Table 1.
Soils Data Summary - Building 41 - North Basin IWTP (IWTP)
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)	SM36-SB-001 1 - 3 7/31/2007 (mg/kg)	SM36-SB-001 4 - 6 7/31/2007 (mg/kg)	SM36-SB-002 1 - 3 7/31/2007 (mg/kg)	SM36-SB-002 4 - 6 7/31/2007 (mg/kg)	SM36-SB-003 2 - 4 7/31/2007 (mg/kg)	SM36-SB-003 4 - 6 7/31/2007 (mg/kg)	SM36-SB-004 4 - 6 7/31/2007 (mg/kg)	SM36-SB-004 4 - 6 7/31/2007 (mg/kg)	SM36-SB-005 1 - 3 7/31/2007 (mg/kg)
Cyanide, Free													
Cyanide, Free	200	56000	190000	20000	0.62 U	0.59 U	0.58 U	0.62 U	0.61 U	0.61 U	0.62 U	0.62 U	0.59 U
Cyanide, Total													
Cyanide, Total	200	56000	190000		0.62 U	0.59 U	0.15 B	0.62 U	**0.12 B**	0.61 U	0.62 U	0.62 U	0.59 U
Hexavalent Chromium													
Hexavalent Chromium	190	420	190000	200	**0.29 B**	0.47 U	0.47 U	0.51 U	**1.2**	**1.2**	**0.29 B**	**0.36 B**	0.49 U
Mercury													
Mercury	10	840	190000	24	**0.049**	**0.026 B**	**0.019 B**	**0.047**	**0.073**	**0.045**	**0.039 B**	**0.047**	**0.02 B**
Metal													
Antimony	27	1100	190000	410	1.2 U	**0.11 B J**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Arsenic	150	53	190000	1.6	**7.3 Z**	**4.3 Z**	**3.9 Z**	**6.6 Z**	**5.1 Z**	**2.9 Z**	**4.1 Z**	**3.1 Z**	**2.6 Z**
Barium	8200	190000	190000	190000	**54.4**	**36.6**	**66.5**	**66**	**57.7**	**46.9**	**52.5**	**60.6**	**45.5**
Beryllium	320	5600	190000	2000	**1.1 J**	**0.49 J**	**0.59 J**	**0.64 J**	**0.65 J**	**0.82 J**	**0.72 J**	**0.51 J**	**0.52 J**
Cadmium	38	210	190000	800	**0.13 B**	**0.064 B**	**0.59**	**0.5 B**	**2.8**	**0.42 B**	**0.73**	**0.49 B**	**0.59**
Chromium				1500000	**24.8**	**9.6**	**10.3**	**13.6**	**26.6**	**20.4**	**15.8**	**10.1**	**16**
Copper	36000	100000	190000	41000	**4.6**	**4**	**3.3**	**3.3**	**7.2**	**7.3**	**4.1**	**2 B**	**5.9**
Lead	450	1000	190000	800	**9.9 J**	**5.9 J**	**7.7 J**	**11.5 J**	**8.9 J**	**8.6 J**	**9.8 J**	**8.4 J**	**10.5 J**
Nickel	650	56000	190000	20000	**10.5**	**6**	**5.6**	**5.7**	**8.7**	**7.9**	**6.9**	**4.7 B**	**5.7**
Selenium	26	14000	190000	5100	**0.65**	**0.38 B**	**0.45 B**	**0.62 U**	**0.58 B**	**0.37 B**	**0.63**	**0.55 B**	0.59 U
Silver	84	14000	190000	5100	0.62 U	0.59 U	0.58 U	0.62 U	0.61 U	0.61 U	0.62 U	0.62 U	0.59 U
Thallium	14	200	190000	66	**2.1**	**0.78 B**	**0.51 B**	**1.1 B**	**0.94 B**	**0.99 B**	**1.2**	**0.66 B**	1.2 U
Vanadium	72000	20000	190000	5200	**25.8**	**13.9**	**15.8**	**24.1**	**20.2**	**27.1**	**23.1**	**21.6**	**32**
Zinc	12000	190000	190000	310000	**13.8**	**13.7**	**12.8**	**12.7**	**20.7**	**15.9**	**30**	**28.2**	**13.7**
SVOC													
1,2,4-Trichlorobenzene	27	10000	10000	400	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
1,2-Dichlorobenzene	60	10000	10000	10000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
1,3-Dichlorobenzene	61	10000	10000	3066	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
1,4-Dichlorobenzene	10	3300	190000	13	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2,4,5-Trichlorophenol	6100	190000	190000	62000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2,4,6-Trichlorophenol	8.9	840	190000	160	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2,4-Dichlorophenol	2	8400	190000	1800	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2,4-Dimethylphenol	200	10000	10000	12000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2,4-Dinitrophenol	4.1	5600	190000	1200	2 U	1.9 U	1.8 U	2 U	2 U	1.9 U	2 U	1.9 U	1.9 U
2,4-Dinitrotoluene	0.84	260	190000	2044	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2,6-Dinitrotoluene	10	2800	190000	620	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2-Chloronaphthalene	18000	190000	190000	82000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2-Chlorophenol	4.4	920	1100	5100	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2-Methylnaphthalene	8000	10000	10000	4100	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2-Methylphenol	510	10000	10000	51100	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
