Table 1.
Soils Data Summary - Building 45 (B45)
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)	B45-TP-1A 10.5 - 11 1/8/2009 (mg/kg)	B45-TP-1B 11 - 11.5 1/8/2009 (mg/kg)	B45-TP-1C 11 - 11.5 1/8/2009 (mg/kg)	B45-TP-1D 11 - 11.5 1/8/2009 (mg/kg)	B45-TP-1E 11 - 11.5 1/8/2009 (mg/kg)	B45-TP-1F 11 - 11.5 1/8/2009 (mg/kg)	B45-TP-1G 11 - 11.5 1/8/2009 (mg/kg)	B45-TP-1H 11 - 11.5 1/8/2009 (mg/kg)	B45-TP-1H 11 - 11.5 1/8/2009 (mg/kg)
Cyanide, Free													
Cyanide, Free	200	56000	190000	20000	0.62 U	0.71 U	0.59 U	0.69 U	0.7 U	0.66 U	0.62 U	0.61 U	0.62 U
Cyanide, Total													
Cyanide, Total	200	56000	190000		0.62 U	0.71 U	0.59 U	0.69 U	0.7 U	0.66 U	0.62 U	0.61 U	0.62 U
Hexavalent Chromium													
Hexavalent Chromium	190	420	190000	200	0.23 B	0.96	0.47 U	0.63	0.94	0.46 B	0.16 B	0.22 B	0.62
Mercury													
Mercury	10	840	190000	24	0.063 J	0.18 J	0.053 J	0.11 J	0.19 J	0.13 J	0.07 J	0.069 J	0.067 J
Metal													
Antimony	27	1100	190000	410	0.097 B	0.051 B	0.024 B	0.058 B	0.11 B	0.22 B	0.069 B	0.031 B	0.028 B
Arsenic	150	53	190000	1.6	1.1	1.3	0.37	1.1	1.2	1.6	0.52	0.56	0.41
Barium	8200	190000	190000	190000	94.9 J	74.1 J	37.2 J	104 J	118 J	74.5 J	67.5 J	56.1 J	64.2 J
Beryllium	320	5600	190000	2000	0.46	0.64	0.21	0.88	1	0.51	0.38	0.44	0.43
Cadmium	38	210	190000	800	0.066 B	0.097 B	0.039 B	0.14	0.17	0.2	0.072 B	0.079 B	0.068 B
Chromium				1500000	11.1 J	17.4 J	7.4 J	16.1 J	20.7 J	12.8 J	10.1 J	9.3 J	9.3 J
Copper	36000	100000	190000	41000	6.5	6.3	1.5	10.2	11.6	14.5	2.5	3.2	2.5
Lead	450	1000	190000	800	15.1 J	19.1 J	8.4 J	21.9 J	21.2 J	27.6 J	11.6 J	11.4 J	12.1 J
Nickel	650	56000	190000	20000	3.9 J	4.4 J	2.1 J	5.3 J	6.9 J	5 J	2.3 J	2.3 J	2.3 J
Selenium	26	14000	190000	5100	0.39 B	0.51 B	0.25 B	0.52 B	0.64 B	0.48 B	0.32 B	0.35 B	0.29 B
Silver	84	14000	190000	5100	0.12 U	0.14 U	0.12 U	0.023 B	0.071 B	0.0053 B	0.12 U	0.12 U	0.12 U
Thallium	14	200	190000	66	0.29	0.34	0.17	0.33	0.3	0.22 E	0.22	0.19	0.22
Vanadium	72000	20000	190000	5200	12.5 J	18.1 J	7.8 J	14.1 J	19.6 J	14.4 J	10.8 J	10 J	10.8 J
Zinc	12000	190000	190000	310000	13.8 J	13.5 J	5.6 J	17.9 J	20 J	18.6 J	8 J	7 J	6.8 J
SVOC													
1,2,4-Trichlorobenzene	27	10000	10000	400	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
1,2-Dichlorobenzene	60	10000	10000	10000	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
1,3-Dichlorobenzene	61	10000	10000	3066	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
1,4-Dichlorobenzene	10	3300	190000	13	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2,4,5-Trichlorophenol	6100	190000	190000	62000	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2,4,6-Trichlorophenol	8.9	840	190000	160	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2,4-Dichlorophenol	2	8400	190000	1800	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2,4-Dimethylphenol	200	10000	10000	12000	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2,4-Dinitrophenol	4.1	5600	190000	1200	2.1 U	2.4 U	2 U	2.3 U	2.4 U	2.3 U	2.1 U	2.1 U	2.1 U
2,4-Dinitrotoluene	0.84	260	190000	2044	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2,6-Dinitrotoluene	10	2800	190000	620	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2-Chloronaphthalene	18000	190000	190000	82000	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2-Chlorophenol	4.4	920	1100	5100	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2-Methylnaphthalene	8000	10000	10000	4100	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2-Methylphenol	510	10000	10000	51100	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
2-Nitroaniline	0.58	160	190000	1800	2.1 U	2.4 U	2 U	2.3 U	2.4 U	2.3 U	2.1 U	2.1 U	2.1 U
2-Nitrophenol	82	22000	190000		0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
3,3'-Dichlorobenzidine	32	180	190000	6.35911	2 U	2.3 U	1.9 U	2.2 U	2.2 U	2.1 U	2 U	2 U	2 U
