrene (mg/kg)	180	0.161	913	1.53	4.33	5.77	1.96	159	0.001 J	0.0011 U	0.0073 J	0.0012 U	0.015 J	0.0013 U	0.0083	0.0013 U	0.0011 U	0.0012 U
1-Methylnaphthalene (mg/kg)	18	0.0230 U	615	1.13	0.243 U	45.2	0.969 U	1.48 U										
2-Methylnaphthalene (mg/kg)	24	0.0245	978	1.79	0.243 U	59.2	0.969 U	1.48 U										
Naphthalene (mg/kg)	3.8	0.00639 U	953	1.49	0.243 U	14.7	0.623 U	0.00535 U	0.0016 J	0.00062 J	0.003 J	0.00047	0.0059	0.0013 U	0.0013 U	0.00075 J	0.0028	0.0017
Benz(a)anthracene (mg/kg)	0.16	0.0475	113	0.265	1.22	1.21	1.47 U	37.6	0.0016 U	0.0011 U	0.0022 J	0.0012 U	0.0044	0.0013 U	0.0035	0.0013 U	0.0011 U	0.0012 U
Benzo(a)pyrene (mg/kg)	0.016	0.0782	116	0.394	1.78	1.85	2.84	47.0	0.0011 J	0.0011 U	0.0027 J	0.0012 U	0.0048	0.0013 U	0.0033	0.0013 U	0.0034	0.0012 U
Benzo(b)fluoranthene (mg/kg)	0.16	0.0368	57.4	0.152	1.22	0.754	1.47 U	27.3	0.0016 UJ	0.0011 UJ	0.0012 U	0.0012 U	0.0024	0.0013 U	0.0015	0.0013 U	0.0011 U	0.0012 U
Benzo(k)fluoranthene (mg/kg)	1.6	0.0536	60.6	0.250	1.49	1.24	1.76	29.0	0.0009 J	0.0011 UJ	0.0016 J	0.0012 U	0.0029	0.0013 U	0.0019	0.0013 U	0.0011 U	0.0012 U
Chrysene (mg/kg)	16	0.0644	146	0.349	2.03	1.58	1.47 U	53.1	0.0011 J	0.0011 U	0.0031 J	0.0012 U	0.0059	0.0013 U	0.0051	0.0013 U	0.0011 U	0.0012 U
Dibenzo(a,h)anthracene (mg/kg)	0.016	0.0245	22.8	0.114 U	0.486	0.566 U	1.47 U	10.3	0.0015 J	0.0011 J	0.0023 J	0.0012 U	0.0013 J	0.00094 J	0.00099 J	0.0008 J	0.0011 U	0.0012 U
Indeno(1,2,3-cd)pyrene (mg/kg)	0.16	0.0368	58.5	0.129	1.52	0.604	1.47 U	28.7	0.0019	0.0013	0.003 J	0.0012 U	0.0022	0.001 J	0.0016	0.00087 J	0.0011 U	0.0012 U
Total cPAHs TEQ (ND = 0) (mg/kg)	0.016	0.0988	149	0.477	2.39	2.25	3.02	60.8	0.00154	0.00024	0.00364 J	ND	0.00618	0.000194 J	0.0043	0.000167 J	0.0034	ND
Total cPAHs TEQ (ND = 1/2 RDL) (mg/kg)	0.016	0.0988	149	0.483	2.39	2.27	3.32	60.8	0.0017	0.000961	0.0037 J	ND	0.00618	0.00105 J	0.0043	0.00102 J	0.00368	ND

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	MW-6 5/22/07 (5-6.5ft)	MW-6 5/22/07 (10-11.5ft)	MW-6 5/22/07 (35-36.5ft)	MW-7 5/23/07 (5-6.5ft)	MW-7 5/23/07 (25-26.5ft)	MW-8 5/22/07 (10-11.5ft)	MW-8 5/22/07 (25-26.5ft)	SP01 5/12/08 (3.5-5ft)	SP01 5/12/08 (8.5-10ft)	SP01 5/12/08 (13.5-15ft)	SP01 5/12/08 (18.5-20ft)	SP02 5/12/08 (0-5ft)	SP02 5/12/08 (10-11.5ft)	SP02 5/12/08 (12.5-14ft)	SP02 5/12/08 (18.5-20ft)	SP02 5/12/08 (23.5-25ft)	SP02 5/12/08 (28.5-30ft)
Other (Non-PAH) Semivolatiles																		
1,1'-Biphenyl (mg/kg)	4.7								0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
1,2,4,5-Tetrachlorobenzene (mg/kg)	2.3								0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
1,2-Dichlorobenzene (mg/kg)	180																	
1,3-Dichlorobenzene (mg/kg)									0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,4-Dichlorobenzene (mg/kg)	2.6																	
1,4-Dioxane (mg/kg)	5.3								0.21 U	0.11 U	0.12 U	0.13 U	0.14 U	0.18 U	0.13 U	0.11 U	0.12 U	0.19 U
2,3,4,6-Tetrachlorophenol (mg/kg)	190								0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
2,4,5-Trichlorophenol (mg/kg)	630	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
2,4,6-Trichlorophenol (mg/kg)	6.3	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
2,4-Dichlorophenol (mg/kg)	19	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
2,4-Dimethylphenol (mg/kg)	130	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
2,4-Dinitrophenol (mg/kg)	13	1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U	0.17 UJ	0.12 UJ	0.12 UJ	0.12 UJ	0.13 UJ	0.13 UJ	0.13 U	0.13 U	0.12 U	0.12 U
2-Chloronaphthalene (mg/kg)	480	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
2-Chlorophenol (mg/kg)	39	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
2-Methylphenol (mg/kg)	320	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U										
2-Nitroaniline (mg/kg)	63	1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U	0.067 U	0.047 U	0.048 U	0.049 U	0.052 U	0.053 U	0.052 U	0.052 U	0.047 U	0.049 U
2-Nitrophenol (mg/kg)		0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
3 & 4 Methylphenol (mg/kg)		0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U										
3,3'-Dichlorobenzidine (mg/kg)	1.2	11.5 U	2,630 U	5.69 U	6.08 U	56.6 U	14.7 U	148 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
3-Nitroaniline (mg/kg)		1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U	0.067 U	0.047 U	0.048 U	0.049 U	0.052 U	0.053 U	0.052 U	0.052 U	0.047 U	0.049 U
4,6-Dinitro-2-methylphenol (mg/kg)	0.51	1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U	0.067 U	0.047 U	0.048 U	0.049 U	0.052 U	0.053 U	0.052 U	0.052 U	0.047 U	0.049 U
4-Bromophenyl phenyl ether (mg/kg)		0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
4-Chloro-3-methylphenol (mg/kg)	630	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
4-Chloroaniline (mg/kg)	2.7	1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
4-Chlorophenyl phenyl ether (mg/kg)		0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
4-Methylphenol (mg/kg)	630								0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
4-Nitroaniline (mg/kg)	25	1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U	0.067 U	0.047 U	0.048 U	0.049 U	0.052 U	0.053 U	0.052 U	0.052 U	0.047 U	0.049 U
4-Nitrophenol (mg/kg)		1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U	0.067 U	0.047 U	0.048 U	0.049 U	0.052 U	0.053 U	0.052 U	0.052 U	0.047 U	0.049 U
Acenaphthene (mg/kg)	360																	
Acetophenone (mg/kg)									0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Aniline (mg/kg)	44	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U										
Atrazine (mg/kg)									0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Benzaldehyde (mg/kg)									0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Benzidine (mg/kg)	0.00053								0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Benzoic acid (mg/kg)	25,000	2.30 U	527 U	1.14 U	1.22 U	11.3 U	2.93 U	29.7 U										
Benzyl alcohol (mg/kg)	630	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U										
Benzyl butyl phthalate (mg/kg)	290	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Bis(2-chloro-1-methylethyl) ether (mg/kg)	310	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Bis(2-chloroethoxy)methane (mg/kg)	19	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Bis(2-chloroethyl) ether (mg/kg)	0.23	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Bis(2-ethylhexyl) phthalate (mg/kg)	39	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.16	0.096	0.12	0.18	0.16	0.17	0.24	0.11	0.2	0.24
Caprolactam (mg/kg)									0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Carbazole (mg/kg)		0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Dibenzofuran (mg/kg)	7.3																	
Diethyl phthalate (mg/kg)	5,100	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Dimethyl phthalate (mg/kg)		0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Di-n-butyl phthalate (mg/kg)	630	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Di-n-octyl phthalate (mg/kg)	63	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Hexachlorobenzene (mg/kg)	0.21	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Hexachlorobutadiene (mg/kg)	1.2				0.401 U													
Hexachlorocyclopentadiene (mg/kg)	0.18	1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U	0.082 UJ	0.058 UJ	0.06 UJ	0.061 UJ	0.065 UJ	0.066 UJ	0.065 U	0.064 U	0.059 U	0.061 U
Hexachloroethane (mg/kg)	1.8	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.0042 U	0.0022 U	0.0024 U	0.0026 U	0.0027 U	0.0036 U	0.0026 U	0.0022 U	0.0024 U	0.0038 U
Isophorone (mg/kg)	570	0.759 U	174 U	0.375 U	0.401 U	6.30	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Nitrobenzene (mg/kg)	5.1	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U										
N-Nitrosodimethylamine (mg/kg)	0.002								0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
N-Nitroso-di-n-propylamine (mg/kg)	0.078	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
N-Nitrosodiphenylamine (mg/kg)	110	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
Pentachlorophenol (mg/kg)	1	1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U	0.0033 U	0.0023 U	0.0024 U	0.0024 U	0.0026 UJ	0.0026 U	0.0026 U	0.0025 U	0.0023 U	0.0024 U
Phenol (mg/kg)	1,900	0.759 U	174 U	0.375 U	0.401 U	3.73 U	0.969 U	9.80 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
2,4-Dinitrotoluene (mg/kg)	1.7	1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U										
2,6-Dinitrotoluene (mg/kg)	0.36	1.15 U	263 U	0.569 U	0.608 U	5.66 U	1.47 U	14.8 U										
2-Methylnaphthalene (mg/kg)	24								0.0016 U	0.0011 U	0.0031 J	0.0012 U	0.0062	0.0013 U	0.0013 U	0.0013 U	0.0011 U	0.0012 U

