Table TM-1-5.1
Semi-Volatile Compounds in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU5 CS3 (CON)	SWMU6 CS1 (CON)	SWMU6 CS2 (CON)	F1 CS1 (CON)	F1 CS2 (CON)	F1 CS3 (CON)
Sample Date:						4/29/2004 DUPLICATE	4/28/2004	4/28/2004	4/28/2004	4/28/2004	4/28/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Residential & Commercial I	Soil Saturation Concentration Screening	Volatilization to Indoor Air	Infinite Source Volatile Soil Inhalation	Particulate Soil Inhalation						
Semi-Volatile Organic Compounds (ug/Kg)											
1,2,4-Trichlorobenzene	9.9E+05 (DD)	1.1E+06	1.10E+06 (C)	2.80E+07	2.50E+10	210 U	880 U	360 U	5,500 U	3,700 U	1,700 U
1,2-Dichlorobenzene	2.1E+05 (C)	2.10E+05	2.10E+05 (C)	3.90E+07	1.00E+11	100 U	880 U	360 U	2,700 U	3,700 U	1,700 U
1,3-Dichlorobenzene	1.7E+05 (C)	1.70E+05	ID	ID	ID	100 U	880 U	360 U	2,700 U	3,700 U	1,700 U
1,4-Dichlorobenzene	4.0E+05	NA	19,000	77,000	4.50E+08	100 U	880 U	360 U	2,700 U	3,700 U	1,700 U
2,4,5-Trichlorophenol	2.30E+07	NA	NLV	NLV	2.30E+10	350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
2,4,6-Trichlorophenol	7.1E+05	NA	NLV	NLV	1.00E+09	350 U	330 U	330 U	9,000 U	730 U	330 U
2,4-Dichlorophenol	6.6E+05 (DD)	1.8E+06	NLV	NLV	5.10E+09	350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
2,4-Dimethylphenol	1.1E+07	NA	NLV	NLV	4.70E+09	350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
2,4-Dinitrophenol						1,800 U	3,500 U	1,700 U	47,000 U	15,000 U	6,700 U
2,4-Dinitrotoluene	48,000	NA	NLV	NLV	1.60E+07	350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
2,6-Dinitrotoluene						350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
2-Chloronaphthalene	5.70E+07	NA	ID	ID	ID	210 U	880 U	360 U	5,500 U	3,700 U	1,700 U
2-Chlorophenol	1.40E+06	1.90E+07	ID	ID	ID	350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
2-Methyl-4,6-dinitrophenol	79000	NA	NLV	NLV	ID	1,800 U	880 U	360 U	47,000 U	3,700 U	1,700 U
2-Methylnaphthalene	8.10E+06	NA	ID	ID	ID	260 U	880 U	360 U	**20,000**	3,700 U	1,700 U
2-Methylphenol	1.10E+07	NA	NLV	NLV	6.70E+09	350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
2-Nitroaniline						1,800 U	880 U	360 U	47,000 U	3,700 U	1,700 U
2-Nitrophenol	6.3E+05	NA	NLV	NLV	ID	350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
3/4-Methylphenol	1.10E+07	NA	NLV	NLV	6.70E+09	690 U	880 U	360 U	18,000 U	3,700 U	1,700 U
3-Nitroaniline						1,800 U	880 U	360 U	47,000 U	3,700 U	1,700 U
4-Bromophenyl-phenylether						210 U	880 U	360 U	5,500 U	3,700 U	1,700 U
4-Chloro-3-methylphenol	4.5E+06	NA	NLV	NLV	ID	350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
4-Chlorophenyl-phenylether						100 U	880 U	360 U	2,700 U	3,700 U	1,700 U
4-Nitroaniline						1,800 U	880 U	360 U	47,000 U	3,700 U	1,700 U
4-Nitrophenol						1,800 U	3,500 U	1,700 U	47,000 U	15,000 U	6,700 U
Acenaphthene	4.10E+07	NA	1.90E+08	8.10E+07	1.40E+10	100 U	880 U	360 U	**26,000**	**3,900**	**2,800**
Acenaphthylene	1.6E+06	NA	1.6E+06	2.20E+06	2.30E+06	100 U	880 U	360 U	2,700 U	3,700 U	1,700 U
Anthracene	2.30E+08	NA	1.00E+09 (D)	1.40E+09	6.70E+10	**150**	880 U	360 U	**69,000**	**11,000**	**2,100**
Azobenzene	1.40E+05	NA	6.10E+06	6.30E+05	1.00E+08	210 U	880 U	360 U	5,500 U	3,700 U	1,700 U
Benzo(a)anthracene	20,000	NA	NLV	NLV	ID	**500**	**950**	69 U	**170,000**	**46,000**	**8,100**
Benzo(a)pyrene	2,000	NA	NLV	NLV	1.50E+06	**460**	**1,100**	69 U	**160,000**	**45,000**	**3,000**
Benzo(b)fluoranthene	20,000	NA	ID	ID	ID	**690**	**1,700**	69 U	**200,000**	**85,000**	**9,500**

