Table 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	B4ND-SB-001 1 - 3 6/20/2007	B4ND-SB-001 13 - 15 6/21/2007	B4ND-SB-002 0 - 2 5/30/2007	B4ND-SB-002 1 - 3 6/12/2007	B4ND-SB-002 Dup 1 - 3 6/12/2007	B4ND-SB-002 8 - 10 6/18/2007	B4ND-SB-003 0 - 2 5/30/2007	B4ND-SB-003 1 - 3 6/12/2007	B4ND-SB-003 9 - 11 6/18/2007	B4ND-SB-004 1 - 3 6/20/2007
Cyanide, Free														
Cyanide, Free	200	56000	190000	20000	0.6 U	0.59 U	0.54 U	0.58 U	0.61 U	0.52 U	0.56 U	0.61 U	0.63 U	3.6
Cyanide, Total														
Cyanide, Total	200	56000	190000	20000	0.12 B	0.15 B	0.54 U	0.16 B	0.16 B	0.52 U	0.56 U	0.27 B	1.3	2.2
Mercury														
Mercury	10	840	190000	24	0.054	0.11	0.094	0.081	0.097	0.019 B	0.084	0.062	0.046	0.97
Metal														
Antimony	27	1100	190000	410	1.2 U	1.2 U	1.1 UJ	1.2 U	1.2 U	1 U	1.1 UJ	1.2 U	1.3 U	1.2 U
Arsenic	150	53	190000	1.6	3.8	3.7	1.3	2.9	3.3	1.8	3.4	5	9.2	4.5
Barium	8200	190000	190000	190000	59	50.2	22.8	113	110	16.5 B	70.9	193	49.6	193
Beryllium	320	5600	190000	2000	0.57	1.6 J	0.43 U	0.75	0.8	0.51	0.74 J	1	1.1	1
Cadmium	38	210	190000	800	0.6 U	0.59 U	0.14 B	0.58 U	0.61 U	0.52 U	0.34 B	0.61 U	0.63 U	0.6 U
Chromium				1400	20.6	9.7	5.1	12.4	14.1	7.2	17.5	15.5	14.8	12.6
Copper	36000	100000	190000	41000	10.2	13.6 J	3.7	6.8	6.8	8.1	7.9	5.6	12.1	6
Lead	450	1000	190000	800	11.5	19.2	13.1	15	14.9	5.9	12.3	17.9	11	17.9
Mercury	10	840	190000	24										
Nickel	650	56000	190000	20000	7.9	14.6	2.9 B	6.7	7	7.1	6.3	6.9	55	6.8
Selenium	26	14000	190000	5100	0.86	0.47 B	0.54 U	0.56 B	0.49 B	0.52 U	0.56 U	0.61 U	0.63 U	0.38 B
Silver	84	14000	190000	5100	0.053 B	0.59 U	0.54 U	0.58 U	0.61 U	0.52 U	0.56 U	0.17 B	0.18 B	0.065 B
Thallium	14	200	190000	66	0.51 B	1.2 U	1.1 U	0.49 B	0.69 B	0.36 B	1.1 U	0.7 B	1 B	0.55 B
Vanadium	72000	20000	190000	7200	30.6	16.4	8.6	20.5	22.4	8.1	23.9	25.4	13.1	20.3
Zinc	12000	190000	190000	310000	21.6	43.2 J	9.6	27.2	27	20.4	19.5	27.2	62.1	30.6
Total Solids														
Percent Solids					83.50%	84.70%	93.20%	86.40%	81.50%	95.30%	89.10%	82.20%	79.50%	83.60%
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
1,1-Dichloroethane	11	1000	1200	17	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
1,1-Dichloroethene	0.7	33	38	1100	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
1,4-Dioxane	2.4	210	240	160	1.1 U	1 U		1.1 U	1.3 U	0.95 U		1.1 U	1 U	1.2 U
2-Butanone	580	10000	10000	190000	0.021 U	0.021 U		0.022 U	0.026 U	0.0019 J		0.022 U	0.02 U	0.024 U
2-Hexanone					0.021 U	0.021 U		0.022 U	0.026 U	0.019 U		0.022 U	0.02 U	0.024 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.021 U	0.021 U		0.022 U	0.026 U	0.019 U		0.022 U	0.02 U	0.024 U
Acetone	1000	10000	10000	610000	0.021 U	0.021 U		0.022 U	0.026 U	0.012 J		0.0063 J	0.02 U	0.024 U
Acrylonitrile	0.27	24	28	1.2	0.11 U	0.1 U		0.11 U	0.13 U	0.095 U		0.11 U	0.1 U	0.12 U
Benzene	0.5	210	240	5.6	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Bromochloromethane	9	10000	10000		0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Bromodichloromethane	10	45	51	1.4	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Bromoform	10	1500	1700	220	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Bromomethane	1	270	300	35	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Carbon Disulfide	410	10000	10000	3000	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0014 J		0.0055 U	0.005 U	0.006 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Chlorobenzene	10	10000	10000	1500	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Chlorodibromomethane	10	61	70	3.4	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Chloroethane	90	10000	10000	62000	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Chloroform	10	17	19	1.5	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	B4ND-SB-001 1 - 3 6/20/2007	B4ND-SB-001 13 - 15 6/21/2007	B4ND-SB-002 0 - 2 5/30/2007	B4ND-SB-002 1 - 3 6/12/2007	B4ND-SB-002 Dup 1 - 3 6/12/2007	B4ND-SB-002 8 - 10 6/18/2007	B4ND-SB-003 0 - 2 5/30/2007	B4ND-SB-003 1 - 3 6/12/2007	B4ND-SB-003 9 - 11 6/18/2007	B4ND-SB-004 1 - 3 6/20/2007
Chloromethane	0.3	920	1000	510	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Ethylbenzene	70	10000	10000	29	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Methyl tert-butyl ether	2	3200	3700	190	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Methylene chloride	0.5	3500	4000	54	0.0053 U	0.0052 U		0.004 J B	0.0054 J B	0.0031 J B		0.0044 J B	0.0033 J B	0.006 U
Styrene	24	10000	10000	38000	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Tetrachloroethene	0.5	1500	3300	2.7	0.02	0.0013 J		0.0039 J	0.021	0.016		0.044	0.005 U	0.045
Toluene	100	10000	10000	46000	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
trans-1,2-Dichloroethene	10	3700	4300	500	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Trichloroethene	0.5	970	1100	14	0.0027 J	0.0052 U		0.0022 J	0.0033 J	0.014		0.038	0.005 U	0.0062
Vinyl Chloride	0.2	53	220	1.7	0.0053 U	0.0052 U		0.0055 U	0.0066 U	0.0048 U		0.0055 U	0.005 U	0.006 U
Xylenes (Total)	1000	10000	10000	2600	0.016 U	0.016 U		0.016 U	0.02 U	0.014 U		0.017 U	0.015 U	0.018 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 3.10-1
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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)	B4ND-SB-004 1 - 3 6/12/2007	B4ND-SB-004 11 - 13 6/21/2007	B4ND-SB-005 1 - 3 6/12/2007	B4ND-SB-005 6 - 8 6/18/2007	B4ND-SB-005 12 - 14 6/18/2007	B4ND-SB-006 0 - 1 6/20/2007	B4ND-SB-006 1 - 3 6/28/2007	B4ND-SB-007 Dup 0 - 2 5/30/2007	B4ND-SB-007 1 - 3 5/30/2007	B4ND-SB-007 8 - 10 5/31/2007
Cyanide, Free														
Cyanide, Free	200	56000	190000	20000	0.6 U	0.55 U	0.61 U	0.68 U	0.66 U	3280	0.6 U	0.60 U	0.62 U	0.58 U
