

**Table 1**  
**Screening of Constituents in Surface Soil - East Campus**  
**Former York Naval Ordnance Plant, York, PA**

Analyte	MSC Screening Level mg/kg	Maximum Detected mg/kg	Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
1,1,1,2-Tetrachloroethane	18	ND	NA	NA	No	NA	
1,1,1-Trichloroethane	20	50.9	NTT-SG25a	12/21/1999	Yes	3800	No
1,1,2,2-Tetrachloroethane	0.43	ND	NA	NA	No	NA	
1,1,2-Trichloroethane	0.5	ND	NA	NA	No	NA	
1,1-Dichloroethane	16	1.16	NETT-11	3/30/1987	No	NA	
1,1-Dichloroethene	0.7	0.05	NETT-10	3/30/1987	No	NA	
1,2,4-Trichlorobenzene	27	ND	NA	NA	No	NA	
1,2-Dibromo-3-Chloropropane	0.02	ND	NA	NA	No	NA	
1,2-Dibromoethane	0.005	ND	NA	NA	No	NA	
1,2-Dichlorobenzene	60	ND	NA	NA	No	NA	
1,2-Dichloroethane	0.5	ND	NA	NA	No	NA	
1,2-Dichloroethene	7	ND	NA	NA	No	NA	
1,2-Dichloropropane	0.5	ND	NA	NA	No	NA	
1,3-Dichlorobenzene	61	ND	NA	NA	No	NA	
1,3-Dichloropropene	2.6	ND	NA	NA	No	NA	
1,4-Dichlorobenzene	10	ND	NA	NA	No	NA	
1,4-Dioxane	3.2	ND	NA	NA	No	NA	
2,4,5-Trichlorophenol	6100	ND	NA	NA	No	NA	
2,4,6-Trichlorophenol	29	ND	NA	NA	No	NA	
2,4-Dichlorophenol	2	ND	NA	NA	No	NA	
2,4-Dimethylphenol	200	ND	NA	NA	No	NA	
2,4-Dinitrophenol	20	ND	NA	NA	No	NA	
2,4-Dinitrotoluene	0.84	ND	NA	NA	No	NA	
2,6-Dinitrotoluene	10	ND	NA	NA	No	NA	
2-Butanone	400	0.0365	HD Fire Pond A4 (0-1) Dup	6/16/2003	No	NA	
2-Chloroethyl Vinyl Ether	NA	ND	NA	NA	No	NA	
2-Chloronaphthalene	18000	ND	NA	NA	No	NA	
2-Chlorophenol	4.4	ND	NA	NA	No	NA	
2-Hexanone	4.4	ND	NA	NA	No	NA	
2-Methylnaphthalene	1600	0.058	HD-FCSA-SB-001-02-0	5/9/2007	No	NA	
2-Methylphenol	510	ND	NA	NA	No	NA	
2-Nitroaniline	31	ND	NA	NA	No	NA	
2-Nitrophenol	82	ND	NA	NA	No	NA	
3,3'-Dichlorobenzidine	32	ND	NA	NA	No	NA	
3/4-Methylphenol	51	88	PSWS-1	3/22/2000	Yes	310	No
3-Nitroaniline	3.1	ND	NA	NA	No	NA	
4,4'-DDD	120	ND	NA	NA	No	NA	
4,4'-DDE	170	ND	NA	NA	No	NA	
4,4'-DDT	230	ND	NA	NA	No	NA	
4,6-Dinitro-2-Methylphenol	1	ND	NA	NA	No	NA	
4-Bromophenyl phenyl ether	NA	ND	NA	NA	No	NA	
4-Chloro-3-Methyl-Phenol	110	ND	NA	NA	No	NA	
4-Chloroaniline	1.6	ND	NA	NA	No	NA	
4-Chlorodiphenyl Ether	NA	ND	NA	NA	No	NA	
4-Methyl-2-Pentanone	820	ND	NA	NA	No	NA	
4-Nitroaniline	13	ND	NA	NA	No	NA	
4-Nitrophenol	6	ND	NA	NA	No	NA	
Acenaphthene	4700	ND	NA	NA	No	NA	
Acenaphthylene	6900	ND	NA	NA	No	NA	
Acetone	9200	0.196	Fire Pond 1 (0-1)	6/13/2003	No	NA	
Acrolein	0.018	ND	NA	NA	No	NA	
Acrylonitrile	0.37	ND	NA	NA	No	NA	

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Analyte	MSC Screening Level mg/kg	Maximum Detected mg/kg	Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
Aldrin	1.8	ND	NA	NA	No	NA	
Alpha-BHC	0.19	ND	NA	NA	No	NA	
Alpha-Endosulfan	260	ND	NA	NA	No	NA	
Aluminum	190000	21900	BG-12	6/3/1998	No	NA	
Anthracene	350	ND	NA	NA	No	NA	
Antimony	27	3	HD Fire Pond A4 (0-1)	6/16/2003	No	NA	
Aroclor-1016	200	ND	NA	NA	No	NA	
Aroclor-1221	0.63	ND	NA	NA	No	NA	
Aroclor-1232	0.5	ND	NA	NA	No	NA	
Aroclor-1242	16	ND	NA	NA	No	NA	
Aroclor-1248	40	ND	NA	NA	No	NA	
Aroclor-1254	40	5.5	SETT 10-1-01	10/1/2001	No	NA	
Aroclor-1260	40	0.0752	WP-SG7a	12/22/1999	No	NA	
Arsenic	29	18.1	PSWS-2	6/8/1998	No	NA	
Barium	8200	162	BG-11	6/3/1998	No	NA	
Benzene	0.5	0.018	SE Corner 11-15-01	11/15/2001	No	NA	
Benzo(a)anthracene	110	0.022	HD-B51-TP-2A-1.5/2-0	1/8/2009	No	NA	
Benzo(a)pyrene	11	ND	NA	NA	No	NA	
Benzo(b)fluoranthene	110	ND	NA	NA	No	NA	
Benzo(g,h,i)perylene	180	ND	NA	NA	No	NA	
Benzo(k)fluoranthene	610	ND	NA	NA	No	NA	
Beryllium	320	2.3	PSWS-2	6/8/1998	No	NA	
Beta-BHC	0.82	ND	NA	NA	No	NA	
Beta-Endosulfan	260	ND	NA	NA	No	NA	
Bis(2-Chloroethoxy) Methane	31	ND	NA	NA	No	NA	
Bis(2-Chloroethyl) Ether	0.076	ND	NA	NA	No	NA	
Bis(2-Chloroisopropyl) Ether	30	ND	NA	NA	No	NA	
Bis(2-ethylhexyl) phthalate	130	ND	NA	NA	No	NA	
Bromochloromethane	9	ND	NA	NA	No	NA	
Bromodichloromethane	8	ND	NA	NA	No	NA	
Bromoform	8	ND	NA	NA	No	NA	
Bromomethane	1	ND	NA	NA	No	NA	
Butylbenzylphthalate	10000	0.03	HD-B51-TP-2G-1.5/2-0	1/8/2009	No	NA	
Cadmium	38	5.3	PSWS-2	6/8/1998	No	NA	
Calcium*	NA	26400	PSWS-2	6/8/1998	No	NA	
Carbazole	83	ND	NA	NA	No	NA	
Carbon Disulfide	620	0.0156	HD Fire Pond A3 (0-1)	6/16/2003	No	NA	
Carbon Tetrachloride	0.5	ND	NA	NA	No	NA	
Chlordane	49	ND	NA	NA	No	NA	
Chlorobenzene	10	ND	NA	NA	No	NA	
Chlorodibromomethane	8	ND	NA	NA	No	NA	
Chloroethane	90	0.44	NETT-11	3/30/1987	No	NA	
Chloroform	8	0.0002	HD Fire Pond B4 (0-1)	6/16/2003	No	NA	
Chloromethane	3	ND	NA	NA	No	NA	
Chromium	190	139	HD-ELF-QC-DUP5-02-1	4/26/2007	No	NA	
Chrysene	230	ND	NA	NA	No	NA	
cis-1,2-Dichloroethene	7	0.53	HD-NETT-SB-042-02-0	4/4/2007	No	NA	
cis-1,3-Dichloropropene	2.6	ND	NA	NA	No	NA	
Cobalt	140	19.5	BG-12	6/3/1998	No	NA	
Copper	43000	173	HD-ELF-QC-DUP5-02-1	4/26/2007	No	NA	
Cyanide, Free	200	2.8	HD-NETT-SB-002-02-0	4/6/2007	No	NA	
Cyanide, Total	200	23	HD-NETT-SB-047-02-0	4/4/2007	No	NA	
Delta-BHC	NA	ND	NA	NA	No	NA	

