Table 1
Soils Data Summary - Building 41 - South Settling Basin
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) Sample Date Parameter	MSC Soil to GW Used Aquifer (mg/kg)	MSC Direct Contact 0 - 2 ft (mg/kg)	MSC Direct Contact 2 - 15 ft (mg/kg)	EPA RBC[3] Industrial Soil (mg/kg)	B41S-SB-001 2 - 4 2/7/2008 (mg/kg)	B41S-SB-002 1 - 3 2/7/2008 (mg/kg)	B41S-SB-003 2 - 4 2/7/2008 (mg/kg)	B41S-SB-003 5 - 7 2/7/2008 (mg/kg)	B41S-SB-004 1 - 3 2/8/2008 (mg/kg)	B41S-SB-005 1 - 3 2/8/2008 (mg/kg)	B41S-SB-005 4 - 6 2/8/2008 (mg/kg)	B41S-SB-005 4 - 6 2/8/2008 (mg/kg)	B41S-SB-006 1 - 3 2/7/2008 (mg/kg)	B41S-SB-006 4 - 6 2/7/2008 (mg/kg)	B41S-SB-006 4 - 6 2/7/2008 (mg/kg)	B41S-SB-007 1 - 3 2/7/2008 (mg/kg)	B41S-SB-007 4 - 6 2/7/2008 (mg/kg)	B41S-SB-007 8 - 10 2/7/2008 (mg/kg)	B41S-SB-008 1 - 3 2/7/2008 (mg/kg)
Cyanide, Free																			
Cyanide, Free	200	56000	190000	20000	0.56 U	0.56 U	0.65 U	0.64 U	0.6 U	0.63 U	0.62 U	0.62 U	0.62 U	0.63 U	0.63 U	0.65 U	0.66 U	0.62 U	0.62 U
Cyanide, Total																			
Cyanide, Total	200	56000	190000		1.5 J	0.28 B J	0.36 B J	0.74 J	0.2 B	0.14 B	0.62 U	0.12 B	0.39 B J	0.63 U	0.63 U	0.22 B J	0.66 U	0.62 U	0.18 B J
Hexavalent Chromium																			
Hexavalent Chromium	190	420	190000	200	0.45 U	0.44 U	0.34 B	0.51 U	0.5 U	0.52 U	0.51 U	0.49 U	0.5 U	0.4 B	0.67	0.28 B	0.52 U	0.2 B	0.33 B
Mercury																			
Mercury	10	840	190000	24	0.02 B	0.026 B	0.099	0.044	0.071 J	0.051 J	0.033 B J	0.074 J	0.02 B	0.019 B	0.015 B	0.037 B	0.031 B	0.058	0.047
Metal																			
Antimony	27	1100	190000	410	1.1 U	0.11 B J	0.16 B J	1.3 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	0.15 B J	2.5 U	0.14 B J
Arsenic	150	53	190000	1.6	1.4	0.45 B	9.8 Z	2.6 Z	4 Z	2 Z	1.6	1.9	1.3	0.89 B	1.1 B	2.6 Z	4.3 Z	3.9 Z	2.6 Z
Barium	8200	190000	190000	190000	22.7	21.4 B	38.6	47.5	40 J	27.4 J	41.3 J	83.2 J	60.8	62.4	62.1	49.6	25.6 B	34.8 B	53.2
Beryllium	320	5600	190000	2000	0.36 B J	0.27 B J	0.83 J	1 J	0.53	0.59	0.41 B	0.35 B	0.53 J	0.43 B J	0.41 B J	0.93 J	0.96 J	1.8 J	0.5 J
Cadmium	38	210	190000	800	0.61	0.24 B	1.1	1.5	0.3 B	0.63 U	0.62 U	1.2	0.16 B	0.63 U	0.072 B	0.79	0.071 B	1.2 U	1.8
Chromium				1500000	10.6	7.8	12.7	16.2	23.7 J	11.8 J	9.3 J	18 J	19.3	14.3	14.9	18	6.1	10.7	19.5
Copper	36000	100000	190000	41000	4.5 J	5.6 J	16.9 J	14.3 J	6.4	9.4	5.3	2.8 B	8.8 J	7.7 J	9.6 J	17.8 J	21.5 J	19.7 J	3.9 J
Lead	450	1000	190000	800	5.2	4.5	18.2	27.1	8.6	11.8	9.4	10.4	10	8.5	8	12.5	17.7	23.6	9.4
Nickel	650	56000	190000	20000	5	6	7.8	18.2	23.5	7.9	6.2	8.8	9.5	7.7	7.6	14.3	8.8	21.4	8.6
Selenium	26	14000	190000	5100	0.56 U	0.56 U	0.58 B	0.64 U	0.7	0.63 U	0.62 U	0.62 U	0.91	0.58 B	0.44 B	0.88	0.66 U	1.2 U	0.64
Silver	84	14000	190000	5100	0.56 U	0.56 U	0.65 U	0.64 U	0.067 B	0.12 B	0.62 U	0.11 B	0.62 U	0.63 U	0.63 U	0.072 B	0.66 U	1.2 U	0.62 U
Thallium	14	200	190000	66	1.1 U	1.1 U	1.3 U	1.3 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	1.2 U
Vanadium	72000	20000	190000	5200	9.5	8.4	10.2	11.3	22.1	16.8	13	9.4	20.5	15	15.7	17.3	10.1	13.9	19.2
Zinc	12000	190000	190000	310000	13.8 J	10 J	18.6 J	28.1 J	16.4 J	19.4 J	14.1 J	31.6 J	22.9 J	19.8 J	19.2 J	24.7 J	15 J	46.5 J	16.1 J
PCB																			
Arochlor-1016	200	200	10000	21	0.019 U	0.018 U	0.022 U	0.021 U	0.02 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.022 U	0.022 U	0.021 U	0.02 U
Arochlor-1221	2.5	160	10000	0.62	0.019 U	0.018 U	0.022 U	0.021 U	0.02 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.022 U	0.022 U	0.021 U	0.02 U
Arochlor-1232	2	160	10000	0.62	0.019 U	0.018 U	0.022 U	0.021 U	0.02 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.022 U	0.022 U	0.021 U	0.02 U
Arochlor-1242	62	160	10000	0.74	0.019 U	0.018 U	0.022 U	0.021 U	0.02 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.022 U	0.022 U	0.021 U	0.02 U
Arochlor-1248	67	44	10000	0.74	0.019 U	0.018 U	0.022 U	0.021 U	0.02 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.022 U	0.022 U	0.021 U	0.02 U
Arochlor-1254	280	44	10000	0.74	0.019 U	0.018 U	0.022 U	0.021 U	0.02 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.022 U	0.022 U	0.021 U	0.02 U
Arochlor-1260	1900	130	190000	0.74	0.019 U	0.018 U	0.022 U	0.021 U	0.02 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.022 U	0.022 U	0.021 U	0.02 U
SVOC																			
1,2,4-Trichlorobenzene	27	10000	10000	400	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
1,2-Dichlorobenzene	60	10000	10000	10000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
1,3-Dichlorobenzene	61	10000	10000	3066	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
1,4-Dichlorobenzene	10	3300	190000	13	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2,4,5-Trichlorophenol	6100	190000	190000	62000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2,4,6-Trichlorophenol	8.9	840	190000	160	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2,4-Dichlorophenol	2	8400	190000	1800	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2,4-Dimethylphenol	200	10000	10000	12000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2,4-Dinitrophenol	4.1	5600	190000	1200	1.8 U	1.8 U	2.1 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U