Cyanide, Total														
Cyanide, Total	200	56000	190000	20000	4.8	2.8	1.1	0.72	0.66 U	9130	2.8 J	18.7 J	8.2 J	0.51 B
Mercury														
Mercury	10	840	190000	24	0.041	0.024 B	0.14	0.19	0.056	0.077	0.078	0.06	0.087	0.018 B
Metal														
Antimony	27	1100	190000	410	1.2 U	1.1 U	1.2 U	2.7 U	2.6 U	2.5	1.2 U	1.2 U	1.2 UJ	1.2 U
Arsenic	150	53	190000	1.6	5.2	2.1	4.3	4	25.6	3.3	3.2	4.4	4.2	4.1
Barium	8200	190000	190000	190000	108	20.3 B	155	576	60.1	2070	143	81.7	158	42.6
Beryllium	320	5600	190000	2000	0.77	0.51 J	0.98	2.5	2.7	0.49	0.95 J	0.79 J	0.89 J	1.6 J
Cadmium	38	210	190000	800	0.6 U	0.55 U	0.61 U	0.75 B	1.3 U	36.8	0.6 U	0.47 B	0.22 B	0.6
Chromium				1400	15.7	35.3	15.2	29.6	23.6	590	11.2	21.8	16.6	11.8
Copper	36000	100000	190000	41000	5.3	8 J	6.1	22.1	30.9	92.2	7.8	7.8	7.4	13.5
Lead	450	1000	190000	800	12.6	5.4	18.4	28.2	19.7	793	16.6	11.7	15.9	7.7
Mercury	10	840	190000	24										
Nickel	650	56000	190000	20000	7.4	12.9	7.6	38.3	64.3	2940	57.4	25.4	23.3	28.4
Selenium	26	14000	190000	5100	0.72	0.55 U	0.41 B	6.8 U	2.1	0.6 U	0.6 U	0.60 U	0.62 U	0.58 U
Silver	84	14000	190000	5100	0.6 U	0.55 U	0.046 B	2.9	0.81 B	0.69	0.13 B	0.60 U	0.62 U	0.58 U
Thallium	14	200	190000	66	0.48 B	1.1 U	0.51 B	13.5 U	1.8 B	1.2 U	0.45 B	1.2 U	1.2 U	0.9 B
Vanadium	72000	20000	190000	7200	29.4	10.1	22.1	34.5	37.8	14.4	18.8	27.5	22.7	17.3
Zinc	12000	190000	190000	310000	27	22.3 J	31	78.2	143	4170	24.8	27.8	22	58.1
Total Solids														
Percent Solids					83.40%	90.30%	82.30%	73.90%	76.20%	83.40%	83%	83.90%	81.10%	85.80%
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
1,1-Dichloroethane	11	1000	1200	17	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
1,1-Dichloroethene	0.7	33	38	1100	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
1,4-Dioxane	2.4	210	240	160	1.1 U	1 U	1 U	1.3 U	1.2 U	1.1 U	1.1 U	0.980 U	1.0 U	0.92 U
2-Butanone	580	10000	10000	190000	0.023 U	0.021 U	0.021 U	0.025 U	0.023 U	0.023 U	0.023 U	0.02 U	0.02 U	0.018 U
2-Hexanone					0.023 U	0.021 U	0.021 U	0.025 U	0.023 U	0.023 U	0.023 U	0.02 U	0.02 U	0.018 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.023 U	0.021 U	0.021 U	0.025 U	0.023 U	0.023 U	0.023 U	0.02 U	0.02 U	0.018 U
Acetone	1000	10000	10000	610000	0.023 U	0.021 U	0.021 U	0.025 U	0.023 U	0.023 U	0.023 U	0.02 U	0.02 U	0.018 U
Acrylonitrile	0.27	24	28	1.2	0.11 U	0.1 U	0.1 U	0.13 U	0.12 U	0.11 U	0.11 U	0.098 U	0.1 U	0.092 U
Benzene	0.5	210	240	5.6	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Bromochloromethane	9	10000	10000		0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Bromodichloromethane	10	45	51	1.4	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Bromoform	10	1500	1700	220	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Bromomethane	1	270	300	35	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Carbon Disulfide	410	10000	10000	3000	0.0056 U	0.0014 J	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.003 J	0.0049 U	0.0051 U	0.0046 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Chlorobenzene	10	10000	10000	1500	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Chlorodibromomethane	10	61	70	3.4	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Chloroethane	90	10000	10000	62000	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Chloroform	10	17	19	1.5	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U

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Chloromethane	0.3	920	1000	510	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0039 J	0.0056 U	0.0026 J	0.0049 U	0.0051 U	0.0046 U
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Ethylbenzene	70	10000	10000	29	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0021 J	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Methyl tert-butyl ether	2	3200	3700	190	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Methylene chloride	0.5	3500	4000	54	0.0046 J B	0.0051 U	0.0031 J B	0.0035 J B	0.0065 B	0.0056 U	0.0034 J B	0.0049 U	0.0051 U	0.0046 U
Styrene	24	10000	10000	38000	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Tetrachloroethene	0.5	1500	3300	2.7	0.022	0.0045 J	0.065	0.0043 J	0.058	0.014	0.13	0.0064	0.0051 U	0.0046 U
Toluene	100	10000	10000	46000	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
trans-1,2-Dichloroethene	10	3700	4300	500	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Trichloroethene	0.5	970	1100	14	0.0056 U	0.0051 U	0.0024 J	0.0063 U	0.0089	0.0049 J	0.042	0.0049 U	0.0051 U	0.0046 U
Vinyl Chloride	0.2	53	220	1.7	0.0056 U	0.0051 U	0.0052 U	0.0063 U	0.0058 U	0.0056 U	0.0057 U	0.0049 U	0.0051 U	0.0046 U
Xylenes (Total)	1000	10000	10000	2600	0.017 U	0.015 U	0.015 U	0.019 U	0.017 U	0.021	0.017 U	0.015 U	0.015 U	0.014 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	B4ND-SB-008 0 - 2 5/30/2007	B4ND-SB-008 1 - 3 6/12/2007	B4ND-SB-008 13 - 15 6/18/2007	B4ND-SB-009 1 - 3 6/11/2007	B4ND-SB-009 1 - 3 5/30/2007	B4ND-SB-009 10 - 12 6/14/2007	B4ND-SB-010 1 - 3 6/6/2007	B4ND-SB-010 7 - 9 6/6/2007	B4ND-SB-011 1 - 3 6/20/2007	B4ND-SB-011 1 - 3 5/30/2007
Cyanide, Free														
Cyanide, Free	200	56000	190000	20000	0.59 U	0.25 B	0.19 B	0.64 U	0.59 U	0.56 U	0.61 U	0.63 U	0.58 U	0.59 U
Cyanide, Total														
Cyanide, Total	200	56000	190000	20000	0.59 U	6.6	6.2	1.1	0.59 U	0.25 B	0.17 B J	0.63 U	0.58 U	0.59 U
Mercury														
Mercury	10	840	190000	24	0.054	0.073	0.064	0.025 B	0.027 B	0.037 U	0.034 B	0.075	0.052	0.032 B
Metal														
Antimony	27	1100	190000	410	1.2 UJ	1.2 U	1.1 U	1.3 U	1.2 UJ	1.1 U	1.2 U	1.3 U	1.2 U	1.2 UJ
Arsenic	150	53	190000	1.6	0.62 B	3.9	3	5.3	5.3	1.7	4.4	2.4	4.3	6.2
Barium	8200	190000	190000	190000	21.8 B	136	26	80	87.4	26.9	94.4	38.9	67	61.8
