Table 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	2DSA-SG11a 1.5 - 2 12/29/1999	2DSA-SG11b 16 - 16.5 12/29/1999	2DSA-SG17a 2 - 2.5 12/29/1999	2DSA-SG17b 14 - 14.5 12/29/1999	2DSA-SG18a 2 - 2.5 12/29/1999	2DSA-SG18b 14 - 14.5 12/29/1999	2DSA-SG32a 2 - 2.5 12/27/1999	2DSA-SG32b 18 - 18.5 12/27/1999	2DSA-SG45a 2 - 2.5 12/27/1999	2DSA-SG45b 23.5 - 24 12/27/1999
Cyanide														
Cyanide, Free	200	56000	190000	20000										
Cyanide, Total	200	56000	190000	20000										
Cyanide, Free														
Cyanide, Free	200	56000	190000	20000										
Cyanide, Total														
Cyanide, Total	200	56000	190000	20000										
Leachable Metals														
Arsenic	150	53	190000	1.6										
Barium	8200	190000	190000	190000										
Cadmium	38	210	190000	800										
Chromium				1400										
Lead	450	1000	190000	800										
Selenium	26	14000	190000	5100										
Silver	84	14000	190000	5100										
Mercury														
Mercury	10	840	190000	24										
Metal														
Antimony	27	1100	190000	410										
Arochlor-1254	280	44	10000	0.74										
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										
Polychlorinated Biphenols														
Arochlor-1260	1900	130	190000	0.74										
PCBs (Total)				0.74										
pH														
pH														
Semi Volatile Organic Compound														
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 (k) Fluoranthene	610	1100	190000	21										
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120										
Chrysene	230	11000	190000	210										
Di-n-Butylphthalate	4100	10000	10000	62000										
Fluoranthene	3200	110000	190000	22000										
Naphthalene	25	56000	190000	20										
Phenanthrene	10000	190000	190000											
Pyrene	2200	84000	190000	17000										

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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	2DSA-SG11a 1.5 - 2 12/29/1999	2DSA-SG11b 16 - 16.5 12/29/1999	2DSA-SG17a 2 - 2.5 12/29/1999	2DSA-SG17b 14 - 14.5 12/29/1999	2DSA-SG18a 2 - 2.5 12/29/1999	2DSA-SG18b 14 - 14.5 12/29/1999	2DSA-SG32a 2 - 2.5 12/27/1999	2DSA-SG32b 18 - 18.5 12/27/1999	2DSA-SG45a 2 - 2.5 12/27/1999	2DSA-SG45b 23.5 - 24 12/27/1999
Toxicity Characteristic Leaching Procedure - Mercury														
Mercury	10	840	190000	24										
Toxicity Characteristic Leaching Procedure - Volatile Organic Compound														
1,1-Dichloroethene	0.7	33	38	1100										
1,2-Dichloroethane	0.5	63	73	2.2										
2-Butanone	580	10000	10000	190000										
Benzene	0.5	210	240	5.6										
Carbon Tetrachloride	0.5	110	120	1.3										
Chlorobenzene	10	10000	10000	1500										
Chloroform	10	17	19	1.5										
Tetrachloroethene	0.5	1500	3300	2.7										
Trichloroethene	0.5	970	1100	14										
Vinyl Chloride	0.2	53	220	1.7										
Total Solids														
Percent Solids														
Total Sulfide														
Total Sulfides														
Petroleum Hydrocarbons														
Petroleum Hydrocarbons (TPH)														
Vinyl Chloride														
Vinyl Chloride	0.2	53	220	1.7										
Volatile Organic Compound														
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
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
1,2-Dichloroethene	7	1900	2100	9200										
1,4-Dioxane	2.4	210	240	160	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
2-Butanone	580	10000	10000	190000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Acetone	1000	10000	10000	610000	0.0263	0.0221	0.0214	0.0196	0.0469	0.0312	0.0199	0.0164	0.0141	0.0183
Benzene	0.5	210	240	5.6	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Carbon Disulfide	410	10000	10000	3000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Chloroform	10	17	19	1.5	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
cis-1,2-Dichloroethene	7	1900	2100	10000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Methylene chloride	0.5	3500	4000	54	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Tetrachloroethene	0.5	1500	3300	2.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
Toluene	100	10000	10000	46000	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