Prepared by: K. Book
Checked by: M. McGowan

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Table TM-1-5.1
Semi-Volatile Compounds in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU5 CS3 (CON)	SWMU6 CS1 (CON)	SWMU6 CS2 (CON)	F1 CS1 (CON)	F1 CS2 (CON)	F1 CS3 (CON)
Sample Date:						4/29/2004 DUPLICATE	4/28/2004	4/28/2004	4/28/2004	4/28/2004	4/28/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Residential & Commercial I	Soil Saturation Concentration Screening	Volatilization to Indoor Air	Infinite Source Volatile Soil Inhalation	Particulate Soil Inhalation						
Semi-Volatile Organic Compounds (ug/Kg)											
Benzo(g,h,i)perylene	2.5E+06	NA	NLV	NLV	8.00E+08	**250**	880 U	360 U	**96,000**	**1,800**	**1,900**
Benzo(k)fluoranthene	2.0E+05	NA	NLV	NLV	ID	**240**	880 U	360 U	**59,000**	**30,000**	**4,000**
bis(2-Chloroethoxy)methane	ID	2.70E+06	NLV	NLV	ID	210 U	880 U	360 U	5,500 U	3,700 U	1,700 U
bis(2-Chloroethyl)ether	13,000	2.20E+06	8,300	3,800	9.40E+06	100 U	170 U	69 U	2,700 U	730 U	330 U
bis(2-Chloroisopropyl)ether						100 U	880 U	360 U	2,700 U	3,700 U	1,700 U
bis(2-Ethylhexyl)phthalate	2.80E+06	1.00E+07	NLV	NLV	7.00E+08	**720**	**1,400**	360 U	**8,800**	3,700 U	1,700 U
Butylbenzylphthalate	3.10E+05(C)	3.10E+05	NLV	NLV	4.70E+10	**240**	880 U	360 U	2,700 U	3,700 U	1,700 U
Carbazole	5.30E+05	NA	NLV	NLV	ID	350 U	880 U	360 U	**29,000**	**8,300**	1,700 U
Chrysene	2.00E+06	NA	ID	ID	ID	**720**	**1,300**	360 U	**190,000**	**55,000**	**9,600**
Dibenzo(a,h)anthracene	2,000	NA	NLV	NLV	ID	210 U	170 U	69 U	**37,000**	**8,800**	**920**
Dibenzofuran	ID	NA	ID	ID	ID	350 U	880 U	360 U	**33,000**	3,700 U	**4,800**
Diethylphthalate	7.4E+05 (C)	7.40E+05	NLV	NLV	3.30E+09	**830**	880 U	360 U	2,700 U	3,700 U	1,700 U
Dimethylphthalate	7.90E+05 (C)	7.90E+05	NLV	NLV	3.30E+09	210 U	**970**	360 U	5,500 U	3,700 U	1,700 U
Di-n-butylphthalate	7.60E+05 (C)	7.60E+05	NLV	NLV	3.30E+09	100 U	880 U	360 U	2,700 U	3,700 U	1,700 U
Di-n-octylphthalate	6.90E+06	1.40E+08	NLV	NLV	ID	210 U	880 U	360 U	5,500 U	3,700 U	1,700 U
Fluorene	2.70E+07	NA	5.80E+08	1.30E+08	9.30E+09	100 U	880 U	360 U	**35,000**	**6,200**	**2,400**
Fluoranthene	4.60E+07	NA	1.00E+09 (D)	7.40E+08	9.30E+09	**1,300**	**2,600**	360 U	**440,000**	**160,000**	**29,000**
Hexachlorobenzene	8,900	NA	41000	17000	6.80E+06	210 U	880 U	360 U	5,500 U	3,700 U	1,700 U
Hexachlorobutadiene	1.00E+05	3.50E+05	1.30E+05	1.30E+05	1.40E+08	210 U	880 U	360 U	5,500 U	3,700 U	1,700 U
Hexachlorocyclopentadiene	7.20E+05 (C)	7.20E+05	30,000	50,000	1.30E+07	2,100 U	880 U	360 U	55,000 U	3,700 U	1,700 U
Hexachloroethane	2.30E+05	NA	40,000	5.50E+05	2.30E+08	100 U	880 U	360 U	2,700 U	3,700 U	1,700 U
Indeno(1,2,3-cd)pyrene	20,000	NA	NLV	NLV	ID	**340**	**520**	69 U	**100,000**	**20,000**	**2,200**
Isophorone	2.4E+06 (C)	2.40E+06	NLV	NLV	1.20E+10	100 U	880 U	360 U	2,700 U	3,700 U	1,700 U
Naphthalene	1.60E+07	NA	2.50E+05	3.00E+05	2.00E+08	100 U	880 U	360 U	**32,000**	3,700 U	1,700 U
Nitrobenzene	1.00E+05	4.90E+05	200 (M)	200 (M)	200 (M)	210 U	170 U	69 U	5,500 U	730 U	330 U
N-Nitrosodimethyamine						350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
N-Nitroso-di-n-propylamine	1,200	1.50E+06	NLV	NLV	1.60E+06	210 U	880 U	360 U	5,500 U	3,700 U	1,700 U
N-Nitrosodiphenylamine	1.70E+06	NA	NLV	NLV	ID	210 U	880 U	360 U	5,500 U	3,700 U	1,700 U
Pentachlorophenol	3.20E+05	NA	NLV	NLV	1.30E+08	3,500 U	880 U	360 U	93,000 U	3,700 U	1,700 U
Phenanthrene	1.60E+06	NA	2.80E+06	1.60E+05	6.70E+06	**870**	**1,500**	360 U	**290,000**	**52,000**	**29,000**
Phenol	1.2E+07 (C,DD)	1.20E+07	NLV	NLV	4.00E+10	350 U	880 U	360 U	9,000 U	3,700 U	1,700 U
Pyrene	2.90E+07	NA	1.00E+09 (D)	6.50E+08	6.70E+09	**1,200**	**2,100**	360 U	**260,000**	**150,000**	**23,000**