2-Nitroaniline	0.58	160	190000	1800	2 U	1.9 U	1.8 U	2 U	2 U	1.9 U	2 U	1.9 U	1.9 U
2-Nitrophenol	82	22000	190000		0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
3,3'-Dichlorobenzidine	32	180	190000	6.35911	2 U	1.9 U	1.8 U	2 U	2 U	1.9 U	2 U	1.9 U	1.9 U
3/4-Methylphenol				5100	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
3-Nitroaniline	0.58	160	190000		2 U	1.9 U	1.8 U	2 U	2 U	1.9 U	2 U	1.9 U	1.9 U
4,6-Dinitro-2-Methylphenol					2 U	1.9 U	1.8 U	2 U	2 U	1.9 U	2 U	1.9 U	1.9 U
4-Bromophenyl phenyl ether					0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
4-Chloro-3-Methyl-Phenol	110	14000	190000		0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
4-Chloroaniline	52	11000	190000	4088	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
4-Chlorodiphenyl Ether					0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
4-Nitroaniline	0.58	160	190000	86	2 U	1.9 U	1.8 U	2 U	2 U	1.9 U	2 U	1.9 U	1.9 U
4-Nitrophenol	6	22000	190000		2 U	1.9 U	1.8 U	2 U	2 U	1.9 U	2 U	1.9 U	1.9 U
Acenaphthene	4700	170000	190000	33000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Acenaphthylene	6900	170000	190000		0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Anthracene	350	190000	190000	170000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Benzo (A) Anthracene	320	110	190000	2.1	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Benzo (a) Pyrene	46	11	190000	0.21	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Benzo (b) Fluoranthene	170	110	190000	2.1	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Benzo (g,h,i) Perylene	180	170000	190000		0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Benzo (k) Fluoranthene	610	1100	190000	21	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Bis(2-Chloroethoxy) Methane				1800	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Bis(2-Chloroisopropyl) Ether	30	160	190		0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Butylbenzylphthalate	10000	10000	10000	910	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Carbazole	83	4000	190000		0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Chrysene	230	11000	190000	210	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Dibenzo (a,h) Anthracene	160	11	190000	0.21	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Dibenzofuran					0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Diethylphthalate	500	10000	10000	490000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Dimethylphthalate					0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U

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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)	SM36-SB-001 1 - 3 7/31/2007 (mg/kg)	SM36-SB-001 4 - 6 7/31/2007 (mg/kg)	SM36-SB-002 1 - 3 7/31/2007 (mg/kg)	SM36-SB-002 4 - 6 7/31/2007 (mg/kg)	SM36-SB-003 2 - 4 7/31/2007 (mg/kg)	SM36-SB-003 4 - 6 7/31/2007 (mg/kg)	SM36-SB-004 4 - 6 7/31/2007 (mg/kg)	SM36-SB-004 4 - 6 7/31/2007 (mg/kg)	SM36-SB-005 1 - 3 7/31/2007 (mg/kg)
Di-n-Butylphthalate	4100	10000	10000		0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Di-n-octylphthalate	10000	10000	10000		0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Fluoranthene	3200	110000	190000	22000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Fluorene	3800	110000	190000	22000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Hexachlorobenzene	0.96	50	190000	1.1	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Hexachlorobutadiene	1.2	560	10000	22	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Hexachlorocyclopentadiene	91	10000	10000	3700	2 U	1.9 U	1.8 U	2 U	2 U	1.9 U	2 U	1.9 U	1.9 U
Hexachloroethane	0.56	2800	190000	120	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Isophorone	10	10000	10000	1800	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Naphthalene	25	56000	190000	20	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Nitrobenzene	5.1	1400	10000	22	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
