OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	Berlin Site Background Avg	3X Site Background Avg	Concentration in "Natural" Soil (MADEP, Spring 2002)	RCS1	Berlin Acceptance Criteria (<value)
GC/MS SEMI VOC/PAHs BY 8270D	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	ND	0.4	1.2	NA	2	2.0
1,2-Dichlorobenzene	ND	0.4	1.2	NA	9	4.0
1,3-Dichlorobenzene	ND	0.4	1.2	NA	3	3.0
1,4-Dichlorobenzene	ND	0.4	1.2	NA	0.7	0.6
2,4,5-Trichlorophenol	ND	0.4	1.2	NA	4	4.0
2,4,6-Trichlorophenol	ND	0.4	1.2	NA	0.7	0.6
2,4-Dichlorophenol	ND	0.4	1.2	NA	0.7	0.6
2,4-Dimethylphenol	ND	0.4	1.2	NA	0.7	0.6
2,4-Dinitrophenol	ND	0.7	2.1	NA	3	2.1
2,4-Dinitrotoluene	ND	0.4	1.2	NA	0.7	0.6
2,6-Dinitrotoluene	ND	0.4	1.2	NA	100	7.5
2-Chloronaphthalene	ND	0.4	1.2	NA	1000	7.5
2-Chlorophenol	ND	0.4	1.2	NA	0.7	0.6
2-Methylnaphthalene	ND	0.2	0.6	0.7	0.7	0.7
2-Nitrophenol	ND	0.4	1.2	NA	100	7.5

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	Berlin Site Background Avg	3X Site Background Avg	Concentration in "Natural" Soil (MADEP, Spring 2002)	RCS1	Berlin Acceptance Criteria (<value)
3,3'-Dichlorobenzidine	ND	0.2	0.6	NA	3	3.0
4-Bromophenyl phenyl ether	ND	0.4	1.2	NA	100	7.5
4-Chloroaniline	ND	0.7	2.1	NA	1	0.9
4-Nitrophenol	ND	0.7	2.1	NA	100	14.0
Acenaphthene	ND	0.2	0.6	0.5	4	4.0
Acenaphthylene	ND	0.2	0.6	0.5	1	1.0
Acetophenone	ND	0.4	1.2	NA	1000	7.5
Aniline	ND	0.4	1.2	NA	1000	7.5
Anthracene	ND	0.2	0.6	1.0	1000	4.0
Azobenzene	0.7	0.5	1.5	NA	NA	1.5
Benzo[a]anthracene	0.7	0.6	1.8	7	7	7.0
Benzo[a]pyrene	0.9	0.8	2.4	2	2	2.0
Benzo[b]fluoranthene	0.6	0.4	1.2	7	7	7.0
Benzo[g,h,i]perylene	0.4	0.3	0.9	1,000	1000	4.0
Benzo[k]fluoranthene	ND	0.4	1.2	1,000	70	7.5
Bis(2-chloroethoxy)methane	ND	0.4	1.2	NA	500	7.5
Bis(2-chloroethyl)ether	ND	0.4	1.2	NA	0.7	0.6
Bis(2-ethylhexyl) phthalate	ND	0.4	1.2	200	90	7.5
Butyl benzyl phthalate	ND	0.7	2.2	NA	100	14.0
Chrysene	0.8	0.7	2.2	70	70	8.0
Dibenz(a,h)anthracene	ND	0.2	0.6	0.7	0.7	0.7

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	**Berlin Site Background Avg**	**3X Site Background Avg**	**Concentration in "Natural" Soil (MADEP, Spring 2002)**	**RCS1**	**Berlin Acceptance Criteria (<value)**
Dibenzofuran	ND	0.4	1.2	NA	100	7.5
Diethyl phthalate	ND	0.4	1.2	NA	10	7.5
Dimethyl phthalate	ND	0.7	2.2	NA	0.7	0.6
Di-n-butyl phthalate	ND	0.4	1.2	NA	50	7.5
Di-n-octyl phthalate	ND	0.7	2.2	NA	1000	14.0
Fluoranthene	1.2	1.0	3.0	1,000	1000	12.0
Fluorene	ND	0.2	0.6	1,000	1000	10.0
Hexachlorobenzene	ND	0.4	1.2	NA	0.7	0.6
Hexachlorobutadiene	ND	0.4	1.2	NA	30	1.1
Hexachloroethane	ND	0.4	1.2	NA	0.7	0.6
Indeno[1,2,3-cd]pyrene	0.6	0.5	1.5	7	7	7.0
Isophorone	ND	0.4	1.2	NA	100	1.1
Naphthalene	ND	0.2	0.6	4	4	4.0
Nitrobenzene	ND	0.4	1.2	NA	500	1.1
Pentachlorophenol	ND	0.4	1.2	NA	3	1.1
Phenanthrene	0.7	0.5	1.5	10	10	7.0
Phenol	ND	0.4	1.2	NA	1	1.0
Pyrene	1.1	1.0	3.0	1,000	1000	10
GC/MS VOA BY 8260C	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	
1,1,1,2-Tetrachloroethane	0.0	0.0	0.0	ND	0.1	ND
1,1,1-Trichloroethane	0.0	0.0	0.0	ND	30	ND