Beryllium	320	5600	190000	2000	0.47 U	0.92	1.2	0.94 J	0.67 J	0.63	0.61	1.2	0.64	0.79 J
Cadmium	38	210	190000	800	16.7	0.4 B	0.57 U	0.64 U	0.26 B	0.56 U	0.61 U	0.63 U	0.58 U	0.27 B
Chromium				1400	10.8	12.4	10	17.1	16.2	8.3	14.7	23.7	12.7	13
Copper	36000	100000	190000	41000	20	7.6	12.7	7	5.9	8.5	5.3	23.6	7	5.3
Lead	450	1000	190000	800	24.3	20.1	9.4	8.7	8.4	8.6	9.4	22	10.5	7.2
Mercury	10	840	190000	24										
Nickel	650	56000	190000	20000	23.1	23	21.2	8.6	7.8	6.3	5.6	14.2	6.5	3.4 B
Selenium	26	14000	190000	5100	0.59 U	0.61 U	0.47 B	0.64 U	0.59 U	0.56 U	0.38 B	0.63 U	0.4 B	0.59 U
Silver	84	14000	190000	5100	0.59 U	0.61 U	0.57 U	0.64 U	0.59 U	0.56 U	0.61 U	0.63 U	0.58 U	0.59 U
Thallium	14	200	190000	66	1.2 U	0.92 B	0.61 B	1.3 U	1.2 U	0.52 B	1.2 U	0.64 B	0.38 B	1.2 U
Vanadium	72000	20000	190000	7200	6.4	19.5	14.8	27.1	27.4	14.3	25	31.3	17.7	19.5
Zinc	12000	190000	190000	310000	1030	61.8	79	20.3	21	21.1	23.4	50.6	15	11.5
Total Solids														
Percent Solids					84.70%	81.50%	88.20%	78.60%	84.20%	90%	81.30%	79.80%	86.10%	85.00%
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
1,1-Dichloroethane	11	1000	1200	17	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
1,1-Dichloroethene	0.7	33	38	1100	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
1,4-Dioxane	2.4	210	240	160	1.1 U	1 U	0.93 U	1.2 U	1.1 U	0.92 U	1.1 U	1.1 U	0.95 U	0.98 U
2-Butanone	580	10000	10000	190000	0.023 U	0.021 U	0.019 U	0.024 U	0.023 U	0.018 U	0.022 U	0.022 U	0.019 U	0.02 U
2-Hexanone					0.023 U	0.021 U	0.019 U	0.024 U	0.023 U	0.018 U	0.022 U	0.022 U	0.019 U	0.02 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.023 U	0.021 U	0.019 U	0.024 U	0.023 U	0.018 U	0.022 U	0.022 U	0.019 U	0.02 U
Acetone	1000	10000	10000	610000	0.023 U	0.021 U	0.019 U	0.024 U	0.023 U	0.018 U	0.022 U	0.022 U	0.019 U	0.02 U
Acrylonitrile	0.27	24	28	1.2	0.11 U	0.1 U	0.093 U	0.12 U	0.11 U	0.092 U	0.11 U	0.11 U	0.095 U	0.098 U
Benzene	0.5	210	240	5.6	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Bromochloromethane	9	10000	10000		0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Bromodichloromethane	10	45	51	1.4	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Bromoform	10	1500	1700	220	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Bromomethane	1	270	300	35	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Carbon Disulfide	410	10000	10000	3000	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Chlorobenzene	10	10000	10000	1500	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Chlorodibromomethane	10	61	70	3.4	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Chloroethane	90	10000	10000	62000	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Chloroform	10	17	19	1.5	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	B4ND-SB-008 0 - 2 5/30/2007	B4ND-SB-008 1 - 3 6/12/2007	B4ND-SB-008 13 - 15 6/18/2007	B4ND-SB-009 1 - 3 6/11/2007	B4ND-SB-009 1 - 3 5/30/2007	B4ND-SB-009 10 - 12 6/14/2007	B4ND-SB-010 1 - 3 6/6/2007	B4ND-SB-010 7 - 9 6/6/2007	B4ND-SB-011 1 - 3 6/20/2007	B4ND-SB-011 1 - 3 5/30/2007
Chloromethane	0.3	920	1000	510	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0.0057 U	0.0052 U	0.0024 J	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Ethylbenzene	70	10000	10000	29	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Methyl tert-butyl ether	2	3200	3700	190	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Methylene chloride	0.5	3500	4000	54	0.0057 U	0.0035 J B	0.0037 J B	0.0018 J	0.0057 U	0.0046 U	0.0054 U	0.0017 J	0.0048 U	0.0049 U
Styrene	24	10000	10000	38000	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Tetrachloroethene	0.5	1500	3300	2.7	0.0057 U	0.055	0.05	0.006 U	0.0057 U	0.0046 U	0.0034 J	0.0054 U	0.011	0.0061
Toluene	100	10000	10000	46000	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
trans-1,2-Dichloroethene	10	3700	4300	500	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Trichloroethene	0.5	970	1100	14	0.0057 U	0.0024 J	0.0059	0.006 U	0.0057 U	0.0046 U	0.0033 J	0.0054 U	0.0016 J	0.0049 U
Vinyl Chloride	0.2	53	220	1.7	0.0057 U	0.0052 U	0.0047 U	0.006 U	0.0057 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0049 U
Xylenes (Total)	1000	10000	10000	2600	0.017 U	0.016 U	0.014 U	0.018 U	0.017 U	0.014 U	0.016 U	0.016 U	0.014 U	0.015 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	B4ND-SB-011 6 - 8 6/21/2007	B4ND-SB-012 1 - 3 6/11/2007	B4ND-SB-012 13 - 15 7/2/2007	B4ND-SB-013 1 - 3 6/4/2007	B4ND-SB-013 11 - 13 6/5/2007	B4ND-SB-014 1 - 3 6/29/2007	B4ND-SB-014 13 - 15 7/23/2007	B4ND-SB-015 1 - 3 6/6/2007	B4ND-SB-015 Dup 1 - 3 6/6/2007	B4ND-SB-015 10 - 12 6/14/2007
Cyanide, Free														
Cyanide, Free	200	56000	190000	20000	0.57 U	0.6 U	0.56 U	0.53 U	0.6 U	0.26 B	0.63 U	0.53 U	0.52 U	0.63 U
Cyanide, Total														
Cyanide, Total	200	56000	190000	20000	0.57 U	2.2	0.5 B	0.53 U	0.6 U	0.19 B J	0.22 B	0.38 B J	0.26 B J	0.3 B
Mercury														
Mercury	10	840	190000	24	0.13	0.033 B	0.023 B	0.036	0.13	0.094	0.061	0.037	0.04	0.013 B
Metal														
Antimony	27	1100	190000	410	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1 U	1.3 U
Arsenic	150	53	190000	1.6	1.6	6.2	2.1	4.8	2	4.3	2.3	2.8	2.3	5.4
Barium	8200	190000	190000	190000	29.1	87.1	26.4	71.6	41.2	59.2	35.2	96.6	70.8	41.3
Beryllium	320	5600	190000	2000	0.52 J	0.9 J	1.2	0.62	1	0.47 J	0.5 J	0.65	0.5	0.65
Cadmium	38	210	190000	800	0.57 U	0.6 U	0.56 U	0.53 U	0.6 U	0.59 U	0.19 B	0.53 U	0.52 U	0.63 U
Chromium				1400	8	18.8	6.4	14.4	30.3	18.2	15.3	11.2	10.1	16.9
Copper	36000	100000	190000	41000	7.7 J	7.5	16.6	6.7	12	9.3	9.4	11.6	187	10.2
Lead	450	1000	190000	800	8.5	8.3	8.5	10.5	11.2	9.6	10.6	14.4	14.4	10.1