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	MW-6 5/22/07 (5-6.5ft)	MW-6 5/22/07 (10-11.5ft)	MW-6 5/22/07 (35-36.5ft)	MW-7 5/23/07 (5-6.5ft)	MW-7 5/23/07 (25-26.5ft)	MW-8 5/22/07 (10-11.5ft)	MW-8 5/22/07 (25-26.5ft)	SP01 5/12/08 (3.5-5ft)	SP01 5/12/08 (8.5-10ft)	SP01 5/12/08 (13.5-15ft)	SP01 5/12/08 (18.5-20ft)	SP02 5/12/08 (0-5ft)	SP02 5/12/08 (10-11.5ft)	SP02 5/12/08 (12.5-14ft)	SP02 5/12/08 (18.5-20ft)	SP02 5/12/08 (23.5-25ft)	SP02 5/12/08 (28.5-30ft)
Volatile Organic Compounds (VOC)																		
1,1,1,2-Tetrachloroethane (mg/kg)	2	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,1,1-Trichloroethane (mg/kg)	810	0.0016 U	3.60 U	0.00197 U	0.102 U	0.117 U	0.125 U	0.00134 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,1,2 - Trichlorotrifluoroethane (mg/kg)	4,000								0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,1,2,2-Tetrachloroethane (mg/kg)	0.6	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,1,2-Trichloroethane (mg/kg)	0.15	0.000798 U	3.60 U	0.000985 U	0.102 U	0.117 U	0.125 U	0.000669 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,1-Dichloroethane (mg/kg)	3.6	0.00128 U	3.60 U	0.00158 U	0.102 U	0.117 U	0.125 U	0.00107 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,1-Dichloroethene (mg/kg)	23	0.00192 U	3.60 U	0.00236 U	0.102 U	0.117 U	0.125 U	0.00161 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,1-Dichloropropene (mg/kg)		0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U										
1,2,3-Trichlorobenzene (mg/kg)	6.3	0.00639 U	18.0 U	0.00788 U	0.511 U	0.587 U	0.623 U	0.00535 U	0.00014 J	0.0054 U	0.0061 U	0.0065 U	0.0068 U	0.009 U	0.0064 U	0.00013 J	0.006 U	0.0094 U
1,2,3-Trichloropropane (mg/kg)	0.0051	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,2,4-Trichlorobenzene (mg/kg)	5.8	0.00639 U	18.0 U	0.00788 U	0.511 U	0.587 U	0.623 U	0.00535 U	0.00023 J	0.0054 U	0.0061 U	0.0065 U	0.0068 U	0.009 U	0.0064 U	0.0063 U	0.006 U	0.0094 U
1,2,4-Trimethylbenzene (mg/kg)	5.8	0.00319 U	13.2	0.00394 U	0.103	6.85	0.125 U	0.00268 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
1,2-Dibromo-3-chloropropane (mg/kg)	0.0053	0.00639 U	18.0 U	0.00788 U	0.511 U	0.587 U	0.623 U	0.00535 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,2-Dibromoethane (EDB) (mg/kg)	0.036	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,2-Dichlorobenzene (mg/kg)	180	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,2-Dichloroethane (EDC) (mg/kg)	0.46	0.000798 U	3.60 U	0.000985 U	0.102 U	0.117 U	0.125 U	0.000669 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,2-Dichloropropane (mg/kg)	1	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,3,5-Trimethylbenzene (mg/kg)	78	0.00319 U	3.67	0.00394 U	0.102 U	0.927	0.125 U	0.00268 U	0.033 U	0.024 U	0.024 U	0.025 U	0.026 U	0.026 U	0.026 U	0.026 U	0.023 U	0.024 U
1,3-Dichlorobenzene (mg/kg)		0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U										
1,3-Dichloropropane (mg/kg)	160	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U										
1,4-Dichlorobenzene (mg/kg)	2.6	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
1,4-Difluorobenzene (mg/kg)																		
2,2-Dichloropropane (mg/kg)		0.00639 U	3.60 U	0.00788 U	0.102 U	0.117 U	0.125 U	0.00535 U										
2-Butanone (mg/kg)	2,700	0.00958 U	36.0 U	0.0118 U	1.02 U	1.17 U	1.25 U	0.00803 U	0.011 U	0.0054 U	0.0061 U	0.0065 U	0.0068 U	0.009 U	0.0064 U	0.0056 U	0.006 U	0.0094 U
2-Chlorotoluene (mg/kg)	160	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U										
2-Hexanone (mg/kg)	20	0.0128 U	36.0 U	0.0158 U	1.02 U	1.17 U	1.25 U	0.0107 U	0.011 UJ	0.0054 UJ	0.0061 UJ	0.0065 UJ	0.0068 UJ	0.009 UJ	0.0064 U	0.0063 U	0.006 U	0.0094 U
4-Chlorotoluene (mg/kg)	160	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U										
4-Methyl-2-pentanone (mg/kg)	3,300	0.0128 U	36.0 U	0.0158 U	1.02 U	1.17 U	1.25 U	0.0107 U	0.011 U	0.0054 U	0.0061 U	0.0065 U	0.0068 U	0.009 U	0.0064 U	0.0056 U	0.006 U	0.0094 U
Acetone (mg/kg)	6,100	0.0192 U	36.0 U	0.0236 U	1.02 U	1.17 U	1.25 U	0.0161 U	0.055	0.031	0.04	0.0065 U	0.036	0.025	0.0094	0.027	0.05	0.028
Benzene (mg/kg)	1.2	0.000958 U	0.719 U	0.00722	0.102 U	0.117 U	0.0249 U	0.000803 U	0.0022	0.002	0.0012 J	0.00085 J	0.0014 U	0.0014 J	0.0012 J	0.00088 J	0.00069 J	0.0019 U
Bromobenzene (mg/kg)	29	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U										
Bromochloromethane (mg/kg)	15	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Bromodichloromethane (mg/kg)	0.29	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Bromoform (mg/kg)	19	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Bromomethane (mg/kg)	0.68	0.00639 U	3.60 U	0.00788 U	0.102 U	0.117 U	0.125 U	0.00535 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Carbon disulfide (mg/kg)	77	0.00192 U	3.60 U	0.00236 U	0.102 U	0.117 U	0.125 U	0.00161 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Carbon tetrachloride (mg/kg)	0.65	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Chlorobenzene (mg/kg)	28	0.00128 U	3.60 U	0.00158 U	0.102 U	0.117 U	0.125 U	0.00107 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Chlorobenzene-d5 (mg/kg)																		
Chloroethane (mg/kg)	1,400	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Chloroform (mg/kg)	0.32	0.0016 U	3.60 U	0.00197 U	0.102 U	0.117 U	0.125 U	0.00134 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Chloromethane (mg/kg)	11	0.00639 U	18.0 U	0.00788 U	0.511 U	0.587 U	0.623 U	0.00535 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
cis-1,2-Dichloroethene (DCE) (mg/kg)	16	0.00192 U	3.60 U	0.00236 U	0.102 U	0.117 U	0.125 U	0.00161 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
cis-1,3-Dichloropropene (mg/kg)		0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Cyclohexane (mg/kg)	650								0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Dibromochloromethane (mg/kg)	8.3	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Dibromomethane (mg/kg)	2.4	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U										
Dichlorodifluoromethane (mg/kg)	8.7	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Ethylbenzene (mg/kg)	5.8	0.00255 U	3.60 U	0.00475	0.102 U	0.250	0.125 U	0.00214 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Hexachlorobutadiene (mg/kg)	1.2	0.00639 U	18.0 U	0.00788 U		0.587 U	0.623 U	0.00535 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Hexachloroethane (mg/kg)	1.8																	
Isopropylbenzene (mg/kg)	190	0.00319 U	3.60 U	0.00394 U	0.102 U	0.418	0.125 U	0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Methyl acetate (mg/kg)	7,800								0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Methyl tert-butyl ether (MTBE) (mg/kg)	47	0.000639 U	18.0 U	0.000788 U	0.511 U	0.587 U	0.623 U	0.000535 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Methylcyclohexane (mg/kg)									0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Methylene chloride (mg/kg)	35	0.00223 U	36.0 U	0.00276 U	1.02 U	1.17 U	1.25 U	0.00187 U	0.0021 U	0.0011 U	0.0013 U	0.001 J	0.0014 U	0.0018 U	0.0011 J	0.00086 J	0.00096 J	0.0014 J
n-Butylbenzene (mg/kg)	390	0.00319 U	3.60 U	0.00394 U	0.102 U	1.78	0.125 U	0.00268 U										
n-Hexane (mg/kg)	61	0.00128 U	36.0 U	0.00158 U	1.02 U	1.17 U	1.25 U	0.00107 U										
n-Propylbenzene (mg/kg)	380	0.00319 U	3.60 U	0.00394 U	0.102 U	0.792	0.125 U	0.00268 U										
Pentafluorobenzene (mg/kg)																		
p-Isopropyltoluene (mg/kg)		0.00319 U	3.60 U	0.00394 U	0.102 U	1.65	0.125 U	0.00268 U										
sec-Butylbenzene (mg/kg)	780	0.00319 U	3.60 U	0.00394 U	0.102 U	0.915	0.125 U	0.00268 U										
Styrene (mg/kg)	600	0.000639 U	3.60 U	0.000788 U	0.102 U	0.117 U	0.125 U	0.000814	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	MW-6 5/22/07 (5-6.5ft)	MW-6 5/22/07 (10-11.5ft)	MW-6 5/22/07 (35-36.5ft)	MW-7 5/23/07 (5-6.5ft)	MW-7 5/23/07 (25-26.5ft)	MW-8 5/22/07 (10-11.5ft)	MW-8 5/22/07 (25-26.5ft)	SP01 5/12/08 (3.5-5ft)	SP01 5/12/08 (8.5-10ft)	SP01 5/12/08 (13.5-15ft)	SP01 5/12/08 (18.5-20ft)	SP02 5/12/08 (0-5ft)	SP02 5/12/08 (10-11.5ft)	SP02 5/12/08 (12.5-14ft)	SP02 5/12/08 (18.5-20ft)	SP02 5/12/08 (23.5-25ft)	SP02 5/12/08 (28.5-30ft)
tert-Butylbenzene (mg/kg)	780	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U										
Tetrachloroethene (PCE) (mg/kg)	8.1	0.00128 U	3.60 U	0.00158 U	0.102 U	0.117 U	0.125 U	0.00107 U	0.00059 J	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Toluene (mg/kg)	490	0.000958 U	5.00	0.00118 U	0.198	0.117 U	0.125 U	0.000803 U	0.00084 J	0.00057 J	0.00063 J	0.0012 J	0.0016	0.0018 U	0.001 J	0.0006 J	0.0012 U	0.0019 U
trans-1,2-Dichloroethene (mg/kg)	160	0.0016 U	3.60 U	0.00197 U	0.102 U	0.117 U	0.125 U	0.00134 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
trans-1,3-Dichloropropene (mg/kg)		0.000798 U	3.60 U	0.000985 U	0.102 U	0.117 U	0.125 U	0.000669 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Trichloroethene (TCE) (mg/kg)	0.41	0.0016 U	3.60 U	0.00197 U	0.102 U	0.117 U	0.125 U	0.00134 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Trichlorofluoromethane (mg/kg)	2,300	0.00319 U	3.60 U	0.00394 U	0.102 U	0.117 U	0.125 U	0.00268 U	0.0019 J	0.0006 J	0.00094 J	0.0018	0.0032	0.0013 J	0.0015	0.00088 J	0.00084 J	0.0019 U
Vinyl chloride (mg/kg)	0.059	0.0016 U	3.60 U	0.00197 U	0.102 U	0.117 U	0.125 U	0.00134 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
m,p-Xylenes (mg/kg)		0.00319 U		0.00394 U				0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
o-Xylene (mg/kg)	65	0.00319 U		0.00394 U				0.00268 U	0.0021 U	0.0011 U	0.0012 U	0.0013 U	0.0014 U	0.0018 U	0.0013 U	0.0011 U	0.0012 U	0.0019 U
Xylenes (total) (mg/kg)	58	0.00639 U	16.7	0.00788 U	0.363	0.421	0.374 U	0.00535 U										
Polychlorinated Biphenyls (PCBs)																		
Aroclor 1016 (mg/kg)	0.41	0.0288 U	0.0508 U	0.0554 U	0.0301 U	0.0289 U	0.0291 U	0.0301 U										
Aroclor 1221 (mg/kg)	0.2	0.0577 U	0.102 U	0.111 U	0.0602 U	0.0577 U	0.0581 U	0.0602 U										
Aroclor 1232 (mg/kg)	0.17	0.0288 U	0.0508 U	0.0554 U	0.0301 U	0.0289 U	0.0291 U	0.0301 U										
Aroclor 1242 (mg/kg)	0.23	0.0288 U	0.0508 U	0.0554 U	0.0301 U	0.0289 U	0.0291 U	0.0301 U										
Aroclor 1248 (mg/kg)	0.23	0.0288 U	0.0508 U	0.0554 U	0.0301 U	0.0289 U	0.0291 U	0.0301 U										
Aroclor 1254 (mg/kg)	0.12	0.0288 U	0.0508 U	0.0554 U	0.0301 U	0.0289 U	0.0291 U	0.0301 U										
Aroclor 1260 (mg/kg)	0.24	0.0288 U	0.0508 U	0.0554 U	0.0301 U	0.0289 U	0.0291 U	0.0301 U										
Aroclor 1262 (mg/kg)		0.0288 U	0.0508 U	0.0554 U	0.0301 U	0.0289 U	0.0291 U	0.0301 U										
Aroclor 1268 (mg/kg)		0.0288 U	0.0508 U	0.0554 U	0.0301 U	0.0289 U	0.0291 U	0.0301 U										

Notes

Concentrations in shaded cells indicate value exceeds Soil PRG.
Where a sample has multiple results for a given analyte (tested for in multiple methods) the highest detected value is shown. Where all results were non-detects, the result with the lowest detection limit is shown.
J = Analyte was positively identified. The reported result is an estimate.
JQ = Approximate value due to quality control problems.
PRG = preliminary remediation goal
QP = Hydrocarbon result partly due to individual peak(s) in quantitation range.
U = Analyte was not detected at or above the reported result.
UJ = Analyte was not detected at or above the reported estimate