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	Berlin Site Background Avg	3X Site Background Avg	Concentration in "Natural" Soil (MADEP, Spring 2002)	RCS1	Berlin Acceptance Criteria (<value)
1,1,2,2-Tetrachloroethane	0.0	0.0	0.0	ND	0.005	ND
1,1,2-Trichloroethane	0.0	0.0	0.0	ND	0.1	ND
1,1-Dichloroethane	0.0	0.0	0.0	ND	0.4	ND
1,1-Dichloroethene	0.0	0.0	0.0	ND	3	ND
1,1-Dichloropropene	0.0	0.0	0.0	ND	NA	ND
1,2,3-Trichlorobenzene	0.0	0.0	0.0	ND	NA	ND
1,2,3-Trichloropropane	0.0	0.0	0.0	ND	100	ND
1,2,4-Trichlorobenzene	0.0	0.0	0.0	ND	2	ND
1,2,4-Trimethylbenzene	0.0	0.0	0.0	ND	1000	ND
1,2-Dibromo-3-Chloropropane	0.0	0.0	0.1	ND	10	ND
1,2-Dichlorobenzene	0.0	0.0	0.0	ND	9	ND
1,2-Dichloroethane	0.0	0.0	0.0	ND	0.1	ND
1,2-Dichloropropane	0.0	0.0	0.0	ND	0.1	ND
1,3,5-Trimethylbenzene	0.0	0.0	0.0	ND	10	ND
1,3-Dichlorobenzene	0.0	0.0	0.0	ND	3	ND
1,3-Dichloropropane	0.0	0.0	0.0	ND	500	ND
1,4-Dichlorobenzene	0.0	0.0	0.0	ND	0.7	ND
1,4-Dioxane	0.0	0.2	0.5	ND	0.2	ND
2,2-Dichloropropane	0.0	0.0	0.0	ND	NA	ND
2-Butanone (MEK)	0.0	0.0	0.1	ND	4	ND
2-Chlorotoluene	0.0	0.0	0.0	ND	100	ND

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	**Berlin Site Background Avg**	**3X Site Background Avg**	**Concentration in "Natural" Soil (MADEP, Spring 2002)**	**RCS1**	**Berlin Acceptance Criteria (<value)**
2-Hexanone	0.0	0.0	0.1	ND	100	ND
4-Chlorotoluene	0.0	0.0	0.0	ND	NA	ND
4-Isopropyltoluene	0.0	0.0	0.0	ND	100	ND
4-Methyl-2-pentanone (MIBK)	0.0	0.0	0.1	ND	0.4	ND
GC/MS SEMI VOC/PAHs BY 8270D	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	0.0	0.2	0.5	ND	6	ND
Benzene	0.0	0.0	0.0	ND	2	ND
Bromobenzene	0.0	0.0	0.0	ND	100	ND
Bromoform	0.0	0.0	0.0	ND	0.1	ND
Bromomethane	0.0	0.0	0.0	ND	0.5	ND
Carbon disulfide	0.0	0.0	0.0	ND	100	ND
Carbon tetrachloride	0.0	0.0	0.0	ND	5	ND
Chlorobenzene	0.0	0.0	0.0	ND	1	ND
Chlorodibromomethane	0.0	0.0	0.0	ND	0.005	ND