N-Nitrosodiphenylamine	83	16000	190000	350	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Pentachlorophenol	5	660	190000	9	2 U	1.9 U	1.8 U	2 U	2 U	1.9 U	2 U	1.9 U	1.9 U
Phenanthrene	10000	190000	190000		0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Phenol	400	190000	190000	180000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Pyrene	2200	84000	190000	17000	0.4 U	0.39 U	0.38 U	0.41 U	0.41 U	0.4 U	0.41 U	0.4 U	0.39 U
Total Solids													
Percent Solids					**81%**	**84.20%**	**86%**	**81%**	**81.50%**	**82.30%**	**80.30%**	**81.30%**	**84.30%**
VOC													
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
1,1-Dichloroethane	11	1000	1200	17	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
1,1-Dichloroethene	0.7	33	38		0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
1,4-Dioxane	2.4	210	240	160	1 U	0.99 U	0.93 U	0.94 U	1.1 U	0.97 U	1.1 U	1 U	0.98 U
2-Butanone	580	10000	10000	190000	0.02 U	0.02 U	0.019 U	0.019 U	0.021 U	0.019 U	0.021 U	0.021 U	0.02 U
2-Hexanone					0.02 U	0.02 U	0.019 U	0.019 U	0.021 U	0.019 U	0.021 U	0.021 U	0.02 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.02 U	0.02 U	0.019 U	0.019 U	0.021 U	0.019 U	0.021 U	0.021 U	0.02 U
Acetone	1000	10000	10000	610000	**0.022**	**0.0095 J**	0.019 U	0.019 U	0.021 U	0.0081 J	0.01 J	**0.011 J**	0.02 U
Acrylonitrile	0.27	24	28	1.2	0.1 U	0.099 U	0.093 U	0.094 U	0.11 U	0.097 U	0.11 U	0.1 U	0.098 U
Benzene	0.5	210	240	5.6	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Bromochloromethane	9	10000	10000		0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U

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Bromodichloromethane	10	45	51	1.4	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Bromoform	10	1500	1700	220	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Bromomethane	1	270	300	35	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Carbon Disulfide	410	10000	10000	3000	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Chlorobenzene	10	10000	10000	1500	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Chlorodibromomethane	10	61	70		0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Chloroethane	90	10000	10000		0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Chloroform	10	17	19	1.5	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Chloromethane	0.3	920	1000	510	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
cis-1,2-Dichloroethene	7	1900	2100		**0.0012 J**	**0.0083**	**0.0025 J**	**0.0024 J**	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
cis-1,3-Dichloropropene	2.6	410	470		0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Ethylbenzene	70	10000	10000	29	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Methyl tert-butyl ether	2	3200	3700	190	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Methylene chloride	0.5	3500	4000	54	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Styrene	24	10000	10000	38000	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Tetrachloroethene	0.5	1500	3300	2.7	**0.0013 J**	**0.026**	0.0047 U	**0.0017 J**	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Toluene	100	10000	10000	46000	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
trans-1,2-Dichloroethene	10	3700	4300		0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
trans-1,3-Dichloropropene	2.6	410	470		0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Trichloroethene	0.5	970	1100	14	**0.0013 J**	**0.03**	0.0047 U	**0.0024 J**	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Vinyl Chloride	0.2	53	220	1.7	0.0051 U	0.0049 U	0.0047 U	0.0047 U	0.0053 U	0.0049 U	0.0054 U	0.0052 U	0.0049 U
Xylenes (Total)	1000	10000	10000	2600	0.015 U	0.015 U	0.014 U	0.014 U	0.016 U	0.015 U	0.016 U	0.016 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	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	Excedence 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	Excedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Direct Contact 0' to 2' below ground surface.