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	SP03 5/12/08 (4.3-5ft)	SP03 5/12/08 (5-6.5ft)	SP03 5/12/08 (13.5-15ft)	SP03 5/12/08 (18.5-20ft)	SP03 5/12/08 (23.5-25ft)	SP03 5/12/08 (28.5-30ft)	SP03 5/12/08 (33.5-35ft)	SP03 5/12/08 (38.5-40ft)	SP03 5/12/08 (43.5-45ft)
Total Petroleum Hydrocarbons (TPH)										
Gasoline Range Hydrocarbons (mg/kg)		200 J	30,000 U		9	6 U	11 U	8 U	6 U	
Diesel Range Hydrocarbons (mg/kg)		100 U	36,000 J		25 U	25 U	25 U	25 U	25 U	
Oil Range Hydrocarbons (mg/kg)		4,700 J	29,000 J		50 U	50 U	50 U	50 U	50 U	
Metals										
Aluminum (mg/kg)	7,700	14,900	5,780	14,700	18,200	19,600	22,000	22,500	19,600	8,430
Antimony (mg/kg)	0.27	7.2 UJ	1.2 J	6 UJ	7.5 UJ	7.6 UJ	7.7 UJ	7.9 UJ	7.5 UJ	7.1 UJ
Arsenic (mg/kg)	0.68	4.2	7.8		3.9	1.2	2.5	4.6	2.2	0.6
Barium (mg/kg)	330	71.3	74.1	63.9	94	101	110	113	93.9	31.3
Beryllium (mg/kg)	16	0.3 JQ	0.1 JQ	0.3 JQ	0.4 JQ	0.4 JQ	0.5 JQ	0.5 JQ	0.4 JQ	0.2 JQ
Cadmium (mg/kg)	0.36	1.2	1.6	0.6	0.9	0.9	1.1	1.2	0.9	0.3 JQ
Calcium (mg/kg)		7,440	21,300	4,410	7,080	7,250	7,940	7,900	7,230	3,740
Chromium (Total) (mg/kg)	26	28.1 J	59.9 J	32 J	48.3 J	46.2 J	53.3 J	54.7 J	46.7 J	21.2 J
Chromium (VI) (mg/kg)	0.3									
Cobalt (mg/kg)	2.3	10.3	3.3 JQ	11.9	14.1	15.5	17.3	18.1	15.6	6.4
Copper (mg/kg)	28	45.7	62.7	24.6	41.2	43.7	52.1	54	44.5	12.9
Iron (mg/kg)	5,500	24,300	47,800	21,000	33,000	32,400	36,500	37,200	32,400	13,600
Lead (mg/kg)	11	31.2	128	2.8	4.5	4.7	5.2	5.4	4.3	0.8 JQ
Magnesium (mg/kg)		5,130	1,380	5,520	9,970	12,200	14,300	14,900	12,500	4,820
Manganese (mg/kg)	180	388	215	339	824	520	662	678	515	235
Mercury (mg/kg)	1.1	0.1 JQ	0.1 JQ	0.1 U	0.1 JQ	0.1 JQ	0.1 JQ	0.1 JQ	0.1 JQ	0.1 U
Nickel (mg/kg)	38	60.9	28.4	40.2	52.9	56.5	62.2	65.3	56.2	31.7
Potassium (mg/kg)		563 JQ	233 JQ	587	1,240	1,570	1,900	2,000	1,690	413 JQ
Selenium (mg/kg)	0.52	4.2 U	5.7 U	3.5 U	4.4 U	4.5 U	4.5 U	4.6 U	4.4 U	4.2 U
Silver (mg/kg)	4.2	1.2 U	1.6 U	1 U	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U
Sodium (mg/kg)		263 JQ	377 JQ	171 JQ	468 JQ	527 JQ	565 JQ	543 JQ	544 JQ	209 JQ
Thallium (mg/kg)	0.078	3	4.1 U	3.9	5.1	4.6	5.5	5.7	5	2.2 JQ
Vanadium (mg/kg)	7.8	54.1	30.2	47.2	73.4	70.4	77.8	80.1	71.3	29.9
Zinc (mg/kg)	46	114	376	44.3	62.7	65.7	76.7	79	67.4	33
Organometallics										
Tributyltin (mg/kg)	2.3									
Conventional Chemistry Parameters										
Dry Weight (Percent)										
Total Organic Carbon (Percent)										
Total Solids (Percent)										
Polycyclic Aromatic Hydrocarbons (PAHs)										
Acenaphthene (mg/kg)	360	0.46	0.053	0.012	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.049
Acenaphthylene (mg/kg)		1.3	1.4	0.13	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0012 U
Anthracene (mg/kg)	1,800	0.32	0.7	0.018 J	0.026 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.017 J
Benzo(g,h,i)perylene (mg/kg)		5.7	25	0.021 J	0.0023	0.0013 U	0.0023	0.0025	0.0023	0.0012 U
Benzo(j)fluoranthene (mg/kg)										
Dibenzofuran (mg/kg)	7.3	0.37	0.063	0.017 J	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Fluoranthene (mg/kg)	240	37	22	0.071	0.0071	0.003	0.0013 U	0.0086	0.0059	0.036
Fluorene (mg/kg)	240	1.1	6.9	0.072	0.004	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.023 J
Phenanthrene (mg/kg)		5.5	29	0.17	0.012	0.0024	0.0013 U	0.0041	0.0022	0.085
Pyrene (mg/kg)	180	41	27	0.089	0.0097	0.0043	0.0095	0.011	0.0074	0.041
1-Methylnaphthalene (mg/kg)	18									
2-Methylnaphthalene (mg/kg)	24									
Naphthalene (mg/kg)	3.8	8.7	620	1.3	1.3	0.0079	0.01	0.019 J	0.01	0.28
Benz(a)anthracene (mg/kg)	0.16	11	12	0.026	0.003	0.0013 U	0.0026	0.0032	0.0023	0.0012 U
Benzo(a)pyrene (mg/kg)	0.016	15	30	0.025	0.0035	0.015	0.013	0.01	0.018	0.0012 U
Benzo(b)fluoranthene (mg/kg)	0.16	6.9	27	0.016 J	0.0025	0.0013 U	0.0023	0.0027	0.0025	0.0012 U
Benzo(k)fluoranthene (mg/kg)	1.6	10	7.2	0.016	0.0028	0.0013 U	0.0027	0.0029	0.0024	0.0012 U
Chrysene (mg/kg)	16	20	36	0.037	0.0048	0.0023	0.0043	0.0049	0.0038	0.0012 U
Dibenzo(a,h)anthracene (mg/kg)	0.016	1.4	13	0.0028	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0012 U
Indeno(1,2,3-cd)pyrene (mg/kg)	0.16	5.1	28	0.015 J	0.0016	0.0013 U	0.0016	0.0018	0.0016	0.0012 U
Total cPAHs TEQ (ND = 0) (mg/kg)	0.016	18.6	39.1	0.033	0.00454	0.015	0.014	0.0111	0.0189	ND
Total cPAHs TEQ (ND = 1/2 RDL) (mg/kg)	0.016	18.6	39.1	0.033	0.0046	0.0153	0.014	0.0112	0.019	ND

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	SP03 5/12/08 (4.3-5ft)	SP03 5/12/08 (5-6.5ft)	SP03 5/12/08 (13.5-15ft)	SP03 5/12/08 (18.5-20ft)	SP03 5/12/08 (23.5-25ft)	SP03 5/12/08 (28.5-30ft)	SP03 5/12/08 (33.5-35ft)	SP03 5/12/08 (38.5-40ft)	SP03 5/12/08 (43.5-45ft)
Other (Non-PAH) Semivolatiles										
1,1'-Biphenyl (mg/kg)	4.7	0.98	0.065	0.039	0.014 J	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
1,2,4,5-Tetrachlorobenzene (mg/kg)	2.3	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
1,2-Dichlorobenzene (mg/kg)	180									
1,3-Dichlorobenzene (mg/kg)		0.025 U	0.031 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,4-Dichlorobenzene (mg/kg)	2.6									
1,4-Dioxane (mg/kg)	5.3	12 U	140 U	0.13 U	0.12 U	0.16 U	0.18 U	0.15 U	0.19 U	0.25 U
2,3,4,6-Tetrachlorophenol (mg/kg)	190	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
2,4,5-Trichlorophenol (mg/kg)	630	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
2,4,6-Trichlorophenol (mg/kg)	6.3	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
2,4-Dichlorophenol (mg/kg)	19	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
2,4-Dimethylphenol (mg/kg)	130	0.025 U	0.031 U	0.031	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
2,4-Dinitrophenol (mg/kg)	13	0.12 U	0.16 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2-Chloronaphthalene (mg/kg)	480	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
2-Chlorophenol (mg/kg)	39	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
2-Methylphenol (mg/kg)	320									
2-Nitroaniline (mg/kg)	63	0.05 U	0.063 U	0.052 U	0.052 U	0.052 U	0.052 U	0.054 U	0.052 U	0.05 U
2-Nitrophenol (mg/kg)		0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
3 & 4 Methylphenol (mg/kg)										
3,3'-Dichlorobenzidine (mg/kg)	1.2	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
3-Nitroaniline (mg/kg)		0.05 U	0.063 U	0.052 U	0.052 U	0.052 U	0.052 U	0.054 U	0.052 U	0.05 U
4,6-Dinitro-2-methylphenol (mg/kg)	0.51	0.05 U	0.063 U	0.052 U	0.052 U	0.052 U	0.052 U	0.054 U	0.052 U	0.05 U
4-Bromophenyl phenyl ether (mg/kg)		0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
4-Chloro-3-methylphenol (mg/kg)	630	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
4-Chloroaniline (mg/kg)	2.7	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
4-Chlorophenyl phenyl ether (mg/kg)		0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
4-Methylphenol (mg/kg)	630	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
4-Nitroaniline (mg/kg)	25	0.05 U	0.063 U	0.052 U	0.052 U	0.052 U	0.052 U	0.054 U	0.052 U	0.05 U
4-Nitrophenol (mg/kg)		0.05 U	0.063 U	0.052 U	0.052 U	0.052 U	0.052 U	0.054 U	0.052 U	0.05 U
Acenaphthene (mg/kg)	360									
Acetophenone (mg/kg)		1.5	0.03 J	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Aniline (mg/kg)	44									
Atrazine (mg/kg)		0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Benzaldehyde (mg/kg)		0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Benzidine (mg/kg)	0.00053	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Benzoic acid (mg/kg)	25,000									
Benzyl alcohol (mg/kg)	630									
Benzyl butyl phthalate (mg/kg)	290	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Bis(2-chloro-1-methylethyl) ether (mg/kg)	310	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Bis(2-chloroethoxy)methane (mg/kg)	19	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Bis(2-chloroethyl) ether (mg/kg)	0.23	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Bis(2-ethylhexyl) phthalate (mg/kg)	39	0.025 U	0.031 U	0.1	0.11	0.14	0.15	0.1	0.12	0.1
Caprolactam (mg/kg)		0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Carbazole (mg/kg)		0.49	0.12	0.026	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.019 J
Dibenzofuran (mg/kg)	7.3									
Diethyl phthalate (mg/kg)	5,100	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Dimethyl phthalate (mg/kg)		0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Di-n-butyl phthalate (mg/kg)	630	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Di-n-octyl phthalate (mg/kg)	63	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Hexachlorobenzene (mg/kg)	0.21	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Hexachlorobutadiene (mg/kg)	1.2									
Hexachlorocyclopentadiene (mg/kg)	0.18	0.062 U	0.078 U	0.065 U	0.064 U	0.064 U	0.065 U	0.067 U	0.065 U	0.063 U
Hexachloroethane (mg/kg)	1.8	0.025 U	0.031 U	0.0026 U	0.0025 U	0.0032 U	0.0037 U	0.0029 U	0.0038 U	0.0049 U
Isophorone (mg/kg)	570	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Nitrobenzene (mg/kg)	5.1									
N-Nitrosodimethylamine (mg/kg)	0.002	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
N-Nitroso-di-n-propylamine (mg/kg)	0.078	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
N-Nitrosodiphenylamine (mg/kg)	110	0.025 U	0.031 U	0.026 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
Pentachlorophenol (mg/kg)	1	0.025 U	0.031 U	0.0026 U	0.0025 U	0.0025 U	0.0026 U	0.0026 U	0.0026 U	0.0025 U
Phenol (mg/kg)	1,900	0.025 U	0.031 U	0.023 J	0.039	0.081	0.026 U	0.062	0.1	0.077
2,4-Dinitrotoluene (mg/kg)	1.7									
2,6-Dinitrotoluene (mg/kg)	0.36									
2-Methylnaphthalene (mg/kg)	24	6.6	63	0.38	0.17	0.0022	0.0034	0.0059	0.0028	0.079

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	SP03 5/12/08 (4.3-5ft)	SP03 5/12/08 (5-6.5ft)	SP03 5/12/08 (13.5-15ft)	SP03 5/12/08 (18.5-20ft)	SP03 5/12/08 (23.5-25ft)	SP03 5/12/08 (28.5-30ft)	SP03 5/12/08 (33.5-35ft)	SP03 5/12/08 (38.5-40ft)	SP03 5/12/08 (43.5-45ft)
Volatile Organic Compounds (VOC)										
1,1,1,2-Tetrachloroethane (mg/kg)	2	1.2 U	14 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,1,1-Trichloroethane (mg/kg)	810	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,1,2 - Trichlorotrifluoroethane (mg/kg)	4,000	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,1,2,2-Tetrachloroethane (mg/kg)	0.6	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,1,2-Trichloroethane (mg/kg)	0.15	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,1-Dichloroethane (mg/kg)	3.6	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,1-Dichloroethene (mg/kg)	23	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,1-Dichloropropene (mg/kg)										
1,2,3-Trichlorobenzene (mg/kg)	6.3	0.58 U	7 U	0.0064 U	0.0062 U	0.00017 J	0.00017 J	0.0073 U	0.00017 J	0.012 U
1,2,3-Trichloropropane (mg/kg)	0.0051	1.2 U	14 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,2,4-Trichlorobenzene (mg/kg)	5.8	0.58 U	7 U	0.0064 U	0.0062 U	0.0079 U	0.0092 U	0.0073 U	0.0094 U	0.012 U
1,2,4-Trimethylbenzene (mg/kg)	5.8	2.5	0.031 U	0.014 J	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
1,2-Dibromo-3-chloropropane (mg/kg)	0.0053	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,2-Dibromoethane (EDB) (mg/kg)	0.036	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,2-Dichlorobenzene (mg/kg)	180	0.025 U	0.031 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,2-Dichloroethane (EDC) (mg/kg)	0.46	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,2-Dichloropropane (mg/kg)	1	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
1,3,5-Trimethylbenzene (mg/kg)	78	5.5	0.031 U	0.041	0.026	0.026 U	0.026 U	0.027 U	0.026 U	0.025 U
1,3-Dichlorobenzene (mg/kg)										
1,3-Dichloropropane (mg/kg)	160									
1,4-Dichlorobenzene (mg/kg)	2.6	0.025 U	0.031 U	0.0013 U	0.0012 U	0.0016 U	0.00037 J	0.0015 U	0.0019 U	0.0025 U
1,4-Difluorobenzene (mg/kg)										
2,2-Dichloropropane (mg/kg)										
2-Butanone (mg/kg)	2,700	1.2 U	2.4 J	0.0064 U	0.0062 U	0.015	0.0092 U	0.0073 U	0.0094 U	0.012 U
2-Chlorotoluene (mg/kg)	160									
2-Hexanone (mg/kg)	20	1.2 U	14 U	0.0064 U	0.0062 U	0.0079 U	0.0092 U	0.0073 U	0.0094 U	0.012 U
4-Chlorotoluene (mg/kg)	160									
4-Methyl-2-pentanone (mg/kg)	3,300	1.2 U	14 U	0.0064 U	0.0062 U	0.0079 U	0.0092 U	0.0073 U	0.0094 U	0.012 U
Acetone (mg/kg)	6,100	1.2 U	14 U	0.047	0.024	0.064	0.047	0.033	0.056	0.012 U
Benzene (mg/kg)	1.2	4.7	12	0.0016	0.0064	0.23	0.044	0.38	0.17	0.01
Bromobenzene (mg/kg)	29									
Bromochloromethane (mg/kg)	15	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Bromodichloromethane (mg/kg)	0.29	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Bromoform (mg/kg)	19	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Bromomethane (mg/kg)	0.68	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Carbon disulfide (mg/kg)	77	0.58 U	7 U	0.0013 U	0.0012 U	0.0059	0.0043	0.0075	0.0056	0.0025 U
Carbon tetrachloride (mg/kg)	0.65	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Chlorobenzene (mg/kg)	28	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Chlorobenzene-d5 (mg/kg)										
Chloroethane (mg/kg)	1,400	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Chloroform (mg/kg)	0.32	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.00048 J	0.0015 U	0.00056 J	0.044
Chloromethane (mg/kg)	11	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
cis-1,2-Dichloroethene (DCE) (mg/kg)	16	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
cis-1,3-Dichloropropene (mg/kg)		0.58 U	0.93 J	0.0013 U	0.0012 U	0.0016 U	0.00063 J	0.0015 U	0.00064 J	0.0025 U
Cyclohexane (mg/kg)	650	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Dibromochloromethane (mg/kg)	8.3	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Dibromomethane (mg/kg)	2.4									
Dichlorodifluoromethane (mg/kg)	8.7	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Ethylbenzene (mg/kg)	5.8	3.6	24	0.01	0.0061	0.0016 U	0.00073 J	0.0015 U	0.0011 J	0.0018 J
Hexachlorobutadiene (mg/kg)	1.2	0.025 U	0.031 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Hexachloroethane (mg/kg)	1.8									
Isopropylbenzene (mg/kg)	190	0.13	1.6	0.00094 J	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Methyl acetate (mg/kg)	7,800	0.58 U	0.16 J	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Methyl tert-butyl ether (MTBE) (mg/kg)	47	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
Methylcyclohexane (mg/kg)		0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.00037 J	0.0015 U	0.00039 J	0.0025 U
Methylene chloride (mg/kg)	35	0.22	1.3 J	0.00082 J	0.002	0.0036	0.0023	0.00099 J	0.0024	0.0061
n-Butylbenzene (mg/kg)	390									
n-Hexane (mg/kg)	61									
n-Propylbenzene (mg/kg)	380									
Pentafluorobenzene (mg/kg)										
p-Isopropyltoluene (mg/kg)										
sec-Butylbenzene (mg/kg)	780									
Styrene (mg/kg)	600	0.07 J	7 U	0.0015	0.003	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U

