Table F-1 - Groundwater Quality Data

Bremerton Gas Works Site
Bremerton, Washington

Chemical Name	Preliminary Groundwater PRG	Preliminary SW 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	0.78	90		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	0.052	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	380			173										35.7
Total Beryllium in ug/L	2.5	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	0.92	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	0.035	50			6	5 U	48	33	61	23	33	11	90	
Total Cobalt in ug/L	0.6			8.3 J										1.4 J
Total Copper in ug/L	80	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	43			3,020										98.1
Total Mercury in ug/L	0.063	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	39	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	10	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	9.4	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	0.02	6.3		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	8.6			78.2										3.7 JQ
Total Zinc in ug/L	600	81		37.2 J	13.4	10 U	185	155	32.1	10 U	10 U	18	12.7	4.5 J
TCLP Metals														
Total Mercury in ug/L					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	
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	53	30			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	180	100		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	0.79	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	80	6		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	29	10		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	12	8		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	1.1	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	3.6	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	0.17	1.4		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	0.012	0.00016		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	0.0034	0.000016		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	0.034	0.00016		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	0.34	0.0016		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	3.4	0.016		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	0.0034	0.000016		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	0.034	0.00016		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	0.0034	0.000016		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	0.0034	0.000016		ND	ND	ND	0.306	43.8	1.2	0.504	0.252	0.0342	1.13	ND

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Bremerton, Washington

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Other (Non-PAH) Semivolatiles														
1,1'-Biphenyl in ug/L	0.083	14		0.5 U										0.5 U
1,2,4,5-Tetrachlorobenzene in ug/L	0.17	1.1		0.5 U										0.5 U
1,2,4-Trimethylbenzene in ug/L	1.5	19		0.5 U										
2,3,4,6-Tetrachlorophenol in ug/L	24	1.2		0.5 U										0.5 U
2,4,5-Trichlorophenol in ug/L	120	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	1.2	0.28		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	4.6	10		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	36	97		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-Dinitrophenol in ug/L	3.9	100		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	75	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
2-Chlorophenol in ug/L	9.1	17		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	93	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	19			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					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	0.13	0.0033		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	0.15	7		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	140	36		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	0.37	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	190	25		0.5 U										0.5 U
4-Nitroaniline in ug/L	3.8			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
Acenaphthene in ug/L	53	30		4.9 J										
Acetophenone in ug/L	190			0.5 U										0.5 U
Aniline in ug/L	13	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	0.3	1.8		0.5 U										0.5 U
Benzaldehyde in ug/L	19			0.5 U										0.5 U
Benzidine in ug/L	0.00011	0.000023		0.5 U										0.5 U
Benzoic acid in ug/L	7,500	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	200	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	16	0.013		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	71	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	0.5 U
Bis(2-chloroethoxy)methane in ug/L	5.9			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	0.014	0.06		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	5.6	0.046		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	990			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	1,500	200		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		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
Di-n-butyl phthalate in ug/L	90	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
Di-n-octyl phthalate in ug/L	20	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	0.0098	0.000005		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	0.041	1		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	0.33	0.02		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	78	110		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	0.14	100			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	0.00011	0.34		0.5 U										0.5 U
N-Nitroso-di-n-propylamine in ug/L	0.011	0.058		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	12	0.69		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	0.041	0.002		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	580	70,000		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	0.24	0.18			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	0.049	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	

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Volatile Organic Compounds (VOC)														
1,1,1,2-Tetrachloroethane in ug/L	0.57			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	50,000		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
1,1,2 - Trichlorotrifluoroethane in ug/L	5,500			0.25 U										0.25 U
1,1,2,2-Tetrachloroethane in ug/L	0.076	0.3		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	0.041	0.9		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	2.8	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	4,000			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	0.7	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	0.00075			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
1,2,4-Trichlorobenzene in ug/L	0.4	0.037		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	1.5	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	0.00033			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	0.0075			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	30	800		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	0.17	73		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	0.44	3.1		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	12	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		2		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	37				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	0.48	200		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	560	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	24				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	3.8	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	25				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	630	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	1,400	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	0.46	1.6		70	0.200 U	18.4	826	25.2	85.1	950	826	2.23	650	0.35 U
Bromobenzene in ug/L	6.2				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	8.3			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
Bromodichloromethane in ug/L	0.13	2.8		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	3.3	12		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	0.75	2,400		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	81	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	0.46	0.35		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	7.8	200		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	2,100			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	0.22	600		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	19	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	3.6			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		1.2		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	1,300			0.38										0.25 U
Dibromochloromethane in ug/L	0.87	2.2		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	0.83				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	20			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	1.5	31		26	0.200 U	0.200 U	151	322	10.1	187	160	0.530	244	0.25 U
Hexachlorobutadiene in ug/L	0.14	0.01		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	45	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	2,000			0.25 U										0.25 U
Methyl tert-butyl ether (MTBE) in ug/L	14	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	100		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	100				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	150	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	

Table F-1 - Groundwater Quality Data

Bremerton Gas Works Site
Bremerton, Washington

Chemical Name	Preliminary Groundwater PRG	Preliminary SW 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
n-Propylbenzene in ug/L	66	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	200				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	69				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	4.1	2.9		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	110	130		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	36	1,000		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		1.2		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	0.28	0.7		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	520			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	0.019	0.18		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
m,p-Xylenes in ug/L				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	19			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	19	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	0.14				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	0.0047				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	0.0047				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	0.0078				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	0.0078				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	0.0078				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	0.0078				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