Y	Excedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Direct Contact 2' to 15' below ground surface.
Z	Excedence of the United States EPA Region 3 Risked Based Concentrations for Industrial soil. Per EPA, for certai 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 - North Basin IWTP (IWTP)
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)	SM36-SB-005 2 - 4 7/31/2007 (mg/kg)	SM36-SB-006 2 - 4 7/31/2007 (mg/kg)	SM36-SB-006 4 - 6 7/31/2008 (mg/kg)	SM36-SB-007 1 - 3 7/31/2007 (mg/kg)	SM36-SB-007 4 - 6 7/31/2007 (mg/kg)	SM36-SB-008 1 - 3 7/31/2007 (mg/kg)	SM36-SB-008 4 - 6 7/31/2007 (mg/kg)
Cyanide, Free											
Cyanide, Free	200	56000	190000	20000	0.59 U	0.62 U	0.6 U	0.59 U	0.74	1.3	0.6 U
Cyanide, Total											
Cyanide, Total	200	56000	190000		0.24 B	0.62 U	0.6 U	0.59 U	0.11 B	0.59 U	0.15 B
Hexavalent Chromium											
Hexavalent Chromium	190	420	190000	200	0.48 U	0.51 U	0.25 B	0.46 U	0.47 U	0.49 U	0.5 U
Mercury											
Mercury	10	840	190000	24	0.028 B	0.093	0.04 U	0.027 B	0.025 B	0.063	0.029 B
Metal											
Antimony	27	1100	190000	410	0.2 B J	1.2 U	1.2 U	0.13 B J	1.1 U	0.11 B J	1.2 U
Arsenic	150	53	190000	1.6	2.5 Z	2.4 Z	2 Z	2.2 Z	1.5	2.7 Z	3.7 Z
Barium	8200	190000	190000	190000	47.2	66.7	60.5	78	64.4	78.4	87.4
Beryllium	320	5600	190000	2000	0.57 J	0.83 J	0.73 J	0.96 J	0.82 J	0.32 B J	0.9 J
Cadmium	38	210	190000	800	1.1	1.9	0.12 B	0.14 B	0.57 U	0.095 B	0.077 B
Chromium				1500000	13.1	16.1	16.6	9.9	7	9.4	8.4
Copper	36000	100000	190000	41000	6.3	6.3	7.2	4.1	2.7 B	1.5 B	2.1 B
Lead	450	1000	190000	800	10 J	9.8 J	9 J	10.9 J	10 J	11 J	13.2 J
Nickel	650	56000	190000	20000	6.9	6.7	7.3	3.1 B	2.8 B	2.8 B	3.1 B
Selenium	26	14000	190000	5100	0.59 U	0.62 U	0.6 U	0.59 U	0.57 U	0.41 B	0.6 U
Silver	84	14000	190000	5100	0.59 U	0.62 U	0.6 U	0.59 U	0.57 U	0.59 U	0.6 U
Thallium	14	200	190000	66	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	0.84 B	0.95 B
Vanadium	72000	20000	190000	5200	27.4	31.5	26.2	21.3	14	16.9	18.3
Zinc	12000	190000	190000	310000	22	14.7	17.1	13.6	10	10.6	23.1
SVOC											
1,2,4-Trichlorobenzene	27	10000	10000	400	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
1,2-Dichlorobenzene	60	10000	10000	10000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
1,3-Dichlorobenzene	61	10000	10000	3066	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
1,4-Dichlorobenzene	10	3300	190000	13	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2,4,5-Trichlorophenol	6100	190000	190000	62000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2,4,6-Trichlorophenol	8.9	840	190000	160	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2,4-Dichlorophenol	2	8400	190000	1800	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2,4-Dimethylphenol	200	10000	10000	12000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2,4-Dinitrophenol	4.1	5600	190000	1200	1.9 U	2 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrotoluene	0.84	260	190000	2044	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2,6-Dinitrotoluene	10	2800	190000	620	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2-Chloronaphthalene	18000	190000	190000	82000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2-Chlorophenol	4.4	920	1100	5100	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2-Methylnaphthalene	8000	10000	10000	4100	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2-Methylphenol	510	10000	10000	51100	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