Table F-2 - Soil Quality Data

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Preliminary Soil PRG	SP03 5/12/08 (4.3-5ft)	SP03 5/12/08 (5-6.5ft)	SP03 5/12/08 (13.5-15ft)	SP03 5/12/08 (18.5-20ft)	SP03 5/12/08 (23.5-25ft)	SP03 5/12/08 (28.5-30ft)	SP03 5/12/08 (33.5-35ft)	SP03 5/12/08 (38.5-40ft)	SP03 5/12/08 (43.5-45ft)
tert-Butylbenzene (mg/kg)	780									
Tetrachloroethene (PCE) (mg/kg)	8.1	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.00045 J	0.0015 U	0.00044 J	0.0025 U
Toluene (mg/kg)	490	7.5	3.3	0.00098 J	0.001 J	0.0021	0.0021	0.0012 J	0.0029	0.0025 U
trans-1,2-Dichloroethene (mg/kg)	160	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
trans-1,3-Dichloropropene (mg/kg)		0.58 U	0.93 J	0.0013 U	0.0012 U	0.0016 U	0.00063 J	0.0015 U	0.00064 J	0.0025 U
Trichloroethene (TCE) (mg/kg)	0.41	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.00044 J	0.0015 U	0.00044 J	0.0025 U
Trichlorofluoromethane (mg/kg)	2,300	0.58 U	7 U	0.0013 U	0.0012 U	0.0019	0.0024	0.0078	0.0045	0.0025 U
Vinyl chloride (mg/kg)	0.059	0.58 U	7 U	0.0013 U	0.0012 U	0.0016 U	0.0018 U	0.0015 U	0.0019 U	0.0025 U
m,p-Xylenes (mg/kg)		5.7	57	0.014	0.008	0.0016 U	0.00052 J	0.0023	0.00066 J	0.0025 U
o-Xylene (mg/kg)	65	3.4	55	0.014	0.0065	0.0016 U	0.00049 J	0.0015 U	0.0009 J	0.0025 U
Xylenes (total) (mg/kg)	58									
Polychlorinated Biphenyls (PCBs)										
Aroclor 1016 (mg/kg)	0.41									
Aroclor 1221 (mg/kg)	0.2									
Aroclor 1232 (mg/kg)	0.17									
Aroclor 1242 (mg/kg)	0.23									
Aroclor 1248 (mg/kg)	0.23									
Aroclor 1254 (mg/kg)	0.12									
Aroclor 1260 (mg/kg)	0.24									
Aroclor 1262 (mg/kg)										
Aroclor 1268 (mg/kg)										

Notes

Concentrations in shaded cells indicate value exceeds Soil PRG.
Where a sample has multiple results for a given analyte (tested for in multiple methods) the highest detected value is shown. Where all results were non-detects, the result with the lowest detection limit is shown.
J = Analyte was positively identified. The reported result is an estimate.
JQ = Approximate value due to quality control problems.
PRG = preliminary remediation goal
QP = Hydrocarbon result partly due to individual peak(s) in quantitation range.
U = Analyte was not detected at or above the reported result.
UJ = Analyte was not detected at or above the reported estimate

Table F-3A - Sediment Quality Data - 2013 Removal Evaluation

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	BGW-RE-GP-02 9/3/13 (0-1.4 ft)	BGW-RE-GP-02 FD 9/3/13 (0-1.4 ft)	BGW-RE-GP-02 9/3/13 (1-1.3 ft)	BGW-RE-GP-02 9/3/13 (1.4-4 ft)	BGW-RE-GP-03 9/3/13 (0-2.3 ft)	BGW-RE-GP-03 9/3/13 (0.8-1.4 ft)	BGW-RE-GP-03 9/3/13 (2.3-3.2 ft)	BGW-RE-GP-03 9/3/13 (2.3-4 ft)	BGW-RE-GP-03 FD 9/3/13 (2.3-4 ft)	BGW-RE-GP-03 9/3/13 (4-5 ft)	BGW-RE-GP-04 9/3/13 (0-2.2 ft)	BGW-RE-GP-04 9/3/13 (2.2-4 ft)	BGW-RE-GP-05 9/3/13 (0-1.5 ft)	BGW-RE-GP-05 9/3/13 (0.4-1.2 ft)	BGW-RE-GP-05 9/3/13 (1.5-4 ft)	BGW-RE-GP-05 9/3/13 (4-5 ft)	BGW-RE-GP-06 9/3/13 (0.8-2.3 ft)	BGW-RE-GP-06 9/3/13 (2.3-4 ft)
Conventional Chemistry Parameters																			
Total Organic Carbon in Percent		3.69	7.08		0.091	1.92			3.87	6.89	0.051	0.066	0.116	5.3		0.176	0.15	11.9	0.151
Total Solids in Percent		83.53	84.25		83.16	81.49			84.55	84.37	83.87	84.87	94.35	77.73		89.63	88.96	82.7	90.96
Polycyclic Aromatic Hydrocarbons (PAHs)																			
Acenaphthene in ug/kg	500	13,000	9,300		1.5	19,000			76,000	79,000	19	3.6	2.7	130,000		110	82	12,000	1.2
Acenaphthylene in ug/kg	1,300	160,000	120,000		65	87,000			840,000	730,000	100	24 J	32	8,600		21	31	32,000	7.4
Anthracene in ug/kg	960	180,000	140,000		64	160,000			680,000	430,000	150	20 J	2.8	110,000		45	88	24,000	1.3
Benzo(g,h,i)perylene in ug/kg	670	150,000	88,000		110	35,000			150,000	150,000	36	48	73	93,000		41	78	49,000	2.5
Dibenzofuran in ug/kg	540	16,000	11,000		4.6	11,000			69,000	68,000	19	21 J	1.6	6,100		13	15	3,200	1.4
Fluoranthene in ug/kg	1,700	410,000	340,000		240	140,000			770,000	680,000	230	130	29	350,000		220	350	140,000	15
Fluorene in ug/kg	540	150,000	88,000		28	110,000			600,000	510,000	72	7.9 J	5.5	12,000		44	36	14,000	2.1
Phenanthrene in ug/kg	1,500	580,000	380,000		290	280,000			1,700,000	1,500,000	720	320	16	390,000		130	240	130,000	12
Pyrene in ug/kg	2,600	680,000	550,000		370	210,000			1,200,000	1,100,000	360	180	40	440,000		320	500	160,000	17
Naphthalene in ug/kg	2,100	49,000	33,000	400,000	32	15,000	1,800	120,000	1,700,000	1,500,000	58	220	41	27,000	46	63	64	20,000	22
Benz(a)anthracene in ug/kg	1,300	210,000	170,000		95	54,000			280,000	250,000	51	57	16	110,000		30	72	40,000	1.4
Benzo(a)pyrene in ug/kg	1,600	220,000	160,000		140	54,000			280,000	240,000	52	56	60	130,000		34	76	55,000	1.6
Benzo(b)fluoranthene in ug/kg	10,400	86,000	66,000		73	25,000			110,000	110,000	23	42 J	34	65,000		20	45	25,000	1.2
Benzo(k)fluoranthene in ug/kg	240	46,000	39,000		34	14,000			59,000	64,000	15	19 J	12	30,000		7.5	26	14,000	0.5
Chrysene in ug/kg	1,400	200,000	150,000		91	48,000			260,000	220,000	51	73	18	110,000		32	120	45,000	2
Dibenzo(a,h)anthracene in ug/kg	230	22,000 J	16,000 J		20 J	7,500 J			30,000 J	27,000 J	6.5 J	11 J	12 J	10,000 J		4.3 J	11 J	5,700 J	0.3 J
Indeno(1,2,3-cd)pyrene in ug/kg	600	72,000	53,000		72	21,000			91,000	89,000	26	43 J	48	47,000		27	51	24,000	1.5
Total cPAHs TEQ (ND = 0) in ug/kg	1,600	279,460 J	205,440 J		184.431 J	71,688 J			358,950 J	312,760 J	68.7 J	81.463 J	81.938 J	162,610 J		46.1 J	104.18 J	69,785 J	2.3 J
Total cPAHs TEQ (ND = 1/2 RDL) in ug/kg	1,600	279,460 J	205,440 J		184.431 J	71,688 J			358,950 J	312,760 J	68.7 J	81.463 J	81.938 J	162,610 J		46.1 J	104.18 J	69,785 J	2.3 J
Total HPAHs in ug/kg	12,000	2,145,000 J	1,669,000 J		1,283 J	621,500 J			3,294,000 J	2,993,000 J	864.5 J	681 J	355 J	1,415,000 J		743.5 J	1,352 J	571,700 J	43.5 J
Total LPAHs in ug/kg	5,200	1,132,000	770,300		480.5	671,000			5,596,000	4,749,000	1,119	595.5 J	100	677,600		413	541	232,000	46
Total PAHs in ug/kg	4,022	3,277,000 J	2,439,300 J		1,764 J	1,292,500 J			8,890,000 J	7,742,000 J	1,984 J	1,277 J	455 J	2,092,600 J		1,157 J	1,893 J	803,700 J	89.5 J
Other (Non-PAH) Semivolatiles																			
1,2,4-Trichlorobenzene in ug/kg	31			16,000 U			390 U	6,700 U							6.1 U				
1,2-Dichlorobenzene in ug/kg	35			3,300 U			78 U	1,300 U							1.2 U				
1,3-Dichlorobenzene in ug/kg	842			33 U			78 U	13 U							1.2 U				
1,4-Dichlorobenzene in ug/kg	110			3,300 U			78 U	1,300 U							1.2 U				
Hexachlorobutadiene in ug/kg	11			16,000 U			390 U	6,700 U							6.1 U				
Volatile Organic Compounds (VOC)																			
1,1,1,2-Tetrachloroethane in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
1,1,1-Trichloroethane in ug/kg	856			3,300 U			78 U	1,300 U							1.2 U				
1,1,2 - Trichlorotrifluoroethane in ug/kg				6,600 U			160 U	2,700 U							2.4 U				
1,1,2,2-Tetrachloroethane in ug/kg	202			3,300 U			78 U	1,300 U							1.2 U				
1,1,2-Trichloroethane in ug/kg	570			3,300 U			78 U	1,300 U							1.2 U				
1,1-Dichloroethane in ug/kg	0.575			3,300 U			78 U	1,300 U							1.2 U				
1,1-Dichloroethene in ug/kg	2,780			3,300 U			78 U	1,300 U							1.2 U				
1,1-Dichloropropene in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
1,2,3-Trichlorobenzene in ug/kg	858			16,000 U			390 U	6,700 U							6.1 U				
1,2,3-Trichloropropane in ug/kg				6,600 U			160 U	2,700 U							2.4 U				
1,2,4-Trimethylbenzene in ug/kg				3,300 U			78 U	980 J							2.4				
1,2-Dibromo-3-chloropropane in ug/kg				16,000 U			390 U	6,700 U							6.1 U				
1,2-Dibromoethane (EDB) in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
1,2-Dichloroethane (EDC) in ug/kg	260			3,300 U			78 U	1,300 U							1.2 U				
1,2-Dichloropropane in ug/kg	333			3,300 U			78 U	1,300 U							1.2 U				
1,3,5-Trimethylbenzene in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
1,3-Dichloropropane in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
1,4-Dichloro-2-Butene in ug/kg				16,000 U			390 U	6,700 U							6.1 U				
2,2-Dichloropropane in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
2-Butanone in ug/kg	42.4			16,000 U			390 U	6,700 U							6.1 U				
2-Chloroethyl Vinyl Ether in ug/kg				16,000 UJ			390 UJ	6,700 UJ							6.1 UJ				