Prepared by: K. Beck
Checked by: M. McGowan

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Table TM-1-5.1
Semi-Volatile Compounds in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						F2 CS1 (CON)	F2 CS2 (CON)	F2 CS3 (CON)	F3 CS 1 (CON)	F3 CS 2 (CON)	F3 CS 3 (CON)
Sample Date:						4/28/2004	4/28/2004	4/28/2004	4/27/2004	4/27/2004	4/27/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Residential & Commercial I	Soil Saturation Concentration Screening	Volatilization to Indoor Air	Infinite Source Volatile Soil Inhalation	Particulate Soil Inhalation						
Semi-Volatile Organic Compounds (ug/Kg)											
1,2,4-Trichlorobenzene	9.9E+05 (DD)	1.1E+06	1.10E+06 (C)	2.80E+07	2.50E+10	2,100 U	19,000 U	210 U	210 U	2,200 U	220 U
1,2-Dichlorobenzene	2.1E+05 (C)	2.10E+05	2.10E+05 (C)	3.90E+07	1.00E+11	1,100 U	19,000 U	110 U	110 U	1,100 U	110 U
1,3-Dichlorobenzene	1.7E+05 (C)	1.70E+05	ID	ID	ID	1,100 U	19,000 U	110 U	110 U	1,100 U	110 U
1,4-Dichlorobenzene	4.0E+05	NA	19,000	77,000	4.50E+08	1,100 U	19,000 U	110 U	110 U	1,100 U	110 U
2,4,5-Trichlorophenol	2.30E+07	NA	NLV	NLV	2.30E+10	3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
2,4,6-Trichlorophenol	7.1E+05	NA	NLV	NLV	1.00E+09	3,500 U	3,600 U	350 U	350 U	3,600 U	360 U
2,4-Dichlorophenol	6.6E+05 (DD)	1.8E+06	NLV	NLV	5.10E+09	3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
2,4-Dimethylphenol	1.1E+07	NA	NLV	NLV	4.70E+09	3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
2,4-Dinitrophenol						18,000 U	73,000 U	1,800 U	1,800 U	19,000 U	1,800 U
2,4-Dinitrotoluene	48,000	NA	NLV	NLV	1.60E+07	3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
2,6-Dinitrotoluene						3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
2-Chloronaphthalene	5.70E+07	NA	ID	ID	ID	2,100 U	19,000 U	210 U	210 U	2,200 U	220 U
2-Chlorophenol	1.40E+06	1.90E+07	ID	ID	ID	3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
2-Methyl-4,6-dinitrophenol	79000	NA	NLV	NLV	ID	18,000 U	19,000 U	1,800 U	1,800 U	19,000 U	1,800 U
2-Methylnaphthalene	8.10E+06	NA	ID	ID	ID	**15,000**	19,000 U	**520**	**5,400**	2,700 U	**500**
2-Methylphenol	1.10E+07	NA	NLV	NLV	6.70E+09	3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
2-Nitroaniline						18,000 U	19,000 U	1,800 U	1,800 U	19,000 U	1,800 U
2-Nitrophenol	6.3E+05	NA	NLV	NLV	ID	3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
3/4-Methylphenol	1.10E+07	NA	NLV	NLV	6.70E+09	7,000 U	19,000 U	690 U	710 U	7,300 U	720 U
3-Nitroaniline						18,000 U	19,000 U	1,800 U	1,800 U	19,000 U	1,800 U
4-Bromophenyl-phenylether						2,100 U	19,000 U	210 U	210 U	2,200 U	220 U
4-Chloro-3-methylphenol	4.5E+06	NA	NLV	NLV	ID	3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
4-Chlorophenyl-phenylether						1,100 U	19,000 U	110 U	110 U	1,100 U	110 U
4-Nitroaniline						18,000 U	19,000 U	1,800 U	1,800 U	19,000 U	1,800 U
4-Nitrophenol						18,000 U	73,000 U	1,800 U	1,800 U	19,000 U	1,800 U
Acenaphthene	4.10E+07	NA	1.90E+08	8.10E+07	1.40E+10	**58,000**	19,000 U	**630**	**4,000**	**2,700**	**480**
Acenaphthylene	1.6E+06	NA	1.6E+06	2.20E+06	2.30E+06	1,100 U	19,000 U	110 U	110 U	1,100 U	110 U
Anthracene	2.30E+08	NA	1.00E+09 (D)	1.40E+09	6.70E+10	**16,000**	**26,000**	**1,600**	**6,100**	**10,000**	**1,200**
Azobenzene	1.40E+05	NA	6.10E+06	6.30E+05	1.00E+08	2,100 U	19,000 U	210 U	210 U	2,200 U	220 U
Benzo(a)anthracene	20,000	NA	NLV	NLV	ID	**39,000**	**120,000**	**6,100**	**8,200**	**41,000**	**5,600**
Benzo(a)pyrene	2,000	NA	NLV	NLV	1.50E+06	**19,000**	**94,000**	**5,100**	**3,800**	**24,000**	**3,600**
Benzo(b)fluoranthene	20,000	NA	ID	ID	ID	**35,000**	**160,000**	**5,900**	**6,700**	**33,000**	**5,100**

Prepared by: K. Book
Checked by: M. McGowan

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MACTEC Engineering and Consulting of Michigan, Inc.

Table TM 1-5.1
Semi-Volatile Compounds in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						F2 CS1 (CON)	F2 CS2 (CON)	F2 CS3 (CON)	F3 CS 1 (CON)	F3 CS 2 (CON)	F3 CS 3 (CON)
Sample Date:						4/28/2004	4/28/2004	4/28/2004	4/27/2004	4/27/2004	4/27/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Residential & Commercial I	Soil Saturation Concentration Screening	Volatilization to Indoor Air	Infinite Source Volatile Soil Inhalation	Particulate Soil Inhalation						
Semi-Volatile Organic Compounds (ug/Kg)											
Benzo(g,h,i)perylene	2.5E+06	NA	NLV	NLV	8.00E+08	**9,400**	**26,000**	**2,600**	**2,600**	**14,000**	**1,800**
Benzo(k)fluoranthene	2.0E+05	NA	NLV	NLV	ID	**10,000**	**68,000**	**2,400**	**2,100**	**13,000**	**1,800**
bis(2-Chloroethoxy)methane	ID	2.70E+06	NLV	NLV	ID	2,100 U	19,000 U	210 U	210 U	2,200 U	220 U
bis(2-Chloroethyl)ether	13,000	2.20E+06	8,300	3,800	9.40E+06	1,100 U	3,600 U	110 U	110 U	1,100 U	110 U
bis(2-Chloroisopropyl)ether						1,100 U	19,000 U	110 U	110 U	1,100 U	110 U
bis(2-Ethylhexyl)phthalate	2.80E+06	1.00E+07	NLV	NLV	7.00E+08	2,100 U	19,000 U	210 U	**580**	2,200 U	220 U
Butylbenzylphthalate	3.10E+05(C)	3.10E+05	NLV	NLV	4.70E+10	1,100 U	19,000 U	110 U	**210**	1,100 U	110 U
Carbazole	5.30E+05	NA	NLV	NLV	ID	3,500 U	**23,000**	**1,700**	**3,500**	**7,600**	**1,100**
Chrysene	2.00E+06	NA	ID	ID	ID	**38,000**	**140,000**	**7,200**	**8,600**	**42,000**	**6,200**
Dibenzo(a,h)anthracene	2,000	NA	NLV	NLV	ID	2,100 U	**11,000**	210 U	**1,000**	2,200 U	**720**
Dibenzofuran	ID	NA	ID	ID	ID	**39,000**	19,000 U	**1,200**	**9,900**	**4,600**	**1,100**
Diethylphthalate	7.4E+05 (C)	7.40E+05	NLV	NLV	3.30E+09	1,100 U	19,000 U	110 U	110 U	1,100 U	110 U
Dimethylphthalate	7.90E+05 (C)	7.90E+05	NLV	NLV	3.30E+09	2,100 U	19,000 U	210 U	210 U	2,200 U	220 U
Di-n-butylphthalate	7.60E+05 (C)	7.60E+05	NLV	NLV	3.30E+09	1,100 U	19,000 U	110 U	**180**	1,100 U	110 U
Di-n-octylphthalate	6.90E+06	1.40E+08	NLV	NLV	ID	2,100 U	19,000 U	210 U	210 U	2,200 U	220 U
Fluorene	2.70E+07	NA	5.80E+08	1.30E+08	9.30E+09	**29,000**	19,000 U	**250**	**5,200**	**1,900**	**260**
Fluoranthene	4.60E+07	NA	1.00E+09 (D)	7.40E+08	9.30E+09	**160,000**	**300,000**	**18,000**	**42,000**	**110,000**	**15,000**
Hexachlorobenzene	8,900	NA	41000	17000	6.80E+06	2,100 U	19,000 U	210 U	210 U	2,200 U	220 U
Hexachlorobutadiene	1.00E+05	3.50E+05	1.30E+05	1.30E+05	1.40E+08	2,100 U	19,000 U	210 U	210 U	2,200 U	220 U
Hexachlorocyclopentadiene	7.20E+05 (C)	7.20E+05	30,000	50,000	1.30E+07	21,000 U	19,000 U	2,100 U	2,100 U	22,000 U	2,200 U
Hexachloroethane	2.30E+05	NA	40,000	5.50E+05	2.30E+08	1,100 U	19,000 U	110 U	110 U	1,100 U	110 U
Indeno(1,2,3-cd)pyrene	20,000	NA	NLV	NLV	ID	**11,000**	**36,000**	**2,600**	**2,900**	**15,000**	**1,900**
Isophorone	2.4E+06 (C)	2.40E+06	NLV	NLV	1.20E+10	1,100 U	19,000 U	110 U	110 U	1,100 U	110 U
Naphthalene	1.60E+07	NA	2.50E+05	3.00E+05	2.00E+08	**6,800**	19,000 U	**520**	**5,300**	1,100 U	**830**
Nitrobenzene	1.00E+05	4.90E+05	200 (M)	200 (M)	200 (M)	2,100 U	3,600 U	210 U	210 U	2,200 U	220 U
N-Nitrosodimethyamine						3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
N-Nitroso-di-n-propylamine	1,200	1.50E+06	NLV	NLV	1.60E+06	2,100 U	19,000 U	210 U	210 U	2,200 U	220 U
N-Nitrosodiphenylamine	1.70E+06	NA	NLV	NLV	ID	2,100 U	19,000 U	210 U	**660**	2,200 U	220 U
Pentachlorophenol	3.20E+05	NA	NLV	NLV	1.30E+08	36,000 U	19,000 U	3,600 U	3,600 U	37,000 U	3,700 U
Phenanthrene	1.60E+06	NA	2.80E+06	1.60E+05	6.70E+06	**110,000**	**130,000**	**11,000**	**60,000**	**67,000**	**9,300**
Phenol	1.2E+07 (C,DD)	1.20E+07	NLV	NLV	4.00E+10	3,500 U	19,000 U	350 U	350 U	3,600 U	360 U
Pyrene	2.90E+07	NA	1.00E+09 (D)	6.50E+08	6.70E+09	**140,000**	**230,000**	**11,000**	**24,000**	**65,000**	**8,400**