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Dibenzo(a,h)anthracene	11	ND	NA	NA	No	NA	
Dibenzofuran	260	0.015	HD-FCSA-SB-001-02-0	5/9/2007	No	NA	
Dieldrin	0.44	ND	NA	NA	No	NA	
Diethylphthalate	8200	ND	NA	NA	No	NA	
Dimethylphthalate	NA	ND	NA	NA	No	NA	
Di-n-Butylphthalate	4100	ND	NA	NA	No	NA	
Di-n-octylphthalate	10000	0.498	NTT-SG25a	12/21/1999	No	NA	
Endosulfan Sulfate	70	ND	NA	NA	No	NA	
Endrin	5.5	ND	NA	NA	No	NA	
Endrin Aldehyde	NA	ND	NA	NA	No	NA	
Ethylbenzene	70	0.8	NETT-7	3/30/1987	No	NA	
Fluoranthene	3200	0.028	HD-B51-TP-2A-1.5/2-0	1/8/2009	No	NA	
Fluorene	3800	ND	NA	NA	No	NA	
Heptachlor	0.68	ND	NA	NA	No	NA	
Heptachlor Epoxide	1.1	ND	NA	NA	No	NA	
Hexachlorobenzene	0.96	ND	NA	NA	No	NA	
Hexachlorobutadiene	39	ND	NA	NA	No	NA	
Hexachlorocyclopentadiene	91	ND	NA	NA	No	NA	
Hexachloroethane	0.56	ND	NA	NA	No	NA	
Hexavalent Chromium	190	1.59	NTT-SG12a	12/16/1999	No	NA	
Indeno(1,2,3-cd)pyrene	110	ND	NA	NA	No	NA	
Iron	190000	90200	PSWS-2	6/8/1998	No	NA	
Isophorone	10	ND	NA	NA	No	NA	
Lead	450	218	BG-12	6/3/1998	No	NA	
Lindane (Gamma-BHC)	0.072	ND	NA	NA	No	NA	
m,p-Xylene	1000	0.0017	HD Fire Pond A3 (0-1)	6/16/2003	No	NA	
Magnesium*	NA	10100	PSWS-2	6/8/1998	No	NA	
Manganese	2000	1600	PSWS-2	6/8/1998	No	NA	
Mercury	10	1.7	OWCA-SP-1	4/27/1995	No	NA	
Methyl tert-butyl ether	2	ND	NA	NA	No	NA	
Methylene chloride	0.5	0.024	HD-NETT-SB-013-02-0	4/19/2007	No	NA	
Naphthalene	25	0.034	HD-FCSA-SB-001-02-0	5/9/2007	No	NA	
Nickel	650	112	WP-SG7a	12/22/1999	No	NA	
Nitrobenzene	20	ND	NA	NA	No	NA	
N-Nitrosodi-n-propylamine	0.037	ND	NA	NA	No	NA	
N-Nitrosodiphenylamine	83	ND	NA	NA	No	NA	
o-Xylene	1000	0.0054	HD Fire Pond B2 (0-1)	6/16/2003	No	NA	
Pentachlorophenol	5	ND	NA	NA	No	NA	
Phenanthrene	10000	0.036	HD-B51-TP-2A-1.5/2-0	1/8/2009	No	NA	
Phenol	200	ND	NA	NA	No	NA	
Potassium*	NA	3650	PSWS-2	6/8/1998	No	NA	
Pyrene	2200	0.032	HD-B51-TP-2A-1.5/2-0	1/8/2009	No	NA	
Selenium	26	19	SE Corner 11-15-01	11/15/2001	No	NA	
Silver	84	0.5	HD Fire Pond B4 and A2	6/16/2003	No	NA	
Sodium*	NA	310	PSWS-1-B	6/8/1998	No	NA	
Styrene	24	0.018	HD-NETT-SB-043-02-0	4/4/2007	No	NA	
<b>Tetrachloroethene</b>	<b>0.5</b>	<b>403</b>	<b>NTT-SG25a</b>	<b>12/21/1999</b>	<b>Yes</b>	<b>2.6</b>	<b>YES - COC</b>
Thallium	14	0.56	HD-ELF-SB-002-02-0	4/25/2007	No	NA	
Toluene	100	0.2	NETT-9	1/1/1987	No	NA	
Toxaphene	1.2	ND	NA	NA	No	NA	
trans-1,2-Dichloroethene	10	4.4	NETT-10	3/30/1987	No	NA	
trans-1,3-Dichloropropene	2.6	ND	NA	NA	No	NA	
Trichloroethene	0.5	0.8	NETT-8	3/30/1987	Yes	6.4	No
Trichlorofluoromethane	200	ND	NA	NA	No	NA	
Vanadium	20000	36.8	BG-12	6/3/1998	No	NA	
Vinyl Chloride	0.2	1.5	NETT-10	3/30/1987	Yes	1.7	No
Xylenes (Total)	1000	2.7	HD-NETT-SB-042-02-0	4/4/2007	No	NA	
Zinc	12000	606	PSWS-2	6/8/1998	No	NA	

NA - Not Applicable  
ND - Not Detected  
\* Essential Nutrient

**Table 2**  
**Screening of Constituents in Surface and Subsurface Soil - East Campus**  
**Former York Naval Ordnance Plant, York, PA**