trans-1,2-Dichloroethene	10	3700	4300	500										
Trichloroethene	0.5	970	1100	14	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	BLD2-SB01 5 - 5.5 9/15/1993	BLD2-SB01 9 - 9.5 9/15/1993	BLD2-SB01 12 - 12.5 9/15/1993	BLD2-SB02 5.5 - 6 9/15/1993	BLD2-SB02 8.5 - 9 9/15/1993	BLD2-SB02 25.5 - 26 9/15/1993	BLD2-SB03 2 - 3 9/16/1993	BLD2-SB03 7.5 - 8 9/16/1993	BLD2-SB03 9.5 - 10 9/16/1993	BLD2-SB04 2 - 2.5 9/16/1993	BLD2-SB04 8.5 - 9 9/16/1993
Cyanide															
Cyanide, Free	200	56000	190000	20000	0 U										
Cyanide, Total	200	56000	190000	20000	0 U										
Cyanide, Free															
Cyanide, Free	200	56000	190000	20000		0.5 U		0.2 U	0.2 U		0.2 U		0.2 U	0.2 U	0.2 U
Cyanide, Total															
Cyanide, Total	200	56000	190000	20000		0.02 U		0.04 U	0.02 U		0.26		0.04 U	0.02 U	0.02 U
Leachable Metals															
Arsenic	150	53	190000	1.6											
Barium	8200	190000	190000	190000											
Cadmium	38	210	190000	800											
Chromium				1400											
Lead	450	1000	190000	800											
Selenium	26	14000	190000	5100											
Silver	84	14000	190000	5100											
Mercury															
Mercury	10	840	190000	24											
Metal															
Antimony	27	1100	190000	410	0 U			15 U			15 U			15 U	
Arochlor-1254	280	44	10000	0.74											
Arsenic	150	53	190000	1.6	9.3			7			7.8		2.8	13	4.8
Barium	8200	190000	190000	190000											
Beryllium	320	5600	190000	2000	1			0.9 U			1.1 U			1.5	
Cadmium	38	210	190000	800	0 U			1.0 U			1.0 U		1.0 U	1.0 U	1.0 U
Chromium				1400	16			12			26		12	16	12
Copper	36000	100000	190000	41000	8			5			7		6	27	17
Lead	450	1000	190000	800	0 U			10 U			10 U		10 U	10 U	10 U
Mercury	10	840	190000	24	0 U	0.12 U		0.12 U	0.12 U		0.12 U		0.12 U	0.12 U	0.35
Nickel	650	56000	190000	20000	10			7			10		13	25	19
Selenium	26	14000	190000	5100	0 U			0.5 U			0.5 U			0.5 U	
Silver	84	14000	190000	5100	0 U			4.0 U			4.0 U			4.0 U	
Thallium	14	200	190000	66	0 U			20 U			20 U			20 U	
Vanadium	72000	20000	190000	7200											
Zinc	12000	190000	190000	310000	32			25			45		49	66	62
Polychlorinated Biphenols															
Arochlor-1260	1900	130	190000	0.74											
PCBs (Total)				0.74											
pH															
pH															
Semi Volatile Organic Compound															
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 (k) Fluoranthene	610	1100	190000	21											
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120											
Chrysene	230	11000	190000	210											
Di-n-Butylphthalate	4100	10000	10000	62000											
Fluoranthene	3200	110000	190000	22000											
Naphthalene	25	56000	190000	20											
Phenanthrene	10000	190000	190000												
Pyrene	2200	84000	190000	17000											

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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	BLD2-SB01 5 - 5.5 9/15/1993	BLD2-SB01 9 - 9.5 9/15/1993	BLD2-SB01 12 - 12.5 9/15/1993	BLD2-SB02 5.5 - 6 9/15/1993	BLD2-SB02 8.5 - 9 9/15/1993	BLD2-SB02 25.5 - 26 9/15/1993	BLD2-SB03 2 - 3 9/16/1993	BLD2-SB03 7.5 - 8 9/16/1993	BLD2-SB03 9.5 - 10 9/16/1993	BLD2-SB04 2 - 2.5 9/16/1993	BLD2-SB04 8.5 - 9 9/16/1993
Toxicity Characteristic Leaching Procedure - Mercury															
Mercury	10	840	190000	24											
Toxicity Characteristic Leaching Procedure - Volatile Organic Compound															
1,1-Dichloroethene	0.7	33	38	1100											
1,2-Dichloroethane	0.5	63	73	2.2											
2-Butanone	580	10000	10000	190000											
Benzene	0.5	210	240	5.6											
Carbon Tetrachloride	0.5	110	120	1.3											
Chlorobenzene	10	10000	10000	1500											
Chloroform	10	17	19	1.5											
Tetrachloroethene	0.5	1500	3300	2.7											
Trichloroethene	0.5	970	1100	14											
Vinyl Chloride	0.2	53	220	1.7											
Total Solids															
Percent Solids															
Total Sulfide															
Total Sulfides															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)					0.0044 U		0.0044 U	0.0044 U		0.0044 U	0.0044 U	0.1		0.0044 U	
Vinyl Chloride															
Vinyl Chloride	0.2	53	220	1.7											
Volatile Organic Compound															
1,1,1-Trichloroethane	20	10000	10000	39000	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U		0.005 U	