2,4-Dinitrotoluene	0.84	260	190000	2044	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2,6-Dinitrotoluene	10	2800	190000	620	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2-Chloronaphthalene	18000	190000	190000	82000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2-Chlorophenol	4.4	920	1100	5100	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2-Methylnaphthalene	8000	10000	10000	4100	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2-Methylphenol	510	10000	10000	51100	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
2-Nitroaniline	0.58	160	190000	1800	1.8 U	1.8 U	2.1 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U
2-Nitrophenol	82	22000	190000		0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
3,3'-Dichlorobenzidine	32	180	190000	6.35911	1.8 U	1.8 U	2.1 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U
3/4-Methylphenol				5100	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
3-Nitroaniline	0.58	160	190000		1.8 U	1.8 U	2.1 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U
4,6-Dinitro-2-Methylphenol					1.8 U	1.8 U	2.1 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U
4-Bromophenyl phenyl ether					0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
4-Chloro-3-Methyl-Phenol	110	14000	190000		0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
4-Chloroaniline	52	11000	190000	4088	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
4-Chlorodiphenyl Ether					0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
4-Nitroaniline	0.58	160	190000	86	1.8 U	1.8 U	2.1 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U
4-Nitrophenol	6	22000	190000		1.8 U	1.8 U	2.1 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U
Acenaphthene	4700	170000	190000	33000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Acenaphthylene	6900	170000	190000		0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Anthracene	350	190000	190000	170000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Benzo (A) Anthracene	320	110	190000	2.1	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Benzo (a) Pyrene	46	11	190000	0.21	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Benzo (b) Fluoranthene	170	110	190000	2.1	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Benzo (g,h,i) Perylene	180	170000	190000		0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Benzo (k) Fluoranthene	610	1100	190000	21	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Bis(2-Chloroethoxy) Methane				1800	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Bis(2-Chloroisopropyl) Ether	30	160	190		0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120	0.37 U	0.5	0.15 J	0.43	1.2	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	1.9	0.14 J	0.41 U	0.29 J
Butylbenzylphthalate	10000	10000	10000	910	0.37 U	0.37 U	0.43 U	0.045 J	0.083 J	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.2 J	0.43 U	0.41 U	0.41 U
Carbazole	83	4000	190000		0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Chrysene	230	11000	190000	210	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Dibenzo (a,h) Anthracene	160	11	190000	0.21	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Dibenzofuran					0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Diethylphthalate	500	10000	10000	490000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Dimethylphthalate					0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Di-n-Butylphthalate	4100	10000	10000		0.37 U	0.37 U	0.43 U	0.42 U	0.095 J	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.17 J	0.43 U	0.41 U	0.41 U
Di-n-octylphthalate	10000	10000	10000		0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Fluoranthene	3200	110000	190000	22000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Fluorene	3800	110000	190000	22000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Hexachlorobenzene	0.96	50	190000	1.1	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Hexachlorobutadiene	1.2	560	10000	22	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	91	10000	10000	3700	1.8 U	1.8 U	2.1 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U
Hexachloroethane	0.56	2800	190000	120	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Isophorone	10	10000	10000	1800	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Naphthalene	25	56000	190000	20	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Nitrobenzene	5.1	1400	10000	22	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.075 J W	0.43 U	0.41 U	0.41 U
N-Nitrosodiphenylamine	83	16000	190000	350	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Pentachlorophenol	5	660	190000	9	1.8 U	1.8 U	2.1 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U
Phenanthrene	10000	190000	190000		0.37 U	0.37 U	0.43 U	0.42 U	0.03 J	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Phenol	400	190000	190000	180000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Pyrene	2200	84000	190000	17000	0.37 U	0.37 U	0.43 U	0.42 U	0.4 U	0.41 U	0.41 U	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U	0.41 U	0.41 U
Total Solids																			
Percent Solids																			

