Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-001 1 - 3 8/24/2007	B2CO-SB-001 11 - 13 8/24/2007	B2CO-SB-001 20 - 22 8/24/2007	B2CO-SB-002 1 - 3 8/24/2007	B2CO-SB-002 1 - 3 7/13/2007	B2CO-SB-002 11 - 13 8/24/2007	B2CO-SB-002 18 - 20 8/24/2007	B2CO-SB-003 1 - 3 6/24/2007	B2CO-SB-004 1 - 3 6/23/2007	B2CO-SB-004 17 - 19 6/23/2007
Cyanide, Free														
Cyanide, Free	200	56000	190000	20000	1.9	0.22 B	0.17 B	2.2	0.6 U	0.62 U	0.63 U	0.54 U	0.54 U	0.59 U
Cyanide, Total														
Cyanide, Total	200	56000	190000	20000	0.57 U	0.22 B	0.56 U	0.59 U	0.12 B	0.62 U	0.63 U	0.54 U	0.54 U	0.59 U
Hexavalent Chromium														
Hexavalent Chromium	190	420	190000	200	0.45 UJ	0.53 UJ	0.44 UJ	0.28 J	0.48	0.49 UJ	0.5 UJ	0.44 U	0.42 U	0.84
Mercury														
Mercury	10	840	190000	24	0.038	0.078	0.24	0.039	0.096	0.15	0.19	0.049	0.041	0.21
Metal														
Antimony	27	1100	190000	410	1.1 U	1.3 UJ	1.1 UJ	1.2 U	1.2 U	1.2 UJ	1.3 UJ	1.1 U	1.1 U	1.2 U
Arsenic	150	53	190000	1.6	2.3	3.7	2.8	3.3	1.3	3	3.9	2.4	4.7	3.4
Barium	8200	190000	190000	190000	60.2	39.3	21.6 B	78.7	29.1	39.4	19.6 B	68.9 J	55.1 J	42.9 J
Beryllium	320	5600	190000	2000	0.46 U	2.3 J	1.9 J	0.95 J	1.6 J	1.7 J	2.7 J	0.69 J	0.89 J	0.74 J
Cadmium	38	210	190000	800	0.57 UJ	3.3 UJ	1.6 J	1.2 UJ	0.6 U	3.1 UJ	3.2 UJ	0.54 U	0.54 U	0.59 U
Chromium				1400	6.7	20.5	8.8	19.1	23.1	11.7	12.5	9.9	10.8	14.5
Copper	36000	100000	190000	41000	4.2 J	35.9 J	13.8 J	10.2 J	17.6	17.5 J	22.2 J	3.9	4.1	7.2
Lead	450	1000	190000	800	7.5	7.3	12.9	8.5	4.2	11.4	18.5	10.8	8.1	5.5
Nickel	650	56000	190000	20000	4.2 B	20.9	24.9	8.7	5.5	11.4	24.2	4.2 B	3.5 B	6.6
Selenium	26	14000	190000	5100	0.35 B	0.95	0.81	0.77	0.64	0.81	1.3	0.54 U	0.54 U	0.34 B
Silver	84	14000	190000	5100	0.57 U	0.67 U	0.56 U	0.59 U	0.6 U	0.62 U	0.63 U	0.54 U	0.049 B	0.59 U
Thallium	14	200	190000	66	1.1 U	2	1.6	1.5	1.2 U	1.4	2.2	0.45 B	1.1 U	0.41 B
Vanadium	72000	20000	190000	7200	14.3	33.9	11.6	38.9	53.6	24	18.8	17	17.7	22.1
Zinc	12000	190000	190000	310000	16.1 J	65.2 J	98.4 J	23.6 J	19.6 J	43.7 J	93.9 J	34.9	9.9	13.3
Polychlorinated Biphenols														
Arochlor-1016	200	200	10000	21	0.019 U	0.022 U	0.019 U	0.02 U		0.021 U	0.021 U			
Arochlor-1221	2.5	160	10000	0.62	0.019 U	0.022 U	0.019 U	0.02 U		0.021 U	0.021 U			
Arochlor-1232	2	160	10000	0.62	0.019 U	0.022 U	0.019 U	0.02 U		0.021 U	0.021 U			
Arochlor-1242	62	160	10000	0.74	0.019 U	0.022 U	0.019 U	0.02 U		0.021 U	0.021 U			
Arochlor-1248	67	44	10000	0.74	0.019 U	0.022 U	0.019 U	0.02 U		0.021 U	0.021 U			
Arochlor-1254	280	44	10000	0.74	0.019 U	0.022 U	0.019 U	0.02 U		0.021 U	0.021 U			
Arochlor-1260	1900	130	190000	0.74	0.084	0.022 U	0.019 U	0.02 U		0.021 U	0.021 U			
Semi Volatile Organic Compound														
1,2,4-Trichlorobenzene	27	10000	10000	400	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
1,2-Dichlorobenzene	60	10000	10000	10000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
1,3-Dichlorobenzene	61	10000	10000		0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
1,4-Dichlorobenzene	10	3300	190000	13	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2,4,5-Trichlorophenol	6100	190000	190000	62000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2,4,6-Trichlorophenol	8.9	840	190000	160	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2,4-Dichlorophenol	2	8400	190000	1800	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2,4-Dimethylphenol	200	10000	10000	12000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2,4-Dinitrophenol	4.1	5600	190000	1200	1.8 U	2.1 U	1.8 U	1.9 U		2 U	2 U			
2,4-Dinitrotoluene	0.84	260	190000	5.5	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2,6-Dinitrotoluene	10	2800	190000	620	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2-Chloronaphthalene	18000	190000	190000	82000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2-Chlorophenol	4.4	920	1100	5100	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2-Methylnaphthalene	8000	10000	10000	4100	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2-Methylphenol	510	10000	10000	31000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
2-Nitroaniline	0.58	160	190000	1800	1.8 U	2.1 U	1.8 U	1.9 U		2 U	2 U			
2-Nitrophenol	82	22000	190000		0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
3,3'-Dichlorobenzidine	32	180	190000	3.8	1.8 U	2.1 U	1.8 U	1.9 U		2 U	2 U			
3/4-Methylphenol				5100	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

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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 RSL Industrial Soil (mg/kg)	B2CO-SB-001 1 - 3 8/24/2007	B2CO-SB-001 11 - 13 8/24/2007	B2CO-SB-001 20 - 22 8/24/2007	B2CO-SB-002 1 - 3 8/24/2007	B2CO-SB-002 1 - 3 7/13/2007	B2CO-SB-002 11 - 13 8/24/2007	B2CO-SB-002 18 - 20 8/24/2007	B2CO-SB-003 1 - 3 6/24/2007	B2CO-SB-004 1 - 3 6/23/2007	B2CO-SB-004 17 - 19 6/23/2007
3-Nitroaniline	0.58	160	190000		1.8 U	2.1 U	1.8 U	1.9 U		2 U	2 U			
4,6-Dinitro-2-Methylphenol				62	1.8 U	2.1 U	1.8 U	1.9 U		2 U	2 U			
4-Bromophenyl phenyl ether					0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
4-Chloro-3-Methyl-Phenol	110	14000	190000		0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
4-Chloroaniline	52	11000	190000	8.6	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
4-Chlorodiphenyl Ether					0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
4-Nitroaniline	0.58	160	190000	86	1.8 U	2.1 U	1.8 U	1.9 U		2 U	2 U			
4-Nitrophenol	6	22000	190000		1.8 U	2.1 U	1.8 U	1.9 U		2 U	2 U			
Acenaphthene	4700	170000	190000	33000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Acenaphthylene	6900	170000	190000	33000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Anthracene	350	190000	190000	170000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Benzo (A) Anthracene	320	110	190000	2.1	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Benzo (a) Pyrene	46	11	190000	0.21	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Benzo (b) Fluoranthene	170	110	190000	2.1	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Benzo (g,h,i) Perylene	180	170000	190000		0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Benzo (k) Fluoranthene	610	1100	190000	21	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Bis(2-Chloroethoxy) Methane				1800	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Bis(2-Chloroisopropyl) Ether	30	160	190	17	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Butylbenzylphthalate	10000	10000	10000	910	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Carbazole	83	4000	190000		0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Chrysene	230	11000	190000	210	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Dibenzo (a,h) Anthracene	160	11	190000	0.21	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Dibenzofuran					0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Diethylphthalate	500	10000	10000	490000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Dimethylphthalate					0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Di-n-Butylphthalate	4100	10000	10000	62000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Di-n-octylphthalate	10000	10000	10000		0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Fluoranthene	3200	110000	190000	22000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Fluorene	3800	110000	190000	22000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Hexachlorobenzene	0.96	50	190000	1.1	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Hexachlorobutadiene	1.2	560	10000	22	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Hexachlorocyclopentadiene	91	10000	10000	3700	1.8 U	2.1 U	1.8 U	1.9 U		2 U	2 U			
Hexachloroethane	0.56	2800	190000	120	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Isophorone	10	10000	10000	1800	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Naphthalene	25	56000	190000	20	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Nitrobenzene	5.1	1400	10000	22	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
N-Nitrosodiphenylamine	83	16000	190000	350	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Pentachlorophenol	5	660	190000	9	1.8 U	2.1 U	1.8 U	1.9 U		2 U	2 U			
Phenanthrene	10000	190000	190000		0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Phenol	400	190000	190000	180000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Pyrene	2200	84000	190000	17000	0.37 U	0.44 U	0.37 U	0.39 U		0.41 U	0.42 U			
Total Solids														
Percent Solids					87.30%	74.70%	89.50%	84.70%	82.90%	80.70%	79.30%	92.50%	92.30%	84.60%
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U