Prepared by K. Book
Checked by M. McClowan

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Table TM 1-5.1
Semi-Volatile Compounds in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						F4 CS 1 (CON)	F4 CS 2 (CON)	F4 CS 3 (CON)	F5 CS 1 (CON)	F5 CS 2 (CON)	F5 CS 3 (CON)
Sample Date:						4/27/2004	4/27/2004	4/27/2004	4/27/2004	4/27/2004	4/27/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Residential & Commercial I	Soil Saturation Concentration Screening	Volatilization to Indoor Air	Infinite Source Volatile Soil Inhalation	Particulate Soil Inhalation						
Semi-Volatile Organic Compounds (ug/Kg)											
1,2,4-Trichlorobenzene	9.9E+05 (DD)	1.1E+06	1.10E+06 (C)	2.80E+07	2.50E+10	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
1,2-Dichlorobenzene	2.1E+05 (C)	2.10E+05	2.10E+05 (C)	3.90E+07	1.00E+11	1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	110 U
1,3-Dichlorobenzene	1.7E+05 (C)	1.70E+05	ID	ID	ID	1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	110 U
1,4-Dichlorobenzene	4.0E+05	NA	19,000	77,000	4.50E+08	1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	110 U
2,4,5-Trichlorophenol	2.30E+07	NA	NLV	NLV	2.30E+10	3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
2,4,6-Trichlorophenol	7.1E+05	NA	NLV	NLV	1.00E+09	3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
2,4-Dichlorophenol	6.6E+05 (DD)	1.8E+06	NLV	NLV	5.10E+09	3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
2,4-Dimethylphenol	1.1E+07	NA	NLV	NLV	4.70E+09	3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
2,4-Dinitrophenol						18,000 U	190,000 U	92,000 U	18,000 U	18,000 U	1,800 U
2,4-Dinitrotoluene	48,000	NA	NLV	NLV	1.60E+07	3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
2,6-Dinitrotoluene						3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
2-Chloronaphthalene	5.70E+07	NA	ID	ID	ID	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
2-Chlorophenol	1.40E+06	1.90E+07	ID	ID	ID	3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
2-Methyl-4,6-dinitrophenol	79000	NA	NLV	NLV	ID	18,000 U	190,000 U	92,000 U	18,000 U	18,000 U	1,800 U
2-Methylnaphthalene	8.10E+06	NA	ID	ID	ID	**3,400**	28,000 U	**25,000**	**6,600**	2,700 U	**1,500**
2-Methylphenol	1.10E+07	NA	NLV	NLV	6.70E+09	3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
2-Nitroaniline						18,000 U	190,000 U	92,000 U	18,000 U	18,000 U	1,800 U
2-Nitrophenol	6.3E+05	NA	NLV	NLV	ID	3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
3/4-Methylphenol	1.10E+07	NA	NLV	NLV	6.70E+09	7,100 U	73,000 U	36,000 U	7,100 U	7,100 U	720 U
3-Nitroaniline						18,000 U	190,000 U	92,000 U	18,000 U	18,000 U	1,800 U
4-Bromophenyl-phenylether						2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
4-Chloro-3-methylphenol	4.5E+06	NA	NLV	NLV	ID	3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
4-Chlorophenyl-phenylether						1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	110 U
4-Nitroaniline						18,000 U	190,000 U	92,000 U	18,000 U	18,000 U	1,800 U
4-Nitrophenol						18,000 U	190,000 U	92,000 U	18,000 U	18,000 U	1,800 U
Acenaphthene	4.10E+07	NA	1.90E+08	8.10E+07	1.40E+10	**5,400**	11,000 U	**150,000**	**26,000**	**4,300**	**340**
Acenaphthylene	1.6E+06	NA	1.6E+06	2.20E+06	2.30E+06	1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	110 U
Anthracene	2.30E+08	NA	1.00E+09 (D)	1.40E+09	6.70E+10	**17,000**	**27,000**	**220,000**	**44,000**	**4,900**	**700**
Azobenzene	1.40E+05	NA	6.10E+06	6.30E+05	1.00E+08	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
Benzo(a)anthracene	20,000	NA	NLV	NLV	ID	**63,000**	**76,000**	**400,000**	**81,000**	**7,100**	**2,700**
Benzo(a)pyrene	2,000	NA	NLV	NLV	1.50E+06	**37,000**	**48,000**	**350,000**	**60,000**	2,200 U	**1,800**
Benzo(b)fluoranthene	20,000	NA	ID	ID	ID	**60,000**	**82,000**	**400,000**	**93,000**	**7,200**	**3,700**

Prepared by: K. Book
Checked by: M. McGowan

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MACTEC Engineering and Consulting of Michigan, Inc.