Table 1
Soils Data Summary - Building 41 - South Settling Basin
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) Sample Date Parameter	MSC Soil to GW Used Aquifer (mg/kg)	MSC Direct Contact 0 - 2 ft (mg/kg)	MSC Direct Contact 2 - 15 ft (mg/kg)	EPA RBC[1] Industrial Soil (mg/kg)	B41S-SB-001 2 - 4 2/7/2008 (mg/kg)	B41S-SB-002 1 - 3 2/7/2008 (mg/kg)	B41S-SB-003 2 - 4 2/7/2008 (mg/kg)	B41S-SB-003 5 - 7 2/7/2008 (mg/kg)	B41S-SB-004 1 - 3 2/8/2008 (mg/kg)	B41S-SB-005 1 - 3 2/8/2008 (mg/kg)	B41S-SB-005 4 - 6 2/8/2008 (mg/kg)	B41S-SB-005 4 - 6 2/8/2008 (mg/kg)	B41S-SB-006 1 - 3 2/7/2008 (mg/kg)	B41S-SB-006 4 - 6 2/7/2008 (mg/kg)	B41S-SB-006 4 - 6 2/7/2008 (mg/kg)	B41S-SB-007 1 - 3 2/7/2008 (mg/kg)	B41S-SB-007 4 - 6 2/7/2008 (mg/kg)	B41S-SB-007 8 - 10 2/7/2008 (mg/kg)	B41S-SB-008 1 - 3 2/7/2008 (mg/kg)
VOC																			
1,1,1,2-Tetrachloroethane	**18**	**3100**	**190000**	**9.8**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
1,1,1-Trichloroethane	**20**	**10000**	**10000**	**39000**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
1,1,2,2-Tetrachloroethane	**0.03**	**28**	**33**	**2.9**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
1,1,2-Trichloroethane	**0.5**	**100**	**120**	**5.5**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
1,1-Dichloroethane	**11**	**1000**	**1200**	**17**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0023 J	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
1,1-Dichloroethene	**0.7**	**33**	**38**		0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
1,2-Dibromoethane	**0.005**	**0.93**	**8.6**	**0.17**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
1,2-Dichloroethane	**0.5**	**63**	**73**	**2.2**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
1,2-Dichloropropane	**0.5**	**160**	**180**	**4.7**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
1,4-Dioxane	**2.4**	**210**	**240**	**160**	0.93 U	0.92 U	1.1 U	1.1 U	1 U	1.1 U	1 U	0.99 U	1 U	1.1 U	1.1 U	1.2 U	59 U	56 U	0.99 U
2-Butanone	**580**	**10000**	**10000**	**190000**	0.019 U	0.018 U	0.022 U	0.022 U	**0.0059 J**	0.023 U	0.021 U	0.02 U	0.021 U	0.021 U	0.021 U	0.024 U	**0.21 J**	1.1 U	0.02 U
2-Hexanone					0.019 U	0.018 U	0.022 U	0.022 U	0.021 U	0.023 U	0.021 U	0.02 U	0.021 U	0.021 U	0.021 U	0.024 U	1.2 U	1.1 U	0.02 U
4-Methyl-2-Pentanone	**41**	**4300**	**4900**	**52000**	0.019 U	0.018 U	0.022 U	0.022 U	0.021 U	0.023 U	0.021 U	0.02 U	0.021 U	0.021 U	0.021 U	0.024 U	1.2 U	1.1 U	0.02 U
Acetone	**1000**	**10000**	**10000**	**610000**	**0.006 J**	0.018 U	**0.0089 J**	**0.0065 J**	**0.052**	0.023 U	**0.011 J**	0.02 U	0.021 U	**0.0071 J**	**0.0055 J**	**0.014 J**	**0.078 J**	1.1 U	**0.0076 J**
Acrylonitrile	**0.27**	**24**	**28**	**1.2**	0.093 U	0.092 U	0.11 U	0.11 U	0.1 U	0.11 U	0.1 U	0.099 U	0.1 U	0.11 U	0.11 U	0.12 U	5.9 U	5.6 U	0.099 U
Benzene	**0.5**	**210**	**240**	**5.6**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Bromochloromethane	**9**	**10000**	**10000**		0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Bromodichloromethane	**10**	**45**	**51**	**1.4**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Bromoform	**10**	**1500**	**1700**	**220**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Bromomethane	**1**	**270**	**300**	**35**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Carbon Disulfide	**410**	**10000**	**10000**	**3000**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	**0.0042 J**	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Carbon Tetrachloride	**0.5**	**110**	**120**	**1.3**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Chlorobenzene	**10**	**10000**	**10000**	**1500**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	**0.0013 J**	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	**0.0026 J**	0.3 U	0.28 U	0.005 U
Chlorodibromomethane	**10**	**61**	**70**		0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Chloroethane	**90**	**10000**	**10000**		0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Chloroform	**10**	**17**	**19**	**1.5**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Chloromethane	**0.3**	**920**	**1000**	**510**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
cis-1,2-Dichloroethene	**7**	**1900**	**2100**		**0.0019 J**	0.0046 U	**0.0016 J**	**0.035**	**0.12**	**0.0031 J**	**0.0033 J**	**0.0026 J**	0.0052 U	0.0053 U	0.0053 U	**0.1**	**13 W**	**5.5**	**0.18**
cis-1,3-Dichloropropene	**2.6**	**410**	**470**		0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Ethylbenzene	**70**	**10000**	**10000**	**29**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	**0.0028 J**	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	**0.0058 J**	**0.7**	0.28 U	0.005 U
Methyl tert-butyl ether	**2**	**3200**	**3700**	**190**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Methylene chloride	**0.5**	**3500**	**4000**	**54**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	**0.0017 J**	**0.0024 J B**	**0.0016 J**	**0.0017 J B**	**0.0013 J**	0.0053 U	0.0053 U	0.0059 U	**0.055 J B**	0.28 U	**0.001 J**
Styrene	**24**	**10000**	**10000**	**38000**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Tetrachloroethene	**0.5**	**1500**	**3300**	**27**	0.0046 U	0.0046 U	**0.0024 J**	**0.015**	**0.0064**	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	**0.017**	**51 WZ**	**4.1 W**	**0.019**
Toluene	**100**	**10000**	**10000**	**46000**	0.0046 U	0.0046 U	0.0055 U	0.0055 U	**0.011**	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	**0.004 J**	**0.06 J**	0.28 U	0.005 U
trans-1,2-Dichloroethene	**10**	**3700**	**4300**		0.0046 U	0.0046 U	**0.0014 J**	0.0055 U	**0.012**	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	**0.0027 J**	0.3 U	0.28 U	**0.0074**
trans-1,3-Dichloropropene	**2.6**	**410**	**470**		0.0046 U	0.0046 U	0.0055 U	0.0055 U	0.0052 U	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	0.3 U	0.28 U	0.005 U
Trichloroethene	**0.5**	**970**	**1100**	**14**	0.0046 U	0.0046 U	**0.0012 J**	**0.0047 J**	**0.0038 J**	0.0056 U	0.0052 U	0.0049 U	0.0052 U	0.0053 U	0.0053 U	0.0059 U	**8.9 WZ**	**1.1 W**	**0.015**
Vinyl Chloride	**0.2**	**53**	**220**	**1.7**	**0.012**	0.0046 U	**0.0042 J**	**0.024**	**0.63 W**	**0.003 J**	**0.0019 J**	0.0049 U	0.0052 U	0.0053 U	0.0053 U	**0.027**	0.3 U	0.28 U	**0.0071**
Xylenes (Total)	**1000**	**10000**	**10000**	**2600**	0.014 U	0.014 U	0.016 U	0.016 U	**0.0097 J**	0.017 U	0.016 U	0.015 U	0.015 U	0.016 U	0.016 U	**0.014 J**	**1.5**	0.84 U	0.015 U