1,1-Dichloroethane	11	1000	1200	17											
1,2-Dichloroethene	7	1900	2100	9200	0 U		0 U								
1,4-Dioxane	2.4	210	240	160											
2-Butanone	580	10000	10000	190000											
Acetone	1000	10000	10000	610000	0.05 U		0.05 U	0.057		0.05 U	0.05 U	0.05 U		0.05 U	
Benzene	0.5	210	240	5.6											
Carbon Disulfide	410	10000	10000	3000											
Chloroform	10	17	19	1.5											
cis-1,2-Dichloroethene	7	1900	2100	10000											
Methylene chloride	0.5	3500	4000	54											
Tetrachloroethene	0.5	1500	3300	2.7	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U		0.005 U	
Toluene	100	10000	10000	46000											
trans-1,2-Dichloroethene	10	3700	4300	500	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U		0.005 U	
Trichloroethene	0.5	970	1100	14	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U		0.005	

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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	BLD2-SB04 15.5 - 16 9/16/1993	BLD2-SB05 2 - 3 9/17/1993	BLD2-SB05 8.5 - 9 9/17/1993	BLD2-SB05 25 - 25.5 9/17/1993	BLD2-SB06 2 - 3 9/17/1993	BLD2-SB06 8.5 - 9 9/17/1993	BLD2-SB07 2 - 3 9/17/1993	BLD2-SB07 9.5 - 10 9/17/1993	BLD2-SB07 25.5 - 26 9/17/1993	BLD2-SB08 2 - 3 9/20/1993	BLD2-SB08 10 - 10.5 9/20/1993
Cyanide															
Cyanide, Free	200	56000	190000	20000											
Cyanide, Total	200	56000	190000	20000											
Cyanide, Free															
Cyanide, Free	200	56000	190000	20000		0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U
Cyanide, Total															
Cyanide, Total	200	56000	190000	20000		0.02 U	0.02 U		0.02 U	0.52	0.15	0.02 U		0.02 U	0.02 U
Leachable Metals															
Arsenic	150	53	190000	1.6											
Barium	8200	190000	190000	190000											
Cadmium	38	210	190000	800											
Chromium				1400											
Lead	450	1000	190000	800											
Selenium	26	14000	190000	5100											
Silver	84	14000	190000	5100											
Mercury															
Mercury	10	840	190000	24											
Metal															
Antimony	27	1100	190000	410		15 U			15 U		15 U			15 U	
Arochlor-1254	280	44	10000	0.74											
Arsenic	150	53	190000	1.6		2.8			6.0 U		3.1	4.5		6.0 U	
Barium	8200	190000	190000	190000											
Beryllium	320	5600	190000	2000		0.8 U			0.6 U		0.6 U			0.6 U	
Cadmium	38	210	190000	800		1.0 U			1.0 U		1.0 U	1.0 U		1.0 U	
Chromium				1400		15			16		9	19		14	
Copper	36000	100000	190000	41000		2			3		1.0 U	16		5	
Lead	450	1000	190000	800		10 U			10 U		10 U	10 U		10 U	
Mercury	10	840	190000	24		0.12 U	0.12 U		0.12 U	0.12 U	0.12 U	0.12 U		0.33	0.18
Nickel	650	56000	190000	20000		5			6		5	14		6	
Selenium	26	14000	190000	5100		0.5 U			0.5 U		0.5 U			0.5 U	
Silver	84	14000	190000	5100		4.0 U			4.0 U		4.0 U			4.0 U	
Thallium	14	200	190000	66		20 U			20 U		20 U			20 U	
Vanadium	72000	20000	190000	7200											
Zinc	12000	190000	190000	310000		10			14		7	36		14	
Polychlorinated Biphenols															
Arochlor-1260	1900	130	190000	0.74											
PCBs (Total)				0.74											
pH															
pH															
Semi Volatile Organic Compound															
Benzo (A) Anthracene	320	110	190000	2.1		0.2 U			0.2						
Benzo (a) Pyrene	46	11	190000	0.21		0.2 U			0.2						
Benzo (b) Fluoranthene	170	110	190000	2.1		0.2 U			0.2 U						
Benzo (k) Fluoranthene	610	1100	190000	21		0.2 U			0.2 U						
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120		0.2			0.2 U						
Chrysene	230	11000	190000	210		0.2 U			0.2						
Di-n-Butylphthalate	4100	10000	10000	62000		0.2 U			0.2 U						
Fluoranthene	3200	110000	190000	22000		0.2 U			0.5						
Naphthalene	25	56000	190000	20		0.2 U			0.8						
Phenanthrene	10000	190000	190000			0.2 U			0.3						
Pyrene	2200	84000	190000	17000		0.2 U			0.4						

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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	BLD2-SB04 15.5 - 16 9/16/1993	BLD2-SB05 2 - 3 9/17/1993	BLD2-SB05 8.5 - 9 9/17/1993	BLD2-SB05 25 - 25.5 9/17/1993	BLD2-SB06 2 - 3 9/17/1993	BLD2-SB06 8.5 - 9 9/17/1993	BLD2-SB07 2 - 3 9/17/1993	BLD2-SB07 9.5 - 10 9/17/1993	BLD2-SB07 25.5 - 26 9/17/1993	BLD2-SB08 2 - 3 9/20/1993	BLD2-SB08 10 - 10.5 9/20/1993