Analyte	MSC Screening Level mg/kg	Maximum Detected mg/kg	Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
1,1,1,2-Tetrachloroethane	18	ND	NA	NA	No	NA	
1,1,1-Trichloroethane	20	50.9	NTT-SG25a	12/21/1999	Yes	3800	No
1,1,2,2-Tetrachloroethane	0.43	0.26	NPBA-OB-2 8-10	4/22/1988	No	NA	
1,1,2-Trichloroethane	0.5	ND	NA	NA	No	NA	
1,1-Dichloroethane	16	1.16	NETT-11	3/30/1987	No	NA	
1,1-Dichloroethene	0.7	0.05	NETT-10	3/30/1987	No	NA	
1,2,4-Trichlorobenzene	27	0.015	HD-B51-TP-1G-9/9.5-0	12/30/2008	No	NA	
1,2-Dibromo-3-Chloropropane	0.02	ND	NA	NA	No	NA	
1,2-Dibromoethane	0.005	ND	NA	NA	No	NA	
1,2-Dichlorobenzene	60	ND	NA	NA	No	NA	
1,2-Dichloroethane	0.5	4.1	LFTP-14	11/14/1986	Yes	2.2	YES - COC
1,2-Dichloroethene	7	ND	NA	NA	No	NA	
1,2-Dichloropropane	0.5	ND	NA	NA	No	NA	
1,3-Dichlorobenzene	61	ND	NA	NA	No	NA	
1,3-Dichloropropene	2.6	ND	NA	NA	No	NA	
1,4-Dichlorobenzene	10	0.021	HD-DSA-QC-DUP7-04-1	5/7/2007	No	NA	
1,4-Dioxane	3.2	ND	NA	NA	No	NA	
2,4,5-Trichlorophenol	6100	ND	NA	NA	No	NA	
2,4,6-Trichlorophenol	29	ND	NA	NA	No	NA	
2,4-Dichlorophenol	2	ND	NA	NA	No	NA	
2,4-Dimethylphenol	200	ND	NA	NA	No	NA	
2,4-Dinitrophenol	20	ND	NA	NA	No	NA	
2,4-Dinitrotoluene	0.84	ND	NA	NA	No	NA	
2,6-Dinitrotoluene	10	ND	NA	NA	No	NA	
2-Butanone	400	0.46	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
2-Chloroethyl Vinyl Ether	NA	ND	NA	NA	No	NA	
2-Chloronaphthalene	18000	ND	NA	NA	No	NA	
2-Chlorophenol	4.4	ND	NA	NA	No	NA	
2-Hexanone	4.4	0.0772	NTT-SG15a Dup	12/17/1999	No	NA	
2-Methylnaphthalene	1600	0.2	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
2-Methylphenol	510	ND	NA	NA	No	NA	
2-Nitroaniline	31	ND	NA	NA	No	NA	
2-Nitrophenol	82	ND	NA	NA	No	NA	
3,3'-Dichlorobenzidine	32	ND	NA	NA	No	NA	
3/4-Methylphenol	51	88	PSWS-1	3/22/2000	Yes	310	No
3-Nitroaniline	3.1	ND	NA	NA	No	NA	
4,4'-DDD	120	ND	NA	NA	No	NA	
4,4'-DDE	170	ND	NA	NA	No	NA	
4,4'-DDT	330	ND	NA	NA	No	NA	
4,6-Dinitro-2-Methylphenol	1	ND	NA	NA	No	NA	
4-Bromophenyl phenyl ether	NA	0.092	HD-DSA-SB-002-04-0	5/7/2007	No	NA	
4-Chloro-3-Methyl-Phenol	110	ND	NA	NA	No	NA	
4-Chloroaniline	1.6	ND	NA	NA	No	NA	
4-Chlorodiphenyl Ether	NA	ND	NA	NA	No	NA	
4-Methyl-2-Pentanone	820	0.4	HD-ELF-SB-009-09-0	6/22/2007	No	NA	
4-Nitroaniline	13	ND	NA	NA	No	NA	
4-Nitrophenol	6	ND	NA	NA	No	NA	
Acenaphthene	4700	0.37	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Acenaphthylene	6900	ND	NA	NA	No	NA	
Acetone	9200	0.49	HD-NETT-SB-038-04-0	4/3/2007	No	NA	
Acrolein	0.018	ND	NA	NA	No	NA	
Acrylonitrile	0.37	0.0022	SE Corner 11	11/21/2001	No	NA	
Aldrin	1.8	ND	NA	NA	No	NA	
Alpha-BHC	0.19	ND	NA	NA	No	NA	
Alpha-Endosulfan	260	ND	NA	NA	No	NA	
Aluminum	190000	21900	BG-12	6/3/1998	No	NA	
Anthracene	350	0.67	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Antimony	27	37	HD-3: 2-4	9/11/1989	Yes	410	No
Aroclor-1016	200	ND	NA	NA	No	NA	
Aroclor-1221	0.63	ND	NA	NA	No	NA	
Aroclor-1232	0.5	ND	NA	NA	No	NA	
Aroclor-1242	16	ND	NA	NA	No	NA	
Aroclor-1248	62	0.13	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Aroclor-1254	260	5.5	SETT 10-1-01	10/1/2001	No	NA	
Aroclor-1260	590	0.0752	WP-SG7a	12/22/1999	No	NA	
Arsenic	29	29.1	HD-ELF-SB-008-03-0	4/26/2007	Yes	1.6	YES - COC
Barium	8200	427	HD-ELF-SB-011-14-0	5/9/2007	No	NA	