Laboratory Qualifiers

Qualifier	Explanation
	Organic Data Qualifiers
J	Indicates an estimated value. This flag is used when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
B	Analyte is found in the associated blank, as well as in the sample.
U	Indicates sample was analyzed for, but not detected. Report with the detection limit value.
	Inorganic Data Qualifiers
J	Analyte is found in the associated blank, as well as in the sample.
B	Indicates an estimated value. This flag is used when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
E	Matrix Interference
U	Indicates sample was analyzed for, but not detected. Report with the detection limit value.

Screening Value Comparison Qualifiers

Qualifier	Explanation
	Soils
W	Exceedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Soil to Groundwater (are the greater of the "100 X GW MSC" and "Generic" regulation values).
X	Exceedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Direct Contact 0' to 2' below ground surface.
Y	Exceedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Direct Contact 2' to 15' below ground surface.
Z	Exceedence of the United States EPA Region 3 Risked Based Concentrations for Industrial soil. Per EPA, for certain low-toxicity chemicals, the screening levels exceed possible concentrations at the target risks.

NOTES:

RBCs - Risk Based Concentrations from:
United States Environmental Protection Agency (EPA), May 19, 2009; Regional Screening Level Table.
MSCs - Medium Specific Concentrations from:
Pennsylvania Department of Environmental Protection (DEP), November 24, 2001; from Chapter 250, Appendix A.
1 - EPA has indicated that for certain low-toxicity chemicals, the screening levels exceed possible concentrations at the target risks.