2-Nitroaniline	0.58	160	190000	1800	1.9 U	2 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
2-Nitrophenol	82	22000	190000		0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
3,3'-Dichlorobenzidine	32	180	190000	6.35911	1.9 U	2 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
3/4-Methylphenol				5100	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
3-Nitroaniline	0.58	160	190000		1.9 U	2 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4,6-Dinitro-2-Methylphenol					1.9 U	2 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4-Bromophenyl phenyl ether					0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
4-Chloro-3-Methyl-Phenol	110	14000	190000		0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
4-Chloroaniline	52	11000	190000	4088	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
4-Chlorodiphenyl Ether					0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
4-Nitroaniline	0.58	160	190000	86	1.9 U	2 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4-Nitrophenol	6	22000	190000		1.9 U	2 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Acenaphthene	4700	170000	190000	33000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Acenaphthylene	6900	170000	190000		0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Anthracene	350	190000	190000	170000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Benzo (A) Anthracene	320	110	190000	2.1	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Benzo (a) Pyrene	46	11	190000	0.21	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Benzo (b) Fluoranthene	170	110	190000	2.1	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Benzo (g,h,i) Perylene	180	170000	190000		0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Benzo (k) Fluoranthene	610	1100	190000	21	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Bis(2-Chloroethoxy) Methane				1800	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Bis(2-Chloroisopropyl) Ether	30	160	190		0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Butylbenzylphthalate	10000	10000	10000	910	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Carbazole	83	4000	190000		0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Chrysene	230	11000	190000	210	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Dibenzo (a,h) Anthracene	160	11	190000	0.21	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Dibenzofuran					0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Diethylphthalate	500	10000	10000	490000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Dimethylphthalate					0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U

Table 1.