Mercury	10	840	190000	24										
Nickel	650	56000	190000	20000	6.4	5.6	20.5	5.1	15.3	7.4	11.5	5.8	4.8	10.1
Selenium	26	14000	190000	5100	0.57 U	0.6 U	0.67	0.9 J	0.6 U	0.77	0.52 B	0.53 U	0.52 U	0.78
Silver	84	14000	190000	5100	0.57 U	0.6 U	0.56 U	0.53 U	0.6 U	0.59 U	0.63 U	0.095 B J	0.059 B J	0.63 U
Thallium	14	200	190000	66	1.1 U	1.2 U	0.66 B	1 B J	0.99 B J	1.2 U	1.3 U	1.1 U	1 U	0.64 B
Vanadium	72000	20000	190000	7200	13.2	28.8	13.2	21	20.7	27.5	16.3	17.6	14.2	27.9
Zinc	12000	190000	190000	310000	21.2 J	19.6	75	24.5	40	19.8	34.8 J	18	16.6	25.1
Total Solids														
Percent Solids					88.40%	83.50%	89.20%	94.90%	82.80%	85.10%	79.40%	94.80%	96.20%	79.90%
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	170	0.0058 U	0.0058 U	0.0057 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
1,1-Dichloroethane	11	1000	1200	17	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	1	0.0058 U	0.0058 U	0.0057 U
1,1-Dichloroethene	0.7	33	38	1100	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	56 U	0.0058 U	0.0058 U	0.0057 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
1,2-Dichloroethane	0.5	63	73	2.2	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
1,2-Dichloropropane	0.5	160	180	4.7	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
1,4-Dioxane	2.4	210	240	160	1 U	1.1 U	3	1.1 U	1000 U	1.1 U	56 U	1.2 U	1.2 U	1.1 U
2-Butanone	580	10000	10000	190000	0.02 U	0.022 U	0.021 U	0.023 U	21 U	0.022 U	1.1 U	0.023 U	0.023 U	0.023 U
2-Hexanone					0.02 U	0.022 U	0.021 U	0.023 U	21 U	0.022 U	1.1 U	0.023 U	0.023 U	0.023 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.02 U	0.022 U	0.021 U	0.023 U	21 U	0.022 U	1.1 U	0.023 U	0.023 U	0.023 U
Acetone	1000	10000	10000	610000	0.02 U	0.022 U	0.021 U	0.023 U	21 U	0.022 U	0.22 J	0.023 U	0.023 U	0.023 U
Acrylonitrile	0.27	24	28	1.2	0.1 U	0.11 U	0.1 U	0.11 U	100 U	0.11 U	5.6 U	0.12 U	0.12 U	0.11 U
Benzene	0.5	210	240	5.6	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Bromochloromethane	9	10000	10000		0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Bromodichloromethane	10	45	51	1.4	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Bromoform	10	1500	1700	220	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Bromomethane	1	270	300	35	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Carbon Disulfide	410	10000	10000	3000	0.0034 J	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Carbon Tetrachloride	0.5	110	120	1.3	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Chlorobenzene	10	10000	10000	1500	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Chlorodibromomethane	10	61	70	3.4	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Chloroethane	90	10000	10000	62000	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Chloroform	10	17	19	1.5	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	B4ND-SB-011 6 - 8 6/21/2007	B4ND-SB-012 1 - 3 6/11/2007	B4ND-SB-012 13 - 15 7/2/2007	B4ND-SB-013 1 - 3 6/4/2007	B4ND-SB-013 11 - 13 6/5/2007	B4ND-SB-014 1 - 3 6/29/2007	B4ND-SB-014 13 - 15 7/23/2007	B4ND-SB-015 1 - 3 6/6/2007	B4ND-SB-015 Dup 1 - 3 6/6/2007	B4ND-SB-015 10 - 12 6/14/2007
Chloromethane	0.3	920	1000	510	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0.0022 J	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Ethylbenzene	70	10000	10000	29	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Methyl tert-butyl ether	2	3200	3700	190	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Methylene chloride	0.5	3500	4000	54	0.005 U	0.0019 J	0.0014 J B	0.0057 U	5.2 U	0.0016 J B	0.28 U	0.0058 U	0.0058 U	0.003 J B
Styrene	24	10000	10000	38000	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Tetrachloroethene	0.5	1500	3300	2.7	0.02	0.026	0.0073	0.0057 U	110	0.0055 U	1400	0.0058 U	0.0058 U	0.0057 U
Toluene	100	10000	10000	46000	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.29	0.0058 U	0.0058 U	0.0057 U
trans-1,2-Dichloroethene	10	3700	4300	500	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Trichloroethene	0.5	970	1100	14	0.0025 J	0.0012 J	0.0052 U	0.0057 U	1.8 J	0.0055 U	460	0.0058 U	0.0058 U	0.0057 U
Vinyl Chloride	0.2	53	220	1.7	0.005 U	0.0055 U	0.0052 U	0.0057 U	5.2 U	0.0055 U	0.28 U	0.0058 U	0.0058 U	0.0057 U
Xylenes (Total)	1000	10000	10000	2600	0.015 U	0.017 U	0.016 U	0.017 U	16 U	0.016 U	0.84 U	0.017 U	0.017 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	B4ND-SB-016 1 - 3 6/4/2007	B4ND-SB-016 10 - 12 6/5/2007	B4ND-SB-017 1 - 13 6/20/2007	B4ND-SB-017 13 - 15 6/21/2007	B4ND-SB-018 0 - 2 5/29/2007	B4ND-SB-018 13 - 15 5/29/2007	B4ND-SB-019 1 - 3 5/29/2007	B4ND-SB-019 13 - 15 5/29/2007	B4ND-SB-020 0 - 2 5/31/2007	B4ND-SB-020 1 - 3 6/11/2007
Cyanide, Free														
Cyanide, Free	200	56000	190000	20000	0.54 U	0.59 U	7	0.6 U	0.56 U	0.6 U	0.53 U	0.7 U	0.62 U	0.64 U
Cyanide, Total														
Cyanide, Total	200	56000	190000	20000	0.54 U	0.59 U	7.4	0.65	0.3 B	0.36 B	0.53 U	0.7 U	0.43 B	1.7
Mercury														
Mercury	10	840	190000	24	0.06	0.049	0.029 B	0.036 B	0.03 B	0.069	0.051	0.12	0.047	0.034 B
Metal														
Antimony	27	1100	190000	410	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	0.31 B J	0.13 B J	1.4 U	1.2 U	0.2 B J
Arsenic	150	53	190000	1.6	4.2	1.1 B	1.8	1.6	2.9	3.5	4	3.5	4.1	6.8
Barium	8200	190000	190000	190000	47.6	32.5	37.3	27.4	223	44.6	63.8	56.5	72.8	85.1
Beryllium	320	5600	190000	2000	0.48	0.49	0.51	0.93 J	1.5 J	0.56 J	0.66 J	1.9 J	0.69 J	1 J
Cadmium	38	210	190000	800	0.54 U	0.59 U	0.55 U	0.6 U	0.28 B	0.22 B	0.26 B	0.68 B	0.26 B	0.64 U
Chromium				1400	14.5	23.1	14.7	10.2	11.7	15.6	16.3	14.6	15.2	19.6
Copper	36000	100000	190000	41000	7.8	11.5	3.4	21.8 J	4.9	9.9	8.6	21.9	7.2	7.1