Table TM-1-5.1
Semi-Volatile Compounds in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						F4 CS 1 (CON)	F4 CS 2 (CON)	F4 CS 3 (CON)	F5 CS 1 (CON)	F5 CS 2 (CON)	F5 CS 3 (CON)
Sample Date:						4/27/2004	4/27/2004	4/27/2004	4/27/2004	4/27/2004	4/27/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Residential & Commercial I	Soil Saturation Concentration Screening	Volatilization to Indoor Air	Infinite Source Volatile Soil Inhalation	Particulate Soil Inhalation						
Semi-Volatile Organic Compounds (ug/Kg)											
Benzo(g,h,i)perylene	2.5E+06	NA	NLV	NLV	8.00E+08	**27,000**	**30,000**	**190,000**	**40,000**	**3,400**	220 U
Benzo(k)fluoranthene	2.0E+05	NA	NLV	NLV	ID	**22,000**	**30,000**	**140,000**	**38,000**	**2,400**	220 U
bis(2-Chloroethoxy)methane	ID	2.70E+06	NLV	NLV	ID	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
bis(2-Chloroethyl)ether	13,000	2.20E+06	8,300	3,800	9.40E+06	1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	110 U
bis(2-Chloroisopropyl)ether						1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	110 U
bis(2-Ethylhexyl)phthalate	2.80E+06	1.00E+07	NLV	NLV	7.00E+08	2,200 U	22,000 U	11,000 U	**3,100**	2,200 U	**680**
Butylbenzylphthalate	3.10E+05(C)	3.10E+05	NLV	NLV	4.70E+10	1,100 U	11,000 U	5,400 U	**6,000**	1,100 U	**1,100**
Carbazole	5.30E+05	NA	NLV	NLV	ID	**21,000**	37,000 U	**140,000**	**40,000**	3,600 U	**940**
Chrysene	2.00E+06	NA	ID	ID	ID	**56,000**	**76,000**	**390,000**	**78,000**	**7,800**	**2,700**
Dibenzo(a,h)anthracene	2,000	NA	NLV	NLV	ID	**9,700**	22,000 U	**25,000**	**14,000**	2,200 U	220 U
Dibenzofuran	ID	NA	ID	ID	ID	**16,000**	**39,000**	**67,000**	**25,000**	**9,700**	**3,500**
Diethylphthalate	7.4E+05 (C)	7.40E+05	NLV	NLV	3.30E+09	1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	110 U
Dimethylphthalate	7.90E+05 (C)	7.90E+05	NLV	NLV	3.30E+09	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	**300**
Di-n-butylphthalate	7.60E+05 (C)	7.60E+05	NLV	NLV	3.30E+09	1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	**150**
Di-n-octylphthalate	6.90E+06	1.40E+08	NLV	NLV	ID	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
Fluorene	2.70E+07	NA	5.80E+08	1.30E+08	9.30E+09	**3,600**	11,000 U	**110,000**	**24,000**	**4,100**	**260**
Fluoranthene	4.60E+07	NA	1.00E+09 (D)	7.40E+08	9.30E+09	**160,000**	**240,000**	**960,000**	**270,000**	**41,000**	**7,600**
Hexachlorobenzene	8,900	NA	41000	17000	6.80E+06	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
Hexachlorobutadiene	1.00E+05	3.50E+05	1.30E+05	1.30E+05	1.40E+08	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
Hexachlorocyclopentadiene	7.20E+05 (C)	7.20E+05	30,000	50,000	1.30E+07	22,000 U	220,000 U	110,000 U	22,000 U	22,000 U	2,200 U
Hexachloroethane	2.30E+05	NA	40,000	5.50E+05	2.30E+08	1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	110 U
Indeno(1,2,3-cd)pyrene	20,000	NA	NLV	NLV	ID	**28,000**	22,000 U	**210,000**	**43,000**	**3,200**	220 U
Isophorone	2.4E+06 (C)	2.40E+06	NLV	NLV	1.20E+10	1,100 U	11,000 U	5,400 U	1,100 U	1,100 U	110 U
Naphthalene	1.60E+07	NA	2.50E+05	3.00E+05	2.00E+08	**3,700**	11,000 U	**84,000**	**7,900**	1,100 U	**1,800**
Nitrobenzene	1.00E+05	4.90E+05	200 (M)	200 (M)	200 (M)	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
N-Nitrosodimethyamine						3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
N-Nitroso-di-n-propylamine	1,200	1.50E+06	NLV	NLV	1.60E+06	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
N-Nitrosodiphenylamine	1.70E+06	NA	NLV	NLV	ID	2,200 U	22,000 U	11,000 U	2,200 U	2,200 U	220 U
Pentachlorophenol	3.20E+05	NA	NLV	NLV	1.30E+08	37,000 U	380,000 U	180,000 U	37,000 U	37,000 U	3,700 U
Phenanthrene	1.60E+06	NA	2.80E+06	1.60E+05	6.70E+06	**160,000**	**300,000**	**810,000**	**270,000**	**71,000**	**14,000**
Phenol	1.2E+07 (C,DD)	1.20E+07	NLV	NLV	4.00E+10	3,600 U	37,000 U	18,000 U	3,600 U	3,600 U	360 U
Pyrene	2.90E+07	NA	1.00E+09 (D)	6.50E+08	6.70E+09	**110,000**	**130,000**	**720,000**	**140,000**	**23,000**	**5,200**