3/4-Methylphenol				5100	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
3-Nitroaniline	0.58	160	190000		2.1 U	2.4 U	2 U	2.3 U	2.4 U	2.3 U	2.1 U	2.1 U	2.1 U
4,6-Dinitro-2-Methylphenol					2.1 U	2.4 U	2 U	2.3 U	2.4 U	2.3 U	2.1 U	2.1 U	2.1 U
4-Bromophenyl phenyl ether					0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
4-Chloro-3-Methyl-Phenol	110	14000	190000		0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
4-Chloroaniline	52	11000	190000	4088	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
4-Chlorodiphenyl Ether					0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
4-Nitroaniline	0.58	160	190000	86	2.1 U	2.4 U	2 U	2.3 U	2.4 U	2.3 U	2.1 U	2.1 U	2.1 U
4-Nitrophenol	6	22000	190000		2.1 U	2.4 U	2 U	2.3 U	2.4 U	2.3 U	2.1 U	2.1 U	2.1 U
Acenaphthene	4700	170000	190000	33000	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Acenaphthylene	6900	170000	190000		0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Anthracene	350	190000	190000	170000	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Benzo (A) Anthracene	320	110	190000	2.1	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Benzo (a) Pyrene	46	11	190000	0.21	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Benzo (b) Fluoranthene	170	110	190000	2.1	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Benzo (g,h,i) Perylene	180	170000	190000		0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Benzo (k) Fluoranthene	610	1100	190000	21	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U

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Bis(2-Chloroethoxy) Methane				1800	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Bis(2-Chloroisopropyl) Ether	30	160	190		0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Butylbenzylphthalate	10000	10000	10000	910	0.41 U	**0.072 J**	**0.038 J**	0.45 U	0.46 U	0.44 U	**0.04 J**	**0.03 J**	0.4 U
Carbazole	83	4000	190000		0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Chrysene	230	11000	190000	210	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Dibenzo (a,h) Anthracene	160	11	190000	0.21	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Dibenzofuran					0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Diethylphthalate	500	10000	10000	490000	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Dimethylphthalate					0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Di-n-Butylphthalate	4100	10000	10000		0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Di-n-octylphthalate	10000	10000	10000		0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Fluoranthene	3200	110000	190000	22000	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Fluorene	3800	110000	190000	22000	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Hexachlorobenzene	0.96	50	190000	1.1	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Hexachlorobutadiene	1.2	560	10000	22	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Hexachlorocyclopentadiene	91	10000	10000	3700	2 U	2.3 U	1.9 U	2.2 U	2.2 U	2.1 U	2 U	2 U	2 U
Hexachloroethane	0.56	2800	190000	120	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Isophorone	10	10000	10000	1800	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Naphthalene	25	56000	190000	20	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Nitrobenzene	5.1	1400	10000	22	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
N-Nitrosodiphenylamine	83	16000	190000	350	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Pentachlorophenol	5	660	190000	9	2 U	2.3 U	1.9 U	2.2 U	2.2 U	2.1 U	2 U	2 U	2 U
Phenanthrene	10000	190000	190000		0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Phenol	400	190000	190000	180000	**0.072 J B**	**0.027 J B**	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Pyrene	2200	84000	190000	17000	0.41 U	0.47 U	0.39 U	0.45 U	0.46 U	0.44 U	0.41 U	0.4 U	0.4 U