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Analyte	MSC Screening Level mg/kg	Maximum Detected mg/kg	Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
Benzene	0.5	0.22	LFTP-14	11/14/1986	No	NA	
Benzo(a)anthracene	320	1.6	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Benzo(a)pyrene	46	2.6	HD-ELF-SB-006-14-0	4/26/2007	No	NA	
Benzo(b)fluoranthene	170	0.985	LF-SG13a	12/9/1999	No	NA	
Benzo(g,h,i)perylene	180	0.502	LF-SG13a	12/9/1999	No	NA	
Benzo(k)fluoranthene	610	0.49	LF-SG13a	12/9/1999	No	NA	
Beryllium	320	2.3	PSWS-2	6/8/1998	No	NA	
Beta-BHC	0.82	ND	NA	NA	No	NA	
Beta-Endosulfan	260	ND	NA	NA	No	NA	
Bis(2-Chloroethoxy) Methane	31	ND	NA	NA	No	NA	
Bis(2-Chloroethyl) Ether	0.076	ND	NA	NA	No	NA	
Bis(2-Chloroisopropyl) Ether	30	ND	NA	NA	No	NA	
Bis(2-ethylhexyl) phthalate	130	17	HD-ELF-SB-006-14-0	4/26/2007	No	NA	
Bromochloromethane	9	ND	NA	NA	No	NA	
Bromodichloromethane	8	ND	NA	NA	No	NA	
Bromoform	8	0.0011	SB-12-6	10/2/2002	No	NA	
Bromomethane	1	ND	NA	NA	No	NA	
Butylbenzylphthalate	10000	0.072	HD-B45-TP-1B-11/11.5-0	1/8/2009	No	NA	
Cadmium	38	21.2	HD-ELF-SB-007-03-0	6/22/2007	No	NA	
Calcium*	NA	26400	PSWS-2	6/8/1998	No	NA	
Carbazole	83	0.32	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Carbon Disulfide	620	0.0156	HD Fire Pond A3 (0-1)	6/16/2003	No	NA	
Carbon Tetrachloride	0.5	ND	NA	NA	No	NA	
Chlordane	49	ND	NA	NA	No	NA	
Chlorobenzene	10	0.34	LFTP-14	11/14/1986	No	NA	
Chlorodibromomethane	8	ND	NA	NA	No	NA	
Chloroethane	90	0.44	NETT-11	3/30/1987	No	NA	
Chloroform	8	0.015	LFTP-14	11/14/1986	No	NA	
Chloromethane	3	ND	NA	NA	No	NA	
<b>Chromium</b>	<b>190</b>	<b>507</b>	<b>HD-SPBA-SB-024-03-0</b>	<b>1/23/2008</b>	<b>Yes</b>	<b>5.6</b>	<b>YES - COC</b>
Chrysene	230	1.8	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
cis-1,2-Dichloroethene	7	11	HD-NETT-SB-038-04-0	4/3/2007	Yes	200	No
cis-1,3-Dichloropropene	2.6	ND	NA	NA	No	NA	
Cobalt	140	19.5	BG-12	6/3/1998	No	NA	
Copper	43000	610	HD-ELF-SB-006-09-0	4/26/2007	No	NA	
Cyanide, Free	200	2.9	HD-NETT-SB-002-10-0	4/6/2007	No	NA	
Cyanide, Total	200	23	HD-NETT-SB-047-02-0	4/4/2007	No	NA	
Delta-BHC	NA	ND	NA	NA	No	NA	
Dibenzo(a,h)anthracene	160	0.058	HD-SPBA-SB-027-04-0	5/7/2007	No	NA	
Dibenzofuran	260	0.37	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Dieldrin	0.44	ND	NA	NA	No	NA	
Diethylphthalate	8200	0.06	HD-B51-TP-1C-9/9.5-0	12/30/2008	No	NA	
Dimethylphthalate	NA	ND	NA	NA	No	NA	
Di-n-Butylphthalate	4100	ND	NA	NA	No	NA	
Di-n-octylphthalate	10000	ND	NA	NA	No	NA	
Endosulfan Sulfate	70	ND	NA	NA	No	NA	
Endrin	5.5	ND	NA	NA	No	NA	
Endrin Aldehyde	NA	ND	NA	NA	No	NA	
Ethylbenzene	70	10	HD-NETT-SB-037-12-0	4/3/2007	No	NA	
Fluoranthene	3200	5.6	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Fluorene	3800	0.76	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Heptachlor	0.68	ND	NA	NA	No	NA	
Heptachlor Epoxide	1.1	ND	NA	NA	No	NA	
Hexachlorobenzene	0.96	ND	NA	NA	No	NA	
Hexachlorobutadiene	39	ND	NA	NA	No	NA	
Hexachlorocyclopentadiene	91	ND	NA	NA	No	NA	
Hexachloroethane	0.56	ND	NA	NA	No	NA	
<b>Hexavalent Chromium</b>	<b>190</b>	<b>254</b>	<b>HD-SPBA-SB-024-03-0</b>	<b>1/23/2008</b>	<b>Yes</b>	<b>5.6</b>	<b>YES - COC</b>
Indeno(1,2,3-cd)pyrene	28000	0.6	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Iron	190000	90200	PSWS-2	6/8/1998	No	NA	
Isophorone	10	ND	NA	NA	No	NA	
<b>Lead</b>	<b>450</b>	<b>1580</b>	<b>HD-ELF-SB-006-14-0</b>	<b>4/26/2007</b>	<b>Yes</b>	<b>800</b>	<b>YES - COC</b>
Lindane (Gamma-BHC)	0.072	ND	NA	NA	No	NA	
m,p-Xylene	1000	0.0017	HD Fire Pond A3 (0-1)	6/16/2003	No	NA	
Magnesium*	NA	10100	PSWS-2	6/8/1998	No	NA	
Manganese	2000	1600	PSWS-2	6/8/1998	No	NA	
Mercury	10	1.7	OWCA-SP-1	4/27/1995	No	NA	

**Table 2**  
**Screening of Constituents in Surface and Subsurface Soil - East Campus**  
**Former York Naval Ordnance Plant, York, PA**

Analyte	MSC Screening Level mg/kg	Maximum Detected mg/kg	Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
Methyl tert-butyl ether	2	ND	NA	NA	No	NA	
Methylene chloride	0.5	0.7	LFTP-14	11/14/1986	Yes	53	No
Naphthalene	25	0.49	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Nickel	650	454	HD-ELF-SB-010-03-0	6/22/2007	No	NA	
Nitrobenzene	20	ND	NA	NA	No	NA	
N-Nitrosodi-n-propylamine	0.037	ND	NA	NA	No	NA	
N-Nitrosodiphenylamine	83	ND	NA	NA	No	NA	
o-Xylene	1000	0.0054	HD Fire Pond B2 (0-1)	6/16/2003	No	NA	
Pentachlorophenol	5	ND	NA	NA	No	NA	
Phenanthrene	10000	3.9	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Phenol	200	0.072	HD-B45-TP-1A-10/5/11-0	1/8/2009	No	NA	
Potassium*	NA	3650	PSWS-2	6/8/1998	No	NA	
Pyrene	2200	2.6	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Selenium	26	19	SE Corner 11-15-01	11/15/2001	No	NA	
Silver	84	15.3	HD-ELF-SB-006-14-0	4/26/2007	No	NA	
Sodium*	NA	310	PSWS-1-B	6/8/1998	No	NA	
Styrene	24	0.018	HD-NETT-SB-043-02-0	4/4/2007	No	NA	
Tetrachloroethene	0.5	660	SB-13-6	10/2/2002	Yes	2.6	YES - COC
Thallium	14	20	HD-3: 2-4	9/11/1989	Yes	10	YES - COC
Toluene	100	16	HD-NETT-SB-037-12-0	4/3/2007	No	NA	
Toxaphene	1.2	ND	NA	NA	No	NA	
trans-1,2-Dichloroethene	10	4.4	NETT-10	3/30/1987	No	NA	
trans-1,3-Dichloropropene	2.6	ND	NA	NA	No	NA	
Trichloroethene	0.5	0.8	NETT-8	3/30/1987	Yes	6.4	No
Trichlorofluoromethane	200	0.00036	SB-14-4	10/2/2002	No	NA	
Vanadium	72000	44.3	HD-SPBA-SB-025-03-0	1/23/2008	No	NA	
Vinyl Chloride	0.2	2.5	HD-NETT-SB-037-12-1	4/4/2007	Yes	1.7	YES - COC
Xylenes (Total)	1000	86	HD-ELF-SB-008-03-0	4/26/2007	No	NA	
Zinc	12000	2400	HD-ELF-SB-006-14-0	4/26/2007	No	NA	

NA - Not Applicable

ND - Not Detected

\* Essential Nutrient

**Table 3**  
**Screening of Constituents in Surface Soil - West Campust**  
**Former York Naval Ordnance Plant, York, PA**