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1,1,2-Trichloroethane	0.5	100	120	5.5	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
1,1,2-Trichlorofluoromethane	200	10000	10000	3400										
1,1-Dichloroethane	11	1000	1200	17	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
1,1-Dichloroethene	0.7	33	38	1100	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
1,4-Dioxane	2.4	210	240	160	0.96 U	1.2 U	0.96 U	1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2-Butanone	580	10000	10000	190000	0.019 U	0.025 U	0.019 U	0.02 U	0.023 U	0.022 U	0.022 U	0.023 U	0.022 U	0.022 U
2-Chloroethyl Vinyl Ether														
2-Hexanone					0.019 U	0.025 U	0.019 U	0.02 U	0.023 U	0.022 U	0.022 U	0.023 U	0.022 U	0.022 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.019 U	0.025 U	0.019 U	0.02 U	0.023 U	0.022 U	0.022 U	0.023 U	0.022 U	0.022 U
Acetone	1000	10000	10000	610000	0.019 U	0.025 U	0.019 U	0.02 U	0.023 U	0.022 U	0.022 U	0.023 U	0.022 U	0.022 U
Acrolein	0.012	1.1	1.2	0.68										
Acrylonitrile	0.27	24	28	1.2	0.096 U	0.12 U	0.096 U	0.1 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Benzene	0.5	210	240	5.6	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Bromochloromethane	9	10000	10000		0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Bromodichloromethane	10	45	51	1.4	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Bromoform	10	1500	1700	220	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Bromomethane	1	270	300	35	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Carbon Disulfide	410	10000	10000	3000	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Chlorobenzene	10	10000	10000	1500	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Chlorodibromomethane	10	61	70	3.4	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Chloroethane	90	10000	10000	62000	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Chloroform	10	17	19	1.5	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Chloromethane	0.3	920	1000	510	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0.0048 U	0.039	0.029	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Ethylbenzene	70	10000	10000	29	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Methyl tert-butyl ether	2	3200	3700	190	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Methylene chloride	0.5	3500	4000	54	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0042 J B	0.0055 U	0.0055 U	0.0026 J B	0.0027 J B	0.0032 J B
Styrene	24	10000	10000	38000	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Tetrachloroethene	0.5	1500	3300	2.7	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Toluene	100	10000	10000	46000	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0017 J	0.0055 U
trans-1,2-Dichloroethene	10	3700	4300	500	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Trichloroethene	0.5	970	1100	14	0.0048 U	0.0035 J	0.015	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0017 J	0.0055 U
Vinyl Chloride	0.2	53	220	1.7	0.0048 U	0.0062 U	0.0048 U	0.0051 U	0.0059 U	0.0055 U	0.0055 U	0.0057 U	0.0054 U	0.0055 U
Xylenes (Total)	1000	10000	10000	2600	0.014 U	0.019 U	0.014 U	0.015 U	0.018 U	0.017 U	0.016 U	0.017 U	0.016 U	0.016 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-004 23 - 25 6/23/2007	B2CO-SB-005 1 - 3 6/24/2007	B2CO-SB-005 10 - 12 7/8/2007	B2CO-SB-005 15 - 17 7/8/2007	B2CO-SB-006 0 - 2 6/23/2007	B2CO-SB-006 10 - 12 6/23/2007	B2CO-SB-006 23 - 25 6/23/2007	B2CO-SB-007 1 - 3 6/23/2007	B2CO-SB-007 11 - 13 7/7/2007	B2CO-SB-007 23 - 25 7/7/2007
Cyanide, Free														
Cyanide, Free	200	56000	190000	20000	0.64 U	0.42 B J	0.55 U	0.61 U	0.24 B J	0.54 U	0.66 U	0.58 U	0.64 U	0.61 U
Cyanide, Total														
Cyanide, Total	200	56000	190000	20000	0.64 U	0.79	0.55 U	0.61 U	0.54 U	0.54 U	0.29 B	0.58	0.25 B	0.61 U
Hexavalent Chromium														
Hexavalent Chromium	190	420	190000	200	0.52 U	0.44 U	0.44 U	0.47 U	0.43 U	2.6	0.65	0.47 U	0.26 B	0.5 U
Mercury														
Mercury	10	840	190000	24	0.067	0.039	0.038	0.04 U	0.044	0.034 B	0.12	0.098	0.041 B	0.12
Metal														
Antimony	27	1100	190000	410	2.6 U	1.1 U	0.23 B J	1.2 U	1.1 U	1.1 U	1.3 U	1.2 U	0.16 B J	1.2 U
Arsenic	150	53	190000	1.6	3.5	2.6	2.6	3	3.8	3.4	2.8	2.6	2.7	4.8
Barium	8200	190000	190000	190000	32.9 B J	34.7 J	20.9 B	25.8	37.9 J	36 J	40.1 J	54.1 J	46.6	28.5
Beryllium	320	5600	190000	2000	1.8 J	0.73 J	0.72 J	1.5 J	1.1 J	0.8 J	1.3 J	1 J	1.3 J	1.6 J
Cadmium	38	210	190000	800	1.3 U	0.54 U	1.1 U	1.2 U	0.54 U	0.54 U	0.66 U	0.58 U	0.64 U	1.2 U
Chromium				1400	10.2	9	12.1	11.8	14	23	20.1	13.1	8.7	7.4
Copper	36000	100000	190000	41000	18	3.2	9.7	16.4	4.9	5.4	15.9	10.7	18.5	17.5
Lead	450	1000	190000	800	8.2	7.7	10.7	10.3	6.8	7.7	9.2	9.3	10.8	12
Nickel	650	56000	190000	20000	12.7	3.9 B	5.4	12.8	4.6	4.2 B	11.3	7.3	15.3	28.8
Selenium	26	14000	190000	5100	1.3 U	0.54 U	0.55 U	0.61 U	0.54 U	0.54 U	0.66 U	0.58 U	0.64 U	0.61 U
Silver	84	14000	190000	5100	1.3 U	0.085 B	0.55 U	0.61 U	0.54 U	0.54 U	0.66 U	0.58 U	0.64 U	0.61 U
Thallium	14	200	190000	66	2.6 U	1.1 U	0.37 B	0.88 B	1.1 U	1.1 U	0.64 B	1.2 U	1.2 B	1.3
Vanadium	72000	20000	190000	7200	16.7	14.2	12.6	16.3	18	16.2	30.5	19.7	15.3	13
Zinc	12000	190000	190000	310000	39.2	30.5	33.2	51	7	16.4	27.4	29.8	47.9	77.3
Polychlorinated Biphenols														
Arochlor-1016	200	200	10000	21										
Arochlor-1221	2.5	160	10000	0.62										
Arochlor-1232	2	160	10000	0.62										
Arochlor-1242	62	160	10000	0.74										
Arochlor-1248	67	44	10000	0.74										
Arochlor-1254	280	44	10000	0.74										
Arochlor-1260	1900	130	190000	0.74										
Semi Volatile Organic Compound														
1,2,4-Trichlorobenzene	27	10000	10000	400										
1,2-Dichlorobenzene	60	10000	10000	10000										
1,3-Dichlorobenzene	61	10000	10000											
1,4-Dichlorobenzene	10	3300	190000	13										
2,4,5-Trichlorophenol	6100	190000	190000	62000										
2,4,6-Trichlorophenol	8.9	840	190000	160										
2,4-Dichlorophenol	2	8400	190000	1800										
2,4-Dimethylphenol	200	10000	10000	12000										
2,4-Dinitrophenol	4.1	5600	190000	1200										
2,4-Dinitrotoluene	0.84	260	190000	5.5										
2,6-Dinitrotoluene	10	2800	190000	620										
2-Chloronaphthalene	18000	190000	190000	82000										
2-Chlorophenol	4.4	920	1100	5100										
2-Methylnaphthalene	8000	10000	10000	4100										
2-Methylphenol	510	10000	10000	31000										
2-Nitroaniline	0.58	160	190000	1800										
2-Nitrophenol	82	22000	190000											
3,3'-Dichlorobenzidine	32	180	190000	3.8										
3/4-Methylphenol				5100										

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-004 23 - 25 6/23/2007	B2CO-SB-005 1 - 3 6/24/2007	B2CO-SB-005 10 - 12 7/8/2007	B2CO-SB-005 15 - 17 7/8/2007	B2CO-SB-006 0 - 2 6/23/2007	B2CO-SB-006 10 - 12 6/23/2007	B2CO-SB-006 23 - 25 6/23/2007	B2CO-SB-007 1 - 3 6/23/2007	B2CO-SB-007 11 - 13 7/7/2007	B2CO-SB-007 23 - 25 7/7/2007
3-Nitroaniline	0.58	160	190000											
4,6-Dinitro-2-Methylphenol				62										
4-Bromophenyl phenyl ether														
4-Chloro-3-Methyl-Phenol	110	14000	190000											
4-Chloroaniline	52	11000	190000	8.6										
4-Chlorodiphenyl Ether														
4-Nitroaniline	0.58	160	190000	86										
4-Nitrophenol	6	22000	190000											
Acenaphthene	4700	170000	190000	33000										
Acenaphthylene	6900	170000	190000	33000										
Anthracene	350	190000	190000	170000										
Benzo (A) Anthracene	320	110	190000	2.1										
Benzo (a) Pyrene	46	11	190000	0.21										
Benzo (b) Fluoranthene	170	110	190000	2.1										
Benzo (g,h,i) Perylene	180	170000	190000											
Benzo (k) Fluoranthene	610	1100	190000	21										
Bis(2-Chloroethoxy) Methane				1800										
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9										
Bis(2-Chloroisopropyl) Ether	30	160	190	17										
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120										
Butylbenzylphthalate	10000	10000	10000	910										
Carbazole	83	4000	190000											
Chrysene	230	11000	190000	210										
Dibenzo (a,h) Anthracene	160	11	190000	0.21										
Dibenzofuran														
Diethylphthalate	500	10000	10000	490000										
Dimethylphthalate														
Di-n-Butylphthalate	4100	10000	10000	62000										
Di-n-octylphthalate	10000	10000	10000											
Fluoranthene	3200	110000	190000	22000										
Fluorene	3800	110000	190000	22000										
Hexachlorobenzene	0.96	50	190000	1.1										
Hexachlorobutadiene	1.2	560	10000	22										
Hexachlorocyclopentadiene	91	10000	10000	3700										
Hexachloroethane	0.56	2800	190000	120										
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1										
Isophorone	10	10000	10000	1800										
Naphthalene	25	56000	190000	20										
Nitrobenzene	5.1	1400	10000	22										
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25										
N-Nitrosodiphenylamine	83	16000	190000	350										
Pentachlorophenol	5	660	190000	9										
Phenanthrene	10000	190000	190000											
Phenol	400	190000	190000	180000										
Pyrene	2200	84000	190000	17000										
Total Solids														
Percent Solids					78.20%	93.40%	91.50%	81.90%	93.40%	93.10%	76.20%	86.70%	78%	81.70%
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-004 23 - 25 6/23/2007	B2CO-SB-005 1 - 3 6/24/2007	B2CO-SB-005 10 - 12 7/8/2007	B2CO-SB-005 15 - 17 7/8/2007	B2CO-SB-006 0 - 2 6/23/2007	B2CO-SB-006 10 - 12 6/23/2007	B2CO-SB-006 23 - 25 6/23/2007	B2CO-SB-007 1 - 3 6/23/2007	B2CO-SB-007 11 - 13 7/7/2007	B2CO-SB-007 23 - 25 7/7/2007
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
1,1,2-Trichlorofluoromethane	200	10000	10000	3400										
1,1-Dichloroethane	11	1000	1200	17	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
1,1-Dichloroethene	0.7	33	38	1100	0.002 J	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0035 J	0.0064 U	0.0055 U	0.0058 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
1,4-Dioxane	2.4	210	240	160	1 U	1.2 U	0.94 U	51 U	1 U	0.96 U	1.2 U	1.3 U	1.1 U	1.2 U
2-Butanone	580	10000	10000	190000	0.021 U	0.023 U	0.019 U	1 U	0.021 U	0.019 U	0.023 U	0.026 U	0.022 U	0.023 U
2-Chloroethyl Vinyl Ether														
2-Hexanone					0.021 U	0.023 U	0.019 U	1 U	0.021 U	0.019 U	0.023 U	0.026 U	0.022 U	0.023 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.021 U	0.023 U	0.019 U	1 U	0.021 U	0.019 U	0.023 U	0.026 U	0.022 U	0.023 U
Acetone	1000	10000	10000	610000	0.021 U	0.023 U	0.019 U	1 U	0.021 U	0.02	0.023 U	0.026 U	0.022 U	0.023 U
Acrolein	0.012	1.1	1.2	0.68										
Acrylonitrile	0.27	24	28	1.2	0.1 U	0.12 U	0.094 U	5.1 U	0.1 U	0.096 U	0.12 U	0.13 U	0.11 U	0.12 U
Benzene	0.5	210	240	5.6	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Bromochloromethane	9	10000	10000		0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Bromodichloromethane	10	45	51	1.4	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Bromoform	10	1500	1700	220	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Bromomethane	1	270	300	35	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Carbon Disulfide	410	10000	10000	3000	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Chlorobenzene	10	10000	10000	1500	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Chlorodibromomethane	10	61	70	3.4	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Chloroethane	90	10000	10000	62000	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Chloroform	10	17	19	1.5	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Chloromethane	0.3	920	1000	510	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0.014	0.0058 U	0.0012 J	3.2	0.0052 U	0.0021 J	0.013	0.0064 U	0.0055 U	0.0018 J
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Ethylbenzene	70	10000	10000	29	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Methyl tert-butyl ether	2	3200	3700	190	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Methylene chloride	0.5	3500	4000	54	0.0025 J B	0.0032 J B	0.0013 J B	0.25 U	0.0025 J B	0.0025 J B	0.0028 J B	0.0031 J B	0.0016 J B	0.0015 J B
Styrene	24	10000	10000	38000	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Tetrachloroethene	0.5	1500	3300	2.7	0.0022 J	0.0058 U	0.0047 U	0.65	0.0052 U	0.0095	0.0058 U	0.0064 U	0.0017 J	0.0058 U
Toluene	100	10000	10000	46000	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
trans-1,2-Dichloroethene	10	3700	4300	500	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Trichloroethene	0.5	970	1100	14	0.046	0.0058 U	0.011	2.9	0.0052 U	0.026	0.081	0.0064 U	0.0055 U	0.0027 J
Vinyl Chloride	0.2	53	220	1.7	0.0052 U	0.0058 U	0.0047 U	0.25 U	0.0052 U	0.0048 U	0.0058 U	0.0064 U	0.0055 U	0.0058 U
Xylenes (Total)	1000	10000	10000	2600	0.016 U	0.017 U	0.014 U	0.76 U	0.016 U	0.014 U	0.018 U	0.019 U	0.016 U	0.017 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-008 1 - 3 7/13/2007	B2CO-SB-008 9 - 11 7/23/2007	B2CO-SB-008 23 - 25 7/23/2007	B2CO-SB-009 1 - 3 6/24/2007	B2CO-SB-009 14 - 16 6/24/2007	B2CO-SB-009 23 - 25 6/24/2007	B2CO-SB-010 1 - 3 6/23/2007	B2CO-SB-010 11 - 13 6/24/2007	B2CO-SB-010 17 - 19 6/24/2007	B2CO-SB-011 1 - 3 7/7/2007
Cyanide, Free														
Cyanide, Free	200	56000	190000	20000	0.6 U	0.61 U	0.62 U	0.54 U	0.64 U	0.76 U	0.6 U	0.59 U	0.59 U	0.59 U
Cyanide, Total														
Cyanide, Total	200	56000	190000	20000	0.26 B	0.21 B	0.32 B	0.54 U	0.64 U	0.76 U	0.6 U	0.11 B	0.59 U	0.19 B
Hexavalent Chromium														
Hexavalent Chromium	190	420	190000	200	0.41 B	0.37 B	0.5 U	0.42 U	0.52 U	0.59 U	0.46 U	0.47 U	0.46 U	0.42 B
Mercury														
Mercury	10	840	190000	24	0.016 B	0.018 B	0.032 B	0.059	0.17	0.11	0.054	0.03 B	0.032 B	0.064
Metal														
Antimony	27	1100	190000	410	1.2 U	1.2 U	0.67 B	1.1 U	1.3 U	3 U	1.2 U	1.2 U	1.2 U	0.25 B J
Arsenic	150	53	190000	1.6	1.7	0.95 B	0.77 B	2.7	3.3	8.1	1.3	1.8	1.2	5
Barium	8200	190000	190000	190000	151	84	62.7	95.8 J	39.1 J	32.6 B J	42.9 J	35 J	19.9 B J	51.8
Beryllium	320	5600	190000	2000	1.2 J	0.51 J	0.57 J	0.77 J	1.4 J	2.3 J	1.1 J	1.2 J	0.7 J	1.1 J
Cadmium	38	210	190000	800	0.6 U	0.61 U	0.087 B	0.54 U	0.64 U	1.5 U	0.6 U	0.59 U	0.59 U	1.2 U
Chromium				1400	11.1	9.6	9.3	15.3	8.9	7.7	20.5	6	7.2	18.8
Copper	36000	100000	190000	41000	2.4 B	2.5 B	4.2	5.1	14.4	24.5	13.4	13	6.3	17.6
Lead	450	1000	190000	800	8.5	6.8	7.1	10.2	9.5	15.9	4.5	7.3	4.4	7.8
Nickel	650	56000	190000	20000	4.7 B	3 B	4.8 B	4.1 B	11.2	12.2	10.3	12	7	10.4
Selenium	26	14000	190000	5100	0.39 B	0.61 U	0.41 B	0.54 U	0.64 U	1.5 U	0.58 B	0.48 B	0.59 U	0.41 B
Silver	84	14000	190000	5100	0.6 U	0.61 U	0.62 U	0.086 B	0.64 U	1.5 U	0.6 U	0.59 U	0.59 U	0.59 U
Thallium	14	200	190000	66	1.2 U	1.2 U	1.2 U	1.1 U	0.59 B	3 U	0.81 B	0.48 B	0.51 B	0.56 B
Vanadium	72000	20000	190000	7200	16.8	10.7	16.5	15.7	22	18.4	22.9	11.1	6.7	36.9
Zinc	12000	190000	190000	310000	12.2 J	10.6 J	13.8 J	6.6	39.5	36.7	22.4	42.4	24.3	36.9
Polychlorinated Biphenols														
Arochlor-1016	200	200	10000	21										
Arochlor-1221	2.5	160	10000	0.62										
Arochlor-1232	2	160	10000	0.62										
Arochlor-1242	62	160	10000	0.74										
Arochlor-1248	67	44	10000	0.74										
Arochlor-1254	280	44	10000	0.74										
Arochlor-1260	1900	130	190000	0.74										
Semi Volatile Organic Compound														
1,2,4-Trichlorobenzene	27	10000	10000	400										
1,2-Dichlorobenzene	60	10000	10000	10000										
1,3-Dichlorobenzene	61	10000	10000											
1,4-Dichlorobenzene	10	3300	190000	13										
2,4,5-Trichlorophenol	6100	190000	190000	62000										
2,4,6-Trichlorophenol	8.9	840	190000	160										
2,4-Dichlorophenol	2	8400	190000	1800										
2,4-Dimethylphenol	200	10000	10000	12000										
2,4-Dinitrophenol	4.1	5600	190000	1200										
2,4-Dinitrotoluene	0.84	260	190000	5.5										
2,6-Dinitrotoluene	10	2800	190000	620										
2-Chloronaphthalene	18000	190000	190000	82000										
2-Chlorophenol	4.4	920	1100	5100										
2-Methylnaphthalene	8000	10000	10000	4100										
2-Methylphenol	510	10000	10000	31000										
2-Nitroaniline	0.58	160	190000	1800										
2-Nitrophenol	82	22000	190000											
3,3'-Dichlorobenzidine	32	180	190000	3.8										
3/4-Methylphenol				5100										