Table 1
Soils Data Summary - Building 41 - South Settling Basin
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) Sample Date Parameter	MSC Soil to GW Used Aquifer (mg/kg)	MSC Direct Contact 0 - 2 ft (mg/kg)	MSC Direct Contact 2 - 15 ft (mg/kg)	EPA RBC[1] Industrial Soil (mg/kg)	B41S-SB-009 0 - 2 2/8/2008 (mg/kg)	B41S-SB-010 0 - 2 2/8/2008 (mg/kg)	B41S-SB-012 0 - 2 2/8/2008 (mg/kg)	B41S-SB-013 0 - 2 2/8/2008 (mg/kg)	B41S-SB-014 3 - 5 5/13/2008 (mg/kg)	B41S-SB-014 8 - 10 5/13/2008 (mg/kg)	B41S-SB-014 11 - 13 5/13/2008 (mg/kg)	B41S-SB-014 14 - 16 5/13/2008 (mg/kg)	B41S-SB-015 4 - 6 5/13/2008 (mg/kg)	B41S-SB-S4N-06 3 - 6 4/2/2008 (mg/kg)	B41S-SB-S4N-07 6 - 7 4/2/2008 (mg/kg)	B41S-SB-S7N-11 10 - 12 4/2/2008 (mg/kg)	B41S-SB-S7N-14 13 - 14 4/2/2008 (mg/kg)	B41S-SB-S7N-16 15 - 16 4/2/2008 (mg/kg)
Cyanide, Free																		
Cyanide, Free	200	56000	190000	20000	1	0.63 U	0.6 U	0.65 U	0.16 B J	0.18 B J	0.18 B J	0.24 B J	0.26 B J	0.64 U	0.61 U	0.62 U	0.62 U	0.63 U
Cyanide, Total																		
Cyanide, Total	200	56000	190000		15.3	0.66	0.53 B	0.77	0.63 U	0.58 U	0.63 U	0.13 B	1.9	0.64 U	0.78	0.62 U	0.62 U	0.63 U
Hexavalent Chromium																		
Hexavalent Chromium	190	420	190000	200	0.49 U	122	0.46 U	0.51 U	0.5 U	0.45 U	0.5 U	0.49 U	0.62	0.5 B	0.22 B	0.16 B	0.51 U	0.29 B
Mercury																		
Mercury	10	840	190000	24	0.039 B J	0.04 B J	0.037 B J	0.056 J	0.031 B	0.032 B	0.017 B	0.033 B	0.035 B	0.044	0.045	0.043	0.02 B	0.033 B
Metal																		
Antimony	27	1100	190000	410	0.14 B	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U	1.3 U	0.11 B	1.2 U	1.3 U	1.2 U	1.2 U	2.5 U	2.5 U
Arsenic	150	53	190000	1.6	2.4 Z	1.4	1.3	1.3	4.7 Z	4.7 Z	11.1 Z	4.9 Z	11.1 Z	4.8 Z	3.1 Z	2.1 Z	5.3 Z	5.3 Z
Barium	8200	190000	190000	190000	39.1 J	39.6 J	25.8 J	31.5 J	45.4	31	25.3	34	41.5	108	66.5	34.1	56.7	50.4 B
Beryllium	320	5600	190000	2000	0.38 B	0.32 B	0.33 B	0.29 B	0.82	0.84	1.7	1.3	0.61	0.56	0.39 B	0.52	2.5	2.1
Cadmium	38	210	190000	800	0.61 U	2.8	8.9	14.7	0.48 B	0.85	0.44 B	0.92	10.1	0.74	0.64	0.18 B	0.63 B	0.87 B
Chromium				1500000	12.3 J	20.6 J	51.5 J	82.7 J	9 J	13.5 J	10.7 J	12.8 J	24.2 J	15.1 J	10.1 J	6.4 J	13 J	13.3 J
Copper	36000	100000	190000	41000	5.4	5.3	5.6	7.7	9.8	11.8	21.1	10.3	6.4	2.4 B	1.4 B	6.7	19.6	16.5
Lead	450	1000	190000	800	8.4	7.1	9.6	8.3	15.6	13.9	27	16.4	12.1	14.3	7.5	14.2	30.2	29.9
Nickel	650	56000	190000	20000	5.5	36.2	21.4	29.8	10.6 J	11.3 J	16.4 J	15.5 J	22.2 J	4.8 B	3.2 B	7.3	34.6	26.8
Selenium	26	14000	190000	5100	0.61 U	0.63 U	0.6 U	0.65 U	0.63 U	0.47 B	0.4 B	0.36 B	0.59 B	0.64 U	0.61 U	0.62 U	1.2 U	1.3 U
Silver	84	14000	190000	5100	0.61 U	0.63 U	0.6 U	0.65 U	0.63 U	0.58 U	0.63 U	0.61 U	0.61 U	0.17 B J	0.61 U	0.62 U	1.2 U	1.3 U
Thallium	14	200	190000	66	1.2 U	1.3 U	1.2 U	1.3 U	0.4 B	0.5 B	0.42 B	0.57 B	1.2 U	1.3 U	1.2 U	1.2 U	0.87 B	2.5 U
Vanadium	72000	20000	190000	5200	15.9	15.4	15	13.9	14.5	18.3	19	14.5	19.7	24	18.9	7.2	18.3	15.6
Zinc	12000	190000	190000	310000	14.9 J	21.2 J	33.4 J	52.2 J	19	25	44.3	51.2	129	13.8	10.7	15.2	108	62.1
PCB																		
Arochlor-1016	200	200	10000	21	0.02 U	0.021 U	0.02 U	0.022 U	0.021 U	0.019 U	0.021 U	0.02 U	0.02 U					
Arochlor-1221	2.5	160	10000	0.62	0.02 U	0.021 U	0.02 U	0.022 U	0.021 U	0.019 U	0.021 U	0.02 U	0.02 U					
Arochlor-1232	2	160	10000	0.62	0.02 U	0.021 U	0.02 U	0.022 U	0.021 U	0.019 U	0.021 U	0.02 U	0.02 U					
Arochlor-1242	62	160	10000	0.74	0.02 U	0.021 U	0.02 U	0.022 U	0.021 U	0.019 U	0.021 U	0.02 U	0.02 U					
Arochlor-1248	67	44	10000	0.74	0.02 U	0.021 U	0.02 U	0.022 U	0.021 U	0.019 U	0.021 U	0.02 U	0.02 U					
Arochlor-1254	280	44	10000	0.74	0.02 U	0.021 U	0.02 U	0.022 U	0.021 U	0.019 U	0.021 U	0.02 U	0.02 U					
Arochlor-1260	1900	130	190000	0.74	0.02 U	0.021 U	0.02 U	0.022 U	0.021 U	0.019 U	0.021 U	0.02 U	0.02 U					
SVOC																		
1,2,4-Trichlorobenzene	27	10000	10000	400	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
1,2-Dichlorobenzene	60	10000	10000	10000	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
1,3-Dichlorobenzene	61	10000	10000	3066	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
1,4-Dichlorobenzene	10	3300	190000	13	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
2,4,5-Trichlorophenol	6100	190000	190000	62000	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
2,4,6-Trichlorophenol	8.9	840	190000	160	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
2,4-Dichlorophenol	2	8400	190000	1800	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
2,4-Dimethylphenol	200	10000	10000	12000	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.055 J	0.41 U	0.052 J
2,4-Dinitrophenol	4.1	5600	190000	1200	2 U	2 U	1.9 U	2.1 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U
2,4-Dinitrotoluene	0.84	260	190000	2044	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
2,6-Dinitrotoluene	10	2800	190000	620	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
2-Chloronaphthalene	18000	190000	190000	82000	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
2-Chlorophenol	4.4	920	1100	5100	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
2-Methylnaphthalene	8000	10000	10000	4100	0.4 U	0.42 U	0.4 U	0.43 U	0.11 J	0.38 U	0.41 U	0.4 U	0.4 U	0.038 J	0.037 J	0.53	0.038 J	0.6
2-Methylphenol	510	10000	10000	51100	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.034 J	0.41 U	0.032 J