Analyte	MSC Screening Level mg/kg	Maximum Detected mg/kg	Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
1,1,1,2-Tetrachloroethane	18	ND	NA	NA	No	NA	
1,1,1-Trichloroethane	20	0.26	OWCA-SP-7	4/26/1995	No	NA	
1,1,2,2-Tetrachloroethane	0.43	ND	NA	NA	No	NA	
1,1,2-Trichloroethane	0.5	ND	NA	NA	No	NA	
1,1-Dichloroethane	16	0.03	OWCA-SP-7	4/26/1995	No	NA	
1,1-Dichloroethene	0.7	ND	NA	NA	No	NA	
1,2,4-Trichlorobenzene	27	ND	NA	NA	No	NA	
1,2-Dibromoethane	0.005	ND	NA	NA	No	NA	
1,2-Dichlorobenzene	60	ND	NA	NA	No	NA	
1,2-Dichloroethane	0.5	ND	NA	NA	No	NA	
1,2-Dichloroethene	7	ND	NA	NA	No	NA	
1,2-Dichloropropane	0.5	ND	NA	NA	No	NA	
1,3-Dichlorobenzene	61	ND	NA	NA	No	NA	
1,3-Dichloropropene	2.6	ND	NA	NA	No	NA	
1,4-Dichlorobenzene	10	0.34	HD-BPA-SB-035-02-0	2/6/2004	No	NA	
1,4-Dioxane	3.2	ND	NA	NA	No	NA	
2,4,5-Trichlorophenol	6100	ND	NA	NA	No	NA	
2,4,6-Trichlorophenol	29	ND	NA	NA	No	NA	
2,4-Dichlorophenol	2	ND	NA	NA	No	NA	
2,4-Dimethylphenol	200	0.055	HD-B41S-SB-S7N-11	4/2/2008	No	NA	
2,4-Dinitrophenol	20	ND	NA	NA	No	NA	
2,4-Dinitrotoluene	0.84	ND	NA	NA	No	NA	
2,6-Dinitrotoluene	10	ND	NA	NA	No	NA	
2-Butanone	400	0.57	OWCA-SP-7	4/26/1995	No	NA	
2-Chloroethyl Vinyl Ether	NA	ND	NA	NA	No	NA	
2-Chloronaphthalene	18000	ND	NA	NA	No	NA	
2-Chlorophenol	4.4	ND	NA	NA	No	NA	
2-Hexanone	4.4	ND	NA	NA	No	NA	
2-Methylnaphthalene	1600	0.72	HD-WPL-SB-030-02-0	2/12/2004	No	NA	
2-Methylphenol	510	0.034	HD-B41S-SB-S7N-11	4/2/2008	No	NA	
2-Nitroaniline	31	ND	NA	NA	No	NA	
2-Nitrophenol	82	ND	NA	NA	No	NA	
3,3'-Dichlorobenzidine	32	ND	NA	NA	No	NA	
3/4-Methylphenol	51	0.39	HD-WPL-SB-120-02-0	4/19/2007	No	NA	
3-Nitroaniline	3.1	ND	NA	NA	No	NA	
4,6-Dinitro-2-Methylphenol	1	ND	NA	NA	No	NA	
4-Bromophenyl phenyl ether	NA	ND	NA	NA	No	NA	
4-Chloro-3-Methyl-Phenol	110	ND	NA	NA	No	NA	
4-Chloroaniline	1.6	0.097	HD-WPL-SB-106-01-0	4/23/2007	No	NA	
4-Chlorodiphenyl Ether	NA	ND	NA	NA	No	NA	
4-Methyl-2-Pentanone	820	ND	NA	NA	No	NA	
4-Methylphenol	51	0.23	HD-B-SS-2-02-00	7/30/2004	No	NA	
4-Nitroaniline	13	ND	NA	NA	No	NA	
4-Nitrophenol	6	ND	NA	NA	No	NA	
Acenaphthene	4700	2.5	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Acenaphthylene	6900	1	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Acetone	9200	0.26	HD-B-SS-2-02-00	7/30/2004	No	NA	
Acrolein	0.018	ND	NA	NA	No	NA	
Acrylonitrile	0.37	ND	NA	NA	No	NA	
Aluminum	190000	11300	BG-28	6/4/1998	No	NA	
Anthracene	350	3.8	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Antimony	27	7.6	HD-WPL-SB-115-01-0	4/12/2007	No	NA	
Aroclor-1016	200	ND	NA	NA	No	NA	
Aroclor-1221	0.63	ND	NA	NA	No	NA	
Aroclor-1232	0.5	ND	NA	NA	No	NA	
Aroclor-1242	16	ND	NA	NA	No	NA	
Aroclor-1248	40	0.078	HD-WPL-SB-118-02-0	4/30/2007	No	NA	
Aroclor-1254	40	14	WPLTP-11-4	7/23/1991	No	NA	
Aroclor-1260	40	6.3	HD-WPL-SB-017-02-0	2/13/2004	No	NA	
Aroclor-1268	0.5	ND	NA	NA	No	NA	
<b>Arsenic</b>	<b>29</b>	<b>29</b>	<b>SB 522</b>	<b>5/1/2000</b>	<b>Yes</b>	<b>1.6</b>	<b>YES - COC</b>
Barium	8200	347	HD-WPL-SB-120-02-0	4/19/2007	No	NA	
Benzene	0.5	0.002	HD-WPL-SB-024-02-0	2/13/2004	No	NA	
Benzo(a)anthracene	110	9.4	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Benzo(a)pyrene	11	9.3	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Benzo(b)fluoranthene	110	7.3	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Benzo(g,h,i)perylene	180	5.3	HD-WPL-SB-115-01-0	4/12/2007	No	NA	
Benzo(k)fluoranthene	610	9.3	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Beryllium	320	2.5	HD-B41S-SB-S7N-14	4/2/2008	No	NA	
Bis(2-Chloroethoxy) Methane	31	ND	NA	NA	No	NA	
Bis(2-Chloroethyl) Ether	0.076	ND	NA	NA	No	NA	

**Table 3**  
**Screening of Constituents in Surface Soil - West Campust**  
**Former York Naval Ordnance Plant, York, PA**