Toxicity Characteristic Leaching Procedure - Mercury															
Mercury	10	840	190000	24											
Toxicity Characteristic Leaching Procedure - Volatile Organic Compound															
1,1-Dichloroethene	0.7	33	38	1100											
1,2-Dichloroethane	0.5	63	73	2.2											
2-Butanone	580	10000	10000	190000											
Benzene	0.5	210	240	5.6											
Carbon Tetrachloride	0.5	110	120	1.3											
Chlorobenzene	10	10000	10000	1500											
Chloroform	10	17	19	1.5											
Tetrachloroethene	0.5	1500	3300	2.7											
Trichloroethene	0.5	970	1100	14											
Vinyl Chloride	0.2	53	220	1.7											
Total Solids															
Percent Solids															
Total Sulfide															
Total Sulfides															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)					0.0044 U	0.0044 U		0.0044 U	0.031		0.0044 U	0.0044 U	0.0044 U	0.0044 U	
Vinyl Chloride															
Vinyl Chloride	0.2	53	220	1.7											
Volatile Organic Compound															
1,1,1-Trichloroethane	20	10000	10000	39000	0.005 U	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethane	11	1000	1200	17											
1,2-Dichloroethene	7	1900	2100	9200											
1,4-Dioxane	2.4	210	240	160											
2-Butanone	580	10000	10000	190000											
Acetone	1000	10000	10000	610000	0.05 U	0.05 U		0.05 U	0.057		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzene	0.5	210	240	5.6											
Carbon Disulfide	410	10000	10000	3000											
Chloroform	10	17	19	1.5											
cis-1,2-Dichloroethene	7	1900	2100	10000											
Methylene chloride	0.5	3500	4000	54											
Tetrachloroethene	0.5	1500	3300	2.7	0.005 U	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	100	10000	10000	46000											
trans-1,2-Dichloroethene	10	3700	4300	500	0.005 U	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.5	970	1100	14	0.005 U	0.005 U		0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	BLD2-SB09 2 - 3 9/21/1993	BLD2-SB09 2 - 3 9/17/1993	BLD2-SB09 7.5 - 9 9/21/1993	BLD2-SB09 15 - 16.5 9/21/1993	BLD2-SB10 1 - 2 11/24/1993	BLD2-SB10 Dup 1 - 2 11/24/1993	BLD2-SB10 5.5 - 6.5 11/24/1993	BLD2-SB10 Dup 5.5 - 6.5 11/24/1993	BLD2-SB10 6.5 - 8 9/22/1993	BLD2-SB10 9 - 10 9/22/1993	BLD2-SB10 20 - 21.5 9/22/1993
Cyanide															
Cyanide, Free	200	56000	190000	20000											
Cyanide, Total	200	56000	190000	20000											
Cyanide, Free															
Cyanide, Free	200	56000	190000	20000	0.5 U		0.5 U						0.5 U		
Cyanide, Total															
Cyanide, Total	200	56000	190000	20000	0.02 U		0.04 U		0.05 U				0.08		
Leachable Metals															
Arsenic	150	53	190000	1.6											
Barium	8200	190000	190000	190000											
Cadmium	38	210	190000	800											
Chromium				1400											
Lead	450	1000	190000	800											
Selenium	26	14000	190000	5100											
Silver	84	14000	190000	5100											
Mercury															
Mercury	10	840	190000	24											
Metal															
Antimony	27	1100	190000	410	15 U									15 U	
Arochlor-1254	280	44	10000	0.74											
Arsenic	150	53	190000	1.6	6.0 U		6.0 U		2.5	2.9			6.8	4.9	
Barium	8200	190000	190000	190000											
Beryllium	320	5600	190000	2000	0.9 U									1.0 U	
Cadmium	38	210	190000	800	1		1.0 U		2	2			1.0 U	1.0 U	
Chromium				1400	17		20		11	19			25	17	
Copper	36000	100000	190000	41000	8		10		10	11			10	8	
Lead	450	1000	190000	800	10 U		10 U		10 U	10 U			10 U	10 U	
Mercury	10	840	190000	24	0.18		0.12 U		0.12 U	0.12 U			0.12 U	0.12 U	
Nickel	650	56000	190000	20000	9.3		10		6	7			12	7	
Selenium	26	14000	190000	5100	0.5 U									0.5 U	
Silver	84	14000	190000	5100	4.0 U									4.0 U	
Thallium	14	200	190000	66	20 U									20 U	
Vanadium	72000	20000	190000	7200											
Zinc	12000	190000	190000	310000	24		92		23	22			38	25	
Polychlorinated Biphenols															
Arochlor-1260	1900	130	190000	0.74											
PCBs (Total)				0.74											
pH															
pH															
Semi Volatile Organic Compound															
Benzo (A) Anthracene	320	110	190000	2.1		0.2 U									
Benzo (a) Pyrene	46	11	190000	0.21		0.2 U									
Benzo (b) Fluoranthene	170	110	190000	2.1		0.2 U									
Benzo (k) Fluoranthene	610	1100	190000	21		0.2 U									