2-Nitroaniline	0.58	160	190000	1800	2 U	2 U	1.9 U	2.1 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U
2-Nitrophenol	82	22000	190000		0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
3,3'-Dichlorobenzidine	32	180	190000	6.35911	2 U	2 U	1.9 U	2.1 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U
3/4-Methylphenol				5100	0.12 J	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.052 J	0.41 U	0.052 J
3-Nitroaniline	0.58	160	190000		2 U	2 U	1.9 U	2.1 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U
4,6-Dinitro-2-Methylphenol					2 U	2 U	1.9 U	2.1 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U
4-Bromophenyl phenyl ether					0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
4-Chloro-3-Methyl-Phenol	110	14000	190000		0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
4-Chloroaniline	52	11000	190000	4088	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
4-Chlorodiphenyl Ether					0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
4-Nitroaniline	0.58	160	190000	86	2 U	2 U	1.9 U	2.1 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U
4-Nitrophenol	6	22000	190000		2 U	2 U	1.9 U	2.1 U	1.9 U	1.9 U	2 U	6 J	1.9 U	2 U	2 U	2 U	2 U	2 U
Acenaphthene	4700	170000	190000	33000	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.03 J
Acenaphthylene	6900	170000	190000		0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Anthracene	350	190000	190000	170000	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Benzo (A) Anthracene	320	110	190000	2.1	0.4 U	0.42 U	0.4 U	0.43 U	0.064 J	0.046 J	0.044 J	0.043 J	0.056 J	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Benzo (a) Pyrene	46	11	190000	0.21	0.4 U	0.42 U	0.4 U	0.43 U	0.059 J	0.039 J	0.029 J	0.034 J	0.059 J	0.42 U	0.4 U	0.016 J	0.41 U	0.014 J
Benzo (b) Fluoranthene	170	110	190000	2.1	0.4 U	0.42 U	0.4 U	0.43 U	0.042 J	0.025 J	0.053 J	0.055 J	0.076 J	0.42 U	0.4 U	0.018 J	0.41 U	0.42 U
Benzo (g,h,i) Perylene	180	170000	190000		0.4 U	0.42 U	0.4 U	0.43 U	0.032 J	0.041 J	0.034 J	0.019 J	0.054 J	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Benzo (k) Fluoranthene	610	1100	190000	21	0.4 U	0.42 U	0.4 U	0.43 U	0.044 J	0.028 J	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.014 J	0.41 U	0.42 U
Bis(2-Chloroethoxy) Methane				1800	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Bis(2-Chloroisopropyl) Ether	30	160	190		0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120	0.99	0.18 J	0.26 J	0.43 U	0.4 U	0.038 J	0.41 U	0.061 J	0.068 J	1.2	1.3	2.3	1.1	1.6
Butylbenzylphthalate	10000	10000	10000	910	0.066 J	0.42 U	0.4 U	0.43 U	0.038 J	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.087 J	0.41 U	0.044 J
Carbazole	83	4000	190000		0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.028 J	0.41 U	0.42 U
Chrysene	230	11000	190000	210	0.4 U	0.42 U	0.4 U	0.43 U	0.076 J	0.043 J	0.041 J	0.044 J	0.066 J	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Dibenzo (a,h) Anthracene	160	11	190000	0.21	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.029 J	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Dibenzofuran					0.4 U	0.42 U	0.4 U	0.43 U	0.029 J	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Diethylphthalate	500	10000	10000	490000	0.4 U	0.42 U	0.041 J	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Dimethylphthalate					0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Di-n-Butylphthalate	4100	10000	10000		0.088 J	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Di-n-octylphthalate	10000	10000	10000		0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.042 J	0.41 U	0.42 U
Fluoranthene	3200	110000	190000	22000	0.4 U	0.42 U	0.4 U	0.43 U	0.1 J	0.059 J	0.052 J	0.05 J	0.087 J	0.42 U	0.4 U	0.033 J	0.41 U	0.42 U
Fluorene	3800	110000	190000	22000	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.026 J	0.41 U	0.42 U
Hexachlorobenzene	0.96	50	190000	1.1	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Hexachlorobutadiene	1.2	560	10000	22	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Hexachlorocyclopentadiene	91	10000	10000	3700	2 U	2 U	1.9 U	2.1 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U
Hexachloroethane	0.56	2800	190000	120	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1	0.4 U	0.42 U	0.4 U	0.43 U	0.041 J	0.03 J	0.029 J	0.03 J	0.044 J	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Isophorone	10	10000	10000	1800	0.4 U	0.42 U	0.4 U	0.43 U	0.11 J	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Naphthalene	25	56000	190000	20	0.4 U	0.42 U	0.4 U	0.43 U	0.056 J	0.38 U	0.41 U	0.4 U	0.4 U	0.12 J	0.12 J	0.57	0.13 J	0.66
Nitrobenzene	5.1	1400	10000	22	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
N-Nitrosodiphenylamine	83	16000	190000	350	0.4 U	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Pentachlorophenol	5	660	190000	9	2 U	2 U	1.9 U	2.1 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene	10000	190000	190000		0.038 J	0.42 U	0.4 U	0.43 U	0.078 J	0.018 J	0.41 U	0.027 J	0.031 J	0.42 U	0.4 U	0.031 J	0.41 U	0.032 J
Phenol	400	190000	190000	180000	0.15 J	0.42 U	0.4 U	0.43 U	0.4 U	0.38 U	0.41 U	0.4 U	0.4 U	0.42 U	0.4 U	0.4 U	0.41 U	0.42 U
Pyrene	2200	84000	190000	17000	0.4 U	0.42 U	0.4 U	0.43 U	0.074 J	0.033 J	0.035 J	0.034 J	0.058 J	0.42 U	0.4 U	0.027 J	0.41 U	0.42 U
Total Solids																		
Percent Solids																		