Analyte	MSC Screening Level mg/kg	Maximum Detected mg/kg	Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
Bis(2-Chloroisopropyl) Ether	30	ND	NA	NA	No	NA	
Bis(2-ethylhexyl) phthalate	130	2.3	HD-B41S-SB-S7N-11	4/2/2008	No	NA	
Bromochloromethane	9	ND	NA	NA	No	NA	
Bromodichloromethane	8	ND	NA	NA	No	NA	
Bromoform	8	ND	NA	NA	No	NA	
Bromomethane	1	ND	NA	NA	No	NA	
Butylbenzylphthalate	10000	0.087	HD-B41S-SB-S7N-11	4/2/2008	No	NA	
<b>Cadmium</b>	<b>38</b>	<b>112</b>	<b>UTSWS-3</b>	<b>6/9/1998</b>	<b>Yes</b>	<b>80</b>	<b>YES - COC</b>
Calcium*	NA	3910	BG-27	6/4/1998	No	NA	
Carbazole	83	0.61	HD-WPL-SB-115-01-0	4/12/2007	No	NA	
Carbon Disulfide	620	0.0072	HD-B41S-SB-012-02-0	2/8/2008	No	NA	
Carbon Tetrachloride	0.5	ND	NA	NA	No	NA	
Chlorobenzene	10	ND	NA	NA	No	NA	
Chlorodibromomethane	8	ND	NA	NA	No	NA	
Chloroethane	90	ND	NA	NA	No	NA	
Chloroform	8	0.0039	HD-WPL-SB-120-02-0	4/19/2007	No	NA	
Chloromethane	3	ND	NA	NA	No	NA	
<b>Chromium</b>	<b>190</b>	<b>3820</b>	<b>HD-WPL-SB-024-02-0</b>	<b>2/13/2004</b>	<b>Yes</b>	<b>5.6</b>	<b>YES - COC</b>
Chrysene	230	8.6	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
cis-1,2-Dichloroethene	7	5.1	HD-B41S-SB-S7N-16	4/2/2008	No	NA	
cis-1,3-Dichloropropene	2.6	ND	NA	NA	No	NA	
Cobalt	140	6.52	BG-28	6/4/1998	No	NA	
Copper	43000	2700	WPLTP-11-4	7/23/1991	No	NA	
Cyanide, Free	200	1	HD-B41S-SB-009-02-0	2/8/2008	No	NA	
Cyanide, Total	200	0.69	HD-WPL-SB-005-5-0	7/5/2007	No	NA	
Dibenzo(a,h)anthracene	11	2.4	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Dibenzofuran	260	1.5	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Diethylphthalate	8200	0.041	HD-B41S-SB-012-02-0	2/8/2008	No	NA	
<b>Dimethylphthalate</b>	<b>NA</b>	<b>0.066</b>	<b>HD-FCSA-SB-003-02-0</b>	<b>5/7/2007</b>	<b>No</b>	<b>NA</b>	<b>YES - COC</b>
Di-n-Butylphthalate	4100	1.1	HD-WPL-SB-040-02-0	2/13/2004	No	NA	
Di-n-octylphthalate	10000	0.042	HD-B41S-SB-S7N-11	4/2/2008	No	NA	
Ethylbenzene	70	15	OWCA-SP-7	4/26/1995	No	NA	
Fluoranthene	3200	18	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Fluorene	3800	2.9	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Hexachlorobenzene	0.96	ND	NA	NA	No	NA	
Hexachlorobutadiene	39	ND	NA	NA	No	NA	
Hexachlorocyclopentadiene	91	ND	NA	NA	No	NA	
Hexachloroethane	0.56	ND	NA	NA	No	NA	
Hexavalent Chromium	190	122	HD-B41S-SB-010-02-0	2/8/2008	No	NA	
Indeno(1,2,3-cd)pyrene	110	5.6	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Iron	190000	15800	BG-27	6/4/1998	No	NA	
Isophorone	10	0.16	HD-WPL-SB-074-02-0	3/12/2004	No	NA	
<b>Lead</b>	<b>450</b>	<b>1000</b>	<b>WPL-15-B-1</b>	<b>7/23/1991</b>	<b>Yes</b>	<b>800</b>	<b>YES - COC</b>
Magnesium*	NA	1280	BG-28	6/4/1998	No	NA	
Manganese	2000	327	BG-28	6/4/1998	No	NA	
Mercury	10	6	HD-WPL-SB-030-02-0	2/12/2004	No	NA	
Methyl tert-butyl ether	2	ND	NA	NA	No	NA	
Methylene chloride	0.5	0.1	HD-B41S-SB-S7N-11	4/2/2008	No	NA	
Naphthalene	25	0.91	HD-WPL-SB-030-02-0	2/12/2004	No	NA	
Nickel	650	360	WPLTP-11-4	7/23/1991	No	2000	No
Nitrobenzene	20	0.88	HD-WPL-SB-106-01-0	4/23/2007	No	NA	
N-Nitrosodi-n-propylamine	0.037	ND	NA	NA	No	NA	
N-Nitrosodiphenylamine	83	ND	NA	NA	No	NA	
Pentachlorophenol	5	4.2	HD-WPL-SB-120-02-0	4/19/2007	No	NA	
Phenanthrene	10000	9.5	HD-WPL-SB-115-01-0	4/12/2007	No	NA	
Phenol	200	ND	NA	NA	No	NA	
Potassium*	NA	2810	BG-28	6/4/1998	No	NA	
Pyrene	2200	16	HD-WPL-SB-023-02-0	2/12/2004	No	NA	
Selenium	26	1.5	HD-WPL-SB-046-02-0	2/12/2004	No	NA	
Silver	84	42	WPLTP-11-4	7/23/1991	No	NA	
Sodium*	NA	ND	NA	NA	No	NA	
Styrene	24	ND	NA	NA	No	NA	
Tetrachloroethene	0.5	8.1	HD-B41S-SB-S7N-11	4/2/2008	Yes	2.6	YES - COC
<b>Thallium</b>	<b>14</b>	<b>22</b>	<b>SB 522</b>	<b>5/1/2000</b>	<b>Yes</b>	<b>10</b>	<b>YES - COC</b>
Toluene	100	23	OWCA-SP-7	4/26/1995	No	NA	
trans-1,2-Dichloroethene	10	0.0035	HD-B41S-SB-010-02-0	2/8/2008	No	NA	
trans-1,3-Dichloropropene	2.6	ND	NA	NA	No	NA	
<b>Trichloroethene</b>	<b>0.5</b>	<b>7.8</b>	<b>HD-BPA-SB-054-01-0</b>	<b>3/13/2004</b>	<b>Yes</b>	<b>6.4</b>	<b>YES - COC</b>
Trichlorofluoromethane	200	ND	NA	NA	No	NA	
Vanadium	20000	50.2	HD-WPL-SB-120-02-0	4/19/2007	No	NA	
Vinyl Chloride	0.2	0.088	HD-B41S-SB-S4N-06	4/2/2008	No	NA	
Xylenes (Total)	1000	100	OWCA-SP-7	4/26/1995	No	NA	
Zinc	12000	6900	HD-WPL-SB-024-02-0	2/13/2004	No	NA	

NA - Not Applicable



**Table 3**  
**Screening of Constituents in Surface Soil - West Campust**  
**Former York Naval Ordnance Plant, York, PA**

Analyte	MSC Screening Level mg/kg	Maximum Detected mg/kg	Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
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ND - Not Detected  
 \* Essential Nutrient

**Table 4**  
**Screening of Constituents in Surface and Subsurface Soil - West Campus**  
**Former York Naval Ordnance Plant, York, PA**