Prepared by: K. Book
Checked by: M. McGowan

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Table 6

PCBs in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU1 SB1 (CON)	SWMU1 SB2 (CON)	SWMU1 SB3 (CON)	SWMU1 SB3 (CON)	SWMU1 SB4 (CON)	SWMU1 SB5 (CON)
Sample Date:						4/26/2004	4/26/2004	4/26/2004	4/27/2004 DUPLICATE	4/26/2004	4/26/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Polychlorinated Biphenyls (ug/kg)											
Aroclor-1016	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	120 U	100 U	530 K	100 U	100 U
Aroclor-1221	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	120 U	100 U	530 K	100 U	100 U
Aroclor-1232	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	120 U	100 U	530 K	100 U	100 U
Aroclor-1242	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	120 U	100 U	530 K	100 U	100 U
Aroclor-1248	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	120 U	100 U	530 K	100 U	100 U
Aroclor-1254	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	120 U	100 U	110 U	**90 J, T**	100 U
Aroclor-1260	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	120 U	100 U	110 U	100 U	100 U
Aroclor-1262	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	120 U	100 U	110 U	100 U	100 U
Aroclor-1268	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	120 U	100 U	110 U	100 U	100 U

Table 6
PCBs in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU1 SB6 (CON)	SWMU1 SB7 (CON)	SWMU1 SB8 (CON)	SWMU2 CS1 (CON)	SWMU2 CS2 (CON)	SWMU3 CS1 (CON)
Sample Date:						4/27/2004	4/27/2004	4/27/2004	4/28/2004	4/28/2004	4/29/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Polychlorinated Biphenyls (ug/kg)											
Aroclor-1016	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	100 U	100 U	110 U	100 U	10,000 K
Aroclor-1221	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	100 U	100 U	110 U	100 U	10,000 K
Aroclor-1232	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	100 U	100 U	110 U	100 U	10,000 K
Aroclor-1242	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	100 U	100 U	110 U	100 U	10,000 K
Aroclor-1248	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	100 U	100 U	110 U	100 U	10,000 K
Aroclor-1254	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	**190**	100 U	110 U	100 U	**11,000** D, J,
Aroclor-1260	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	100 U	100 U	110 U	100 U	10,000 K
Aroclor-1262	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	100 U	100 U	110 U	100 U	10,000 K
Aroclor-1268	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	100 U	100 U	100 U	110 U	100 U	10,000 K

Table 6
PCBs in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU4 CS1	SWMU5 CS1	SWMU5 CS1	SWMU5 CS2	SWMU5 CS2	SWMU5 CS3
						(CON)	(CON)	(CON)	(CON)	(CON)	(CON)
Sample Date:						4/28/2004	4/28/2004	4/29/2004	4/28/2004	4/29/2004	4/29/2004
								DUPLICATE		DUPLICATE	
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Polychlorinated Biphenyls (ug/kg)											
Aroclor-1016	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	110 U	520 K,1	100 U	210 K	520 K	1,200 K
Aroclor-1221	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	110 U	520 K,1	100 U	210 K	520 K	1,200 K
Aroclor-1232	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	110 U	520 K,1	100 U	210 K	520 K	1,200 K
Aroclor-1242	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	110 U	520 K,1	100 U	210 K	520 K	1,200 K
Aroclor-1248	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	110 U	520 K,1	100 U	210 K	520 K	1,200 K
Aroclor-1254	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	110 U	**1,000 D,1**	**810**	**350 D**	**850 D, JA**	1,200 K
Aroclor-1260	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	110 U	520 K,1	330 K	210 K	520 K	1,200 K
Aroclor-1262	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	110 U	520 K,1	100 U	210 K	520 K	1,200 K
Aroclor-1268	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	110 U	**1,800 D,1**	100 U	**950 D**	**1,000 D, JA**	**4,300 D 2**

Table 6

PCBs in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU5 CS3 (CON)	SWMU6 CS1 (CON)	SWMU6 CS2 (CON)	F1 CS1 (CON)	F1 CS2 (CON)	F1 CS3 (CON)
Sample Date:						4/29/2004 DUPLICATE	4/28/2004	4/28/2004	4/28/2004	4/28/2004	4/28/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Polychlorinated Biphenyls (ug/kg)											
Aroclor-1016	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	2,100 K	530 K	110 U	1,100 K	550 K	1,000 K
Aroclor-1221	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	2,100 K	530 K	110 U	1,100 K	550 K	1,000 K
Aroclor-1232	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	2,100 K	530 K	110 U	1,100 K	550 K	1,000 K
Aroclor-1242	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	2,100 K	530 K	110 U	1,100 K	550 K	1,000 K
Aroclor-1248	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	2,100 K	530 K	110 U	1,100 K	550 K	1,000 K
Aroclor-1254	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	2,100 K	**920** D	110 U	3,200 K	550 K	1,000 K
Aroclor-1260	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	2,100 K	**610** D	110 U	4,200 K	550 K	1,000 K
Aroclor-1262	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	2,100 K	530 K	110 U	3,200 K	550 K	1,000 K
Aroclor-1268	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	**9,000** D 2	530 K	110 U	1,100 K	550 K	1,000 K

Table 6
PCBs in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						F2 CS1 (CON)	F2 CS2 (CON)	F2 CS3 (CON)	F3 CS1 (CON)	F3 CS2 (CON)	F3 CS3 (CON)
Sample Date:						4/28/2004	4/28/2004	4/28/2004	4/27/2004	4/27/2004	4/27/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Polychlorinated Biphenyls (ug/kg)											
Aroclor-1016	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	530 K	540 K	550 K	540 K,1
Aroclor-1221	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1232	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1242	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1248	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1254	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1260	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1262	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1268	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	530 K	540 K	550 K	540 K, 1

Table 6

PCBs in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						F4 CS1 (CON)	F4 CS2 (CON)	F4 CS3 (CON)	F5 CS1 (CON)	F5 CS2 (CON)	F5 CS3 (CON)
Sample Date:						4/27/2004	4/27/2004	4/27/2004	4/27/2004	4/27/2004	4/27/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Polychlorinated Biphenyls (ug/kg)											
Aroclor-1016	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1221	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1232	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1242	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1248	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1254	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	540 K	1,100 K	**1,000 D**	220 K
Aroclor-1260	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1262	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1268	1,000 (T)	NA	1.60E+07	8.10E+05	6.50E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K

Table TM 1-6.1
PCBs in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU1 SB1 (CON)	SWMU1 SB2 (CON)	SWMU1 SB3 (CON)	SWMU1 SB3 (CON)	SWMU1 SB4 (CON)
Sample Date:						4/26/2004	4/26/2004	4/26/2004	4/27/2004 DUPLICATE	4/26/2004
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Polychlorinated Biphenyls (ug/kg)										
Aroclor-1016	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	120 U	100 U	530 K	100 U
Aroclor-1221	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	120 U	100 U	530 K	100 U
Aroclor-1232	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	120 U	100 U	530 K	100 U
Aroclor-1242	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	120 U	100 U	530 K	100 U
Aroclor-1248	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	120 U	100 U	530 K	100 U
Aroclor-1254	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	120 U	100 U	110 U	**90 J T**
Aroclor-1260	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	120 U	100 U	110 U	100 U
Aroclor-1262	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	120 U	100 U	110 U	100 U
Aroclor-1268	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	120 U	100 U	110 U	100 U