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-008 1 - 3 7/13/2007	B2CO-SB-008 9 - 11 7/23/2007	B2CO-SB-008 23 - 25 7/23/2007	B2CO-SB-009 1 - 3 6/24/2007	B2CO-SB-009 14 - 16 6/24/2007	B2CO-SB-009 23 - 25 6/24/2007	B2CO-SB-010 1 - 3 6/23/2007	B2CO-SB-010 11 - 13 6/24/2007	B2CO-SB-010 17 - 19 6/24/2007	B2CO-SB-011 1 - 3 7/7/2007
3-Nitroaniline	0.58	160	190000											
4,6-Dinitro-2-Methylphenol				62										
4-Bromophenyl phenyl ether														
4-Chloro-3-Methyl-Phenol	110	14000	190000											
4-Chloroaniline	52	11000	190000	8.6										
4-Chlorodiphenyl Ether														
4-Nitroaniline	0.58	160	190000	86										
4-Nitrophenol	6	22000	190000											
Acenaphthene	4700	170000	190000	33000										
Acenaphthylene	6900	170000	190000	33000										
Anthracene	350	190000	190000	170000										
Benzo (A) Anthracene	320	110	190000	2.1										
Benzo (a) Pyrene	46	11	190000	0.21										
Benzo (b) Fluoranthene	170	110	190000	2.1										
Benzo (g,h,i) Perylene	180	170000	190000											
Benzo (k) Fluoranthene	610	1100	190000	21										
Bis(2-Chloroethoxy) Methane				1800										
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9										
Bis(2-Chloroisopropyl) Ether	30	160	190	17										
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120										
Butylbenzylphthalate	10000	10000	10000	910										
Carbazole	83	4000	190000											
Chrysene	230	11000	190000	210										
Dibenzo (a,h) Anthracene	160	11	190000	0.21										
Dibenzofuran														
Diethylphthalate	500	10000	10000	490000										
Dimethylphthalate														
Di-n-Butylphthalate	4100	10000	10000	62000										
Di-n-octylphthalate	10000	10000	10000											
Fluoranthene	3200	110000	190000	22000										
Fluorene	3800	110000	190000	22000										
Hexachlorobenzene	0.96	50	190000	1.1										
Hexachlorobutadiene	1.2	560	10000	22										
Hexachlorocyclopentadiene	91	10000	10000	3700										
Hexachloroethane	0.56	2800	190000	120										
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1										
Isophorone	10	10000	10000	1800										
Naphthalene	25	56000	190000	20										
Nitrobenzene	5.1	1400	10000	22										
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25										
N-Nitrosodiphenylamine	83	16000	190000	350										
Pentachlorophenol	5	660	190000	9										
Phenanthrene	10000	190000	190000											
Phenol	400	190000	190000	180000										
Pyrene	2200	84000	190000	17000										
Total Solids														
Percent Solids					83.50%	81.90%	80.70%	93.40%	78.20%	65.90%	83.60%	84.90%	85.20%	85.10%
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-008 1 - 3 7/13/2007	B2CO-SB-008 9 - 11 7/23/2007	B2CO-SB-008 23 - 25 7/23/2007	B2CO-SB-009 1 - 3 6/24/2007	B2CO-SB-009 14 - 16 6/24/2007	B2CO-SB-009 23 - 25 6/24/2007	B2CO-SB-010 1 - 3 6/23/2007	B2CO-SB-010 11 - 13 6/24/2007	B2CO-SB-010 17 - 19 6/24/2007	B2CO-SB-011 1 - 3 7/7/2007
1,1,2-Trichloroethane	0.5	100	120	5.5	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
1,1,2-Trichlorofluoromethane	200	10000	10000	3400										
1,1-Dichloroethane	11	1000	1200	17	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0096	0.013	0.0073 U	0.0061 U	0.0048 U	0.0065 U
1,1-Dichloroethene	0.7	33	38	1100	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0066 J	0.0073 U	0.0061 U	0.0048 U	0.0065 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
1,2-Dichloroethane	0.5	63	73	2.2	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
1,2-Dichloropropane	0.5	160	180	4.7	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
1,4-Dioxane	2.4	210	240	160	1 U	1.1 U	1.1 U	1 U	1.2 U	1.5 U	1.5 U	1.2 U	0.95 U	1.3 U
2-Butanone	580	10000	10000	190000	0.02 U	0.021 U	0.022 U	0.021 U	0.023 U	0.03 U	0.029 U	0.025 U	0.019 U	0.026 U
2-Chloroethyl Vinyl Ether														
2-Hexanone					0.02 U	0.021 U	0.022 U	0.021 U	0.023 U	0.03 U	0.029 U	0.025 U	0.019 U	0.026 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.02 U	0.021 U	0.022 U	0.021 U	0.023 U	0.03 U	0.029 U	0.025 U	0.019 U	0.026 U
Acetone	1000	10000	10000	610000	0.02 U	0.021 U	0.022 U	0.021 U	0.023 U	0.03 U	0.029 U	0.025 U	0.019 U	0.026 U
Acrolein	0.012	1.1	1.2	0.68										
Acrylonitrile	0.27	24	28	1.2	0.1 U	0.11 U	0.11 U	0.1 U	0.12 U	0.15 U	0.15 U	0.12 U	0.095 U	0.13 U
Benzene	0.5	210	240	5.6	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Bromochloromethane	9	10000	10000		0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Bromodichloromethane	10	45	51	1.4	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Bromoform	10	1500	1700	220	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Bromomethane	1	270	300	35	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Carbon Disulfide	410	10000	10000	3000	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Carbon Tetrachloride	0.5	110	120	1.3	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Chlorobenzene	10	10000	10000	1500	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Chlorodibromomethane	10	61	70	3.4	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Chloroethane	90	10000	10000	62000	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Chloroform	10	17	19	1.5	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Chloromethane	0.3	920	1000	510	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.043	0.25	0.0073 U	0.0061 U	0.0048 U	0.0054 J
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Ethylbenzene	70	10000	10000	29	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Methyl tert-butyl ether	2	3200	3700	190	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Methylene chloride	0.5	3500	4000	54	0.0028 J B	0.0053 U	0.0027 J B	0.0024 J B	0.0029 J B	0.0041 J B	0.0035 J B	0.0029 J B	0.0025 J B	0.0019 J B
Styrene	24	10000	10000	38000	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Tetrachloroethene	0.5	1500	3300	2.7	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0036 J	0.015	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Toluene	100	10000	10000	46000	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
trans-1,2-Dichloroethene	10	3700	4300	500	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0058 U	0.0076 U	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Trichloroethene	0.5	970	1100	14	0.05	0.036	0.0054 U	0.0052 U	0.0033 J	0.2	0.0073 U	0.0061 U	0.012	0.0099
Vinyl Chloride	0.2	53	220	1.7	0.005 U	0.0053 U	0.0054 U	0.0052 U	0.0068	0.013	0.0073 U	0.0061 U	0.0048 U	0.0065 U
Xylenes (Total)	1000	10000	10000	2600	0.015 U	0.016 U	0.016 U	0.016 U	0.017 U	0.023 U	0.022 U	0.018 U	0.014 U	0.02 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-011 Dup 1 - 3 7/7/2007	B2CO-SB-011 10 - 12 7/8/2007	B2CO-SB-012 1 - 3 7/7/2007	B2CO-SB-012 9 - 11 7/8/2007	B2CO-SB-012 17 - 19 7/8/2007	B2CO-SB-013 1 - 3 7/7/2007	B2CO-SB-013 10 - 12 7/14/2007	B2CO-SB-014 1 - 3 6/10/2007	B2CO-SB-014 10 - 12 7/14/2007
Cyanide, Free													
Cyanide, Free	200	56000	190000	20000	0.58 U	0.54 U	0.61 U	0.63 U	0.71 U	0.56 U	0.55 U	0.58 U	0.66 U
Cyanide, Total													
Cyanide, Total	200	56000	190000	20000	0.14 B	0.54 U	0.61 U	0.63 U	0.71 U	0.13 B	0.55 U	0.58 U	0.66 U
Hexavalent Chromium													
Hexavalent Chromium	190	420	190000	200	0.28 B	0.43 U	0.99	0.52 U	0.55 U	0.44 U	0.45 U	0.72	0.52 U
Mercury													
Mercury	10	840	190000	24	0.083	0.027 B	0.074	0.033 B	0.069	0.035 B	0.078	0.037 B	0.36
Metal													
Antimony	27	1100	190000	410	1.2 U	0.15 B J	0.2 B J	1.3 U	0.15 B J	1.1 U	1.1 U	1.2 U	2.6 U
Arsenic	150	53	190000	1.6	3.5	2.5	4.1	4.5	3.3	3.2	3.1	5.1	4.1
Barium	8200	190000	190000	190000	39.6	23.2	57.3	39.5	50	42.7	38	39.5	35.8 B
Beryllium	320	5600	190000	2000	0.89 J	0.68 J	1.1 J	1.5 J	2.4 J	0.78 J	0.63 J	0.95 J	2.4 J
Cadmium	38	210	190000	800	1.2 U	0.54 U	3 U	1.3 U	0.71 U	0.56 U	0.23 B	0.58 U	0.75 B
Chromium				1400	14.5	10.1	20.5	17.9	11.9	9.9	12.6	15.4	8.9
Copper	36000	100000	190000	41000	13.5	5.1	17.2	19.4	13.2	5.3	6.9	8.3	29.6
Lead	450	1000	190000	800	5.9	3.8	8.6	10.9	14.3	6.5	7.2	7.9	18.3
Nickel	650	56000	190000	20000	6.5	4.3	12.5	18.7	31.8	4.1 B	5.7	6.8	31.4
Selenium	26	14000	190000	5100	0.58 U	0.54 U	0.56 B	0.63 U	0.71 U	0.56 U	0.55 U	0.58 U	1.4
Silver	84	14000	190000	5100	0.58 U	0.54 U	0.61 U	0.63 U	0.71 U	0.56 U	0.55 U	0.58 U	1.3 U
Thallium	14	200	190000	66	1.2 U	1.1 U	1.2	0.59 B	0.71 B	1.1 U	1.1 U	0.46 B	2.6 U
Vanadium	72000	20000	190000	7200	27.9	9.9	33.2	20.9	16.1	15.1	16	24.3	15.9
Zinc	12000	190000	190000	310000	24.6	15.2	33.4 E	65	67.8	12.3	21 J	19.8	84.9 J
Polychlorinated Biphenols													
Arochlor-1016	200	200	10000	21									
Arochlor-1221	2.5	160	10000	0.62									
Arochlor-1232	2	160	10000	0.62									
Arochlor-1242	62	160	10000	0.74									
Arochlor-1248	67	44	10000	0.74									
Arochlor-1254	280	44	10000	0.74									
Arochlor-1260	1900	130	190000	0.74									
Semi Volatile Organic Compound													
1,2,4-Trichlorobenzene	27	10000	10000	400									
1,2-Dichlorobenzene	60	10000	10000	10000									
1,3-Dichlorobenzene	61	10000	10000										
1,4-Dichlorobenzene	10	3300	190000	13									
2,4,5-Trichlorophenol	6100	190000	190000	62000									
2,4,6-Trichlorophenol	8.9	840	190000	160									
2,4-Dichlorophenol	2	8400	190000	1800									
2,4-Dimethylphenol	200	10000	10000	12000									
2,4-Dinitrophenol	4.1	5600	190000	1200									
2,4-Dinitrotoluene	0.84	260	190000	5.5									
2,6-Dinitrotoluene	10	2800	190000	620									
2-Chloronaphthalene	18000	190000	190000	82000									
2-Chlorophenol	4.4	920	1100	5100									
2-Methylnaphthalene	8000	10000	10000	4100									
2-Methylphenol	510	10000	10000	31000									
2-Nitroaniline	0.58	160	190000	1800									
2-Nitrophenol	82	22000	190000										
3,3'-Dichlorobenzidine	32	180	190000	3.8									
3/4-Methylphenol				5100									