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120		0.2 U									
Chrysene	230	11000	190000	210		0.2 U									
Di-n-Butylphthalate	4100	10000	10000	62000		0.8									
Fluoranthene	3200	110000	190000	22000		0.2 U									
Naphthalene	25	56000	190000	20		0.2 U									
Phenanthrene	10000	190000	190000			0.2 U									
Pyrene	2200	84000	190000	17000		0.2 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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	BLD2-SB09 2 - 3 9/21/1993	BLD2-SB09 2 - 3 9/17/1993	BLD2-SB09 7.5 - 9 9/21/1993	BLD2-SB09 15 - 16.5 9/21/1993	BLD2-SB10 1 - 2 11/24/1993	BLD2-SB10 Dup 1 - 2 11/24/1993	BLD2-SB10 5.5 - 6.5 11/24/1993	BLD2-SB10 Dup 5.5 - 6.5 11/24/1993	BLD2-SB10 6.5 - 8 9/22/1993	BLD2-SB10 9 - 10 9/22/1993	BLD2-SB10 20 - 21.5 9/22/1993
Toxicity Characteristic Leaching Procedure - Mercury															
Mercury	10	840	190000	24											
Toxicity Characteristic Leaching Procedure - Volatile Organic Compound															
1,1-Dichloroethene	0.7	33	38	1100											
1,2-Dichloroethane	0.5	63	73	2.2											
2-Butanone	580	10000	10000	190000											
Benzene	0.5	210	240	5.6											
Carbon Tetrachloride	0.5	110	120	1.3											
Chlorobenzene	10	10000	10000	1500											
Chloroform	10	17	19	1.5											
Tetrachloroethene	0.5	1500	3300	2.7											
Trichloroethene	0.5	970	1100	14											
Vinyl Chloride	0.2	53	220	1.7											
Total Solids															
Percent Solids															
Total Sulfide															
Total Sulfides															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)					0.0044 U			0.11			0.015	0.0053 U			0.0044 U
Vinyl Chloride															
Vinyl Chloride	0.2	53	220	1.7											
Volatile Organic Compound															
1,1,1-Trichloroethane	20	10000	10000	39000	0.005 U			0.005 U			0.005 U	0.005 U			0.005 U
1,1-Dichloroethane	11	1000	1200	17											
1,2-Dichloroethene	7	1900	2100	9200											
1,4-Dioxane	2.4	210	240	160											
2-Butanone	580	10000	10000	190000											
Acetone	1000	10000	10000	610000	0.05 U			0.05 U			0.05 U	0.05 U			0.05 U
Benzene	0.5	210	240	5.6											
Carbon Disulfide	410	10000	10000	3000											
Chloroform	10	17	19	1.5											
cis-1,2-Dichloroethene	7	1900	2100	10000											
Methylene chloride	0.5	3500	4000	54											
Tetrachloroethene	0.5	1500	3300	2.7	0.005 U			0.005 U			0.005 U	0.005 U			0.005 U
Toluene	100	10000	10000	46000											
trans-1,2-Dichloroethene	10	3700	4300	500	0.005 U			0.005 U			0.005 U	0.005 U			0.005 U
Trichloroethene	0.5	970	1100	14	0.005 U			0.005 U			0.005 U	0.005 U			0.005 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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	BLD2-SB11 2 - 3 9/23/1993	BLD2-SB11 9 - 10.5 9/23/1993	BLD2-SB12 1.5 - 2 10/1/1993	BLD2-SB12 3 - 4.5 9/23/1993	BLD2-SB12 15 - 16.5 9/23/1993	BLD2-SB13 2 - 3 9/24/1993	BLD2-SB13 6 - 7.5 9/24/1993	BLD2-SB13 9.5 - 11 9/24/1993	BLD2-SB14 2 - 3 9/27/1993	BLD2-SB14 9 - 10.5 9/27/1993	BLD2-SB14 20 - 21.5 9/27/1993
Cyanide															
Cyanide, Free	200	56000	190000	20000											
Cyanide, Total	200	56000	190000	20000											
Cyanide, Free															
Cyanide, Free	200	56000	190000	20000	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	
Cyanide, Total															
Cyanide, Total	200	56000	190000	20000	0.5 U	0.02 U	0.17		0.5 U	0.02 U		0.02 U	0.02	0.08	
Leachable Metals															
Arsenic	150	53	190000	1.6											
Barium	8200	190000	190000	190000											
Cadmium	38	210	190000	800											
Chromium				1400											
Lead	450	1000	190000	800											
Selenium	26	14000	190000	5100											
Silver	84	14000	190000	5100											
Mercury															
Mercury	10	840	190000	24											
Metal															
Antimony	27	1100	190000	410	15 U		15 U		15 U	15 U			15 U		
Arochlor-1254	280	44	10000	0.74											
Arsenic	150	53	190000	1.6	5.6	4	0.60 U		2.3	5		2.1	11	5.5	
Barium	8200	190000	190000	190000											
Beryllium	320	5600	190000	2000	0.5 U		1.0 U		0.5 U	1.5 U			1.0 U		
Cadmium	38	210	190000	800	1.0 U	1.0 U	1.0 U		1.0 U	1.5		1.0 U	1.0 U	1.0 U	
Chromium				1400	17	17	2.0 U		10	24		7	27	29	
Copper	36000	100000	190000	41000	10	7	1.0 U		9	8		4	10	7	