Table TM 1-6.1
PCBs in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU1 SB5 (CON)	SWMU1 SB6 (CON)	SWMU1 SB7 (CON)	SWMU1 SB8 (CON)	SWMU2 CS1 (CON)
Sample Date:						4/26/2004	4/27/2004	4/27/2004	4/27/2004	4/28/2004
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Polychlorinated Biphenyls (ug/kg)										
Aroclor-1016	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	100 U	100 U	100 U	110 U
Aroclor-1221	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	100 U	100 U	100 U	110 U
Aroclor-1232	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	100 U	100 U	100 U	110 U
Aroclor-1242	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	100 U	100 U	100 U	110 U
Aroclor-1248	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	100 U	100 U	100 U	110 U
Aroclor-1254	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	100 U	**190**	100 U	110 U
Aroclor-1260	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	100 U	100 U	100 U	110 U
Aroclor-1262	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	100 U	100 U	100 U	110 U
Aroclor-1268	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	100 U	100 U	100 U	110 U

Table TM 1-6.1
PCBs in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU2 CS2 (CON)	SWMU3 CS1 (CON)	SWMU4 CS1 (CON)	SWMU5 CS1 (CON)	SWMU5 CS1 (CON)
Sample Date:						4/28/2004	4/29/2004	4/28/2004	4/28/2004	4/29/2004 DUPLICATE
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Polychlorinated Biphenyls (ug/kg)										
Aroclor-1016	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	10,000 K	110 U	520 K,1	100 U
Aroclor-1221	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	10,000 K	110 U	520 K,1	100 U
Aroclor-1232	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	10,000 K	110 U	520 K,1	100 U
Aroclor-1242	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	10,000 K	110 U	520 K,1	100 U
Aroclor-1248	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	10,000 K	110 U	520 K,1	100 U
Aroclor-1254	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	**11,000 D, J, K**	110 U	**1,000 D,1**	**810**
Aroclor-1260	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	10,000 K	110 U	520 K,1	330 K
Aroclor-1262	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	10,000 K	110 U	520 K,1	100 U
Aroclor-1268	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	100 U	10,000 K	110 U	**1,800 D,1**	100 U

Table TM 1-6.1
PCBs in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU5 CS2 (CON)	SWMU5 CS2 (CON)	SWMU5 CS3 (CON)	SWMU5 CS3 (CON)	SWMU6 CS1 (CON)
Sample Date:						4/28/2004	4/29/2004 DUPLICATE	4/29/2004	4/29/2004 DUPLICATE	4/28/2004
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Polychlorinated Biphenyls (ug/kg)										
Aroclor-1016	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	210 K	520 K	1,200 K	2,100 K	530 K
Aroclor-1221	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	210 K	520 K	1,200 K	2,100 K	530 K
Aroclor-1232	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	210 K	520 K	1,200 K	2,100 K	530 K
Aroclor-1242	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	210 K	520 K	1,200 K	2,100 K	530 K
Aroclor-1248	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	210 K	520 K	1,200 K	2,100 K	530 K
Aroclor-1254	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	**350 D**	**850 D, JA**	1,200 K	2,100 K	**920 D**
Aroclor-1260	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	210 K	520 K	1,200 K	2,100 K	**610 D**
Aroclor-1262	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	210 K	520 K	1,200 K	2,100 K	530 K
Aroclor-1268	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	**950 D**	**1,000 D, JA**	**4,300 D 2**	**9,000 D 2**	530 K

Table TM 1-6.1
PCBs in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU6 CS2 (CON)	F1 CS1 (CON)	F1 CS2 (CON)	F1 CS3 (CON)	F2 CS1 (CON)
Sample Date:						4/28/2004	4/28/2004	4/28/2004	4/28/2004	4/28/2004
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Polychlorinated Biphenyls (ug/kg)										
Aroclor-1016	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	110 U	1,100 K	550 K	1,000 K	1,100 K
Aroclor-1221	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	110 U	1,100 K	550 K	1,000 K	1,100 K
Aroclor-1232	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	110 U	1,100 K	550 K	1,000 K	1,100 K
Aroclor-1242	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	110 U	1,100 K	550 K	1,000 K	1,100 K
Aroclor-1248	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	110 U	1,100 K	550 K	1,000 K	1,100 K
Aroclor-1254	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	110 U	3,200 K	550 K	1,000 K	1,100 K
Aroclor-1260	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	110 U	4,200 K	550 K	1,000 K	1,100 K
Aroclor-1262	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	110 U	3,200 K	550 K	1,000 K	1,100 K
Aroclor-1268	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	110 U	1,100 K	550 K	1,000 K	1,100 K

Table TM 1-6.1
PCBs in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						F2 CS2	F2 CS3	F3 CS1	F3 CS2	F3 CS3
Sample Date:						(CON) 4/28/2004	(CON) 4/28/2004	(CON) 4/27/2004	(CON) 4/27/2004	(CON) 4/27/2004
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Polychlorinated Biphenyls (ug/kg)										
Aroclor-1016	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	530 K	540 K	550 K	540 K,1
Aroclor-1221	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1232	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1242	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1248	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1254	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1260	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1262	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	530 K	540 K	550 K	540 K, 1
Aroclor-1268	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	530 K	540 K	550 K	540 K, 1

Table TM 1-6.1
PCBs in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						F4 CS1 (CON)	F4 CS2 (CON)	F4 CS3 (CON)	F5 CS1 (CON)	F5 CS2 (CON)	F5 CS3 (CON)
Sample Date:						4/27/2004	4/27/2004	4/27/2004	4/27/2004	4/27/2004	4/27/2004
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA										
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Polychlorinated Biphenyls (ug/kg)											
Aroclor-1016	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1221	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1232	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1242	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1248	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1254	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	1,100 K	540 K	1,100 K	**1,000 D**	220 K
Aroclor-1260	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1262	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K
Aroclor-1268	1,000 (T)	NA	3.00E+06	2.40E+05	5.20E+06	1,100 K	1,100 K	540 K	1,100 K	540 K	220 K