Table 1
Soils Data Summary - Building 41 - South Settling Basin
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) Sample Date Parameter	MSC Soil to GW Used Aquifer (mg/kg)	MSC Direct Contact 0 - 2 ft (mg/kg)	MSC Direct Contact 2 - 15 ft (mg/kg)	EPA RBC[1] Industrial Soil (mg/kg)	B41S-SB-009 0 - 2 2/8/2008 (mg/kg)	B41S-SB-010 0 - 2 2/8/2008 (mg/kg)	B41S-SB-012 0 - 2 2/8/2008 (mg/kg)	B41S-SB-013 0 - 2 2/8/2008 (mg/kg)	B41S-SB-014 3 - 5 5/13/2008 (mg/kg)	B41S-SB-014 8 - 10 5/13/2008 (mg/kg)	B41S-SB-014 11 - 13 5/13/2008 (mg/kg)	B41S-SB-014 14 - 16 5/13/2008 (mg/kg)	B41S-SB-015 4 - 6 5/13/2008 (mg/kg)	B41S-SB-S4N-06 3 - 6 4/2/2008 (mg/kg)	B41S-SB-S4N-07 6 - 7 4/2/2008 (mg/kg)	B41S-SB-S7N-11 10 - 12 4/2/2008 (mg/kg)	B41S-SB-S7N-14 13 - 14 4/2/2008 (mg/kg)	B41S-SB-S7N-16 15 - 16 4/2/2008 (mg/kg)
VOC																		
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
1,1-Dichloroethane	11	1000	1200	17	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
1,1-Dichloroethene	0.7	33	38		0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0036 J	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
1,4-Dioxane	2.4	210	240	160	1.1 U	1.2 U	1 U	1.2 U	1 U	0.9 U	1.1 U	310 U	0.93 U	54 U	55 U	61 U	53 U	60 U
2-Butanone	580	10000	10000	190000	0.021 U	0.024 U	**0.015 J**	**0.0044 J**	0.021 U	0.018 U	0.022 U	**0.52 J**	0.019 U	**0.31 J**	**0.28 J**	**0.36 J**	**0.31 J**	**0.39 J**
2-Hexanone					0.021 U	0.024 U	0.02 U	0.024 U	0.021 U	0.018 U	0.022 U	6.1 U	0.019 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.021 U	0.024 U	0.02 U	0.024 U	0.021 U	0.018 U	0.022 U	6.1 U	0.019 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U
Acetone	1000	10000	10000	610000	**0.037**	**0.019 J**	**0.098**	**0.049**	**0.013 J**	0.018 U	**0.0093 J**	**1.4 J**	**0.0047 J**	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U
Acrylonitrile	0.27	24	28	1.2	0.11 U	0.12 U	0.1 U	0.12 U	0.1 U	0.09 U	0.11 U	31 U	0.093 U	5.4 U	5.5 U	6.1 U	5.3 U	6 U
Benzene	0.5	210	240	5.6	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Bromochloromethane	9	10000	10000		0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Bromodichloromethane	10	45	51	1.4	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Bromoform	10	1500	1700	220	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Bromomethane	1	270	300	35	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Carbon Disulfide	410	10000	10000	3000	**0.0048 J**	0.0059 U	**0.0072**	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Chlorobenzene	10	10000	10000	1500	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	**0.45 J**	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Chlorodibromomethane	10	61	70		0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Chloroethane	90	10000	10000		0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Chloroform	10	17	19	1.5	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Chloromethane	0.3	920	1000	510	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
cis-1,2-Dichloroethene	7	1900	2100		**0.0021 J**	**0.061**	**0.0028 J**	0.0059 U	**0.034**	**0.067**	**0.25**	1.5 U	**0.0062**	**0.45**	**0.46**	**1.6**	**2.6**	**5.1**
cis-1,3-Dichloropropene	2.6	410	470		0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Ethylbenzene	70	10000	10000	29	**0.013**	**0.07**	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	**13**	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Methyl tert-butyl ether	2	3200	3700	190	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Methylene chloride	0.5	3500	4000	54	**0.0012 J**	**0.0019 J**	**0.0015 J**	**0.0015 J**	**0.0016 J B**	**0.0014 J B**	**0.0018 J B**	**0.42 J**	**0.00077 J**	0.27 U	0.27 U	**0.1 J**	0.27 U	0.3 U
Styrene	24	10000	10000	38000	0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Tetrachloroethene	0.5	1500	3300	27	0.0053 U	**0.0084**	**0.0028 J**	0.0059 U	0.0052 U	**0.12**	**0.25**	**2.1 W**	0.0047 U	**0.13 J**	**0.14 J**	**8.1 WZ**	**0.92 W**	**4.3 W**
Toluene	100	10000	10000	46000	0.0053 U	**0.0097**	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	**3**	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
trans-1,2-Dichloroethene	10	3700	4300		0.0053 U	**0.0035 J**	0.0051 U	0.0059 U	0.0052 U	0.0045 U	**0.0035 J**	1.5 U	**0.0011 J**	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
trans-1,3-Dichloropropene	2.6	410	470		0.0053 U	0.0059 U	0.0051 U	0.0059 U	0.0052 U	0.0045 U	0.0055 U	1.5 U	0.0047 U	0.27 U	0.27 U	0.31 U	0.27 U	0.3 U
Trichloroethene	0.5	970	1100	14	0.0053 U	**0.0018 J**	**0.0023 J**	0.0059 U	0.0052 U	**0.05**	**0.18**	1.5 U	0.0047 U	**0.091 J**	**0.13 J**	**0.96 W**	**0.54 W**	**1.5 W**
Vinyl Chloride	0.2	53	220	1.7	**0.0014 J**	**0.013**	**0.0017 J**	0.0059 U	**0.026**	**0.0043 J**	**0.029**	1.5 U	0.0047 U	**0.088 J**	0.27 U	0.31 U	0.27 U	**0.068 J**
Xylenes (Total)	1000	10000	10000	2600	0.016 U	**0.043**	0.015 U	0.018 U	0.016 U	0.013 U	0.017 U	**88**	0.014 U	0.81 U	0.82 U	0.92 U	0.8 U	0.9 U