Lead	450	1000	190000	800	10 U	10 U	10 U		10 U	15		10 U	19	13	
Mercury	10	840	190000	24	0.12 U	0.12 U	1.2 U		0.12 U	0.12 U		0.12 U	0.15	0.12 U	
Nickel	650	56000	190000	20000	7	5	4.0 U		6	9		4	14	13	
Selenium	26	14000	190000	5100	0.5 U		0.5 U		0.5 U	0.5 U			5.0 U		
Silver	84	14000	190000	5100	4.0 U		4.0 U		4.0 U	4.0 U			4.0 U	0.04 U	
Thallium	14	200	190000	66	20 U		20 U		20 U	20 U			20 U		
Vanadium	72000	20000	190000	7200											
Zinc	12000	190000	190000	310000	66	12	1.0 U		33	15		4	29	26	
Polychlorinated Biphenols															
Arochlor-1260	1900	130	190000	0.74											
PCBs (Total)				0.74											
pH															
pH															
Semi Volatile Organic Compound															
Benzo (A) Anthracene	320	110	190000	2.1	0.2 U			0.8							
Benzo (a) Pyrene	46	11	190000	0.21	0.2 U			1.2							
Benzo (b) Fluoranthene	170	110	190000	2.1	0.2 U			1.4							
Benzo (k) Fluoranthene	610	1100	190000	21	0.2 U			1.4							
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120	0.2 U			0.8 U							
Chrysene	230	11000	190000	210	0.2 U			1.2							
Di-n-Butylphthalate	4100	10000	10000	62000	1.1			0.8 U							
Fluoranthene	3200	110000	190000	22000	0.2 U			1.6							
Naphthalene	25	56000	190000	20	0.2 U			0.8 U							
Phenanthrene	10000	190000	190000		0.2 U			0.8 U							
Pyrene	2200	84000	190000	17000	0.2 U			1.8							

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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	BLD2-SB11 2 - 3 9/23/1993	BLD2-SB11 9 - 10.5 9/23/1993	BLD2-SB12 1.5 - 2 10/1/1993	BLD2-SB12 3 - 4.5 9/23/1993	BLD2-SB12 15 - 16.5 9/23/1993	BLD2-SB13 2 - 3 9/24/1993	BLD2-SB13 6 - 7.5 9/24/1993	BLD2-SB13 9.5 - 11 9/24/1993	BLD2-SB14 2 - 3 9/27/1993	BLD2-SB14 9 - 10.5 9/27/1993	BLD2-SB14 20 - 21.5 9/27/1993
Toxicity Characteristic Leaching Procedure - Mercury															
Mercury	10	840	190000	24											
Toxicity Characteristic Leaching Procedure - Volatile Organic Compound															
1,1-Dichloroethene	0.7	33	38	1100											
1,2-Dichloroethane	0.5	63	73	2.2											
2-Butanone	580	10000	10000	190000											
Benzene	0.5	210	240	5.6											
Carbon Tetrachloride	0.5	110	120	1.3											
Chlorobenzene	10	10000	10000	1500											
Chloroform	10	17	19	1.5											
Tetrachloroethene	0.5	1500	3300	2.7											
Trichloroethene	0.5	970	1100	14											
Vinyl Chloride	0.2	53	220	1.7											
Total Solids															
Percent Solids															
Total Sulfide															
Total Sulfides															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)					0.044	0.065		0.062	0.0044 U	0.0044 U	0.067	0.097	0.0044 U		0.0044 U
Vinyl Chloride															
Vinyl Chloride	0.2	53	220	1.7											
Volatile Organic Compound															
1,1,1-Trichloroethane	20	10000	10000	39000	0.005 U	0.005 U		0.018	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U
1,1-Dichloroethane	11	1000	1200	17											
1,2-Dichloroethene	7	1900	2100	9200											
1,4-Dioxane	2.4	210	240	160											
2-Butanone	580	10000	10000	190000											
Acetone	1000	10000	10000	610000	0.05 U	0.05 U		0.05 U	0.05 U	0.064	0.05 U	0.05 U	0.05 U		0.05 U
Benzene	0.5	210	240	5.6											
Carbon Disulfide	410	10000	10000	3000											
Chloroform	10	17	19	1.5											
cis-1,2-Dichloroethene	7	1900	2100	10000											
Methylene chloride	0.5	3500	4000	54											
Tetrachloroethene	0.5	1500	3300	2.7	0.005 U	0.005 U		0.028	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U
Toluene	100	10000	10000	46000											
trans-1,2-Dichloroethene	10	3700	4300	500	0.005 U	0.005 U		0.01	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U
Trichloroethene	0.5	970	1100	14	0.005 U	0.005 U		0.23	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	BLD2-SB15 2 - 3 9/28/1993	BLD2-SB15 2 - 3 9/27/1993	BLD2-SB15 3 - 3.5 9/28/1993	BLD2-SB15 10 - 11 9/28/1993	BLD2-SB15 15 - 16.5 9/28/1993	BLD2-SB16 2 - 3 9/28/1993	BLD2-SB16 25 - 26.5 9/28/1993	BLD2-SB17 2 - 3 9/29/1993	BLD2-SB17 12 - 14 9/29/1993	BLD2-SB17 14 - 16 9/29/1993	*BLD2-SB18 1 - 1.5 10/1/1993
Cyanide															
Cyanide, Free	200	56000	190000	20000											
Cyanide, Total	200	56000	190000	20000											