Table F-3A - Sediment Quality Data - 2013 Removal Evaluation

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	BGW-RE-GP-02 9/3/13 (0-1.4 ft)	BGW-RE-GP-02 FD 9/3/13 (0-1.4 ft)	BGW-RE-GP-02 9/3/13 (1-1.3 ft)	BGW-RE-GP-02 9/3/13 (1.4-4 ft)	BGW-RE-GP-03 9/3/13 (0-2.3 ft)	BGW-RE-GP-03 9/3/13 (0.8-1.4 ft)	BGW-RE-GP-03 9/3/13 (2.3-3.2 ft)	BGW-RE-GP-03 9/3/13 (2.3-4 ft)	BGW-RE-GP-03 FD 9/3/13 (2.3-4 ft)	BGW-RE-GP-03 9/3/13 (4-5 ft)	BGW-RE-GP-04 9/3/13 (0-2.2 ft)	BGW-RE-GP-04 9/3/13 (2.2-4 ft)	BGW-RE-GP-05 9/3/13 (0-1.5 ft)	BGW-RE-GP-05 9/3/13 (0.4-1.2 ft)	BGW-RE-GP-05 9/3/13 (1.5-4 ft)	BGW-RE-GP-05 9/3/13 (4-5 ft)	BGW-RE-GP-06 9/3/13 (0.8-2.3 ft)	BGW-RE-GP-06 9/3/13 (2.3-4 ft)
2-Chlorotoluene in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
2-Hexanone in ug/kg	58.2			16,000 U			390 U	6,700 U							6.1 U				
4-Chlorotoluene in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
4-Methyl-2-pentanone in ug/kg	25.1			16,000 U			390 U	6,700 U							6.1 U				
Acetone in ug/kg	9.9			16,000 U			390 U	6,700 U							6.1 U				
Acrolein in ug/kg	0.00152			160,000 U			3,900 U	67,000 U							61 U				
Acrylonitrile in ug/kg	1.2			16,000 U			390 U	6,700 U							6.1 U				
Benzene in ug/kg	137			3,300 U			78 U	1,300 U							8.1				
Bromobenzene in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Bromochloromethane in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Bromodichloromethane in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Bromoethane in ug/kg				6,600 U			160 U	2,700 U							2.4 U				
Bromoform in ug/kg	1,310			3,300 U			78 U	1,300 U							1.2 U				
Bromomethane in ug/kg	1.37			6,600 U			160 U	2,700 U							1.2 U				
Carbon disulfide in ug/kg	0.851			3,300 U			78 U	1,300 U							4.3				
Carbon tetrachloride in ug/kg	7,240			3,300 U			78 U	1,300 U							1.2 U				
Chlorobenzene in ug/kg	162			3,300 U			78 U	1,300 U							1.2 U				
Chloroethane in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Chloroform in ug/kg	121			3,300 U			78 U	1,300 U							1.2 U				
Chloromethane in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
cis-1,2-Dichloroethene (DCE) in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
cis-1,3-Dichloropropene in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Dibromochloromethane in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Dibromomethane in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Ethylbenzene in ug/kg	305			3,300 U			78 U	1,300 U							24				
Isopropylbenzene in ug/kg	86			3,300 U			78 U	1,300 U							9				
Methylene chloride in ug/kg	159			18,000 U			160 U	6,800 U							4.9 U				
Methyliodide in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
n-Butylbenzene in ug/kg				3,300 U			84	1,300 U							1.2 U				
n-Propylbenzene in ug/kg				3,300 U			78 U	1,300 U							8.3				
p-Isopropyltoluene in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
sec-Butylbenzene in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Styrene in ug/kg	7,070			3,300 U			78 U	1,300 U							1.2 U				
tert-Butylbenzene in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Tetrachloroethene (PCE) in ug/kg	190			3,300 U			78 U	1,300 U							1.2 U				
Toluene in ug/kg	1,090			3,300 U			78 U	1,300 U							1.5				
trans-1,2-Dichloroethene in ug/kg	1,050			3,300 U			78 U	1,300 U							1.2 U				
trans-1,3-Dichloropropene in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Trichloroethene (TCE) in ug/kg	8,950			3,300 U			78 U	1,300 U							1.2 U				
Trichlorofluoromethane in ug/kg				3,300 U			78 U	1,300 U							1.2 U				
Vinyl acetate in ug/kg	13			16,000 U			390 U	6,700 U							6.1 U				
Vinyl chloride in ug/kg	202			3,300 U			78 U	1,300 U							1.2 U				
m,p-Xylenes in ug/kg				6,600 U			160 U	2,700 U							1.7				
o-Xylene in ug/kg				3,300 U			78 U	1,300 U							3.9				

Table F-3A - Sediment Quality Data - 2013 Removal Evaluation

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	BGW-RE-GP-07 9/3/13 (0-2.1 ft)	BGW-RE-GP-07 9/3/13 (2.1-5 ft)	BGW-RE-GP-08 9/3/13 (0-2.7 ft)	BGW-RE-GP-08 9/3/13 (2.7-5 ft)	BGW-RE-SG-01 7/8/13 (0-4 in)	BGW-RE-SG-02 7/8/13 (0-4 in)	BGW-RE-SG-03 7/8/13 (0-4 in)	BGW-RE-SG-04 7/8/13 (0-4 in)	BGW-RE-SG-04 7/8/13 (4-12 in)	BGW-RE-SG-05 7/8/13 (0-4 in)	BGW-RE-SG-06 7/8/13 (0-4 in)	BGW-RE-SG-07 7/8/13 (0-4 in)	BGW-RE-SG-08 7/8/13 (0-4 in)	BGW-RE-SG-08 FD 7/8/13 (0-4 in)	BGW-RE-SG-09 7/8/13 (0-4 in)	BGW-RE-SG-10 7/8/13 (0-4 in)	BGW-RE-SG-11 7/8/13 (0-4 in)	BGW-RE-SG-12 7/8/13 (0-4 in)
Conventional Chemistry Parameters																			
Total Organic Carbon in Percent		0.635	0.127	0.521	0.127	6.79 J	1.61 J	3.52 J	5.15 J	2.45	12.6 J	3.66 J	4.69 J	9.31 J	4.98	3.83 J	2.89 J	3.28 J	2.34 J
Total Solids in Percent		88.92	84.08	83.26	92.41	80.14	80.02	80.46	77.2	75.6	70.92	79.4	81.32	78.02	81.48	74.83	78.34	77.27	77.52
Polycyclic Aromatic Hydrocarbons (PAHs)																			
Acenaphthene in ug/kg	500	73	0.4 J	4.4	0.5 U	220	330	220	17,000	21,000	160,000	340	59	150	280	100	94	260	120
Acenaphthylene in ug/kg	1,300	97	0.7	26	0.8	2,000	2,600	1,300	14,000	27,000	42,000	1,700	1,200	4,500	7,000	2,000	1,200	2,700	890
Anthracene in ug/kg	960	81	0.3 J	24	0.3 J	1,800	2,600	1,300	35,000	61,000	180,000	1,600	1,000	3,500	5,200	1,400	1,900	3,000	890
Benzo(g,h,i)perylene in ug/kg	670	760	0.9	190	1.4	13,000	10,000	11,000	14,000	25,000	260,000	9,000	5,600	21,000	16,000	8,100	8,000	10,000	3,600
Dibenzofuran in ug/kg	540	25	0.3 J	9.6	0.3 J	280	310	220	3,000	6,200	13,000	280	220	520	1,100	260	250	360	180
Fluoranthene in ug/kg	1,700	1,400	1.6	320	2.3	24,000	24,000	22,000	61,000	100,000	1,100,000	18,000	9,900	36,000	32,000	13,000	14,000	20,000	8,200
Fluorene in ug/kg	540	48	0.3 J	5.8	0.5 U	1,000	1,200	580	33,000	61,000	42,000	970	540	1,100	2,000	780	680	1,400	520
Phenanthrene in ug/kg	1,500	370	3	170	2.6	11,000	10,000	7,600	120,000	230,000	490,000	9,100	7,000	17,000	27,000	7,800	7,900	16,000	4,300
Pyrene in ug/kg	2,600	1,600	1.6	280	2.5	36,000	31,000	32,000	95,000	140,000	1,400,000	24,000	15,000	47,000	34,000	20,000	22,000	28,000	13,000
Naphthalene in ug/kg	2,100	250	5.4	87	14	1,500	1,200	980	10,000	9,000	52,000	1,200	1,100	3,800	16,000	1,300	1,200	2,500	1,200
Benz(a)anthracene in ug/kg	1,300	580	0.3 J	100	1.1	12,000	12,000	11,000	22,000	37,000	310,000	9,100	5,100	23,000	17,000	8,400	7,500	9,400	4,000
Benzo(a)pyrene in ug/kg	1,600	730	0.5 J	150	1.2	13,000	13,000	14,000	22,000	35,000	400,000	10,000	5,500	26,000	16,000	9,400	9,300	11,000	4,300
Benzo(b)fluoranthene in ug/kg	10,400	430	0.4 J	120	0.9	9,600	8,400	8,600	12,000	18,000	200,000	7,000	4,300	18,000	12,000	6,600	5,900	7,400	2,800
Benzo(k)fluoranthene in ug/kg	240	200	0.5 U	46	0.5	4,600	4,100	4,000	6,500	11,000	93,000	3,300	2,200	7,800	6,100	3,300	2,900	3,500	1,500
Chrysene in ug/kg	1,400	600	0.5 J	150	1.4	13,000	11,000	11,000	24,000	45,000	270,000	9,200	5,500	25,000	22,000	8,700	7,900	11,000	4,200
Dibenzo(a,h)anthracene in ug/kg	230	88 J	0.5 U	26 J	0.2 J	1,500	1,200	1,200	1,900	4,000	38,000	1,000	660	3,200	2,800	900	700	750	330
Indeno(1,2,3-cd)pyrene in ug/kg	600	510	0.4 J	120	1	8,800	7,300	8,000	9,500	17,000	190,000	6,300	3,900	14,000	11,000	5,500	5,300	7,100	1,200
Total cPAHs TEQ (ND = 0) in ug/kg	1,600	972.6 J	0.6 J	210.61 J	1.7 J	17,599	17,022	18,011	28,339	46,355	509,200	13,282	7,518	34,803	22,883	12,392	11,907	14,186	5,449
Total cPAHs TEQ (ND = 1/2 RDL) in ug/kg	1,600	972.6 J	0.9 J	210.61 J	1.7 J	17,599	17,022	18,011	28,339	46,355	509,200	13,282	7,518	34,803	22,883	12,392	11,907	14,186	5,449
Total HPAHs in ug/kg	12,000	7,148 J	6.2 J	1,555 J	13 J	140,400	126,600	127,200	274,100	442,000	4,361,000	100,300	59,760	229,700	175,000	87,400	86,500	112,050	44,530
Total LPAHs in ug/kg	5,200	919	10.1 J	317.2	17.7 J	17,520	17,930	11,980	229,000	409,000	966,000	14,910	10,899	30,050	57,480	13,380	12,974	25,860	7,920
Total PAHs in ug/kg	4,022	8,067 J	16.3 J	1,872 J	30.7 J	157,920	144,530	139,180	503,100	851,000	5,327,000	115,210	70,659	259,750	232,480	100,780	99,474	137,910	52,450
Other (Non-PAH) Semivolatiles																			
1,2,4-Trichlorobenzene in ug/kg	31																		
1,2-Dichlorobenzene in ug/kg	35																		
1,3-Dichlorobenzene in ug/kg	842																		
1,4-Dichlorobenzene in ug/kg	110																		
Hexachlorobutadiene in ug/kg	11																		
Volatile Organic Compounds (VOC)																			
1,1,1,2-Tetrachloroethane in ug/kg																			
1,1,1-Trichloroethane in ug/kg	856																		
1,1,2 - Trichlorotrifluoroethane in ug/kg																			
1,1,2,2-Tetrachloroethane in ug/kg	202																		
1,1,2-Trichloroethane in ug/kg	570																		
1,1-Dichloroethane in ug/kg	0.575																		
1,1-Dichloroethene in ug/kg	2,780																		
1,1-Dichloropropene in ug/kg																			
1,2,3-Trichlorobenzene in ug/kg	858																		
1,2,3-Trichloropropane in ug/kg																			
1,2,4-Trimethylbenzene in ug/kg																			
1,2-Dibromo-3-chloropropane in ug/kg																			
1,2-Dibromoethane (EDB) in ug/kg																			
1,2-Dichloroethane (EDC) in ug/kg	260																		
1,2-Dichloropropane in ug/kg	333																		
1,3,5-Trimethylbenzene in ug/kg																			
1,3-Dichloropropane in ug/kg																			
1,4-Dichloro-2-Butene in ug/kg																			
2,2-Dichloropropane in ug/kg																			
2-Butanone in ug/kg	42.4																		
2-Chloroethyl Vinyl Ether in ug/kg																			