Lead	450	1000	190000	800	11.7	10.4	5	11.5	10.6	6.9	10.4	14.3	10.6	9.1
Mercury	10	840	190000	24										
Nickel	650	56000	190000	20000	5.2	9.5	6.6	18	7.9	9.5	6.3	19.3	5.9	6.1
Selenium	26	14000	190000	5100	0.43 B J	0.59 U	0.55 U	0.48 B	0.56 U	0.6 U	0.53 U	0.7 U	0.62 U	0.64 U
Silver	84	14000	190000	5100	0.54 U	0.59 U	0.55 U	0.6 U	0.56 U	0.6 U	0.53 U	0.7 U	0.62 U	0.64 U
Thallium	14	200	190000	66	1.1 U	0.43 B J	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	0.77 B	0.42 B	0.71 B
Vanadium	72000	20000	190000	7200	21.7	15.8	11.5	16.9	18.9	20.9	25.7	28.6	26.8	32.7
Zinc	12000	190000	190000	310000	19	24.9	12.5	64.8 J	27.8	21.1	18	63.7	15.3	23.2
Total Solids														
Percent Solids					93.10%	84.70%	91.70%	83.90%	88.60%	83.40%	94.40%	71%	81.20%	77.60%
Volatile Organic Compound														
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0086	0.0064 U	0.0061 U	0.0055 U	0.0063 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0069	0.0055 U	0.0063 U
1,1-Dichloroethane	11	1000	1200	17	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0043 J	0.0055 U	0.0063 U
1,1-Dichloroethene	0.7	33	38	1100	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0045 J	0.0055 U	0.0063 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0067	0.0055 U	0.0063 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
1,4-Dioxane	2.4	210	240	160	1.1 U	1.1 U	1.1 U	0.92 U	1.3 U	0.96 U	1.3 U	5.2	1.1 U	1.3 U
2-Butanone	580	10000	10000	190000	0.022 U	0.021 U	0.022 U	0.018 U	0.025 U	0.019 U	0.025 U	0.025 U	0.022 U	0.025 U
2-Hexanone					0.022 U	0.021 U	0.022 U	0.018 U	0.025 U	0.019 U	0.025 U	0.038	0.022 U	0.025 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.022 U	0.021 U	0.022 U	0.018 U	0.025 U	0.019 U	0.025 U	0.025 U	0.022 U	0.025 U
Acetone	1000	10000	10000	610000	0.022 U	0.021 U	0.022 U	0.018 U	0.025 U	0.019 U	0.025 U	0.025 U	0.022 U	0.025 U
Acrylonitrile	0.27	24	28	1.2	0.11 U	0.11 U	0.11 U	0.092 U	0.13 U	0.096 U	0.13 U	0.12 U	0.11 U	0.13 U
Benzene	0.5	210	240	5.6	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Bromochloromethane	9	10000	10000		0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Bromodichloromethane	10	45	51	1.4	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Bromoform	10	1500	1700	220	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Bromomethane	1	270	300	35	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Carbon Disulfide	410	10000	10000	3000	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Chlorobenzene	10	10000	10000	1500	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Chlorodibromomethane	10	61	70	3.4	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Chloroethane	90	10000	10000	62000	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Chloroform	10	17	19	1.5	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0014 J	0.0055 U	0.0063 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	B4ND-SB-016 1 - 3 6/4/2007	B4ND-SB-016 10 - 12 6/5/2007	B4ND-SB-017 1 - 13 6/20/2007	B4ND-SB-017 13 - 15 6/21/2007	B4ND-SB-018 0 - 2 5/29/2007	B4ND-SB-018 13 - 15 5/29/2007	B4ND-SB-019 1 - 3 5/29/2007	B4ND-SB-019 13 - 15 5/29/2007	B4ND-SB-020 0 - 2 5/31/2007	B4ND-SB-020 1 - 3 6/11/2007
Chloromethane	0.3	920	1000	510	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0017 J	0.0055 U	0.0063 U
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Ethylbenzene	70	10000	10000	29	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Methyl tert-butyl ether	2	3200	3700	190	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Methylene chloride	0.5	3500	4000	54	0.0056 U	0.0022 J	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0021 J
Styrene	24	10000	10000	38000	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Tetrachloroethene	0.5	1500	3300	2.7	0.0056 U	0.003 J	0.0018 J	0.0046 U	0.0063 U	0.03	0.0064 U	0.01	0.0055 U	0.017
Toluene	100	10000	10000	46000	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
trans-1,2-Dichloroethene	10	3700	4300	500	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Trichloroethene	0.5	970	1100	14	0.0032 J	0.0053 U	0.0039 J	0.0046 U	0.0063 U	0.012	0.0064 U	0.2	0.0055 U	0.0026 J
Vinyl Chloride	0.2	53	220	1.7	0.0056 U	0.0053 U	0.0055 U	0.0046 U	0.0063 U	0.0048 U	0.0064 U	0.0061 U	0.0055 U	0.0063 U
Xylenes (Total)	1000	10000	10000	2600	0.017 U	0.016 U	0.016 U	0.014 U	0.019 U	0.014 U	0.019 U	0.018 U	0.016 U	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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	B4ND-SB-020 10 - 12 6/14/2007	B4ND-SB-021 2 - 4 1/16/2008	B4ND-SB-021 14 - 16 1/17/2008	B4ND-SB-022 0 - 2 1/16/2008	B4ND-SB-023 0 - 2 1/16/2008	BLD4-SB-1 0 - 2 6/17/1992	BLD4-SB-1 2 - 4 6/17/1992	BLD4-SB-2 0 - 2 6/17/1992	BLD4-SB-2 2 - 4 6/17/1992	BLD4-SB-2 4 - 6 6/17/1992	BLD4-SB-3 0 - 2 6/17/1992
Cyanide, Free															
Cyanide, Free	200	56000	190000	20000	0.58 U	0.61 U	0.57 U	0.59 U	0.59 U						
Cyanide, Total															
Cyanide, Total	200	56000	190000	20000	0.58 U	11.2	3	0.52 B	0.38 B						
Mercury															
Mercury	10	840	190000	24	0.015 B	0.054	0.039	0.075	0.086						
Metal															
Antimony	27	1100	190000	410	1.2 U	0.16 J	1.1 U	0.28 J	1.2 UJ						
Arsenic	150	53	190000	1.6	3.3	3.6	2.6	5.2	6.5						
Barium	8200	190000	190000	190000	16.9 B	19.9 J	21.2 B	80.9 J	90.2 J						
Beryllium	320	5600	190000	2000	0.67	0.45 B	0.56	0.7	1.8						
Cadmium	38	210	190000	800	0.58 U	0.18 B	0.17 B	0.52 B	0.47 B						
Chromium				1400	7.9	14.5 J	10.3 J	18.8 J	9.2 J						
Copper	36000	100000	190000	41000	12	15.4	10.5	12.9	15.6						
Lead	450	1000	190000	800	9.1	9.5 J	7.9 J	18.7 J	13.6 J						
Mercury	10	840	190000	24											
Nickel	650	56000	190000	20000	8.6	9	7.4	11.7	15.9						