Analyte	MSC Screening Level mg/kg	Maximum Detected mg/kg	Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
1,1,1,2-Tetrachloroethane	18	ND	NA	NA	No	NA	
1,1,1-Trichloroethane	20	170	HD-B4ND-SB-014-15-0	7/23/2007	Yes	3800	No
1,1,2,2-Tetrachloroethane	0.43	ND	NA	NA	No	NA	
1,1,2-Trichloroethane	0.5	0.54	HD-WPL-SB-055-07-0	3/10/2004	Yes	5.3	No
1,1-Dichloroethane	16	1	HD-B4ND-SB-014-15-0	7/23/2007	No	NA	
1,1-Dichloroethene	0.7	0.11	OWCA-CB-9	4/27/1988	No	NA	
1,2,4-Trichlorobenzene	27	ND	NA	NA	No	NA	
1,2-Dibromo-3-Chloropropane	0.02	ND	NA	NA	No	NA	
1,2-Dibromoethane	0.005	ND	NA	NA	No	NA	
1,2-Dichlorobenzene	60	0.21	HD-WPL-SB-069-07-0	3/11/2004	No	NA	
1,2-Dichloroethane	0.5	ND	NA	NA	No	NA	
1,2-Dichloroethene	7	ND	NA	NA	No	NA	
1,2-Dichloropropane	0.5	ND	NA	NA	No	NA	
1,3-Dichlorobenzene	61	ND	NA	NA	No	NA	
1,3-Dichloropropene	2.6	ND	NA	NA	No	NA	
1,4-Dichlorobenzene	10	0.34	HD-BPA-SB-035-02-0	2/6/2004	No	NA	
1,4-Dioxane	3.2	ND	NA	NA	No	NA	
2,4,5-Trichlorophenol	6100	ND	NA	NA	No	NA	
2,4,6-Trichlorophenol	29	ND	NA	NA	No	NA	
2,4-Dichlorophenol	2	ND	NA	NA	No	NA	
2,4-Dimethylphenol	200	0.055	HD-B41S-SB-S7N-11	4/2/2008	No	NA	
2,4-Dinitrophenol	20	ND	NA	NA	No	NA	
2,4-Dinitrotoluene	0.84	ND	NA	NA	No	NA	
2,6-Dinitrotoluene	10	1.53	BPA TP-1a	12/7/1999	No	NA	
2-Butanone	400	5.2	OWCA-SP-3	4/28/1995	No	NA	
2-Chloroethyl Vinyl Ether	NA	ND	NA	NA	No	NA	
2-Chloronaphthalene	18000	ND	NA	NA	No	NA	
2-Chlorophenol	4.4	ND	NA	NA	No	NA	
2-Hexanone	4.4	ND	NA	NA	No	NA	
2-Methylnaphthalene	1600	6.6	HD-WPL-SB-095-05-0	4/26/2007	No	NA	
2-Methylphenol	510	0.085	HD-B41N-TP-1G-4/4.5-0	12/23/2008	No	NA	
2-Nitroaniline	31	ND	NA	NA	No	NA	
2-Nitrophenol	82	ND	NA	NA	No	NA	
3,3'-Dichlorobenzidine	32	ND	NA	NA	No	NA	
3/4-Methylphenol	51	0.39	HD-WPL-SB-120-02-0	4/19/2007	No	NA	
3-Nitroaniline	3.1	ND	NA	NA	No	NA	
4,4'-DDD	120	ND	NA	NA	No	NA	
4,4'-DDE	170	ND	NA	NA	No	NA	
4,4'-DDT	330	ND	NA	NA	No	NA	
4,6-Dinitro-2-Methylphenol	1	ND	NA	NA	No	NA	
4-Bromophenyl phenyl ether	NA	ND	NA	NA	No	NA	
4-Chloro-3-Methyl-Phenol	110	ND	NA	NA	No	NA	
4-Chloroaniline	1.6	ND	NA	NA	No	NA	
4-Chlorodiphenyl Ether	NA	ND	NA	NA	No	NA	
4-Methyl-2-Pentanone	820	0.43	OWCA-SP-7	4/26/1995	No	NA	
4-Methylphenol	51	0.23	HD-B-SS-2-02-00	7/30/2004	No	NA	
4-Nitroaniline	13	ND	NA	NA	No	NA	
4-Nitrophenol	6	ND	NA	NA	No	NA	
Acenaphthene	4700	8.2	WPL TP-5	11/26/1999	No	NA	
Acenaphthylene	6900	2.6	WPL TP-5	11/26/1999	No	NA	
Acetone	9200	3	OWCA-SP-7	4/26/1995	No	NA	
Acrolein	0.018	ND	NA	NA	No	NA	
Acrylonitrile	0.37	ND	NA	NA	No	NA	
Aldrin	1.8	ND	NA	NA	No	NA	
Alpha-BHC	0.19	ND	NA	NA	No	NA	
Alpha-Endosulfan	260	ND	NA	NA	No	NA	
Aluminum	190000	11300	BG-28	6/4/1998	No	NA	
Anthracene	350	13	WPL TP-5	11/26/1999	No	NA	

**Table 4**  
**Screening of Constituents in Surface and Subsurface Soil - West Campus**  
**Former York Naval Ordnance Plant, York, PA**

Analyte	MSC Screening Level mg/kg	Maximum Detected mg/kg	Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
Antimony	27	122	WPL-SG-33a	12/29/1999	Yes	41	YES - COC
Aroclor-1016	200	ND	NA	NA	No	NA	
Aroclor-1221	0.63	ND	NA	NA	No	NA	
Aroclor-1232	0.5	ND	NA	NA	No	NA	
Aroclor-1242	16	0.04	HD-BPA-SB-024-04-0	2/5/2004	No	NA	
Aroclor-1248	62	0.078	HD-WPL-SB-118-02-0	4/30/2007	No	NA	
Aroclor-1254	260	270	HD-WPL-SB-095-05-0	4/26/2007	Yes	0.74	YES - COC
Aroclor-1260	590	6.3	HD-WPL-SB-017-02-0	2/13/2004	No	NA	
Aroclor-1268	0.5	ND	NA	NA	No	NA	
Arsenic	29	221	WPL-SG-33a	12/29/1999	Yes	1.6	YES - COC
Barium	8200	370	HD-WPL-SB-095-05-0	4/26/2007	No	NA	
Benzene	0.5	0.0728	WPL TP-5	11/26/1999	No	NA	
Benzo(a)anthracene	320	54	WPL TP-5	11/26/1999	No	NA	
Benzo(a)pyrene	46	74	WPL TP-5	11/26/1999	Yes	0.21	YES - COC
Benzo(b)fluoranthene	170	95	WPL TP-5	11/26/1999	No	NA	
Benzo(g,h,i)perylene	180	43	WPL TP-5	11/26/1999	No	NA	
Benzo(k)fluoranthene	610	27.2	BPA TP-1a	12/7/1999	No	NA	
Beryllium	320	225	WPL-SG-33a	12/29/1999	No	NA	
Beta-BHC	0.82	ND	NA	NA	No	NA	
Beta-Endosulfan	260	ND	NA	NA	No	NA	
Bis(2-Chloroethoxy) Methane	31	ND	NA	NA	No	NA	
Bis(2-Chloroethyl) Ether	0.076	ND	NA	NA	No	NA	
Bis(2-Chloroisopropyl) Ether	30	ND	NA	NA	No	NA	
Bis(2-ethylhexyl) phthalate	130	8.4	WPL TP-3	11/26/1999	No	NA	
			HD-WPL-SB-017-04-0	2/13/2004			
Bromochloromethane	9	0.0004	HD-WPL-SB-036-04-0	2/17/2004	No	NA	
Bromodichloromethane	8	0.027	TANK 3 NW 7.5	11/7/2000	No	NA	
Bromoform	8	ND	NA	NA	No	NA	
Bromomethane	1	ND	NA	NA	No	NA	
Butylbenzylphthalate	10000	0.2	HD-B41S-SB-007-03-0	2/7/2008	No	NA	
Cadmium	38	224	WPL-SG-33a	12/29/1999	Yes	80	YES - COC
Calcium*	NA	3910	BG-27	6/4/1998	No	NA	
Carbazole	83	9.6	WPL TP-5	11/26/1999	No	NA	
Carbon Disulfide	620	0.0072	HD-B41S-SB-012-02-0	2/8/2008	No	NA	
Carbon Tetrachloride	0.5	ND	NA	NA	No	NA	
Chlordane	49	ND	NA	NA	No	NA	
Chlorobenzene	10	1.2	HD-WPL-SB-023-12-0	2/12/2004	No	NA	
Chlorodibromomethane	8	ND	NA	NA	No	NA	
Chloroethane	90	ND	NA	NA	No	NA	
Chloroform	8	0.0061	SB-14-14	10/19/2000	No	NA	
Chloromethane	3	ND	NA	NA	No	NA	
Chromium	190	8200	WPL-15-B-3	7/23/1991	Yes	5.6	YES - COC
Chrysene	230	54	WPL TP-5	11/26/1999	No	NA	
cis-1,2-Dichloroethene	7	40	HD-WPL-SB-055-07-0	3/10/2004	Yes	200	No
cis-1,3-Dichloropropene	2.6	0.0088	SB-14-14	10/19/2000	No	NA	
Cobalt	140	6.52	BG-28	6/4/1998	No	NA	
Copper	43000	3500	HD-WPL-TP-037-05-0	2/27/2004	No	NA	
Cyanide, Free	200	12.6	HD-B41N-TP-1D-2.5/3-0	12/23/2008	No	NA	
Cyanide, Total	200	174	HD-B41N-TP-1J-4/4.5-0	2/4/2009	No	NA	
Delta-BHC	NA	ND	NA	NA	No	NA	
Dibenzo(a,h)anthracene	160	15	WPL TP-5	11/26/1999	No	NA	
Dibenzofuran	260	4.4	WPL TP-5	11/26/1999	No	NA	
Diieldrin	0.44	ND	NA	NA	No	NA	
Diethylphthalate	8200	0.37	HD-B41N-TP-1G-4/4.5-1	12/23/2008	No	NA	
Dimethylphthalate	NA	0.066	HD-FCSA-SB-003-02-0	5/7/2007	No	NA	YES - COC
Di-n-Butylphthalate	4100	1.1	HD-WPL-SB-040-02-0	2/13/2004	No	NA	
Di-n-octylphthalate	10000	0.042	HD-B41S-SB-S7N-11	4/2/2008	No	NA	
Endosulfan Sulfate	70	ND	NA	NA	No	NA	
Endrin	5.5	ND	NA	NA	No	NA	
Endrin Aldehyde	NA	ND	NA	NA	No	NA	
Ethylbenzene	70	27	OWCA-SP-5	4/27/1995	No	NA	