Table F-3A - Sediment Quality Data - 2013 Removal Evaluation

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	BGW-RE-GP-07 9/3/13 (0-2.1 ft)	BGW-RE-GP-07 9/3/13 (2.1-5 ft)	BGW-RE-GP-08 9/3/13 (0-2.7 ft)	BGW-RE-GP-08 9/3/13 (2.7-5 ft)	BGW-RE-SG-01 7/8/13 (0-4 in)	BGW-RE-SG-02 7/8/13 (0-4 in)	BGW-RE-SG-03 7/8/13 (0-4 in)	BGW-RE-SG-04 7/8/13 (0-4 in)	BGW-RE-SG-04 7/8/13 (4-12 in)	BGW-RE-SG-05 7/8/13 (0-4 in)	BGW-RE-SG-06 7/8/13 (0-4 in)	BGW-RE-SG-07 7/8/13 (0-4 in)	BGW-RE-SG-08 7/8/13 (0-4 in)	BGW-RE-SG-08 FD 7/8/13 (0-4 in)	BGW-RE-SG-09 7/8/13 (0-4 in)	BGW-RE-SG-10 7/8/13 (0-4 in)	BGW-RE-SG-11 7/8/13 (0-4 in)	BGW-RE-SG-12 7/8/13 (0-4 in)
2-Chlorotoluene in ug/kg																			
2-Hexanone in ug/kg	58.2																		
4-Chlorotoluene in ug/kg																			
4-Methyl-2-pentanone in ug/kg	25.1																		
Acetone in ug/kg	9.9																		
Acrolein in ug/kg	0.00152																		
Acrylonitrile in ug/kg	1.2																		
Benzene in ug/kg	137																		
Bromobenzene in ug/kg																			
Bromochloromethane in ug/kg																			
Bromodichloromethane in ug/kg																			
Bromoethane in ug/kg																			
Bromoform in ug/kg	1,310																		
Bromomethane in ug/kg	1.37																		
Carbon disulfide in ug/kg	0.851																		
Carbon tetrachloride in ug/kg	7,240																		
Chlorobenzene in ug/kg	162																		
Chloroethane in ug/kg																			
Chloroform in ug/kg	121																		
Chloromethane in ug/kg																			
cis-1,2-Dichloroethene (DCE) in ug/kg																			
cis-1,3-Dichloropropene in ug/kg																			
Dibromochloromethane in ug/kg																			
Dibromomethane in ug/kg																			
Ethylbenzene in ug/kg	305																		
Isopropylbenzene in ug/kg	86																		
Methylene chloride in ug/kg	159																		
Methyliodide in ug/kg																			
n-Butylbenzene in ug/kg																			
n-Propylbenzene in ug/kg																			
p-Isopropyltoluene in ug/kg																			
sec-Butylbenzene in ug/kg																			
Styrene in ug/kg	7,070																		
tert-Butylbenzene in ug/kg																			
Tetrachloroethene (PCE) in ug/kg	190																		
Toluene in ug/kg	1,090																		
trans-1,2-Dichloroethene in ug/kg	1,050																		
trans-1,3-Dichloropropene in ug/kg																			
Trichloroethene (TCE) in ug/kg	8,950																		
Trichlorofluoromethane in ug/kg																			
Vinyl acetate in ug/kg	13																		
Vinyl chloride in ug/kg	202																		
m,p-Xylenes in ug/kg																			
o-Xylene in ug/kg																			

Table F-3A - Sediment Quality Data - 2013 Removal Evaluation

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	BGW-RE-SG-13 7/8/13 (0-4 in)	BGW-RE-SG-14 7/8/13 (0-4 in)	BGW-RE-SG-15 7/8/13 (0-4 in)	BGW-RE-SG-15 FD 7/8/13 (0-4 in)	BGW-RE-SG-15 7/8/13 (4-10 in)	BGW-RE-SG-16 7/8/13 (0-4 in)	BGW-RE-SG-17 7/8/13 (0-4 in)	BGW-RE-SG-17 7/8/13 (4-9 in)	BGW-RE-SG-18 7/8/13 (0-4 in)	BGW-RE-SG-19 7/8/13 (0-4 in)	BGW-RE-SG-19 7/8/13 (4-8 in)	BGW-RE-SG-20 7/8/13 (0-4 in)	BGW-RE-SG-21 7/8/13 (0-4 in)	BGW-RE-SG-22 7/8/13 (0-4 in)	BGW-RE-SG-22 7/8/13 (4-10 in)	BGW-RE-SG-23 7/8/13 (0-4 in)	BGW-RE-SG-24 7/8/13 (0-4 in)	BGW-RE-SG-25 7/8/13 (0-4 in)
Conventional Chemistry Parameters																			
Total Organic Carbon in Percent		5.18 J	1.59 J	5.54 J	3.93	1.36	1.75	3.14	1.97	0.514	2.29	1.14	2.92	0.444	2	1.13	2.66	0.207	16.9
Total Solids in Percent		76.12	83.35	69.85	69.56	70.88	75.82	87.5	84.59	89.99	69.43	85.36	64.21	91.67	80.23	79.32	79.19	88.68	79.23
Polycyclic Aromatic Hydrocarbons (PAHs)																			
Acenaphthene in ug/kg	500	190	36	960 J	540	490	150	140	280	72	120	340	960	5.5	44	170 J	270	4.7 U	29
Acenaphthylene in ug/kg	1,300	1,600	460 J	6,400	3,000	4,600	3,200	2,000	3,200	200	920	2,200	7,600	32	440	1,200 J	2,200	12	350 J
Anthracene in ug/kg	960	1,700	440	7,400	4,300	6,700	2,800	1,300	2,700	180	890	2,300	8,100	24 J	440	1,300 J	2,400	8.6	310 J
Benzo(g,h,i)perylene in ug/kg	670	5,500	2,000	20,000	12,000	12,000	8,400	3,500	10,000	570	2,600	6,400	39,000	98	1,700	3,800 J	6,500	72	1,700
Dibenzofuran in ug/kg	540	390	80	1,200	840	580	360	230	370	110	95	260	670	3.8 J	65	120	270	4.7 U	45
Fluoranthene in ug/kg	1,700	14,000	3,900	45,000	29,000	29,000	16,000	13,000	23,000	970	5,700	18,000	87,000	230	3,700	13,000	16,000	130	3,300
Fluorene in ug/kg	540	1,200	210 J	3,500	1,400	1,700	1,000	1,000	1,600	93	470	930	1,900	22	200	540 J	1,600	3.5 J	100 J
Phenanthrene in ug/kg	1,500	8,600	1,600	29,000	14,000	13,000	11,000	12,000	12,000	860	3,200	7,100	27,000	170	1,900	4,400 J	15,000	54	1,200
Pyrene in ug/kg	2,600	20,000	5,700	64,000	36,000	36,000	23,000	18,000	31,000	1,600	8,300	24,000	120,000	350	4,900	18,000	24,000	180	4,400
Naphthalene in ug/kg	2,100	2,200	650	7,100	4,400	3,100	6,400	1,200	3,000	890	580	1,700	4,400	8.6	410	880 J	1,400	11	340 J
Benz(a)anthracene in ug/kg	1,300	6,800	2,600	23,000	13,000	15,000	10,000	5,000	10,000	480	2,700	8,600	47,000	100	1,700	5,600 J	7,300	60	1,500
Benzo(a)pyrene in ug/kg	1,600	7,000	2,700	24,000	14,000	16,000	10,000	4,200	12,000	620	3,000	8,500	50,000	130	2,000	4,400 J	7,800	80	1,800
Benzo(b)fluoranthene in ug/kg	10,400	4,600	1,700	16,000	9,500	8,900	6,300	2,900	7,600	340	1,800	5,100	29,000	74	1,200	2,900 J	5,200	48	1,100
Benzo(k)fluoranthene in ug/kg	240	2,300	760	8,700	4,700	5,300	3,400	1,600	3,800	180	1,000	3,000	18,000	40 J	650	1,700 J	2,800	25	650
Chrysene in ug/kg	1,400	7,000	2,800	24,000	16,000	17,000	11,000	5,100	12,000	530	3,200	9,000	48,000	130	2,100	5,600 J	9,400	74	1,800
Dibenzo(a,h)anthracene in ug/kg	230	940	180	3,600	1,900	2,300	1,400	670	1,800	99	490	1,200	5,900	18	250	670 J	1,100	12	240
Indeno(1,2,3-cd)pyrene in ug/kg	600	3,900	1,400	14,000	7,900	8,600	5,900	2,400	7,500	390	1,700	4,500	27,000	70	1,100	2,600 J	4,200	50	1,100
Total cPAHs TEQ (ND = 0) in ug/kg	1,600	9,500	3,460	33,011	19,003	21,620	13,665	5,921	16,360	842.33	4,123	11,559	66,428	172.93 J	2,659	6,203 J	10,607	108.124	2,418
Total cPAHs TEQ (ND = 1/2 RDL) in ug/kg	1,600	9,500	3,460	33,011	19,003	21,620	13,665	5,921	16,360	842.33	4,123	11,559	66,428	172.93 J	2,659	6,203 J	10,607	108.124	2,418
Total HPAHs in ug/kg	12,000	74,540	24,500	250,600	149,000	155,300	99,200	58,070	123,000	5,979	31,590	91,200	486,900	1,286 J	19,980	59,970 J	87,200	759	18,210
Total LPAHs in ug/kg	5,200	15,490	3,396 J	54,360 J	27,640	29,590	24,550	17,640	22,780	2,295	6,180	14,570	49,960	262.1 J	3,434	8,490 J	22,870	89.1 J	2,329 J
Total PAHs in ug/kg	4,022	90,030	27,896 J	304,960 J	176,640	184,890	123,750	75,710	145,780	8,274	37,770	105,770	536,860	1,548 J	23,414	68,460 J	110,070	848.1 J	20,539 J
Other (Non-PAH) Semivolatiles																			
1,2,4-Trichlorobenzene in ug/kg	31																		
1,2-Dichlorobenzene in ug/kg	35																		
1,3-Dichlorobenzene in ug/kg	842																		
1,4-Dichlorobenzene in ug/kg	110																		
Hexachlorobutadiene in ug/kg	11																		
Volatile Organic Compounds (VOC)																			
1,1,1,2-Tetrachloroethane in ug/kg																			
1,1,1-Trichloroethane in ug/kg	856																		
1,1,2 - Trichlorotrifluoroethane in ug/kg																			
1,1,2,2-Tetrachloroethane in ug/kg	202																		
1,1,2-Trichloroethane in ug/kg	570																		
1,1-Dichloroethane in ug/kg	0.575																		
1,1-Dichloroethene in ug/kg	2,780																		
1,1-Dichloropropene in ug/kg																			
1,2,3-Trichlorobenzene in ug/kg	858																		
1,2,3-Trichloropropane in ug/kg																			
1,2,4-Trimethylbenzene in ug/kg																			
1,2-Dibromo-3-chloropropane in ug/kg																			
1,2-Dibromoethane (EDB) in ug/kg																			
1,2-Dichloroethane (EDC) in ug/kg	260																		
1,2-Dichloropropane in ug/kg	333																		
1,3,5-Trimethylbenzene in ug/kg																			
1,3-Dichloropropane in ug/kg																			
1,4-Dichloro-2-Butene in ug/kg																			
2,2-Dichloropropane in ug/kg																			
2-Butanone in ug/kg	42.4																		
2-Chloroethyl Vinyl Ether in ug/kg																			

Table F-3A - Sediment Quality Data - 2013 Removal Evaluation

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	BGW-RE-SG-13 7/8/13 (0-4 in)	BGW-RE-SG-14 7/8/13 (0-4 in)	BGW-RE-SG-15 7/8/13 (0-4 in)	BGW-RE-SG-15 FD 7/8/13 (0-4 in)	BGW-RE-SG-15 7/8/13 (4-10 in)	BGW-RE-SG-16 7/8/13 (0-4 in)	BGW-RE-SG-17 7/8/13 (0-4 in)	BGW-RE-SG-17 7/8/13 (4-9 in)	BGW-RE-SG-18 7/8/13 (0-4 in)	BGW-RE-SG-19 7/8/13 (0-4 in)	BGW-RE-SG-19 7/8/13 (4-8 in)	BGW-RE-SG-20 7/8/13 (0-4 in)	BGW-RE-SG-21 7/8/13 (0-4 in)	BGW-RE-SG-22 7/8/13 (0-4 in)	BGW-RE-SG-22 7/8/13 (4-10 in)	BGW-RE-SG-23 7/8/13 (0-4 in)	BGW-RE-SG-24 7/8/13 (0-4 in)	BGW-RE-SG-25 7/8/13 (0-4 in)
2-Chlorotoluene in ug/kg																			
2-Hexanone in ug/kg	58.2																		
4-Chlorotoluene in ug/kg																			
4-Methyl-2-pentanone in ug/kg	25.1																		
Acetone in ug/kg	9.9																		
Acrolein in ug/kg	0.00152																		
Acrylonitrile in ug/kg	1.2																		
Benzene in ug/kg	137																		
Bromobenzene in ug/kg																			
Bromochloromethane in ug/kg																			
Bromodichloromethane in ug/kg																			
Bromoethane in ug/kg																			
Bromoform in ug/kg	1,310																		
Bromomethane in ug/kg	1.37																		
Carbon disulfide in ug/kg	0.851																		
Carbon tetrachloride in ug/kg	7,240																		
Chlorobenzene in ug/kg	162																		
Chloroethane in ug/kg																			
Chloroform in ug/kg	121																		
Chloromethane in ug/kg																			
cis-1,2-Dichloroethene (DCE) in ug/kg																			
cis-1,3-Dichloropropene in ug/kg																			
Dibromochloromethane in ug/kg																			
Dibromomethane in ug/kg																			
Ethylbenzene in ug/kg	305																		
Isopropylbenzene in ug/kg	86																		
Methylene chloride in ug/kg	159																		
Methyliodide in ug/kg																			
n-Butylbenzene in ug/kg																			
n-Propylbenzene in ug/kg																			
p-Isopropyltoluene in ug/kg																			
sec-Butylbenzene in ug/kg																			
Styrene in ug/kg	7,070																		
tert-Butylbenzene in ug/kg																			
Tetrachloroethene (PCE) in ug/kg	190																		
Toluene in ug/kg	1,090																		
trans-1,2-Dichloroethene in ug/kg	1,050																		
trans-1,3-Dichloropropene in ug/kg																			
Trichloroethene (TCE) in ug/kg	8,950																		
Trichlorofluoromethane in ug/kg																			
Vinyl acetate in ug/kg	13																		
Vinyl chloride in ug/kg	202																		
m,p-Xylenes in ug/kg																			
o-Xylene in ug/kg																			