Selenium	26	14000	190000	5100	0.42 B	0.61 U	0.57 U	0.52 B	0.59 U						
Silver	84	14000	190000	5100	0.58 U	0.61 U	0.57 U	0.06 B	0.15 B						
Thallium	14	200	190000	66	0.46 B	1.2 U	1.1 U	1.2 U	1.2 U						
Vanadium	72000	20000	190000	7200	13.1	22.1	15.1	25.4	21.7						
Zinc	12000	190000	190000	310000	32.7	33.3	26.5	44.5	50.3						
Total Solids															
Percent Solids					85.70%		87.80%								
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
1,1,1-Trichloroethane	20	10000	10000	39000	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U	0.05	0 U	0 U	0.05	0.73	0.13
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
1,1,2-Trichloroethane	0.5	100	120	5.5	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethane	11	1000	1200	17	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	0.7	33	38	1100	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U	0.03	0 U	0 U	0 U	0.25	0 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
1,2-Dichloroethane	0.5	63	73	2.2	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloropropane	0.5	160	180	4.7	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
1,4-Dioxane	2.4	210	240	160	1 U	0.96 U	0.87 U	0.98 U	0.96 U						
2-Butanone	580	10000	10000	190000	0.02 U	0.019 U	0.017 U	0.02 U	0.019 U						
2-Hexanone					0.02 U	0.019 U	0.017 U	0.02 U	0.019 U						
4-Methyl-2-Pentanone	41	4300	4900	52000	0.02 U	0.019 U	0.017 U	0.02 U	0.019 U						
Acetone	1000	10000	10000	610000	0.02 U	0.019 U	0.017 U	0.02 U	0.019 U						
Acrylonitrile	0.27	24	28	1.2	0.1 U	0.096 U	0.087 U	0.098 U	0.096 U						
Benzene	0.5	210	240	5.6	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Bromochloromethane	9	10000	10000		0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Bromodichloromethane	10	45	51	1.4	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Bromoform	10	1500	1700	220	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Bromomethane	1	270	300	35	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Carbon Disulfide	410	10000	10000	3000	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Carbon Tetrachloride	0.5	110	120	1.3	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Chlorobenzene	10	10000	10000	1500	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Chlorodibromomethane	10	61	70	3.4	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Chloroethane	90	10000	10000	62000	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Chloroform	10	17	19	1.5	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	B4ND-SB-020 10 - 12 6/14/2007	B4ND-SB-021 2 - 4 1/16/2008	B4ND-SB-021 14 - 16 1/17/2008	B4ND-SB-022 0 - 2 1/16/2008	B4ND-SB-023 0 - 2 1/16/2008	BLD4-SB-1 0 - 2 6/17/1992	BLD4-SB-1 2 - 4 6/17/1992	BLD4-SB-2 0 - 2 6/17/1992	BLD4-SB-2 2 - 4 6/17/1992	BLD4-SB-2 4 - 6 6/17/1992	BLD4-SB-3 0 - 2 6/17/1992
Chloromethane	0.3	920	1000	510	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
cis-1,2-Dichloroethene	7	1900	2100	10000	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U	0 U	0 U	0 U	0 U	0 U	0 U
cis-1,3-Dichloropropene	2.6	410	470	8.4	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Ethylbenzene	70	10000	10000	29	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U	0 U	0 U	0 U	0 U	0 U	0 U
Methyl tert-butyl ether	2	3200	3700	190	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Methylene chloride	0.5	3500	4000	54	0.0023 J B	0.0048 U	0.0011 J	0.0049 U	0.0048 U						
Styrene	24	10000	10000	38000	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Tetrachloroethene	0.5	1500	3300	2.7	0.005 U	0.0048 U	0.0043 U	0.0045 J	0.0048 U	0.15	0 U	0.006	0 U	0.1	0.78
Toluene	100	10000	10000	46000	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
trans-1,2-Dichloroethene	10	3700	4300	500	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
trans-1,3-Dichloropropene	2.6	410	470	8.4	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U						
Trichloroethene	0.5	970	1100	14	0.005 U	0.0048 U	0.0043 U	0.0016 J	0.0048 U	0.96	0.014	0.32	0.32	2.4	1.2
Vinyl Chloride	0.2	53	220	1.7	0.005 U	0.0048 U	0.0043 U	0.0049 U	0.0048 U	0 U	0 U	0 U	0 U	0 U	0 U
Xylenes (Total)	1000	10000	10000	2600	0.015 U	0.014 U	0.013 U	0.015 U	0.014 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	BLD4-SB-3 2 - 4 6/17/1992	BLD4-SB-4 0 - 2 6/17/1992	BLD4-SB-4 2 - 4 6/17/1992	BLD4-SB-5 2.8 - 4.8 1/5/1993	BLD4-SB-6 0.9 - 2.9 1/5/1993	BLD4-SB-6 4.9 - 6.9 1/5/1993	BLD4-SB-7 1.3 - 4 1/5/1993	BLD4-SB-8 1.5 - 2.5 1/6/1993	BLD4-SB-8 2.5 - 3.4 1/6/1993	BLD4-SB-8 3.4 - 5.5 1/6/1993	BLD4-SB-9 2.1 - 2.6 1/6/1993	BLD4-SB-9 3.5 - 5.7 1/6/1993
Cyanide, Free																
Cyanide, Free	200	56000	190000	20000												
Cyanide, Total																
Cyanide, Total	200	56000	190000	20000												
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												
Mercury	10	840	190000	24												
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												
Total Solids																
Percent Solids																
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8												
1,1,1-Trichloroethane	20	10000	10000	39000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9												
1,1,2-Trichloroethane	0.5	100	120	5.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethane	11	1000	1200	17	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	0.7	33	38	1100	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17												
1,2-Dichloroethane	0.5	63	73	2.2	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloropropane	0.5	160	180	4.7												
1,4-Dioxane	2.4	210	240	160												
2-Butanone	580	10000	10000	190000												
2-Hexanone																
4-Methyl-2-Pentanone	41	4300	4900	52000												