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	Berlin Site Background Avg	3X Site Background Avg	Concentration in "Natural" Soil (MADEP, Spring 2002)	RCS1	Berlin Acceptance Criteria (<value)
Chloroethane	0.0	0.0	0.0	ND	100	ND
Chloroform	0.0	0.0	0.0	ND	0.2	ND
Chloromethane	0.0	0.0	0.0	ND	100	ND
cis-1,2-Dichloroethene	0.0	0.0	0.0	ND	0.1	ND
cis-1,3-Dichloropropene	0.0	0.0	0.0	ND	0.01	ND
Dibromomethane	0.0	0.0	0.0	ND	500	ND
Dichlorodifluoromethane	0.0	0.0	0.0	ND	1000	ND
Ethylbenzene	0.0	0.0	0.0	ND	40	ND
Hexachlorobutadiene	0.0	0.0	0.0	ND	30	ND
Isopropylbenzene	0.0	0.0	0.0	ND	1000	ND
Methyl tert-butyl ether	0.0	0.0	0.0	ND	0.1	ND
Methylene Chloride	0.0	0.0	0.0	ND	0.1	ND
m-Xylene & p-Xylene	0.0	0.0	0.0	ND	100	ND

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	Berlin Site Background Avg	3X Site Background Avg	Concentration in "Natural" Soil (MADEP, Spring 2002)	RCS1	Berlin Acceptance Criteria (<value)
Naphthalene	0.0	0.0	0.1	ND	4	ND
n-Butylbenzene	0.0	0.0	0.0	ND	NA	ND
N-Propylbenzene	0.0	0.0	0.0	ND	100	ND
o-Xylene	0.0	0.0	0.0	ND	100	ND
sec-Butylbenzene	0.0	0.0	0.0	ND	NA	ND
Styrene	0.0	0.0	0.0	ND	3	ND
Tert-amyl methyl ether	0.0	0.0	0.0	ND	NA	ND
Tert-butyl ethyl ether	0.0	0.0	0.0	ND	NA	ND
tert-Butylbenzene	0.0	0.0	0.0	ND	100	ND
Tetrachloroethene	0.0	0.0	0.0	ND	1	ND
Tetrahydrofuran	0.0	0.0	0.1	ND	500	ND
Toluene	0.0	0.0	0.0	ND	30	ND
trans-1,2-Dichloroethene	0.0	0.0	0.0	ND	1	ND

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	**Berlin Site Background Avg**	**3X Site Background Avg**	**Concentration in "Natural" Soil (MADEP, Spring 2002)**	**RCS1**	**Berlin Acceptance Criteria (<value)**
trans-1,3-Dichloropropene	0.0	0.0	0.0	ND	0.01	ND
Trichloroethene	0.0	0.0	0.0	ND	0.3	ND
Trichlorofluoromethane	0.0	0.0	0.0	ND	1000	ND
Vinyl chloride	0.0	0.0	0.0	ND	0.7	ND
GC SEMI VOA BY 8100 Modified						
Total Petroleum Hydrocarbons (C9-C36)	180.0	126.7	380.0	ND	1000	1000
Pesticides BY 8081B	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	
4,4'-DDD	0.0	0.0	0.0	NA	8	ND (<0.15)
4,4'-DDE	0.0	0.0	0.0	NA	6	ND (<0.15)
4,4'-DDT	0.0	0.0	0.0	NA	6	ND (<0.15)
Aldrin	0.0	0.0	0.0	NA	0.08	ND (<0.15)
alpha-BHC	0.0	0.0	0.0	NA	50	ND (<0.15)
beta-BHC	0.0	0.0	0.0	NA	10	ND (<0.15)

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	Berlin Site Background Avg	3X Site Background Avg	Concentration in "Natural" Soil (MADEP, Spring 2002)	RCS1	Berlin Acceptance Criteria (<value)
Chlordane (technical)	0.0	0.3	0.8	NA	0.7	ND (<0.15)
delta-BHC	0.0	0.0	0.0	NA	10	ND (<0.15)
Dieldrin	0.0	0.0	0.0	NA	0.08	ND (<0.15)
Endosulfan I	0.0	0.0	0.0	NA	0.5	ND (<0.15)
Endosulfan II	0.0	0.0	0.0	NA	0.5	ND (<0.15)
Endosulfan sulfate	0.0	0.0	0.0	NA	NA	ND (<0.15)
Endrin	0.0	0.0	0.0	NA	10	ND (<0.15)
Endrin ketone	0.0	0.0	0.0	NA	NA	ND (<0.15)
gamma-BHC (Lindane)	0.0	0.0	0.0	NA	0.003	ND (<0.15)
Heptachlor	0.0	0.0	0.0	NA	0.3	ND (<0.15)
Heptachlor epoxide	0.0	0.0	0.0	NA	0.10	ND (<0.15)
Hexachlorobenzene	0.0	0.0	0.0	NA	0.7	ND (<0.15)
Methoxychlor	0	0.0	0.0	NA	200	ND (<0.15)