**Table 4**  
**Screening of Constituents in Surface and Subsurface Soil - West Campus**  
**Former York Naval Ordnance Plant, York, PA**

Analyte	MSC		Maximum Detected Sample Location	Date Sampled	Is Maximum Concentration > MSC Screening Level?	US EPA Regional Screening Level mg/kg	Is Maximum Detected Concentration > RSL?
	Screening Level mg/kg	Maximum Detected mg/kg					
Fluoranthene	3200	110	WPL TP-5	11/26/1999	No	NA	
Fluorene	3800	12	WPL TP-5	11/26/1999	No	NA	
Heptachlor	0.68	ND	NA	NA	No	NA	
Heptachlor Epoxide	1.1	ND	NA	NA	No	NA	
<b>Hexachlorobenzene</b>	<b>0.96</b>	<b>4.36</b>	<b>BPA TP-1a</b>	<b>12/7/1999</b>	<b>Yes</b>	<b>1.1</b>	<b>YES - COC</b>
Hexachlorobutadiene	39	ND	NA	NA	No	NA	
Hexachlorocyclopentadiene	91	ND	NA	NA	No	NA	
Hexachloroethane	0.56	ND	NA	NA	No	NA	
Hexavalent Chromium	190	122	HD-B41S-SB-010-02-0	2/8/2008	No	NA	
Indeno(1,2,3-cd)pyrene	28000	43	WPL TP-5	11/26/1999	No	NA	
Iron	190000	15800	BG-27	6/4/1998	No	NA	
Isophorone	10	0.16	HD-WPL-SB-074-02-0	3/12/2004	No	NA	
<b>Lead</b>	<b>450</b>	<b>2760</b>	<b>HD-WPL-TP-037-05-0</b>	<b>2/27/2004</b>	<b>Yes</b>	<b>800</b>	<b>YES - COC</b>
Lindane (Gamma-BHC)	0.072	ND	NA	NA	No	NA	
m,p-Xylene	1000	ND	NA	NA	No	NA	
Magnesium*	NA	1280	BG-28	6/4/1998	No	NA	
Manganese	2000	327	BG-28	6/4/1998	No	NA	
Mercury	10	6	HD-WPL-SB-030-02-0	2/12/2004	No	NA	
Methyl tert-butyl ether	2	ND	NA	NA	No	NA	
Methylene chloride	0.5	0.1	HD-B41S-SB-S7N-11	4/2/2008	No	NA	
Naphthalene	25	11	HD-WPL-TP-037-05-0	2/27/2004	No	NA	
Nickel	650	1500	BLD2-Tank 6 N	1/1/2000	Yes	2000	No
Nitrobenzene	20	0.88	HD-WPL-SB-106-01-0	4/23/2007	No	NA	
N-Nitrosodi-n-propylamine	0.037	0.075	HD-B41S-SB-007-03-0	2/7/2008	Yes	0.25	No
N-Nitrosodiphenylamine	83	ND	NA	NA	No	NA	
o-Xylene	1000	ND	NA	NA	No	NA	
Pentachlorophenol	5	4.2	HD-WPL-SB-120-02-0	4/19/2007	No	NA	
Phenanthrene	10000	61	WPL TP-5	11/26/1999	No	NA	
Phenol	200	0.41	HD-WPL-SB-061-06-0	3/11/2004	No	NA	
Potassium*	NA	2810	BG-28	6/4/1998	No	NA	
Pyrene	2200	120	WPL TP-5	11/26/1999	No	NA	
Selenium	26	194	WPL-SG-33a	12/29/1999	Yes	510	No
Silver	84	225	WPL-SG-33a	12/29/1999	Yes	510	No
Sodium*	NA	ND	NA	NA	No	NA	
Styrene	24	0.027	OWCA-SP-5	4/27/1995	No	NA	
<b>Tetrachloroethene</b>	<b>0.5</b>	<b>1400</b>	<b>HD-B4ND-SB-014-15-0</b>	<b>7/23/2007</b>	<b>Yes</b>	<b>2.6</b>	<b>YES - COC</b>
<b>Thallium</b>	<b>14</b>	<b>212</b>	<b>WPL-SG-33a</b>	<b>12/29/1999</b>	<b>Yes</b>	<b>1</b>	<b>YES - COC</b>
Toluene	100	131.25	WPL-15-B-3	7/23/1991	Yes	4500	No
Toxaphene	1.2	ND	NA	NA	No	NA	
trans-1,2-Dichloroethene	10	0.275	OWCA-CB-9	4/27/1988	No	NA	
trans-1,3-Dichloropropene	2.6	0.0096	SB-14-14	10/19/2000	No	NA	
<b>Trichloroethene</b>	<b>0.5</b>	<b>460</b>	<b>HD-B4ND-SB-014-15-0</b>	<b>7/23/2007</b>	<b>Yes</b>	<b>6.4</b>	<b>YES - COC</b>
Trichlorofluoromethane	200	ND	NA	NA	No	NA	
Vanadium	72000	53.9	HD-WPL-SB-111-11-0	4/19/2007	No	NA	
Vinyl Acetate	180	ND	NA	NA	No	NA	
Vinyl Chloride	0.2	0.63	HD-B41S-SB-004-03-0	2/8/2008	Yes	1.7	No
Xylenes (Total)	1000	100	OWCA-SP-7	4/26/1995	No	NA	
<b>Zinc</b>	<b>12000</b>	<b>37000</b>	<b>WPL-15-B-3</b>	<b>7/23/1991</b>	<b>Yes</b>	<b>31000</b>	<b>YES - COC</b>

NA - Not Applicable

ND - Not Detected

\* Essential Nutrient