Laboratory Qualifiers

Qualifier	Explanation
	Organic Data Qualifiers
J	Indicates an estimated value. This flag is used when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
B	Analyte is found in the associated blank, as well as in the sample.
U	Indicates sample was analyzed for, but not detected. Report with the detection limit value.
	Inorganic Data Qualifiers
J	Analyte is found in the associated blank, as well as in the sample.
B	Indicates an estimated value. This flag is used when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
E	Matrix Interference
U	Indicates sample was analyzed for, but not detected. Report with the detection limit value.

Screening Value Comparison Qualifiers

Qualifier	Explanation
	Soils
W	Exceedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Soil to Groundwater (are the greater of the "100 X GW MSC" and "Generic" regulation values).
X	Exceedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Direct Contact 0' to 2' below ground surface.
Y	Exceedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Direct Contact 2' to 15' below ground surface.
Z	Exceedence of the United States EPA Region 3 Risked Based Concentrations for Industrial soil. Per EPA, for certain low-toxicity chemicals, the screening levels exceed possible concentrations at the target risks.

NOTES:

RBCs - Risk Based Concentrations from:
United States Environmental Protection Agency (EPA),
MSCs - Medium Specific Concentrations from:
Pennsylvania Department of Environmental Protection
1 - EPA has indicated that for certain low-toxicity chemicals