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-011 Dup 1 - 3 7/7/2007	B2CO-SB-011 10 - 12 7/8/2007	B2CO-SB-012 1 - 3 7/7/2007	B2CO-SB-012 9 - 11 7/8/2007	B2CO-SB-012 17 - 19 7/8/2007	B2CO-SB-013 1 - 3 7/7/2007	B2CO-SB-013 10 - 12 7/14/2007	B2CO-SB-014 1 - 3 6/10/2007	B2CO-SB-014 10 - 12 7/14/2007
3-Nitroaniline	0.58	160	190000										
4,6-Dinitro-2-Methylphenol				62									
4-Bromophenyl phenyl ether													
4-Chloro-3-Methyl-Phenol	110	14000	190000										
4-Chloroaniline	52	11000	190000	8.6									
4-Chlorodiphenyl Ether													
4-Nitroaniline	0.58	160	190000	86									
4-Nitrophenol	6	22000	190000										
Acenaphthene	4700	170000	190000	33000									
Acenaphthylene	6900	170000	190000	33000									
Anthracene	350	190000	190000	170000									
Benzo (A) Anthracene	320	110	190000	2.1									
Benzo (a) Pyrene	46	11	190000	0.21									
Benzo (b) Fluoranthene	170	110	190000	2.1									
Benzo (g,h,i) Perylene	180	170000	190000										
Benzo (k) Fluoranthene	610	1100	190000	21									
Bis(2-Chloroethoxy) Methane				1800									
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9									
Bis(2-Chloroisopropyl) Ether	30	160	190	17									
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120									
Butylbenzylphthalate	10000	10000	10000	910									
Carbazole	83	4000	190000										
Chrysene	230	11000	190000	210									
Dibenzo (a,h) Anthracene	160	11	190000	0.21									
Dibenzofuran													
Diethylphthalate	500	10000	10000	490000									
Dimethylphthalate													
Di-n-Butylphthalate	4100	10000	10000	62000									
Di-n-octylphthalate	10000	10000	10000										
Fluoranthene	3200	110000	190000	22000									
Fluorene	3800	110000	190000	22000									
Hexachlorobenzene	0.96	50	190000	1.1									
Hexachlorobutadiene	1.2	560	10000	22									
Hexachlorocyclopentadiene	91	10000	10000	3700									
Hexachloroethane	0.56	2800	190000	120									
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1									
Isophorone	10	10000	10000	1800									
Naphthalene	25	56000	190000	20									
Nitrobenzene	5.1	1400	10000	22									
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25									
N-Nitrosodiphenylamine	83	16000	190000	350									
Pentachlorophenol	5	660	190000	9									
Phenanthrene	10000	190000	190000										
Phenol	400	190000	190000	180000									
Pyrene	2200	84000	190000	17000									
Total Solids													
Percent Solids					86.90%	92.30%	82.40%	79%	70.70%	89%	91.60%	86.70%	76.20%
Volatile Organic Compound													
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-011 Dup 1 - 3 7/7/2007	B2CO-SB-011 10 - 12 7/8/2007	B2CO-SB-012 1 - 3 7/7/2007	B2CO-SB-012 9 - 11 7/8/2007	B2CO-SB-012 17 - 19 7/8/2007	B2CO-SB-013 1 - 3 7/7/2007	B2CO-SB-013 10 - 12 7/14/2007	B2CO-SB-014 1 - 3 6/10/2007	B2CO-SB-014 10 - 12 7/14/2007
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
1,1,2-Trichlorofluoromethane	200	10000	10000	3400									
1,1-Dichloroethane	11	1000	1200	17	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
1,1-Dichloroethene	0.7	33	38	1100	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
1,4-Dioxane	2.4	210	240	160	1.2 U	0.99 U	1.3 U	1.1 U	1.4 U	1.2 U	0.91 U	1.2 U	1.1 U
2-Butanone	580	10000	10000	190000	0.023 U	0.02 U	0.025 U	0.022 U	0.027 U	0.024 U	0.018 U	0.024 U	0.021 U
2-Chloroethyl Vinyl Ether													
2-Hexanone					0.023 U	0.02 U	0.025 U	0.022 U	0.027 U	0.024 U	0.018 U	0.024 U	0.021 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.023 U	0.02 U	0.025 U	0.022 U	0.027 U	0.024 U	0.018 U	0.024 U	0.021 U
Acetone	1000	10000	10000	610000	0.023 U	0.02 U	0.025 U	0.022 U	0.027 U	0.024 U	0.018 U	0.024 U	0.021 U
Acrolein	0.012	1.1	1.2	0.68									
Acrylonitrile	0.27	24	28	1.2	0.12 U	0.099 U	0.13 U	0.11 U	0.14 U	0.12 U	0.091 U	0.12 U	0.11 U
Benzene	0.5	210	240	5.6	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Bromochloromethane	9	10000	10000		0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Bromodichloromethane	10	45	51	1.4	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Bromoform	10	1500	1700	220	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Bromomethane	1	270	300	35	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Carbon Disulfide	410	10000	10000	3000	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Chlorobenzene	10	10000	10000	1500	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Chlorodibromomethane	10	61	70	3.4	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Chloroethane	90	10000	10000	62000	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Chloroform	10	17	19	1.5	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Chloromethane	0.3	920	1000	510	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0.0059 U	0.0017 J	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Ethylbenzene	70	10000	10000	29	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Methyl tert-butyl ether	2	3200	3700	190	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Methylene chloride	0.5	3500	4000	54	0.0018 J B	0.0016 J B	0.002 J B	0.0032 J B	0.0027 J B	0.0017 J B	0.0019 J B	0.0025 J	0.0025 J B
Styrene	24	10000	10000	38000	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Tetrachloroethene	0.5	1500	3300	2.7	0.0059 U	0.022	0.0064 U	0.0056 U	0.0069 U	0.0016 J	0.0045 U	0.0059 U	0.0053 U
Toluene	100	10000	10000	46000	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
trans-1,2-Dichloroethene	10	3700	4300	500	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Trichloroethene	0.5	970	1100	14	0.0059 U	0.0056	0.0035 J	0.0056 U	0.022	0.006 U	0.0045 U	0.0059 U	0.011
Vinyl Chloride	0.2	53	220	1.7	0.0059 U	0.0049 U	0.0064 U	0.0056 U	0.0069 U	0.006 U	0.0045 U	0.0059 U	0.0053 U
Xylenes (Total)	1000	10000	10000	2600	0.018 U	0.015 U	0.019 U	0.017 U	0.021 U	0.018 U	0.014 U	0.018 U	0.016 U