Table F-3A - Sediment Quality Data - 2013 Removal Evaluation

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	BGW-RE-SG-25 7/8/13 (4-12 in)	BGW-RE-SG-26 7/8/13 (0-4 in)	BGW-RE-SG-27 7/8/13 (0-4 in)	BGW-RE-SG-28 7/8/13 (0-4 in)	BGW-RE-SG-29 7/8/13 (0-4 in)	BGW-RE-SG-30 7/8/13 (0-4 in)	BGW-RE-SG-31 8/7/13 (0-4 in)	BGW-RE-SG-32 8/7/13 (0-4 in)	BGW-RE-SG-33 8/7/13 (0-4 in)	BGW-RE-SG-34 8/7/13 (0-4 in)	BGW-RE-SG-35 8/7/13 (0-4 in)	BGW-RE-SG-36 8/7/13 (0-4 in)	BGW-RE-SG-37 8/7/13 (0-4 in)	BGW-RE-SG-38 8/7/13 (0-4 in)	BGW-RE-SG-38 FD 8/7/13 (0-4 in)	BGW-RE-SG-39 8/7/13 (0-4 in)
Conventional Chemistry Parameters																	
Total Organic Carbon in Percent		1.14	1.15	0.204	0.25	1.1	1.22	0.594	0.779	6.64	2.97	4	4.84	4.57	4.43	4.6	0.208
Total Solids in Percent		81.67	77.33	86.86	86.96	86.78	78.1	89.23	77.08	76.37	83.41	85.12	86.08	84.14	77.79	85.41	76.75
Polycyclic Aromatic Hydrocarbons (PAHs)																	
Acenaphthene in ug/kg	500	84 J	200	32	0.4 J	7.2	58	24 J	2,100 J	1,400 J	730 J	3,600 J	230 J	380 J	1,500 J	3,200 J	580 J
Acenaphthylene in ug/kg	1,300	1,300	820	240	5.3	78	270	170 J	2,300	6,100	3,900	4,700	5,500	1,900	6,800	8,000	3,400
Anthracene in ug/kg	960	1,800	990	410	3.4	85	350	190 J	2,000	8,200	5,800	7,000	9,400	2,000	6,800	6,200	2,700
Benzo(g,h,i)perylene in ug/kg	670	6,600	2,500	1,500	39	400	1,200	1,200 J	6,400 J	39,000 J	25,000 J	17,000 J	34,000 J	20,000 J	19,000 J	16,000 J	10,000 J
Dibenzofuran in ug/kg	540	160	140	48	0.9	12	57	17	370	630	300	610	440	150	470	490	270
Fluoranthene in ug/kg	1,700	15,000	6,500	3,200	34	790	2,500	2,700	16,000	77,000	58,000	46,000	62,000	40,000	49,000	43,000	20,000
Fluorene in ug/kg	540	440	400	100	1.8	33	160	89 J	1,400	2,600	1,200	3,800	2,100	570	2,400	1,700	890
Phenanthrene in ug/kg	1,500	4,100	4,300	1,300	15	320	1,600	950	8,600	30,000	18,000	37,000	21,000	8,200	16,000	15,000	9,900
Pyrene in ug/kg	2,600	19,000	9,100	4,000	55	1,100	3,300	2,800	22,000	86,000	57,000	47,000	59,000	39,000	55,000	44,000	24,000
Naphthalene in ug/kg	2,100	1,300	940	320	7.5	74	340	200 J	2,800	4,800	3,400	4,200	2,900	1,700	3,300	3,600	2,800
Benz(a)anthracene in ug/kg	1,300	7,200	2,900	1,500	22	360	1,200	1,200	9,300	38,000	23,000	18,000	35,000	16,000	24,000	20,000	11,000
Benzo(a)pyrene in ug/kg	1,600	8,000	3,000	2,000	34	420	1,600	1,300	8,200	46,000	27,000	21,000	42,000	22,000	26,000	24,000	11,000
Benzo(b)fluoranthene in ug/kg	10,400	4,400	1,800	1,200	21	260	940	770 J	4,800	25,000	15,000	11,000	22,000	12,000	13,000	13,000	6,800
Benzo(k)fluoranthene in ug/kg	240	2,600	940	630	10	140	470	290 J	2,500	14,000	8,100	5,900	12,000	6,200	6,600	6,200	3,300
Chrysene in ug/kg	1,400	8,100	3,200	1,700	28	380	1,400	1,100	8,200	40,000	23,000	18,000	37,000	18,000	23,000	21,000	11,000
Dibenzo(a,h)anthracene in ug/kg	230	1,000	390	280	5.8	72	240	150 J	960	4,300	120	1,800	6,000	1,900	3,400	1,900	1,100
Indeno(1,2,3-cd)pyrene in ug/kg	600	4,400	1,600	1,100	25	280	890	840 J	4,900 J	29,000 J	18,000 J	13,000 J	24,000 J	14,000 J	13,000 J	12,000 J	7,400 J
Total cPAHs TEQ (ND = 0) in ug/kg	1,600	10,634	4,033	2,668	46.7	583.78	2,149	1,735 J	11,093 J	59,680 J	32,824 J	27,077 J	56,257 J	28,180 J	34,489 J	30,483 J	14,664 J
Total cPAHs TEQ (ND = 1/2 RDL) in ug/kg	1,600	10,634	4,033	2,668	46.7	583.78	2,149	1,735 J	11,093 J	59,680 J	32,824 J	27,077 J	56,257 J	28,180 J	34,489 J	30,483 J	14,664 J
Total HPAHs in ug/kg	12,000	78,800	32,900	17,810	284.8	4,362	14,260	12,670 J	86,060 J	412,300 J	262,820 J	205,200 J	346,000 J	195,700 J	239,900 J	208,700 J	109,600 J
Total LPAHs in ug/kg	5,200	9,024 J	7,650	2,402	33.4 J	597.2	2,778	1,623 J	19,200 J	53,100 J	33,030 J	60,300 J	41,130 J	14,750 J	36,800 J	37,700 J	20,270 J
Total PAHs in ug/kg	4,022	87,824 J	40,550	20,212	318.2 J	4,959	17,038	14,293 J	105,260 J	465,400 J	295,850 J	265,500 J	387,130 J	210,450 J	276,700 J	246,400 J	129,870 J
Other (Non-PAH) Semivolatiles																	
1,2,4-Trichlorobenzene in ug/kg	31																
1,2-Dichlorobenzene in ug/kg	35																
1,3-Dichlorobenzene in ug/kg	842																
1,4-Dichlorobenzene in ug/kg	110																
Hexachlorobutadiene in ug/kg	11																
Volatile Organic Compounds (VOC)																	
1,1,1,2-Tetrachloroethane in ug/kg																	
1,1,1-Trichloroethane in ug/kg	856																
1,1,2 - Trichlorotrifluoroethane in ug/kg																	
1,1,2,2-Tetrachloroethane in ug/kg	202																
1,1,2-Trichloroethane in ug/kg	570																
1,1-Dichloroethane in ug/kg	0.575																
1,1-Dichloroethene in ug/kg	2,780																
1,1-Dichloropropene in ug/kg																	
1,2,3-Trichlorobenzene in ug/kg	858																
1,2,3-Trichloropropane in ug/kg																	
1,2,4-Trimethylbenzene in ug/kg																	
1,2-Dibromo-3-chloropropane in ug/kg																	
1,2-Dibromoethane (EDB) in ug/kg																	
1,2-Dichloroethane (EDC) in ug/kg	260																
1,2-Dichloropropane in ug/kg	333																
1,3,5-Trimethylbenzene in ug/kg																	
1,3-Dichloropropane in ug/kg																	
1,4-Dichloro-2-Butene in ug/kg																	
2,2-Dichloropropane in ug/kg																	
2-Butanone in ug/kg	42.4																
2-Chloroethyl Vinyl Ether in ug/kg																	

Table F-3A - Sediment Quality Data - 2013 Removal Evaluation

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	BGW-RE-SG-25 7/8/13 (4-12 in)	BGW-RE-SG-26 7/8/13 (0-4 in)	BGW-RE-SG-27 7/8/13 (0-4 in)	BGW-RE-SG-28 7/8/13 (0-4 in)	BGW-RE-SG-29 7/8/13 (0-4 in)	BGW-RE-SG-30 7/8/13 (0-4 in)	BGW-RE-SG-31 8/7/13 (0-4 in)	BGW-RE-SG-32 8/7/13 (0-4 in)	BGW-RE-SG-33 8/7/13 (0-4 in)	BGW-RE-SG-34 8/7/13 (0-4 in)	BGW-RE-SG-35 8/7/13 (0-4 in)	BGW-RE-SG-36 8/7/13 (0-4 in)	BGW-RE-SG-37 8/7/13 (0-4 in)	BGW-RE-SG-38 8/7/13 (0-4 in)	BGW-RE-SG-38 FD 8/7/13 (0-4 in)	BGW-RE-SG-39 8/7/13 (0-4 in)
2-Chlorotoluene in ug/kg																	
2-Hexanone in ug/kg	58.2																
4-Chlorotoluene in ug/kg																	
4-Methyl-2-pentanone in ug/kg	25.1																
Acetone in ug/kg	9.9																
Acrolein in ug/kg	0.00152																
Acrylonitrile in ug/kg	1.2																
Benzene in ug/kg	137																
Bromobenzene in ug/kg																	
Bromochloromethane in ug/kg																	
Bromodichloromethane in ug/kg																	
Bromoethane in ug/kg																	
Bromoform in ug/kg	1,310																
Bromomethane in ug/kg	1.37																
Carbon disulfide in ug/kg	0.851																
Carbon tetrachloride in ug/kg	7,240																
Chlorobenzene in ug/kg	162																
Chloroethane in ug/kg																	
Chloroform in ug/kg	121																
Chloromethane in ug/kg																	
cis-1,2-Dichloroethene (DCE) in ug/kg																	
cis-1,3-Dichloropropene in ug/kg																	
Dibromochloromethane in ug/kg																	
Dibromomethane in ug/kg																	
Ethylbenzene in ug/kg	305																
Isopropylbenzene in ug/kg	86																
Methylene chloride in ug/kg	159																
Methyliodide in ug/kg																	
n-Butylbenzene in ug/kg																	
n-Propylbenzene in ug/kg																	
p-Isopropyltoluene in ug/kg																	
sec-Butylbenzene in ug/kg																	
Styrene in ug/kg	7,070																
tert-Butylbenzene in ug/kg																	
Tetrachloroethene (PCE) in ug/kg	190																
Toluene in ug/kg	1,090																
trans-1,2-Dichloroethene in ug/kg	1,050																
trans-1,3-Dichloropropene in ug/kg																	
Trichloroethene (TCE) in ug/kg	8,950																
Trichlorofluoromethane in ug/kg																	
Vinyl acetate in ug/kg	13																
Vinyl chloride in ug/kg	202																
m,p-Xylenes in ug/kg																	
o-Xylene in ug/kg																	

Notes

Concentrations in shaded cells indicate value exceeds the Sediment PRG.
J = Analyte was positively identified. The reported result is an estimate.
PRG = preliminary remediation goal
U = Analyte was not detected at or above the reported result.