Acetone	1000	10000	10000	610000												
Acrylonitrile	0.27	24	28	1.2												
Benzene	0.5	210	240	5.6												
Bromochloromethane	9	10000	10000													
Bromodichloromethane	10	45	51	1.4												
Bromoform	10	1500	1700	220												
Bromomethane	1	270	300	35												
Carbon Disulfide	410	10000	10000	3000												
Carbon Tetrachloride	0.5	110	120	1.3												
Chlorobenzene	10	10000	10000	1500												
Chlorodibromomethane	10	61	70	3.4												
Chloroethane	90	10000	10000	62000												
Chloroform	10	17	19	1.5												

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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	BLD4-SB-3 2 - 4 6/17/1992	BLD4-SB-4 0 - 2 6/17/1992	BLD4-SB-4 2 - 4 6/17/1992	BLD4-SB-5 2.8 - 4.8 1/5/1993	BLD4-SB-6 0.9 - 2.9 1/5/1993	BLD4-SB-6 4.9 - 6.9 1/5/1993	BLD4-SB-7 1.3 - 4 1/5/1993	BLD4-SB-8 1.5 - 2.5 1/6/1993	BLD4-SB-8 2.5 - 3.4 1/6/1993	BLD4-SB-8 3.4 - 5.5 1/6/1993	BLD4-SB-9 2.1 - 2.6 1/6/1993	BLD4-SB-9 3.5 - 5.7 1/6/1993
Chloromethane	0.3	920	1000	510												
cis-1,2-Dichloroethene	7	1900	2100	10000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0.013	0.014	0.049	0 U	0.2
cis-1,3-Dichloropropene	2.6	410	470	8.4												
Ethylbenzene	70	10000	10000	29	0 U	0 U	0 U	0 U						0 U		
Methyl tert-butyl ether	2	3200	3700	190												
Methylene chloride	0.5	3500	4000	54												
Styrene	24	10000	10000	38000												
Tetrachloroethene	0.5	1500	3300	2.7	0.016	1.2	0.02	0 U	0.045	0.007	0 U	0.32	1.2	0.84	0.028	0.54
Toluene	100	10000	10000	46000												
trans-1,2-Dichloroethene	10	3700	4300	500												
trans-1,3-Dichloropropene	2.6	410	470	8.4												
Trichloroethene	0.5	970	1100	14	0.03	3.4	0.106	0 U	0.014	0 U	0 U	0.02	0.043	0.052	0.005	0.025
Vinyl Chloride	0.2	53	220	1.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	BLD4-SB-9 7 - 8.5 1/6/1993	BLD4-SB-10 1.5 - 2.2 1/6/1993	BLD4-SB-10 4.7 - 7 1/6/1993	BLD4-SB-10 7 - 8.5 1/6/1993	BLD4-SB-11 1.7 - 2.4 1/6/1993	BLD4-SB-11 2.4 - 2.7 1/6/1993	BLD4-SB-11 2.7 - 3.7 1/6/1993	BLD4-SB-11 4 - 4.9 1/7/1993	*BLD4-SB-12 1.3 - 3 1/7/1993	BLD4-SB-13 6.5 - 7.4 1/8/1993	BLD4-SB-13 8.4 - 10.2 1/8/1993
Cyanide, Free															
Cyanide, Free	200	56000	190000	20000											
Cyanide, Total															
Cyanide, Total	200	56000	190000	20000											
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											
Mercury	10	840	190000	24											
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											
Total Solids															
Percent Solids															
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8											
1,1,1-Trichloroethane	20	10000	10000	39000	0.064	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0.625 U	0 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9											
1,1,2-Trichloroethane	0.5	100	120	5.5	0.006	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0.625 U	0 U
1,1-Dichloroethane	11	1000	1200	17	0 U	0 U	0 U	0 U	0 U	0.007	0 U	0 U	0 U	0.625 U	0 U
1,1-Dichloroethene	0.7	33	38	1100	0.014	0 U	0 U	0 U	0 U	0.032	0 U	0 U	0 U	0.625 U	0 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17											
1,2-Dichloroethane	0.5	63	73	2.2	0.01	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0.625 U	0 U
1,2-Dichloropropane	0.5	160	180	4.7											
1,4-Dioxane	2.4	210	240	160											
2-Butanone	580	10000	10000	190000											
2-Hexanone															
4-Methyl-2-Pentanone	41	4300	4900	52000											
Acetone	1000	10000	10000	610000											
Acrylonitrile	0.27	24	28	1.2											
Benzene	0.5	210	240	5.6											
Bromochloromethane	9	10000	10000												
Bromodichloromethane	10	45	51	1.4											
Bromoform	10	1500	1700	220											
Bromomethane	1	270	300	35											
Carbon Disulfide	410	10000	10000	3000											
Carbon Tetrachloride	0.5	110	120	1.3											
Chlorobenzene	10	10000	10000	1500											
Chlorodibromomethane	10	61	70	3.4											
Chloroethane	90	10000	10000	62000											
Chloroform	10	17	19	1.5											

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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	BLD4-SB-9 7 - 8.5 1/6/1993	BLD4-SB-10 1.5 - 2.2 1/6/1993	BLD4-SB-10 4.7 - 7 1/6/1993	BLD4-SB-10 7 - 8.5 1/6/1993	BLD4-SB-11 1.7 - 2.4 1/6/1993	BLD4-SB-11 2.4 - 2.7 1/6/1993	BLD4-SB-11 2.7 - 3.7 1/6/1993	BLD4-SB-11 4 - 4.9 1/7/1993	*BLD4-SB-12 1.3 - 3 1/7/1993	BLD4-SB-13 6.5 - 7.4 1/8/1993	BLD4-SB-13 8.4 - 10.2 1/8/1993
Chloromethane	0.3	920	1000	510											
cis-1,2-Dichloroethene	7	1900	2100	10000	0.65	0 U	0 U	0 U	0.009	0.035	0.007	0 U	0 U	0.625 U	0 U
cis-1,3-Dichloropropene	2.6	410	470	8.4											
Ethylbenzene	70	10000	10000	29							0 U			4.6	
Methyl tert-butyl ether	2	3200	3700	190											
Methylene chloride	0.5	3500	4000	54										1.250 U	0.22
Styrene	24	10000	10000	38000											
Tetrachloroethene	0.5	1500	3300	2.7	1.7	0 U	0 U	0 U	0.052	1.7	0.039	0 U	0 U	0.625 U	0 U
Toluene	100	10000	10000	46000											
trans-1,2-Dichloroethene	10	3700	4300	500											
trans-1,3-Dichloropropene	2.6	410	470	8.4											
Trichloroethene	0.5	970	1100	14	0.14	0 U	0 U	0 U	0 U	3.7	0.136	0 U	0 U	0.625 U	0 U
Vinyl Chloride	0.2	53	220	1.7	0.005	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1.25 U	0 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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	BLD4-SB-14 3 - 4 1/8/1993	BLD4-SB-15 1 - 1.5 1/8/1993	BLD4-SB-15 1.5 - 3 1/8/1993	BLD4-SB-15 6.8 - 7.7 1/8/1993	BLD4-VEP-1 1.4 - 2.8 7/15/1993	BLD4-VEP-1 4.3 - 6.9 7/15/1993	BLD4-VEP-2 1 - 1.4 7/15/1993	BLD4-VEP-2 1.9 - 3.5 7/15/1993	BLD4-VEP-3 1.1 - 2.8 7/15/1993	BLD4-VEP-3 3.6 - 4.8 7/15/1993	BLD4-VEP-4 1.2 - 2.3 7/15/1993