Cyanide, Free															
Cyanide, Free	200	56000	190000	20000		0.5 U		0.5 U		0.5 U		0.5 U	0.5 U		
Cyanide, Total															
Cyanide, Total	200	56000	190000	20000		0.02 U		0.02		0.02 U		0.072	0.02 U		
Leachable Metals															
Arsenic	150	53	190000	1.6											
Barium	8200	190000	190000	190000											
Cadmium	38	210	190000	800											
Chromium				1400											
Lead	450	1000	190000	800											
Selenium	26	14000	190000	5100											
Silver	84	14000	190000	5100											
Mercury															
Mercury	10	840	190000	24											
Metal															
Antimony	27	1100	190000	410		15 U	0 U	15 U		15 U		15 U			
Arochlor-1254	280	44	10000	0.74											
Arsenic	150	53	190000	1.6		2.4	2.4	2.5		7		4.6	3.0 U		
Barium	8200	190000	190000	190000											
Beryllium	320	5600	190000	2000		1.5 U	0 U	1.0 U		1.0 U		1.5 U			
Cadmium	38	210	190000	800		1.0 U	0 U	1.0 U		1.0 U		1.0 U	1.0 U		
Chromium				1400		2.0 U	0 U	14		26		48	14		
Copper	36000	100000	190000	41000		5	5	6		8		6	13		
Lead	450	1000	190000	800		10 U	0 U	10 U		10 U		18	19		
Mercury	10	840	190000	24		0.12 U	0 U	0.12 U		0.12		0.12 U	0.12 U		
Nickel	650	56000	190000	20000		4.0 U	0 U	5		10		12	14		
Selenium	26	14000	190000	5100		0.5 U	0 U	0.5 U		2.5 U		0.5 U			
Silver	84	14000	190000	5100		4.0 U	0 U	4.0 U		4.0 U		4.0 U			
Thallium	14	200	190000	66		20 U	0 U	20 U		20 U		20 U			
Vanadium	72000	20000	190000	7200											
Zinc	12000	190000	190000	310000		1.0 U	0 U	26		31		18	32		
Polychlorinated Biphenols															
Arochlor-1260	1900	130	190000	0.74											240
PCBs (Total)				0.74			0 U								
pH															
pH															
Semi Volatile Organic Compound															
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 (k) Fluoranthene	610	1100	190000	21											
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120											
Chrysene	230	11000	190000	210											
Di-n-Butylphthalate	4100	10000	10000	62000											
Fluoranthene	3200	110000	190000	22000											
Naphthalene	25	56000	190000	20											
Phenanthrene	10000	190000	190000												
Pyrene	2200	84000	190000	17000											

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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	BLD2-SB15 2 - 3 9/28/1993	BLD2-SB15 2 - 3 9/27/1993	BLD2-SB15 3 - 3.5 9/28/1993	BLD2-SB15 10 - 11 9/28/1993	BLD2-SB15 15 - 16.5 9/28/1993	BLD2-SB16 2 - 3 9/28/1993	BLD2-SB16 25 - 26.5 9/28/1993	BLD2-SB17 2 - 3 9/29/1993	BLD2-SB17 12 - 14 9/29/1993	BLD2-SB17 14 - 16 9/29/1993	*BLD2-SB18 1 - 1.5 10/1/1993
Toxicity Characteristic Leaching Procedure - Mercury															
Mercury	10	840	190000	24											
Toxicity Characteristic Leaching Procedure - Volatile Organic Compound															
1,1-Dichloroethene	0.7	33	38	1100											
1,2-Dichloroethane	0.5	63	73	2.2											
2-Butanone	580	10000	10000	190000											
Benzene	0.5	210	240	5.6											
Carbon Tetrachloride	0.5	110	120	1.3											
Chlorobenzene	10	10000	10000	1500											
Chloroform	10	17	19	1.5											
Tetrachloroethene	0.5	1500	3300	2.7											
Trichloroethene	0.5	970	1100	14											
Vinyl Chloride	0.2	53	220	1.7											
Total Solids															
Percent Solids															
Total Sulfide															
Total Sulfides															
Petroleum Hydrocarbons															
Petroleum Hydrocarbons (TPH)					0.057		57	0.0044 U	0.0044 U	0.033	0.0044 U	0.0044 U		0.0044 U	0.059
Vinyl Chloride															
Vinyl Chloride	0.2	53	220	1.7											
Volatile Organic Compound															
1,1,1-Trichloroethane	20	10000	10000	39000	0.005 U		0 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U	
1,1-Dichloroethane	11	1000	1200	17											
1,2-Dichloroethene	7	1900	2100	9200			0 U								
1,4-Dioxane	2.4	210	240	160											
2-Butanone	580	10000	10000	190000											
Acetone	1000	10000	10000	610000	0.05 U		0 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U	
Benzene	0.5	210	240	5.6											
Carbon Disulfide	410	10000	10000	3000											
Chloroform	10	17	19	1.5											
cis-1,2-Dichloroethene	7	1900	2100	10000											
Methylene chloride	0.5	3500	4000	54											