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	Berlin Site Background Avg	3X Site Background Avg	Concentration in "Natural" Soil (MADEP, Spring 2002)	RCS1	Berlin Acceptance Criteria (<value)
PCBs BY 8082A	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	
PCB-1016	0.0	0.1	0.3	NA	1	ND (<0.1)
PCB-1221	0.0	0.1	0.3	NA	1	ND (<0.1)
PCB-1232	0.0	0.1	0.3	NA	1	ND (<0.1)
PCB-1242	0.0	0.1	0.3	NA	1	ND (<0.1)
PCB-1248	0.0	0.1	0.3	NA	1	ND (<0.1)
PCB-1254	0.0	0.1	0.3	NA	1	ND (<0.1)
PCB-1260	0.0	0.1	0.3	NA	1	ND (<0.1)
PCB-1262	0.0	0.1	0.3	NA	1	ND (<0.1)
PCB-1268	0.0	0.1	0.3	NA	1	ND (<0.1)
Herbicides BY 8151A	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	
2,4,5-T	0.0	0.0	0.0	NA	NA	ND (<0.03)
2,4-D	0.0	0.0	0.0	NA	NA	ND (<0.03)

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	**Berlin Site Background Avg**	**3X Site Background Avg**	**Concentration in "Natural" Soil (MADEP, Spring 2002)**	**RCS1**	**Berlin Acceptance Criteria (<value)**
2,4-DB	0.0	0.0	0.0	NA	NA	ND (<0.03)
Dalapon	0.0	0.0	0.0	NA	NA	ND (<0.03)
Dicamba	0.0	0.0	0.0	NA	NA	ND (<0.03)
Dichlorprop	0.0	0.0	0.0	NA	NA	ND (<0.03)
Dinoseb	0.0	0.0	0.0	NA	NA	ND (<0.03)
Silvex (2,4,5-TP)	0.0	0.0	0.0	NA	100	ND (<0.03)
METALS BY 6010C	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	
Arsenic	18.0	11.9	35.6	20	20	20
Barium	ND	0.1	0.3	50	1,000	375
Cadmium	ND	0.1	0.4	0.1	70	40.0
Chromium	29.0	23.0	69	26.0	100	100
Lead	20.0	17.0	51	18.5	200	200
Nickel	18.0	15.3	46	16.7	600	180

OIL or HAZARDOUS MATERIAL						
	Berlin Site Max Concentration	**Berlin Site Background Avg**	**3X Site Background Avg**	**Concentration in "Natural" Soil (MADEP, Spring 2002)**	**RCS1**	**Berlin Acceptance Criteria (<value)**
Selenium	ND	2.8	8.3	2.8	400	5
Silver	ND	0.3	0.84	0.3	100	6.0
Zinc	36.0	36.0	32.7	98.0	1000	500
METALS BY 7471B	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	
Mercury	0.0	0.0	0.6	0.1	20	3.00
GENERAL CHEMISTRY BY MOISTURE	**%**	**%**	**%**	**%**	**%**	
Percent Solids	91.1	89.0	267.0	NA	NA	
GENERAL CHEMISTRY BY SM 2510B	**umhos/cm**	**umhos/cm**	**umhos/cm**	**umhos/cm**	**umhos/cm**	
Specific Conductance	36.0	370.0	1110.0	NA	NA	<2000

General Notes:

NA= Not Applicable, NS= Not Sampled

One-half the laboratory detection limit (DL) is shown in yellow and was utilized to estimate the average concentration shown.

PAHs:3 times site ave. including 1/2 Detection Limits for non-detect samples were used to calc. Acceptance Criteria.

Arsenic: Levels are somewhat elevated in Worcester County as Doc. By DEP (30 ppm or so). Value of 18 was selected but may range to 30 in natural non-impacted soils. Otherwise soils > 20 ppm Arsenic without exempt status cannot be accepted.

Chromium: 30 is Hex Chromium Std. Chromium can be accepted to 69 ppm with demonstration hex chromium is <30 ppm.

PCBs: No PCBs < 0.10 can be accepted.

VOCs/Pest/Herbs: VOCs not accepted. Trace levels of pesticides/herbicides can be accepted on case-by-case basis.