Cyanide, Free															
Cyanide, Free	200	56000	190000	20000											
Cyanide, Total															
Cyanide, Total	200	56000	190000	20000											
Mercury															
Mercury	10	840	190000	24											
Metal															
Antimony	27	1100	190000	410					0 U	0 U	0 U	0 U	0 U	0 U	0 U
Arsenic	150	53	190000	1.6					0 U	3.8	0 U	0 U	0 U	4.9	3.4
Barium	8200	190000	190000	190000											
Beryllium	320	5600	190000	2000					0 U	0 U	0 U	0 U	0 U	0 U	0 U
Cadmium	38	210	190000	800					2	0 U	0 U	0 U	0 U	0 U	0 U
Chromium				1400					48	20	23	21	13	36	290
Copper	36000	100000	190000	41000					13	13	13	6	2	9	4
Lead	450	1000	190000	800					0 U	0 U	0 U	0 U	0 U	0 U	0 U
Mercury	10	840	190000	24					0 U	0 U	0 U	0.12	0 U	0 U	0 U
Nickel	650	56000	190000	20000					210	94	1700	91	250	94	22
Selenium	26	14000	190000	5100					0 U	0 U	0 U	0 U	0 U	0 U	0 U
Silver	84	14000	190000	5100					0 U	0 U	0 U	0 U	0 U	0 U	0 U
Thallium	14	200	190000	66					0 U	0 U	0 U	0 U	0 U	0 U	0 U
Vanadium	72000	20000	190000	7200											
Zinc	12000	190000	190000	310000					280	57	50	35	61	190	100
Total Solids															
Percent Solids															
Volatile Organic Compound															
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8											
1,1,1-Trichloroethane	20	10000	10000	39000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9											
1,1,2-Trichloroethane	0.5	100	120	5.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethane	11	1000	1200	17	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,1-Dichloroethene	0.7	33	38	1100	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17											
1,2-Dichloroethane	0.5	63	73	2.2	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
1,2-Dichloropropane	0.5	160	180	4.7											
1,4-Dioxane	2.4	210	240	160											
2-Butanone	580	10000	10000	190000											
2-Hexanone															
4-Methyl-2-Pentanone	41	4300	4900	52000											
Acetone	1000	10000	10000	610000											
Acrylonitrile	0.27	24	28	1.2											
Benzene	0.5	210	240	5.6											
Bromochloromethane	9	10000	10000												
Bromodichloromethane	10	45	51	1.4											
Bromoform	10	1500	1700	220											
Bromomethane	1	270	300	35											
Carbon Disulfide	410	10000	10000	3000											
Carbon Tetrachloride	0.5	110	120	1.3											
Chlorobenzene	10	10000	10000	1500											
Chlorodibromomethane	10	61	70	3.4											
Chloroethane	90	10000	10000	62000											
Chloroform	10	17	19	1.5											

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 3.10-1
Soils Data Summary - North End of Building 4 - Former Northern Degreaser (B4ND)
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)	BLD4-SB-14 3 - 4 1/8/1993	BLD4-SB-15 1 - 1.5 1/8/1993	BLD4-SB-15 1.5 - 3 1/8/1993	BLD4-SB-15 6.8 - 7.7 1/8/1993	BLD4-VEP-1 1.4 - 2.8 7/15/1993	BLD4-VEP-1 4.3 - 6.9 7/15/1993	BLD4-VEP-2 1 - 1.4 7/15/1993	BLD4-VEP-2 1.9 - 3.5 7/15/1993	BLD4-VEP-3 1.1 - 2.8 7/15/1993	BLD4-VEP-3 3.6 - 4.8 7/15/1993	BLD4-VEP-4 1.2 - 2.3 7/15/1993
Chloromethane	0.3	920	1000	510											
cis-1,2-Dichloroethene	7	1900	2100	10000	0 U	0 U	0 U	0 U	0 U	0 U	0 U				
cis-1,3-Dichloropropene	2.6	410	470	8.4											
Ethylbenzene	70	10000	10000	29					0 U	0 U	0 U				
Methyl tert-butyl ether	2	3200	3700	190											
Methylene chloride	0.5	3500	4000	54											
Styrene	24	10000	10000	38000											
Tetrachloroethene	0.5	1500	3300	2.7	0 U	0.011	0.045	0 U	0.006	0 U	0 U	0 U	0 U	0 U	0.016
Toluene	100	10000	10000	46000											
trans-1,2-Dichloroethene	10	3700	4300	500											
trans-1,3-Dichloropropene	2.6	410	470	8.4											
Trichloroethene	0.5	970	1100	14	0 U	0.09	0.068	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0.007
Vinyl Chloride	0.2	53	220	1.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U				
Xylenes (Total)	1000	10000	10000	2600											

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Cyanide, Free					
Cyanide, Free	200	56000	190000	20000	
Cyanide, Total					
Cyanide, Total	200	56000	190000	20000	
Mercury					
Mercury	10	840	190000	24	
Metal					
Antimony	27	1100	190000	410	0 U
Arsenic	150	53	190000	1.6	3.8
Barium	8200	190000	190000	190000	
Beryllium	320	5600	190000	2000	0 U
Cadmium	38	210	190000	800	0 U
Chromium				1400	20
Copper	36000	100000	190000	41000	4
Lead	450	1000	190000	800	0 U
Mercury	10	840	190000	24	0 U
Nickel	650	56000	190000	20000	83
Selenium	26	14000	190000	5100	0 U
Silver	84	14000	190000	5100	0 U
Thallium	14	200	190000	66	0 U
Vanadium	72000	20000	190000	7200	
Zinc	12000	190000	190000	310000	30
Total Solids					
Percent Solids					
Volatile Organic Compound					
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	
1,1,1-Trichloroethane	20	10000	10000	39000	0 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	
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1,2-Dichloroethane	0.5	63	73	2.2	0 U
1,2-Dichloropropane	0.5	160	180	4.7	
1,4-Dioxane	2.4	210	240	160	
2-Butanone	580	10000	10000	190000	
2-Hexanone					
4-Methyl-2-Pentanone	41	4300	4900	52000	
Acetone	1000	10000	10000	610000	
Acrylonitrile	0.27	24	28	1.2	
Benzene	0.5	210	240	5.6	
Bromochloromethane	9	10000	10000		
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Ethylbenzene	70	10000	10000	29	
Methyl tert-butyl ether	2	3200	3700	190	
Methylene chloride	0.5	3500	4000	54	
Styrene	24	10000	10000	38000	
Tetrachloroethene	0.5	1500	3300	2.7	0.008
Toluene	100	10000	10000	46000	
trans-1,2-Dichloroethene	10	3700	4300	500	
trans-1,3-Dichloropropene	2.6	410	470	8.4	
Trichloroethene	0.5	970	1100	14	0 U
Vinyl Chloride	0.2	53	220	1.7	
Xylenes (Total)	1000	10000	10000	2600	

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