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Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-014 15 - 17 7/14/2007	B2CO-SB-11 (00) 5 10/18/2000	B2CO-SB-11 (00) 9.5 10/20/2000	B2CO-SB-11 (00) 15 10/20/2000	B2CO-SB-11 (00) 19 10/20/2000	B2CO-SB-12 (00) 5 10/20/2000	B2CO-SB-12 (00) 10 10/20/2000	B2CO-SB-12 (00) 15 10/20/2000
Cyanide, Free												
Cyanide, Free	200	56000	190000	20000	0.68 U							
Cyanide, Total												
Cyanide, Total	200	56000	190000	20000	0.68 U							
Hexavalent Chromium												
Hexavalent Chromium	190	420	190000	200	0.55 U							
Mercury												
Mercury	10	840	190000	24	0.31							
Metal												
Antimony	27	1100	190000	410	6.8 U							
Arsenic	150	53	190000	1.6	7.7							
Barium	8200	190000	190000	190000	37.3 B							
Beryllium	320	5600	190000	2000	4.6 J							
Cadmium	38	210	190000	800	0.97 B							
Chromium				1400	14.8							
Copper	36000	100000	190000	41000	27.9							
Lead	450	1000	190000	800	32.5							
Nickel	650	56000	190000	20000	54.2							
Selenium	26	14000	190000	5100	2.1 B							
Silver	84	14000	190000	5100	3.4 U							
Thallium	14	200	190000	66	6.8 U							
Vanadium	72000	20000	190000	7200	22.7 B							
Zinc	12000	190000	190000	310000	119 J							
Polychlorinated Biphenols												
Arochlor-1016	200	200	10000	21								
Arochlor-1221	2.5	160	10000	0.62								
Arochlor-1232	2	160	10000	0.62								
Arochlor-1242	62	160	10000	0.74								
Arochlor-1248	67	44	10000	0.74								
Arochlor-1254	280	44	10000	0.74								
Arochlor-1260	1900	130	190000	0.74								
Semi Volatile Organic Compound												
1,2,4-Trichlorobenzene	27	10000	10000	400								
1,2-Dichlorobenzene	60	10000	10000	10000								
1,3-Dichlorobenzene	61	10000	10000									
1,4-Dichlorobenzene	10	3300	190000	13								
2,4,5-Trichlorophenol	6100	190000	190000	62000								
2,4,6-Trichlorophenol	8.9	840	190000	160								
2,4-Dichlorophenol	2	8400	190000	1800								
2,4-Dimethylphenol	200	10000	10000	12000								
2,4-Dinitrophenol	4.1	5600	190000	1200								
2,4-Dinitrotoluene	0.84	260	190000	5.5								
2,6-Dinitrotoluene	10	2800	190000	620								
2-Chloronaphthalene	18000	190000	190000	82000								
2-Chlorophenol	4.4	920	1100	5100								
2-Methylnaphthalene	8000	10000	10000	4100								
2-Methylphenol	510	10000	10000	31000								
2-Nitroaniline	0.58	160	190000	1800								
2-Nitrophenol	82	22000	190000									
3,3'-Dichlorobenzidine	32	180	190000	3.8								
3/4-Methylphenol				5100								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-014 15 - 17 7/14/2007	B2CO-SB-11 (00) 5 10/18/2000	B2CO-SB-11 (00) 9.5 10/20/2000	B2CO-SB-11 (00) 15 10/20/2000	B2CO-SB-11 (00) 19 10/20/2000	B2CO-SB-12 (00) 5 10/20/2000	B2CO-SB-12 (00) 10 10/20/2000	B2CO-SB-12 (00) 15 10/20/2000
3-Nitroaniline	0.58	160	190000									
4,6-Dinitro-2-Methylphenol				62								
4-Bromophenyl phenyl ether												
4-Chloro-3-Methyl-Phenol	110	14000	190000									
4-Chloroaniline	52	11000	190000	8.6								
4-Chlorodiphenyl Ether												
4-Nitroaniline	0.58	160	190000	86								
4-Nitrophenol	6	22000	190000									
Acenaphthene	4700	170000	190000	33000								
Acenaphthylene	6900	170000	190000	33000								
Anthracene	350	190000	190000	170000								
Benzo (A) Anthracene	320	110	190000	2.1								
Benzo (a) Pyrene	46	11	190000	0.21								
Benzo (b) Fluoranthene	170	110	190000	2.1								
Benzo (g,h,i) Perylene	180	170000	190000									
Benzo (k) Fluoranthene	610	1100	190000	21								
Bis(2-Chloroethoxy) Methane				1800								
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9								
Bis(2-Chloroisopropyl) Ether	30	160	190	17								
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120								
Butylbenzylphthalate	10000	10000	10000	910								
Carbazole	83	4000	190000									
Chrysene	230	11000	190000	210								
Dibenzo (a,h) Anthracene	160	11	190000	0.21								
Dibenzofuran												
Diethylphthalate	500	10000	10000	490000								
Dimethylphthalate												
Di-n-Butylphthalate	4100	10000	10000	62000								
Di-n-octylphthalate	10000	10000	10000									
Fluoranthene	3200	110000	190000	22000								
Fluorene	3800	110000	190000	22000								
Hexachlorobenzene	0.96	50	190000	1.1								
Hexachlorobutadiene	1.2	560	10000	22								
Hexachlorocyclopentadiene	91	10000	10000	3700								
Hexachloroethane	0.56	2800	190000	120								
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1								
Isophorone	10	10000	10000	1800								
Naphthalene	25	56000	190000	20								
Nitrobenzene	5.1	1400	10000	22								
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25								
N-Nitrosodiphenylamine	83	16000	190000	350								
Pentachlorophenol	5	660	190000	9								
Phenanthrene	10000	190000	190000									
Phenol	400	190000	190000	180000								
Pyrene	2200	84000	190000	17000								
Total Solids												
Percent Solids					73.70%	88.90%	85.40%	78.60%	74.20%	89.30%	93.70%	78.20%
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0063 U							
1,1,1-Trichloroethane	20	10000	10000	39000	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

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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 RSL Industrial Soil (mg/kg)	B2CO-SB-014 15 - 17 7/14/2007	B2CO-SB-11 (00) 5 10/18/2000	B2CO-SB-11 (00) 9.5 10/20/2000	B2CO-SB-11 (00) 15 10/20/2000	B2CO-SB-11 (00) 19 10/20/2000	B2CO-SB-12 (00) 5 10/20/2000	B2CO-SB-12 (00) 10 10/20/2000	B2CO-SB-12 (00) 15 10/20/2000
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
1,1,2-Trichlorofluoromethane	200	10000	10000	3400		0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
1,1-Dichloroethane	11	1000	1200	17	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
1,1-Dichloroethene	0.7	33	38	1100	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0063 U							
1,2-Dichloroethane	0.5	63	73	2.2	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
1,4-Dioxane	2.4	210	240	160	1.3 U							
2-Butanone	580	10000	10000	190000	0.025 U							
2-Chloroethyl Vinyl Ether						1 U	1 U	1.2 U	1.3 U	0.99 U	0.85 U	1.2 U
2-Hexanone					0.025 U							
4-Methyl-2-Pentanone	41	4300	4900	52000	0.025 U							
Acetone	1000	10000	10000	610000	0.025 U							
Acrolein	0.012	1.1	1.2	0.68		0.65 U	0.64 U	0.76 U	0.81 U	0.62 U	0.53 U	0.74 U
Acrylonitrile	0.27	24	28	1.2	0.13 U	0.26 U	0.26 U	0.31 U	0.32 U	0.25 U	0.21 U	0.29 U
Benzene	0.5	210	240	5.6	0.0063 U	0.0059 J	0.009 J	0.01 J	0.008 J	0.01 J	0.043 J	0.059 J
Bromochloromethane	9	10000	10000		0.0063 U							
Bromodichloromethane	10	45	51	1.4	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Bromoform	10	1500	1700	220	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Bromomethane	1	270	300	35	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Carbon Disulfide	410	10000	10000	3000	0.0063 U							
Carbon Tetrachloride	0.5	110	120	1.3	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Chlorobenzene	10	10000	10000	1500	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Chlorodibromomethane	10	61	70	3.4	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Chloroethane	90	10000	10000	62000	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Chloroform	10	17	19	1.5	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Chloromethane	0.3	920	1000	510	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0.0063 U							
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Ethylbenzene	70	10000	10000	29	0.0063 U	0.0073 J	0.012 J	0.0093 J	0.01 J	0.008 J	0.006 J	0.059 U
Methyl tert-butyl ether	2	3200	3700	190	0.0063 U							
Methylene chloride	0.5	3500	4000	54	0.0042 J B	0.0437 J	0.042 J	0.044 J	0.049 J	0.04 J	0.034 J	0.053 J
Styrene	24	10000	10000	38000	0.0063 U							
Tetrachloroethene	0.5	1500	3300	2.7	0.0063 U	0.052 U	0.017 J	0.014 J	0.015 J	0.012 J	0.011 J	0.014 J
Toluene	100	10000	10000	46000	0.0063 U	0.0104 J	0.031 J	0.026 J	0.065 U	0.018 J	0.015 J	0.011 J
trans-1,2-Dichloroethene	10	3700	4300	500	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Trichloroethene	0.5	970	1100	14	0.025	0.052 U	0.018 J	0.017 J	0.018 J	0.011 J	0.011 J	0.026 J
Vinyl Chloride	0.2	53	220	1.7	0.0063 U	0.052 U	0.052 U	0.061 U	0.065 U	0.049 U	0.043 U	0.059 U
Xylenes (Total)	1000	10000	10000	2600	0.019 U							