Total Solids													
Percent Solids					**80.40%**	**70.10%**	**84.10%**	**72.20%**	**71.80%**	**75.40%**	**80.50%**	**81.80%**	**81.10%**
VOC													
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0054 U	**0.0014 J**	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
1,1-Dichloroethane	11	1000	1200	17	0.0054 U	**0.0029 J**	0.0051 U	**0.0011 J**	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
1,1-Dichloroethene	0.7	33	38		0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
1,4-Dioxane	2.4	210	240	160	1.1 U	1.4 U	1 U	1.3 U	1.4 U	1.3 U	1.1 U	1 U	1.2 U
2-Butanone	580	10000	10000	190000	0.022 U	0.029 U	0.02 U	0.025 U	0.027 U	0.027 U	0.021 U	0.02 U	0.023 U
2-Hexanone					0.022 U	0.029 U	0.02 U	0.025 U	0.027 U	0.027 U	0.021 U	0.02 U	0.023 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.022 U	0.029 U	0.02 U	0.025 U	0.027 U	0.027 U	0.021 U	0.02 U	0.023 U
Acetone	1000	10000	10000	610000	0.022 U	0.029 U	0.02 U	0.025 U	0.027 U	0.027 U	0.021 U	0.02 U	0.023 U
Acrylonitrile	0.27	24	28	1.2	0.11 U	0.14 U	0.1 U	0.13 U	0.14 U	0.13 U	0.11 U	0.1 U	0.12 U
Benzene	0.5	210	240	5.6	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Bromochloromethane	9	10000	10000		0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Bromodichloromethane	10	45	51	1.4	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Bromoform	10	1500	1700	220	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U

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Bromomethane	1	270	300	35	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Carbon Disulfide	410	10000	10000	3000	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Chlorobenzene	10	10000	10000	1500	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Chlorodibromomethane	10	61	70		0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Chloroethane	90	10000	10000		0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Chloroform	10	17	19	1.5	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Chloromethane	0.3	920	1000	510	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
cis-1,2-Dichloroethene	7	1900	2100		**0.00096 J**	**0.0019 J**	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
cis-1,3-Dichloropropene	2.6	410	470		0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Ethylbenzene	70	10000	10000	29	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Methyl tert-butyl ether	2	3200	3700	190	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Methylene chloride	0.5	3500	4000	54	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Styrene	24	10000	10000	38000	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Tetrachloroethene	0.5	1500	3300	2.7	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Toluene	100	10000	10000	46000	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
trans-1,2-Dichloroethene	10	3700	4300		0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
trans-1,3-Dichloropropene	2.6	410	470		0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Trichloroethene	0.5	970	1100	14	**0.001 J**	**0.0026 J**	0.0051 U	**0.0011 J**	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Vinyl Chloride	0.2	53	220	1.7	0.0054 U	0.0072 U	0.0051 U	0.0063 U	0.0068 U	0.0066 U	0.0053 U	0.0051 U	0.0059 U
Xylenes (Total)	1000	10000	10000	2600	0.016 U	0.022 U	0.015 U	0.019 U	0.02 U	0.02 U	0.016 U	0.015 U	0.018 U

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
B	Analyte is found in the associated blank, as well as in the
U	with the detection limit value.
	Inorganic Data Qualifiers
J	Analyte is found in the associated blank, as well as in the
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
E	Matrix Interference
U	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 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.