Tetrachloroethene	0.5	1500	3300	2.7	0.005 U		0 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U	
Toluene	100	10000	10000	46000											
trans-1,2-Dichloroethene	10	3700	4300	500	0.005 U			0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U	
Trichloroethene	0.5	970	1100	14	0.005 U		0 U	0.005 U	0.027	0.005 U	0.005 U	0.005 U		0.008	

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 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	*BLD2-SB18 4 - 4.5 10/1/1993	BLD2-SB19 1 - 1.5 10/1/1993	Bldg 58 Trench 0.5 9/24/2001	MW-115 117 - 118 10/23/2007
Cyanide								
Cyanide, Free	200	56000	190000	20000				
Cyanide, Total	200	56000	190000	20000				
Cyanide, Free								
Cyanide, Free	200	56000	190000	20000				
Cyanide, Total								
Cyanide, Total	200	56000	190000	20000				0.85 U
Leachable Metals								
Arsenic	150	53	190000	1.6				0.2 mg/l B
Barium	8200	190000	190000	190000				0.39 mg/l B
Cadmium	38	210	190000	800				0.1 mg/l U
Chromium				1400				0.5 mg/l U
Lead	450	1000	190000	800				0.5 mg/l U
Selenium	26	14000	190000	5100				0.019 mg/l B
Silver	84	14000	190000	5100				0.5 mg/l U
Mercury								
Mercury	10	840	190000	24			U	0.077
Metal								
Antimony	27	1100	190000	410			U	1.1 B J
Arochlor-1254	280	44	10000	0.74			U	
Arsenic	150	53	190000	1.6				5.3
Barium	8200	190000	190000	190000				51.4
Beryllium	320	5600	190000	2000			U	1.8
Cadmium	38	210	190000	800			U	0.36 B
Chromium				1400			4.3	10.6 J
Copper	36000	100000	190000	41000			7.5	12.9 J
Lead	450	1000	190000	800			5.7	18.4 J
Mercury	10	840	190000	24				
Nickel	650	56000	190000	20000			5.4	22.7
Selenium	26	14000	190000	5100			U	1.4
Silver	84	14000	190000	5100			U	0.85 U
Thallium	14	200	190000	66			U	1.1 B
Vanadium	72000	20000	190000	7200				17.1
Zinc	12000	190000	190000	310000			27	57 J
Polychlorinated Biphenols								
Arochlor-1260	1900	130	190000	0.74	4.2	118		
PCBs (Total)				0.74				
pH								
pH								7.3 SU
Semi Volatile Organic Compound								
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 (k) Fluoranthene	610	1100	190000	21				
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120				
Chrysene	230	11000	190000	210				
Di-n-Butylphthalate	4100	10000	10000	62000				
Fluoranthene	3200	110000	190000	22000				
Naphthalene	25	56000	190000	20				
Phenanthrene	10000	190000	190000					
Pyrene	2200	84000	190000	17000				

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Table 3.25-1
Soils Data Summary - Building 2 Drum Storage Area (BD2DSA)
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)	*BLD2-SB18 4 - 4.5 10/1/1993	BLD2-SB19 1 - 1.5 10/1/1993	Bldg 58 Trench 0.5 9/24/2001	MW-115 117 - 118 10/23/2007
Toxicity Characteristic Leaching Procedure - Mercury								
Mercury	10	840	190000	24				0.0002 mg/l U
Toxicity Characteristic Leaching Procedure - Volatile Organic Compound								
1,1-Dichloroethene	0.7	33	38	1100				0.2 mg/l U
1,2-Dichloroethane	0.5	63	73	2.2				0.2 mg/l U
2-Butanone	580	10000	10000	190000				0.2 mg/l U
Benzene	0.5	210	240	5.6				0.2 mg/l U
Carbon Tetrachloride	0.5	110	120	1.3				0.2 mg/l U
Chlorobenzene	10	10000	10000	1500				0.2 mg/l U
Chloroform	10	17	19	1.5				0.2 mg/l U
Tetrachloroethene	0.5	1500	3300	2.7				0.2 mg/l U
Trichloroethene	0.5	970	1100	14				0.2 mg/l U
Vinyl Chloride	0.2	53	220	1.7				0.2 mg/l U
Total Solids								
Percent Solids								59.20%
Total Sulfide								
Total Sulfides								50.7 U
Petroleum Hydrocarbons								
Petroleum Hydrocarbons (TPH)					0.008 U	0.23	2300	
Vinyl Chloride								
Vinyl Chloride	0.2	53	220	1.7			U	
Volatile Organic Compound								
1,1,1-Trichloroethane	20	10000	10000	39000				
1,1-Dichloroethane	11	1000	1200	17				
1,2-Dichloroethene	7	1900	2100	9200				
1,4-Dioxane	2.4	210	240	160				
2-Butanone	580	10000	10000	190000				
Acetone	1000	10000	10000	610000				
Benzene	0.5	210	240	5.6				
Carbon Disulfide	410	10000	10000	3000				
Chloroform	10	17	19	1.5				
cis-1,2-Dichloroethene	7	1900	2100	10000				
Methylene chloride	0.5	3500	4000	54				
Tetrachloroethene	0.5	1500	3300	2.7				
Toluene	100	10000	10000	46000				
trans-1,2-Dichloroethene	10	3700	4300	500				
Trichloroethene	0.5	970	1100	14				

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