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-12 (00) 19 10/20/2000	B2CO-SB-13 (00) 5.5 10/18/2000	B2CO-SB-13 (00) 10 10/20/2000	B2CO-SB-13 (00) 13 10/20/2000	B2CO-SB-13 (00) 19 10/20/2000	B2CO-SB-14 (00) 5.5 10/18/2000	B2CO-SB-14 (00) 8.5 10/19/2000	B2CO-SB-14 (00) 14 10/19/2000
Cyanide, Free												
Cyanide, Free	200	56000	190000	20000								
Cyanide, Total												
Cyanide, Total	200	56000	190000	20000								
Hexavalent Chromium												
Hexavalent Chromium	190	420	190000	200								
Mercury												
Mercury	10	840	190000	24								
Metal												
Antimony	27	1100	190000	410								
Arsenic	150	53	190000	1.6								
Barium	8200	190000	190000	190000								
Beryllium	320	5600	190000	2000								
Cadmium	38	210	190000	800								
Chromium				1400								
Copper	36000	100000	190000	41000								
Lead	450	1000	190000	800								
Nickel	650	56000	190000	20000								
Selenium	26	14000	190000	5100								
Silver	84	14000	190000	5100								
Thallium	14	200	190000	66								
Vanadium	72000	20000	190000	7200								
Zinc	12000	190000	190000	310000								
Polychlorinated Biphenols												
Arochlor-1016	200	200	10000	21								
Arochlor-1221	2.5	160	10000	0.62								
Arochlor-1232	2	160	10000	0.62								
Arochlor-1242	62	160	10000	0.74								
Arochlor-1248	67	44	10000	0.74								
Arochlor-1254	280	44	10000	0.74								
Arochlor-1260	1900	130	190000	0.74								
Semi Volatile Organic Compound												
1,2,4-Trichlorobenzene	27	10000	10000	400								
1,2-Dichlorobenzene	60	10000	10000	10000								
1,3-Dichlorobenzene	61	10000	10000									
1,4-Dichlorobenzene	10	3300	190000	13								
2,4,5-Trichlorophenol	6100	190000	190000	62000								
2,4,6-Trichlorophenol	8.9	840	190000	160								
2,4-Dichlorophenol	2	8400	190000	1800								
2,4-Dimethylphenol	200	10000	10000	12000								
2,4-Dinitrophenol	4.1	5600	190000	1200								
2,4-Dinitrotoluene	0.84	260	190000	5.5								
2,6-Dinitrotoluene	10	2800	190000	620								
2-Chloronaphthalene	18000	190000	190000	82000								
2-Chlorophenol	4.4	920	1100	5100								
2-Methylnaphthalene	8000	10000	10000	4100								
2-Methylphenol	510	10000	10000	31000								
2-Nitroaniline	0.58	160	190000	1800								
2-Nitrophenol	82	22000	190000									
3,3'-Dichlorobenzidine	32	180	190000	3.8								
3/4-Methylphenol				5100								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-12 (00) 19 10/20/2000	B2CO-SB-13 (00) 5.5 10/18/2000	B2CO-SB-13 (00) 10 10/20/2000	B2CO-SB-13 (00) 13 10/20/2000	B2CO-SB-13 (00) 19 10/20/2000	B2CO-SB-14 (00) 5.5 10/18/2000	B2CO-SB-14 (00) 8.5 10/19/2000	B2CO-SB-14 (00) 14 10/19/2000
3-Nitroaniline	0.58	160	190000									
4,6-Dinitro-2-Methylphenol				62								
4-Bromophenyl phenyl ether												
4-Chloro-3-Methyl-Phenol	110	14000	190000									
4-Chloroaniline	52	11000	190000	8.6								
4-Chlorodiphenyl Ether												
4-Nitroaniline	0.58	160	190000	86								
4-Nitrophenol	6	22000	190000									
Acenaphthene	4700	170000	190000	33000								
Acenaphthylene	6900	170000	190000	33000								
Anthracene	350	190000	190000	170000								
Benzo (A) Anthracene	320	110	190000	2.1								
Benzo (a) Pyrene	46	11	190000	0.21								
Benzo (b) Fluoranthene	170	110	190000	2.1								
Benzo (g,h,i) Perylene	180	170000	190000									
Benzo (k) Fluoranthene	610	1100	190000	21								
Bis(2-Chloroethoxy) Methane				1800								
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9								
Bis(2-Chloroisopropyl) Ether	30	160	190	17								
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120								
Butylbenzylphthalate	10000	10000	10000	910								
Carbazole	83	4000	190000									
Chrysene	230	11000	190000	210								
Dibenzo (a,h) Anthracene	160	11	190000	0.21								
Dibenzofuran												
Diethylphthalate	500	10000	10000	490000								
Dimethylphthalate												
Di-n-Butylphthalate	4100	10000	10000	62000								
Di-n-octylphthalate	10000	10000	10000									
Fluoranthene	3200	110000	190000	22000								
Fluorene	3800	110000	190000	22000								
Hexachlorobenzene	0.96	50	190000	1.1								
Hexachlorobutadiene	1.2	560	10000	22								
Hexachlorocyclopentadiene	91	10000	10000	3700								
Hexachloroethane	0.56	2800	190000	120								
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1								
Isophorone	10	10000	10000	1800								
Naphthalene	25	56000	190000	20								
Nitrobenzene	5.1	1400	10000	22								
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25								
N-Nitrosodiphenylamine	83	16000	190000	350								
Pentachlorophenol	5	660	190000	9								
Phenanthrene	10000	190000	190000									
Phenol	400	190000	190000	180000								
Pyrene	2200	84000	190000	17000								
Total Solids												
Percent Solids					81.80%	86%	80.40%	80.20%	80.50%	93.30%	85.90%	86.50%
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8								
1,1,1-Trichloroethane	20	10000	10000	39000	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.0273 J
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-12 (00) 19 10/20/2000	B2CO-SB-13 (00) 5.5 10/18/2000	B2CO-SB-13 (00) 10 10/20/2000	B2CO-SB-13 (00) 13 10/20/2000	B2CO-SB-13 (00) 19 10/20/2000	B2CO-SB-14 (00) 5.5 10/18/2000	B2CO-SB-14 (00) 8.5 10/19/2000	B2CO-SB-14 (00) 14 10/19/2000
1,1,2-Trichloroethane	0.5	100	120	5.5	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
1,1,2-Trichlorofluoromethane	200	10000	10000	3400	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
1,1-Dichloroethane	11	1000	1200	17	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
1,1-Dichloroethene	0.7	33	38	1100	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.022 J
1,2-Dibromoethane	0.005	0.93	8.6	0.17								
1,2-Dichloroethane	0.5	63	73	2.2	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
1,2-Dichloropropane	0.5	160	180	4.7	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
1,4-Dioxane	2.4	210	240	160								
2-Butanone	580	10000	10000	190000								
2-Chloroethyl Vinyl Ether					1 U	1.2 U	0.057 U	1.1 U	1.1 U	0.86 U	0.88 U	0.92 U
2-Hexanone												
4-Methyl-2-Pentanone	41	4300	4900	52000								
Acetone	1000	10000	10000	610000								
Acrolein	0.012	1.1	1.2	0.68	0.64 U	0.76 U	0.72 U	0.72 U	0.68 U	0.54 U	0.55 U	0.58 U
Acrylonitrile	0.27	24	28	1.2	0.26 U	0.3 U	0.29 U	0.29 U	0.27 U	0.21 U	0.22 U	0.23 U
Benzene	0.5	210	240	5.6	0.051 J	0.06 U	0.046 J	0.022 J	0.016 J	0.043 U	0.0089 J	0.0118 J
Bromochloromethane	9	10000	10000									
Bromodichloromethane	10	45	51	1.4	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
Bromoform	10	1500	1700	220	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
Bromomethane	1	270	300	35	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
Carbon Disulfide	410	10000	10000	3000								
Carbon Tetrachloride	0.5	110	120	1.3	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
Chlorobenzene	10	10000	10000	1500	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.0072 J	0.0079 J
Chlorodibromomethane	10	61	70	3.4	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
Chloroethane	90	10000	10000	62000	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
Chloroform	10	17	19	1.5	0.051 U	0.06 U	1.1 U	0.057 U	0.055 U	0.043 U	0.0061 J	0.0061 J
Chloromethane	0.3	920	1000	510	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
cis-1,2-Dichloroethene	7	1900	2100	10000								
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.0075 J	0.0088 J
Ethylbenzene	70	10000	10000	29	0.006 J	0.06 U	0.019 J	0.014 J	0.013 J	0.0073 J	0.0102 J	0.0115 J
Methyl tert-butyl ether	2	3200	3700	190								
Methylene chloride	0.5	3500	4000	54	0.05 J	0.06 U	0.046 J	0.054 J	0.046 J	0.0229 J	0.0619 J	0.0639 J
Styrene	24	10000	10000	38000								
Tetrachloroethene	0.5	1500	3300	2.7	0.047 J	0.06 U	0.057 U	0.018 J	0.018 J	0.0112 J	0.0235 J	0.1
Toluene	100	10000	10000	46000	0.012 J	0.06 U	0.086	0.05 J	0.038 J	0.0074 J	0.0158 J	0.0167 J
trans-1,2-Dichloroethene	10	3700	4300	500	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.0067 J	0.0096 J
Trichloroethene	0.5	970	1100	14	2.2	0.06 U	0.03 J	0.022 J	0.026 J	0.0131 J	0.045	2.7
Vinyl Chloride	0.2	53	220	1.7	0.051 U	0.06 U	0.057 U	0.057 U	0.055 U	0.043 U	0.044 U	0.046 U
Xylenes (Total)	1000	10000	10000	2600								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-14 (00) 19 10/19/2000	B2CO-SB-15 (00) 4.5 10/18/2000	B2CO-SB-15 (00) 8 10/19/2000	B2CO-SB-15 (00) 13.5 10/19/2000	B2CO-SB-15 (00) 17.5 10/19/2000	B2CO-SB-18 (00) 5 10/22/2000	B2CO-SB-18 (00) 10 10/22/2000	B2CO-SB-18 (00) 16 10/22/2000
Cyanide, Free												
Cyanide, Free	200	56000	190000	20000								
Cyanide, Total												
Cyanide, Total	200	56000	190000	20000								
Hexavalent Chromium												
Hexavalent Chromium	190	420	190000	200								
Mercury												
Mercury	10	840	190000	24								
Metal												
Antimony	27	1100	190000	410								
Arsenic	150	53	190000	1.6								
Barium	8200	190000	190000	190000								
Beryllium	320	5600	190000	2000								
Cadmium	38	210	190000	800								
Chromium				1400								
Copper	36000	100000	190000	41000								
Lead	450	1000	190000	800								
Nickel	650	56000	190000	20000								
Selenium	26	14000	190000	5100								
Silver	84	14000	190000	5100								
Thallium	14	200	190000	66								
Vanadium	72000	20000	190000	7200								
Zinc	12000	190000	190000	310000								
Polychlorinated Biphenols												
Arochlor-1016	200	200	10000	21								
Arochlor-1221	2.5	160	10000	0.62								
Arochlor-1232	2	160	10000	0.62								
Arochlor-1242	62	160	10000	0.74								
Arochlor-1248	67	44	10000	0.74								
Arochlor-1254	280	44	10000	0.74								
Arochlor-1260	1900	130	190000	0.74								
Semi Volatile Organic Compound												
1,2,4-Trichlorobenzene	27	10000	10000	400								
1,2-Dichlorobenzene	60	10000	10000	10000								
1,3-Dichlorobenzene	61	10000	10000									
1,4-Dichlorobenzene	10	3300	190000	13								
2,4,5-Trichlorophenol	6100	190000	190000	62000								
2,4,6-Trichlorophenol	8.9	840	190000	160								
2,4-Dichlorophenol	2	8400	190000	1800								
2,4-Dimethylphenol	200	10000	10000	12000								
2,4-Dinitrophenol	4.1	5600	190000	1200								
2,4-Dinitrotoluene	0.84	260	190000	5.5								
2,6-Dinitrotoluene	10	2800	190000	620								
2-Chloronaphthalene	18000	190000	190000	82000								
2-Chlorophenol	4.4	920	1100	5100								
2-Methylnaphthalene	8000	10000	10000	4100								
2-Methylphenol	510	10000	10000	31000								
2-Nitroaniline	0.58	160	190000	1800								
2-Nitrophenol	82	22000	190000									
3,3'-Dichlorobenzidine	32	180	190000	3.8								
3/4-Methylphenol				5100								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-14 (00) 19 10/19/2000	B2CO-SB-15 (00) 4.5 10/18/2000	B2CO-SB-15 (00) 8 10/19/2000	B2CO-SB-15 (00) 13.5 10/19/2000	B2CO-SB-15 (00) 17.5 10/19/2000	B2CO-SB-18 (00) 5 10/22/2000	B2CO-SB-18 (00) 10 10/22/2000	B2CO-SB-18 (00) 16 10/22/2000
3-Nitroaniline	0.58	160	190000									
4,6-Dinitro-2-Methylphenol				62								
4-Bromophenyl phenyl ether												
4-Chloro-3-Methyl-Phenol	110	14000	190000									
4-Chloroaniline	52	11000	190000	8.6								
4-Chlorodiphenyl Ether												
4-Nitroaniline	0.58	160	190000	86								
4-Nitrophenol	6	22000	190000									
Acenaphthene	4700	170000	190000	33000								
Acenaphthylene	6900	170000	190000	33000								
Anthracene	350	190000	190000	170000								
Benzo (A) Anthracene	320	110	190000	2.1								
Benzo (a) Pyrene	46	11	190000	0.21								
Benzo (b) Fluoranthene	170	110	190000	2.1								
Benzo (g,h,i) Perylene	180	170000	190000									
Benzo (k) Fluoranthene	610	1100	190000	21								
Bis(2-Chloroethoxy) Methane				1800								
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9								
Bis(2-Chloroisopropyl) Ether	30	160	190	17								
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120								
Butylbenzylphthalate	10000	10000	10000	910								
Carbazole	83	4000	190000									
Chrysene	230	11000	190000	210								
Dibenzo (a,h) Anthracene	160	11	190000	0.21								
Dibenzofuran												
Diethylphthalate	500	10000	10000	490000								
Dimethylphthalate												
Di-n-Butylphthalate	4100	10000	10000	62000								
Di-n-octylphthalate	10000	10000	10000									
Fluoranthene	3200	110000	190000	22000								
Fluorene	3800	110000	190000	22000								
Hexachlorobenzene	0.96	50	190000	1.1								
Hexachlorobutadiene	1.2	560	10000	22								
Hexachlorocyclopentadiene	91	10000	10000	3700								
Hexachloroethane	0.56	2800	190000	120								
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1								
Isophorone	10	10000	10000	1800								
Naphthalene	25	56000	190000	20								
Nitrobenzene	5.1	1400	10000	22								
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25								
N-Nitrosodiphenylamine	83	16000	190000	350								
Pentachlorophenol	5	660	190000	9								
Phenanthrene	10000	190000	190000									
Phenol	400	190000	190000	180000								
Pyrene	2200	84000	190000	17000								
Total Solids												
Percent Solids					75%	86.60%	86.90%	82.20%	70.40%	81.20%	87.30%	76.50%
Volatile Organic Compound												
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8								
1,1,1-Trichloroethane	20	10000	10000	39000	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-14 (00) 19 10/19/2000	B2CO-SB-15 (00) 4.5 10/18/2000	B2CO-SB-15 (00) 8 10/19/2000	B2CO-SB-15 (00) 13.5 10/19/2000	B2CO-SB-15 (00) 17.5 10/19/2000	B2CO-SB-18 (00) 5 10/22/2000	B2CO-SB-18 (00) 10 10/22/2000	B2CO-SB-18 (00) 16 10/22/2000
1,1,2-Trichloroethane	0.5	100	120	5.5	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
1,1,2-Trichlorofluoromethane	200	10000	10000	3400	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
1,1-Dichloroethane	11	1000	1200	17	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.051 U	0.05 U	0.055 U
1,1-Dichloroethene	0.7	33	38	1100	0.22	0.051 U	0.051 U	0.054 U	0.1 U	0.051 U	0.05 U	0.055 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17								
1,2-Dichloroethane	0.5	63	73	2.2	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.051 U	0.05 U	0.055 U
1,2-Dichloropropane	0.5	160	180	4.7	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.051 U	0.05 U	0.055 U
1,4-Dioxane	2.4	210	240	160								
2-Butanone	580	10000	10000	190000								
2-Chloroethyl Vinyl Ether					1.3 U	1 U	1 U	1.1 U	2 U	1.1 U	1 U	1.1 U
2-Hexanone												
4-Methyl-2-Pentanone	41	4300	4900	52000								
Acetone	1000	10000	10000	610000								
Acrolein	0.012	1.1	1.2	0.68	0.8 U	0.64 U	0.63 U	0.67 U	1.3 U	0.68 U	0.63 U	0.69 U
Acrylonitrile	0.27	24	28	1.2	0.32 U	0.25 U	0.25 U	0.27 U	0.51 U	0.27 U	0.25 U	0.27 U
Benzene	0.5	210	240	5.6	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
Bromochloromethane	9	10000	10000									
Bromodichloromethane	10	45	51	1.4	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
Bromoform	10	1500	1700	220	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
Bromomethane	1	270	300	35	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
Carbon Disulfide	410	10000	10000	3000								
Carbon Tetrachloride	0.5	110	120	1.3	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
Chlorobenzene	10	10000	10000	1500	0.01 J	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
Chlorodibromomethane	10	61	70	3.4	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
Chloroethane	90	10000	10000	62000	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
Chloroform	10	17	19	1.5	0.0102 J	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
Chloromethane	0.3	920	1000	510	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.051 U	0.05 U	0.055 U
cis-1,2-Dichloroethene	7	1900	2100	10000								
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.0108 J	0.051 U	0.051 U	0.054 U	0.0137 J	0.051 U	0.05 U	0.055 U
Ethylbenzene	70	10000	10000	29	0.0149 J	0.051 U	0.0068 J	0.054 U	0.0203 J	0.054 U	0.05 U	0.055 U
Methyl tert-butyl ether	2	3200	3700	190								
Methylene chloride	0.5	3500	4000	54	0.0937 J	0.051 U	0.0361 J	0.0392 J	0.119	0.041 J	0.04 J	0.046 J
Styrene	24	10000	10000	38000								
Tetrachloroethene	0.5	1500	3300	2.7	0.65	0.058	0.16	0.16	1.9	0.028 J	0.021 J	0.044 J
Toluene	100	10000	10000	46000	0.0234 J	0.051 U	0.0105 J	0.0103 J	0.0288 J	0.009 J	0.011 J	0.011 J
trans-1,2-Dichloroethene	10	3700	4300	500	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.051 U	0.05 U	0.055 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.0108 J	0.051 U	0.051 U	0.054 U	0.1 U	0.051 U	0.05 U	0.055 U
Trichloroethene	0.5	970	1100	14	57	0.54	0.6	0.69	2.3	0.28	1.4	5.5
Vinyl Chloride	0.2	53	220	1.7	0.064 U	0.051 U	0.051 U	0.054 U	0.1 U	0.054 U	0.05 U	0.055 U
Xylenes (Total)	1000	10000	10000	2600								