Table F-3B - Sediment Quality Data - E+E 2008 Brownfields

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	WN01 6/4/08 (0-6 ft)	WN02 6/4/08 (0-6 ft)	WN03 6/4/08 (0-6 ft)	WN04 6/4/08 (0-6 ft)	WN05 6/4/08 (0-6 ft)
Total Petroleum Hydrocarbons (TPH)						
Gasoline Range Hydrocarbons in ug/kg		450,000 U	6,000 U	25,000 U	5,000 U	5,000 U
Diesel Range Hydrocarbons in ug/kg		210,000 J	140,000 J	240,000 J	63,000 J	25,000 U
Oil Range Hydrocarbons in ug/kg		450,000 J	460,000 J	620,000 J	210,000 J	21,000 J
Metals						
Aluminum in ug/kg		9,030,000 J	7,130,000 J	7,640,000 J	6,290,000 J	6,020,000 J
Antimony in ug/kg	2,000	3,900 J				
Arsenic in ug/kg	57,000	2,300	2,300	5,100	2,600 J	1,500 J
Barium in ug/kg		19,100 J	30,200 J	47,000 J	16,600 J	13,300 J
Beryllium in ug/kg		2,700	2,100	2,300	2,000	1,900
Cadmium in ug/kg	5,100	700 U	600 U	700 U	500 U	500 U
Calcium in ug/kg		33,600,000 J	5,530,000 J	17,200,000 J	6,140,000 J	2,390,000 J
Chromium (Total) in ug/kg	260,000	21,200 J	19,300 J	20,200 J	17,500 J	16,600 J
Cobalt in ug/kg	50,000	3,700 J	3,900 J	26,300	3,500 J	3,000 J
Copper in ug/kg	390,000	26,700	22,100	71,700	13,500	8,600
Iron in ug/kg	20,000,000	12,500,000 J	14,000,000 J	15,900,000 J	11,400,000 J	9,730,000 J
Lead in ug/kg	450,000	16,100 J	19,400 J	30,000 J	10,100 J	8,900 J
Magnesium in ug/kg		4,210,000	4,640,000	3,970,000	4,110,000	3,350,000
Manganese in ug/kg	460,000	168,000	180,000	166,000	135,000	174,000
Mercury in ug/kg	410	27.8 J	28 J			100 J
Nickel in ug/kg	20,900	26,700 J	33,500 J	52,600 J	25,300 J	21,400 J
Potassium in ug/kg		603,000 J	563,000 J	494,000 J	497,000 J	415,000 J
Selenium in ug/kg	2,000	4,800 U	4,400 U	400 J	3,500 U	3,500 U
Silver in ug/kg	6,100	1,400 U	1,300 U	1,000 U	1,000 U	1,000 U
Sodium in ug/kg		1,390,000	996,000	1,560,000	1,930,000	605,000
Thallium in ug/kg		3,400 U	3,100 U	2,500 U	2,500 U	2,500 U
Vanadium in ug/kg		29,800	27,800	36,500	25,000	21,600
Zinc in ug/kg	410,000	79,900 J	57,400 J	78,900 J	36,500 J	23,200 J
Polycyclic Aromatic Hydrocarbons (PAHs)						
Acenaphthene in ug/kg	500	380	73	240	97	15
Acenaphthylene in ug/kg	1,300	1,100	1,500	1,700	1,300	230
Anthracene in ug/kg	960	990	1,300	2,300	1,700	140
Benzo(g,h,i)perylene in ug/kg	670	2,100	2,700	3,000	3,800	380
Dibenzofuran in ug/kg	540	74	58	71	69	25 U
Fluorene in ug/kg	540	450	630	770	780	13
Phenanthrene in ug/kg	1,500	2,200	1,900	24,000	8,100 J	430
Pyrene in ug/kg	2,600	5,200	7,100	7,500	1,300	500
2-Methylnaphthalene in ug/kg	670	1,200	470	370	380	19
Naphthalene in ug/kg	2,100	1,300	490	560	300	17 J
Benz(a)anthracene in ug/kg	1,300	3,700	3,200	920	5,600	660
Benzo(a)pyrene in ug/kg	1,600	3,600	3,700	3,400	6,300	410
Benzo(b)fluoranthene in ug/kg	10,400	2,000	2,000	3,100	3,400	440
Benzo(k)fluoranthene in ug/kg	240	2,200	2,600	1,300	3,600	340
Chrysene in ug/kg	1,400	3,400 J	3,500	17,000	6,000	640
Dibenzo(a,h)anthracene in ug/kg	230	600	700 DJ	870	860	150
Indeno(1,2,3-cd)pyrene in ug/kg	600	2,000	2,000	3,100	3,200	360
Total cPAHs TEQ (ND = 0) in ug/kg	1,600	4,680	4,790	4,500	8,030	611
Total cPAHs TEQ (ND = 1/2 RDL) in ug/kg	1,600	4,680	4,790	4,500	8,030	611

Table F-3B - Sediment Quality Data - E+E 2008 Brownfields

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	WN01 6/4/08 (0-6 ft)	WN02 6/4/08 (0-6 ft)	WN03 6/4/08 (0-6 ft)	WN04 6/4/08 (0-6 ft)	WN05 6/4/08 (0-6 ft)
Other (Non-PAH) Semivolatiles						
1,1'-Biphenyl in ug/kg	1,220	110	71	90	60	25 U
1,2,4,5-Tetrachlorobenzene in ug/kg	47,000	25 U	26 U	27 U	25 U	25 U
1,2,4-Trichlorobenzene in ug/kg	31	6.6 U	9 U	7.8 U	6.8 U	7.1 U
1,2-Dichlorobenzene in ug/kg	35	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,3-Dichlorobenzene in ug/kg	842	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,4-Dichlorobenzene in ug/kg	110	17 J	23 J	21 J	22 J	23 J
1,4-Dioxane in ug/kg	119	130 U	180 U	160 U	140 U	140 U
2,3,4,6-Tetrachlorophenol in ug/kg	284	25 U	26 U	27 U	25 U	25 U
2,4,5-Trichlorophenol in ug/kg	819	25 U	26 U	27 U	25 U	25 U
2,4,6-Trichlorophenol in ug/kg	2,650	25 U	26 U	27 U	25 U	25 U
2,4-Dichlorophenol in ug/kg	117	25 U	26 U	27 U	25 U	25 U
2,4-Dimethylphenol in ug/kg	29	25 U	26 U	27 U	25 U	25 U
2,4-Dinitrophenol in ug/kg	6.21	120 UJ	130 U	130 UJ	120 UJ	120 UJ
2-Chloronaphthalene in ug/kg	417	25 U	26 U	27 U	25 U	25 U
2-Chlorophenol in ug/kg	344	25 U	26 U	27 U	25 U	25 U
2-Nitroaniline in ug/kg		50 UJ	51 U	53 U	49 U	50 U
2-Nitrophenol in ug/kg		25 U	26 U	27 U	25 U	25 U
3,3'-Dichlorobenzidine in ug/kg	2,060	25 U	26 U	27 U	25 U	25 U
3-Nitroaniline in ug/kg		50 UJ	51 U	53 U	49 U	50 U
4,6-Dinitro-2-methylphenol in ug/kg	104	50 U	51 U	53 U	49 U	50 U
4-Bromophenyl phenyl ether in ug/kg	1,230	25 U	26 U	27 U	25 U	25 U
4-Chloro-3-methylphenol in ug/kg	388	25 U	26 U	27 U	25 U	25 U
4-Chloroaniline in ug/kg	146	25 U	26 U	27 U	25 U	25 U
4-Chlorophenyl phenyl ether in ug/kg		25 U	26 U	27 U	25 U	25 U
4-Methylphenol in ug/kg	670	25 U	17 J	17 J	25 U	25 U
4-Nitroaniline in ug/kg		50 UJ	51 U	53 U	49 U	50 U
4-Nitrophenol in ug/kg	13.3	50 UJ	51 U	53 U	49 U	50 U
Acetophenone in ug/kg		25 U	26 U	27 U	25 U	25 U
Atrazine in ug/kg	6.62	25 U	26 U	27 U	25 U	25 U
Benzaldehyde in ug/kg		25 U	26 U	38	25 U	19 J
Benzidine in ug/kg		25 U	26 U	27 U	25 U	25 U
Benzyl butyl phthalate in ug/kg	63	25 U	26 U	27 U	25 U	25 U
Bis(2-chloro-1-methylethyl) ether in ug/kg		25 U	26 U	27 U	25 U	25 U
Bis(2-chloroethoxy)methane in ug/kg		25 U	26 U	27 U	25 U	25 U
Bis(2-chloroethyl) ether in ug/kg	3,520	25 U	26 U	27 U	25 U	25 U
Bis(2-ethylhexyl) phthalate in ug/kg	1,300	25 U	26 U	27 U	25 U	42
Caprolactam in ug/kg		25 U	26 U	27 U	25 U	25 U
Carbazole in ug/kg		110	100	110	69	25 U
Diethyl phthalate in ug/kg	200	25 U	26 U	27 U	25 U	25 U
Dimethyl phthalate in ug/kg	71	25 U	26 U	27 U	25 U	25 U
Di-n-butyl phthalate in ug/kg	1,400	25 U	26 U	27 U	25 U	25 U
Di-n-octyl phthalate in ug/kg	6,200	25 U	26 U	27 U	25 U	25 U
Hexachlorobenzene in ug/kg	22	25 U	26 U	27 U	25 U	25 U
Hexachlorobutadiene in ug/kg	11	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Hexachlorocyclopentadiene in ug/kg	139	62 UJ	64 U	67 UJ	61 UJ	62 UJ
Hexachloroethane in ug/kg	804	2.7 U	3.6 U	3.1 U	2.7 U	2.8 U
Isophorone in ug/kg	432	25 U	26 U	27 U	25 U	25 U
N-Nitrosodimethylamine in ug/kg		25 U	26 U	27 U	25 U	25 U
N-Nitroso-di-n-propylamine in ug/kg		25 U	26 U	27 U	25 U	25 U
N-Nitrosodiphenylamine in ug/kg	28	25 U	26 U	27 U	25 U	25 U
Pentachlorophenol in ug/kg	360	37	54	110	47	35 J
Phenol in ug/kg	420	25 U	26 U	27 UJ	25 U	25 U

Table F-3B - Sediment Quality Data - E+E 2008 Brownfields

Bremerton Gas Works Superfund Site
Bremerton, Washington

Chemical Name	Sediment Initial PRG	WN01 6/4/08 (0-6 ft)	WN02 6/4/08 (0-6 ft)	WN03 6/4/08 (0-6 ft)	WN04 6/4/08 (0-6 ft)	WN05 6/4/08 (0-6 ft)
Volatile Organic Compounds (VOC)						
1,1,1,2-Tetrachloroethane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,1,1-Trichloroethane in ug/kg	856	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,1,2 - Trichlorotrifluoroethane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,1,2,2-Tetrachloroethane in ug/kg	202	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,1,2-Trichloroethane in ug/kg	570	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,1-Dichloroethane in ug/kg	0.575	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,1-Dichloroethene in ug/kg	2,780	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,2,3-Trichlorobenzene in ug/kg	858	6.6 U	9 U	7.8 U	6.8 U	7.1 U
1,2,3-Trichloropropane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,2,4-Trimethylbenzene in ug/kg		18 J	26 U	27 U	15 J	25 U
1,2-Dibromo-3-chloropropane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,2-Dibromoethane (EDB) in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,2-Dichloroethane (EDC) in ug/kg	260	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,2-Dichloropropane in ug/kg	333	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene in ug/kg		25 U	26 U	27 U	21 J	25 U
2-Butanone in ug/kg	42.4	6.6 U	9 U	7.8 U	6.8 U	7.1 U
2-Hexanone in ug/kg	58.2	6.6 U	9 U	7.8 U	6.8 U	7.1 U
4-Methyl-2-pentanone in ug/kg	25.1	6.6 U	9 U	7.8 U	6.8 U	7.1 U
Acetone in ug/kg	9.9	6.6 U	9 U	28	6.8 U	7.1 U
Benzene in ug/kg	137	7.4	1.8 U	1.5 J	1.4 U	1.4 U
Bromochloromethane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Bromodichloromethane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Bromoform in ug/kg	1,310	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Bromomethane in ug/kg	1.37	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Carbon disulfide in ug/kg	0.851	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Carbon tetrachloride in ug/kg	7,240	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Chlorobenzene in ug/kg	162	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Chloroethane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Chloroform in ug/kg	121	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Chloromethane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
cis-1,2-Dichloroethene (DCE) in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
cis-1,3-Dichloropropene in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Cyclohexane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Dibromochloromethane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Dichlorodifluoromethane in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Ethylbenzene in ug/kg	305	2.3	1.8 U	1.6 U	1.4 U	1.4 U
Isopropylbenzene in ug/kg	86	0.48 J	1.8 U	1.6 U	1.4 U	1.4 U
Methyl acetate in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Methyl tert-butyl ether (MTBE) in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Methylcyclohexane in ug/kg		0.65 J	1.8 U	1.6 U	1.4 U	1.4 U
Methylene chloride in ug/kg	159	1.3 UJ	1.8 J	1.6 UJ	1.4 UJ	1.4 UJ
Styrene in ug/kg	7,070	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Tetrachloroethene (PCE) in ug/kg	190	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Toluene in ug/kg	1,090	0.51 J	1.8 U	1.6 U	1.4 U	1.4 U
trans-1,2-Dichloroethene in ug/kg	1,050	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
trans-1,3-Dichloropropene in ug/kg		1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Trichloroethene (TCE) in ug/kg	8,950	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
Trichlorofluoromethane in ug/kg		1.3 UJ	1.8 UJ	1.6 UJ	1.4 UJ	1.4 UJ
Vinyl chloride in ug/kg	202	1.3 U	1.8 U	1.6 U	1.4 U	1.4 U
m,p-Xylenes in ug/kg		2.9	1.8 U	1.6 U	1.4 U	1.4 U
o-Xylene in ug/kg		5.7	1.8 U	1.6 U	1.4 U	1.4 U

Notes

Concentrations in shaded cells indicate value exceeds the Sediment PRG

J = Analyte was positively identified. The reported result is an estimate.

PRG = preliminary remediation goal

U = Analyte was not detected at or above the reported result.