Soils Data Summary - Building 41 - North Basin IWTP (IWTP)
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)	SM36-SB-005 2 - 4 7/31/2007 (mg/kg)	SM36-SB-006 2 - 4 7/31/2007 (mg/kg)	SM36-SB-006 4 - 6 7/31/2008 (mg/kg)	SM36-SB-007 1 - 3 7/31/2007 (mg/kg)	SM36-SB-007 4 - 6 7/31/2007 (mg/kg)	SM36-SB-008 1 - 3 7/31/2007 (mg/kg)	SM36-SB-008 4 - 6 7/31/2007 (mg/kg)
Di-n-Butylphthalate	4100	10000	10000		0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Di-n-octylphthalate	10000	10000	10000		0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Fluoranthene	3200	110000	190000	22000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Fluorene	3800	110000	190000	22000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Hexachlorobenzene	0.96	50	190000	1.1	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Hexachlorobutadiene	1.2	560	10000	22	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Hexachlorocyclopentadiene	91	10000	10000	3700	1.9 U	2 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Hexachloroethane	0.56	2800	190000	120	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Isophorone	10	10000	10000	1800	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Naphthalene	25	56000	190000	20	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Nitrobenzene	5.1	1400	10000	22	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
N-Nitrosodiphenylamine	83	16000	190000	350	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Pentachlorophenol	5	660	190000	9	1.9 U	2 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Phenanthrene	10000	190000	190000		0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Phenol	400	190000	190000	180000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Pyrene	2200	84000	190000	17000	0.39 U	0.4 U	0.39 U	0.39 U	0.38 U	0.39 U	0.4 U
Total Solids											
Percent Solids					**84.60%**	**80.80%**	**83.20%**	**84.20%**	**87%**	**85%**	**82.80%**
VOC											
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
1,1-Dichloroethane	11	1000	1200	17	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
1,1-Dichloroethene	0.7	33	38		0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
1,4-Dioxane	2.4	210	240	160	0.97 U	1 U	1 U	0.95 U	0.93 U	1 U	1 U
2-Butanone	580	10000	10000	190000	0.019 U	0.021 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U
2-Hexanone					0.019 U	0.021 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.019 U	0.021 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U
Acetone	1000	10000	10000	610000	0.019 U	0.021 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U
Acrylonitrile	0.27	24	28	1.2	0.097 U	0.1 U	0.1 U	0.095 U	0.093 U	0.1 U	0.1 U
Benzene	0.5	210	240	5.6	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Bromochloromethane	9	10000	10000		0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U

Table 1.
Soils Data Summary - Building 41 - North Basin IWTP (IWTP)
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)	SM36-SB-005 2 - 4 7/31/2007 (mg/kg)	SM36-SB-006 2 - 4 7/31/2007 (mg/kg)	SM36-SB-006 4 - 6 7/31/2008 (mg/kg)	SM36-SB-007 1 - 3 7/31/2007 (mg/kg)	SM36-SB-007 4 - 6 7/31/2007 (mg/kg)	SM36-SB-008 1 - 3 7/31/2007 (mg/kg)	SM36-SB-008 4 - 6 7/31/2007 (mg/kg)
Bromodichloromethane	10	45	51	1.4	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Bromoform	10	1500	1700	220	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Bromomethane	1	270	300	35	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Carbon Disulfide	410	10000	10000	3000	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Chlorobenzene	10	10000	10000	1500	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Chlorodibromomethane	10	61	70		0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Chloroethane	90	10000	10000		0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Chloroform	10	17	19	1.5	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Chloromethane	0.3	920	1000	510	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
cis-1,2-Dichloroethene	7	1900	2100		0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	**0.0024 J**	**0.0079**
cis-1,3-Dichloropropene	2.6	410	470		0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Ethylbenzene	70	10000	10000	29	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Methyl tert-butyl ether	2	3200	3700	190	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Methylene chloride	0.5	3500	4000	54	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Styrene	24	10000	10000	38000	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Tetrachloroethene	0.5	1500	3300	2.7	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	**0.0032 J**	**0.0049 J**
Toluene	100	10000	10000	46000	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
trans-1,2-Dichloroethene	10	3700	4300		0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
trans-1,3-Dichloropropene	2.6	410	470		0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Trichloroethene	0.5	970	1100	14	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	**0.007**	**0.012**
Vinyl Chloride	0.2	53	220	1.7	0.0048 U	0.0051 U	0.005 U	0.0047 U	0.0047 U	0.005 U	0.0051 U
Xylenes (Total)	1000	10000	10000	2600	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 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	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	Excedence 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	Excedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Direct Contact 0' to 2' below ground surface.
Y	Excedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Direct Contact 2' to 15' below ground surface.
Z	Excedence of the United States EPA Region 3 Risked Based Concentrations for Industrial soil. Per EPA, for certai low-toxicity chemicals, the screening levels exceed possible concentrations at the target risks.

NOTES:

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