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-18 (00) 18 10/22/2000	B2CO-SB-20 (00) 6 10/22/2000	B2CO-SB-20 (00) 10 10/22/2000	B2CO-SB-20 (00) 16 10/22/2000	B2CO-SB-20 (00) 19 10/22/2000	B2CO-SB-21 (00) 6 - 6.5 10/22/2000	SB 16 15 10/1/2000	SB-16 (00) 6 10/22/2000	SB-16 (00) 10 10/22/2000
Cyanide, Free													
Cyanide, Free	200	56000	190000	20000									
Cyanide, Total													
Cyanide, Total	200	56000	190000	20000									
Hexavalent Chromium													
Hexavalent Chromium	190	420	190000	200									
Mercury													
Mercury	10	840	190000	24									
Metal													
Antimony	27	1100	190000	410									
Arsenic	150	53	190000	1.6									
Barium	8200	190000	190000	190000									
Beryllium	320	5600	190000	2000									
Cadmium	38	210	190000	800									
Chromium				1400									
Copper	36000	100000	190000	41000									
Lead	450	1000	190000	800									
Nickel	650	56000	190000	20000									
Selenium	26	14000	190000	5100									
Silver	84	14000	190000	5100									
Thallium	14	200	190000	66									
Vanadium	72000	20000	190000	7200									
Zinc	12000	190000	190000	310000									
Polychlorinated Biphenols													
Arochlor-1016	200	200	10000	21									
Arochlor-1221	2.5	160	10000	0.62									
Arochlor-1232	2	160	10000	0.62									
Arochlor-1242	62	160	10000	0.74									
Arochlor-1248	67	44	10000	0.74									
Arochlor-1254	280	44	10000	0.74									
Arochlor-1260	1900	130	190000	0.74									
Semi Volatile Organic Compound													
1,2,4-Trichlorobenzene	27	10000	10000	400									
1,2-Dichlorobenzene	60	10000	10000	10000									
1,3-Dichlorobenzene	61	10000	10000										
1,4-Dichlorobenzene	10	3300	190000	13									
2,4,5-Trichlorophenol	6100	190000	190000	62000									
2,4,6-Trichlorophenol	8.9	840	190000	160									
2,4-Dichlorophenol	2	8400	190000	1800									
2,4-Dimethylphenol	200	10000	10000	12000									
2,4-Dinitrophenol	4.1	5600	190000	1200									
2,4-Dinitrotoluene	0.84	260	190000	5.5									
2,6-Dinitrotoluene	10	2800	190000	620									
2-Chloronaphthalene	18000	190000	190000	82000									
2-Chlorophenol	4.4	920	1100	5100									
2-Methylnaphthalene	8000	10000	10000	4100									
2-Methylphenol	510	10000	10000	31000									
2-Nitroaniline	0.58	160	190000	1800									
2-Nitrophenol	82	22000	190000										
3,3'-Dichlorobenzidine	32	180	190000	3.8									
3/4-Methylphenol				5100									

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-18 (00) 18 10/22/2000	B2CO-SB-20 (00) 6 10/22/2000	B2CO-SB-20 (00) 10 10/22/2000	B2CO-SB-20 (00) 16 10/22/2000	B2CO-SB-20 (00) 19 10/22/2000	B2CO-SB-21 (00) 6 - 6.5 10/22/2000	SB 16 15 10/1/2000	SB-16 (00) 6 10/22/2000	SB-16 (00) 10 10/22/2000
3-Nitroaniline	0.58	160	190000										
4,6-Dinitro-2-Methylphenol				62									
4-Bromophenyl phenyl ether													
4-Chloro-3-Methyl-Phenol	110	14000	190000										
4-Chloroaniline	52	11000	190000	8.6									
4-Chlorodiphenyl Ether													
4-Nitroaniline	0.58	160	190000	86									
4-Nitrophenol	6	22000	190000										
Acenaphthene	4700	170000	190000	33000									
Acenaphthylene	6900	170000	190000	33000									
Anthracene	350	190000	190000	170000									
Benzo (A) Anthracene	320	110	190000	2.1									
Benzo (a) Pyrene	46	11	190000	0.21									
Benzo (b) Fluoranthene	170	110	190000	2.1									
Benzo (g,h,i) Perylene	180	170000	190000										
Benzo (k) Fluoranthene	610	1100	190000	21									
Bis(2-Chloroethoxy) Methane				1800									
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9									
Bis(2-Chloroisopropyl) Ether	30	160	190	17									
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120									
Butylbenzylphthalate	10000	10000	10000	910									
Carbazole	83	4000	190000										
Chrysene	230	11000	190000	210									
Dibenzo (a,h) Anthracene	160	11	190000	0.21									
Dibenzofuran													
Diethylphthalate	500	10000	10000	490000									
Dimethylphthalate													
Di-n-Butylphthalate	4100	10000	10000	62000									
Di-n-octylphthalate	10000	10000	10000										
Fluoranthene	3200	110000	190000	22000									
Fluorene	3800	110000	190000	22000									
Hexachlorobenzene	0.96	50	190000	1.1									
Hexachlorobutadiene	1.2	560	10000	22									
Hexachlorocyclopentadiene	91	10000	10000	3700									
Hexachloroethane	0.56	2800	190000	120									
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1									
Isophorone	10	10000	10000	1800									
Naphthalene	25	56000	190000	20									
Nitrobenzene	5.1	1400	10000	22									
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25									
N-Nitrosodiphenylamine	83	16000	190000	350									
Pentachlorophenol	5	660	190000	9									
Phenanthrene	10000	190000	190000										
Phenol	400	190000	190000	180000									
Pyrene	2200	84000	190000	17000									
Total Solids													
Percent Solids					80.60%	86.60%	95%	78.30%	83.10%	78.30%		82.40%	78.90%
Volatile Organic Compound													
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8									
1,1,1-Trichloroethane	20	10000	10000	39000	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U	0 U	0.051 U	0.058 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	B2CO-SB-18 (00) 18 10/22/2000	B2CO-SB-20 (00) 6 10/22/2000	B2CO-SB-20 (00) 10 10/22/2000	B2CO-SB-20 (00) 16 10/22/2000	B2CO-SB-20 (00) 19 10/22/2000	B2CO-SB-21 (00) 6 - 6.5 10/22/2000	SB 16 15 10/1/2000	SB-16 (00) 6 10/22/2000	SB-16 (00) 10 10/22/2000
1,1,2-Trichloroethane	0.5	100	120	5.5	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
1,1,2-Trichlorofluoromethane	200	10000	10000	3400	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
1,1-Dichloroethane	11	1000	1200	17	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U	0 U	0.051 U	0.058 U
1,1-Dichloroethene	0.7	33	38	1100	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U	0 U	0.051 U	0.058 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17									
1,2-Dichloroethane	0.5	63	73	2.2	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
1,2-Dichloropropane	0.5	160	180	4.7	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
1,4-Dioxane	2.4	210	240	160									
2-Butanone	580	10000	10000	190000									
2-Chloroethyl Vinyl Ether					1 U	0.97 U	4.7 U	1.2 U	0.96 U	1.1 U		1 U	1.2 U
2-Hexanone													
4-Methyl-2-Pentanone	41	4300	4900	52000									
Acetone	1000	10000	10000	610000									
Acrolein	0.012	1.1	1.2	0.68	0.65 U	0.61 U	2.9 U	0.73 U	0.6 U	0.67 U		0.51 U	0.58 U
Acrylonitrile	0.27	24	28	1.2	0.26 U	0.24 U	1.2 U	0.29 U	0.24 U	0.27 U		0.2 U	0.23 U
Benzene	0.5	210	240	5.6	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Bromochloromethane	9	10000	10000										
Bromodichloromethane	10	45	51	1.4	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Bromoform	10	1500	1700	220	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Bromomethane	1	270	300	35	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.1 U	0.116 U
Carbon Disulfide	410	10000	10000	3000									
Carbon Tetrachloride	0.5	110	120	1.3	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Chlorobenzene	10	10000	10000	1500	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Chlorodibromomethane	10	61	70	3.4	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Chloroethane	90	10000	10000	62000	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Chloroform	10	17	19	1.5	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Chloromethane	0.3	920	1000	510	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
cis-1,2-Dichloroethene	7	1900	2100	10000									
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Ethylbenzene	70	10000	10000	29	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Methyl tert-butyl ether	2	3200	3700	190									
Methylene chloride	0.5	3500	4000	54	0.044 J	0.04 J	0.077 J	0.036 J	0.03 J	0.033 J		0.046 J	0.05 J
Styrene	24	10000	10000	38000									
Tetrachloroethene	0.5	1500	3300	2.7	0.019 J	0.048 U	27	0.29	3.3	0.086	0 U	0.01 J	0.015 J
Toluene	100	10000	10000	46000	0.01 J	0.012 J	0.23 U	0.009 J	0.008 J	0.009 J	0 U	0.011 J	0.013 J
trans-1,2-Dichloroethene	10	3700	4300	500	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.051 U	0.058 U
Trichloroethene	0.5	970	1100	14	2.1	0.014 J	12	3.7	1.3	0.068	0.17	0.022 J	0.12
Vinyl Chloride	0.2	53	220	1.7	0.052 U	0.048 U	0.23 U	0.059 U	0.048 U	0.054 U		0.1 U	0.116 U
Xylenes (Total)	1000	10000	10000	2600									

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	SB-16 (00) 20 10/22/2000	SB-17 (00) 6 10/22/2000	SB-17 (00) 10 10/22/2000	SB-17 (00) 15 10/22/2000	SB-17 (00) 20 10/22/2000	SB-19 (00) 5.5 10/21/2000	SB-19 (00) 10 10/21/2000	SB-19 (00) 15 10/21/2000	SB-19 (00) 19.5 10/21/2000	SB-21 (00) 10 10/22/2000	SB-21 (00) 14 10/22/2000	SB-21 (00) 18 10/22/2000
Cyanide, Free																
Cyanide, Free	200	56000	190000	20000												
Cyanide, Total																
Cyanide, Total	200	56000	190000	20000												
Hexavalent Chromium																
Hexavalent Chromium	190	420	190000	200												
Mercury																
Mercury	10	840	190000	24												
Metal																
Antimony	27	1100	190000	410												
Arsenic	150	53	190000	1.6												
Barium	8200	190000	190000	190000												
Beryllium	320	5600	190000	2000												
Cadmium	38	210	190000	800												
Chromium				1400												
Copper	36000	100000	190000	41000												
Lead	450	1000	190000	800												
Nickel	650	56000	190000	20000												
Selenium	26	14000	190000	5100												
Silver	84	14000	190000	5100												
Thallium	14	200	190000	66												
Vanadium	72000	20000	190000	7200												
Zinc	12000	190000	190000	310000												
Polychlorinated Biphenols																
Arochlor-1016	200	200	10000	21												
Arochlor-1221	2.5	160	10000	0.62												
Arochlor-1232	2	160	10000	0.62												
Arochlor-1242	62	160	10000	0.74												
Arochlor-1248	67	44	10000	0.74												
Arochlor-1254	280	44	10000	0.74												
Arochlor-1260	1900	130	190000	0.74												
Semi Volatile Organic Compound																
1,2,4-Trichlorobenzene	27	10000	10000	400												
1,2-Dichlorobenzene	60	10000	10000	10000												
1,3-Dichlorobenzene	61	10000	10000													
1,4-Dichlorobenzene	10	3300	190000	13												
2,4,5-Trichlorophenol	6100	190000	190000	62000												
2,4,6-Trichlorophenol	8.9	840	190000	160												
2,4-Dichlorophenol	2	8400	190000	1800												
2,4-Dimethylphenol	200	10000	10000	12000												
2,4-Dinitrophenol	4.1	5600	190000	1200												
2,4-Dinitrotoluene	0.84	260	190000	5.5												
2,6-Dinitrotoluene	10	2800	190000	620												
2-Chloronaphthalene	18000	190000	190000	82000												
2-Chlorophenol	4.4	920	1100	5100												
2-Methylnaphthalene	8000	10000	10000	4100												
2-Methylphenol	510	10000	10000	31000												
2-Nitroaniline	0.58	160	190000	1800												
2-Nitrophenol	82	22000	190000													
3,3'-Dichlorobenzidine	32	180	190000	3.8												
3/4-Methylphenol				5100												

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	SB-16 (00) 20 10/22/2000	SB-17 (00) 6 10/22/2000	SB-17 (00) 10 10/22/2000	SB-17 (00) 15 10/22/2000	SB-17 (00) 20 10/22/2000	SB-19 (00) 5.5 10/21/2000	SB-19 (00) 10 10/21/2000	SB-19 (00) 15 10/21/2000	SB-19 (00) 19.5 10/21/2000	SB-21 (00) 10 10/22/2000	SB-21 (00) 14 10/22/2000	SB-21 (00) 18 10/22/2000
3-Nitroaniline	0.58	160	190000													
4,6-Dinitro-2-Methylphenol				62												
4-Bromophenyl phenyl ether																
4-Chloro-3-Methyl-Phenol	110	14000	190000													
4-Chloroaniline	52	11000	190000	8.6												
4-Chlorodiphenyl Ether																
4-Nitroaniline	0.58	160	190000	86												
4-Nitrophenol	6	22000	190000													
Acenaphthene	4700	170000	190000	33000												
Acenaphthylene	6900	170000	190000	33000												
Anthracene	350	190000	190000	170000												
Benzo (A) Anthracene	320	110	190000	2.1												
Benzo (a) Pyrene	46	11	190000	0.21												
Benzo (b) Fluoranthene	170	110	190000	2.1												
Benzo (g,h,i) Perylene	180	170000	190000													
Benzo (k) Fluoranthene	610	1100	190000	21												
Bis(2-Chloroethoxy) Methane				1800												
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9												
Bis(2-Chloroisopropyl) Ether	30	160	190	17												
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120												
Butylbenzylphthalate	10000	10000	10000	910												
Carbazole	83	4000	190000													
Chrysene	230	11000	190000	210												
Dibenzo (a,h) Anthracene	160	11	190000	0.21												
Dibenzofuran																
Diethylphthalate	500	10000	10000	490000												
Dimethylphthalate																
Di-n-Butylphthalate	4100	10000	10000	62000												
Di-n-octylphthalate	10000	10000	10000													
Fluoranthene	3200	110000	190000	22000												
Fluorene	3800	110000	190000	22000												
Hexachlorobenzene	0.96	50	190000	1.1												
Hexachlorobutadiene	1.2	560	10000	22												
Hexachlorocyclopentadiene	91	10000	10000	3700												
Hexachloroethane	0.56	2800	190000	120												
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1												
Isophorone	10	10000	10000	1800												
Naphthalene	25	56000	190000	20												
Nitrobenzene	5.1	1400	10000	22												
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25												
N-Nitrosodiphenylamine	83	16000	190000	350												
Pentachlorophenol	5	660	190000	9												
Phenanthrene	10000	190000	190000													
Phenol	400	190000	190000	180000												
Pyrene	2200	84000	190000	17000												
Total Solids																
Percent Solids					81.60%	87.10%	78.50%	85.70%	79.60%	86.90%	85.20%	87.20%	84.20%	78.70%	79.30%	83.50%
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8												
1,1,1-Trichloroethane	20	10000	10000	39000	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063	0.065

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.

Table 3.12-2
Soils Data Summary - Building 2 - Former Cutting Oil Tank Area (B2CO)
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 RSL Industrial Soil (mg/kg)	SB-16 (00) 20 10/22/2000	SB-17 (00) 6 10/22/2000	SB-17 (00) 10 10/22/2000	SB-17 (00) 15 10/22/2000	SB-17 (00) 20 10/22/2000	SB-19 (00) 5.5 10/21/2000	SB-19 (00) 10 10/21/2000	SB-19 (00) 15 10/21/2000	SB-19 (00) 19.5 10/21/2000	SB-21 (00) 10 10/22/2000	SB-21 (00) 14 10/22/2000	SB-21 (00) 18 10/22/2000
1,1,2-Trichloroethane	0.5	100	120	5.5	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.021 J	0.056 U	0.063 U	0.065 U
1,1,2-Trichlorofluoromethane	200	10000	10000	3400	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
1,1-Dichloroethane	11	1000	1200	17	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
1,1-Dichloroethene	0.7	33	38	1100	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.02 J	0.012 J	0.038 J	0.056 U	0.063 U	0.065 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17												
1,2-Dichloroethane	0.5	63	73	2.2	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
1,2-Dichloropropane	0.5	160	180	4.7	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
1,4-Dioxane	2.4	210	240	160												
2-Butanone	580	10000	10000	190000												
2-Chloroethyl Vinyl Ether					1.2 U	1.1 U	1.2 U	0.93 U	1.2 U	1 U	1 U	0.87 U	0.95 U	1.1 U	1.3 U	1.3 U
2-Hexanone																
4-Methyl-2-Pentanone	41	4300	4900	52000												
Acetone	1000	10000	10000	610000												
Acrolein	0.012	1.1	1.2	0.68	0.59 U	0.56 U	0.6 U	0.46 U	0.61 U	0.5 U	0.51 U	0.43 U	0.48 U	0.57 U	0.64 U	0.66 U
Acrylonitrile	0.27	24	28	1.2	0.24 U	0.23 U	0.24 U	0.18 U	0.24 U	0.2 U	0.2 U	0.17 U	0.19 U	0.23 U	0.26 U	0.26 U
Benzene	0.5	210	240	5.6	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Bromochloromethane	9	10000	10000													
Bromodichloromethane	10	45	51	1.4	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Bromoform	10	1500	1700	220	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Bromomethane	1	270	300	35	0.117 U	0.057 U	0.119 U	0.091 U	0.12 U	0.099 U	0.101 U	0.086 U	0.095 U	0.113 U	0.128 U	0.131 U
Carbon Disulfide	410	10000	10000	3000												
Carbon Tetrachloride	0.5	110	120	1.3	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Chlorobenzene	10	10000	10000	1500	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Chlorodibromomethane	10	61	70	3.4	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Chloroethane	90	10000	10000	62000	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Chloroform	10	17	19	1.5	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Chloromethane	0.3	920	1000	510	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
cis-1,2-Dichloroethene	7	1900	2100	10000												
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Ethylbenzene	70	10000	10000	29	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Methyl tert-butyl ether	2	3200	3700	190												
Methylene chloride	0.5	3500	4000	54	0.024 J	0.057 U	0.055 J	0.036 J	0.05 J	0.099 U	0.017 J	0.089	0.41	0.036 J	0.045 J	0.061 J
Styrene	24	10000	10000	38000												
Tetrachloroethene	0.5	1500	3300	2.7	0.059 U	0.057 U	0.013 J	0.012 J	0.015 J	0.051 U	0.039 J	0.046	0.12	0.062	0.035 J	0.036 J
Toluene	100	10000	10000	46000	0.059 U	0.057 U	0.013 J	0.01 J	0.012 J	0.051 U	0.052 U	0.044 U	0.048 U	0.009 J	0.011 J	0.016 J
trans-1,2-Dichloroethene	10	3700	4300	500	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.014 J	0.056 U	0.063 U	0.065 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.059 U	0.057 U	0.059 U	0.047 U	0.06 U	0.051 U	0.052 U	0.044 U	0.048 U	0.056 U	0.063 U	0.065 U
Trichloroethene	0.5	970	1100	14	0.32	0.057 U	0.21	0.16	0.47	0.051	7.9	17	52	0.47	0.99	1.2
Vinyl Chloride	0.2	53	220	1.7	0.117 U	0.057 U	0.119 U	0.091 U	0.12 U	0.099 U	0.101 U	0.086 U	0.095 U	0.113 U	0.128 U	0.131 U
Xylenes (Total)	1000	10000	10000	2600												

Blank results = analyte not analyzed. U = Not detected. J = Organics; estimated. Inorganics; blank contamination. B = Organics; blank contamination. Inorganics; estimated. E = Inorganics: matrix interference. * = excavated location.