Table TM 1-7
Metals in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU1 SB1 (CON)	SWMU1 SB2 (CON)	SWMU1 SB3 (CON)	SWMU1 SB3 (CON)	SWMU1 SB4 (CON)	SWMU1 SB5 (CON)
Sample Date:						4/26/2004	4/26/2004	4/26/2004	4/27/2004	4/26/2004	4/26/2004
									DUPLICATE		
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Metals (mg/kg)											
Arsenic	37	NA	NLV	NLV	910	**3.8**	**3.8**	**4.0**	**3.9**	**4.9**	**4.4**
Selenium	9,600	NA	NLV	NLV	59,000	**1.3**	**0.8**	**0.6**	**1.0**	0.5 U	0.5 U
Silver	9,000	NA	NLV	NLV	2,900	**11**	**13**	**7.1**	**2.2**	**25**	**58**
Mercury	580	NA	89	62	8,800	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Barium	130,000	NA	NLV	NLV	150,000	**220**	**140**	**92**	**140**	**41**	**42**
Cadmium	2,100	NA	NLV	NLV	2,200	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chromium	9,200	NA	NLV	NLV	240	**14**	**16**	**16**	**15**	**17**	**16**
Copper	73,000	NA	NLV	NLV	59,000	**22**	**21**	**16**	**14**	**36**	**59**
Lead	900 (DD)	NA	NLV	NLV	44,000	**12**	5 U	5 U	**15**	5 U	5 U
Zinc	630,000	NA	NLV	NLV	ID	**34**	**30**	**27**	**26**	**44**	**65**

Table TM 1-7
Metals in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU1 SB6 (CON)	SWMU1 SB7 (CON)	SWMU1 SB8 (CON)	SWMU2 CS1 (CON)	SWMU2 CS2 (CON)	SWMU3 CS1 (CON)
Sample Date:						4/27/2004	4/27/2004	4/27/2004	4/28/2004	4/28/2004	4/29/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Metals (mg/kg)											
Arsenic	37	NA	NLV	NLV	910	**4.4**	**9.2**	**4.0**	**3.7**	**3.9**	**4.1**
Selenium	9,600	NA	NLV	NLV	59,000	0.5 U	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U
Silver	9,000	NA	NLV	NLV	2,900	**6.2**	**25**	**3.0**	0.25 U	0.25 U	**0.60**
Mercury	580	NA	89	62	8,800	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.78**
Barium	130,000	NA	NLV	NLV	150,000	**41**	**46**	**140**	**78**	**340**	**1,300**
Cadmium	2,100	NA	NLV	NLV	2,200	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**9.8**
Chromium	9,200	NA	NLV	NLV	240	**17**	**19**	**17**	**12**	**17**	**90**
Copper	73,000	NA	NLV	NLV	59,000	**25**	**43**	**12**	**12**	**22**	**97**
Lead	900 (DD)	NA	NLV	NLV	44,000	**5.8**	**11**	**7.2**	**12**	**7.5**	**730**
Zinc	630,000	NA	NLV	NLV	ID	**32**	**53**	**22**	**59**	**140**	**6,800**

Table TM 1-7
Metals in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU4 CS1	SWMU5 CS1	SWMU5 CS1	SWMU5 CS2	SWMU5 CS2	SWMU5 CS3
						(CON)	(CON)	(CON)	(CON)	(CON)	(CON)
Sample Date:						4/28/2004	4/28/2004	4/29/2004	4/28/2004	4/29/2004	4/29/2004
								DUPLICATE		DUPLICATE	
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Metals (mg/kg)											
Arsenic	37	NA	NLV	NLV	910	**4.2**	**3.8**	**3.4**	**3.2**	**4.7**	**4.0**
Selenium	9,600	NA	NLV	NLV	59,000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	9,000	NA	NLV	NLV	2,900	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Mercury	580	NA	89	62	8,800	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.37**
Barium	130,000	NA	NLV	NLV	150,000	**180**	**62**	**79**	**48**	**65**	**130**
Cadmium	2,100	NA	NLV	NLV	2,200	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**3.0**
Chromium	9,200	NA	NLV	NLV	240	**16**	**29**	**16**	**29**	**37**	**83**
Copper	73,000	NA	NLV	NLV	59,000	**11**	**28**	**13**	**21**	**21**	**170**
Lead	900 (DD)	NA	NLV	NLV	44,000	**14**	**110**	**36**	**140**	**180**	**370**
Zinc	630,000	NA	NLV	NLV	ID	**170**	**76**	**80**	**75**	**110**	**500**

Table TM 1-7
Metals in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU5 CS3 (CON)	SWMU6 CS1 (CON)	SWMU6 CS2 (CON)	F1 CS1 (CON)	F1 CS2 (CON)	F1 CS3 (CON)
Sample Date:						4/29/2004	4/28/2004	4/28/2004	4/28/2004	4/28/2004	4/28/2004
						DUPLICATE					
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA										
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria						
Metals (mg/kg)											
Arsenic	37	NA	NLV	NLV	910	**3.9**	**6.2**	**4.5**	**5.5**	**1.2**	**4.2**
Selenium	9,600	NA	NLV	NLV	59,000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	9,000	NA	NLV	NLV	2,900	0.25 U	**0.3**	0.25 U	**0.3**	0.25 U	0.25 U
Mercury	580	NA	89	62	8,800	**0.27**	0.05 U	0.05 U	**0.35**	0.05 U	0.05 U
Barium	130,000	NA	NLV	NLV	150,000	**160**	**96**	**28**	**960**	**93**	**53**
Cadmium	2,100	NA	NLV	NLV	2,200	**4.2**	**3.2**	2.0 U	**2.7**	2.0 U	2.0 U
Chromium	9,200	NA	NLV	NLV	240	**110**	**55**	**14**	**63**	**10**	**19**
Copper	73,000	NA	NLV	NLV	59,000	**97**	**170**	**29**	**370**	**19**	**22**
Lead	900 (DD)	NA	NLV	NLV	44,000	**480**	**300**	**28**	**340**	**31**	**22**
Zinc	630,000	NA	NLV	NLV	ID	**660**	**290**	**31**	**1500**	**120**	**63**

Table TM 1-7
Metals in Concrete (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						F2 CS1 (CON)	F2 CS2 (CON)	F2 CS3 (CON)
Sample Date:						4/28/2004	4/28/2004	4/28/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA							
	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria			
Metals (mg/kg)								
Arsenic	37	NA	NLV	NLV	910	**3.5**	**5.4**	**4.2**
Selenium	9,600	NA	NLV	NLV	59,000	0.5 U	0.5 U	0.5 U
Silver	9,000	NA	NLV	NLV	2,900	0.25 U	0.25 U	0.25 U
Mercury	580	NA	89	62	8,800	**0.16**	**0.49**	0.05 U
Barium	130,000	NA	NLV	NLV	150,000	**310**	**190**	**85**
Cadmium	2,100	NA	NLV	NLV	2,200	2.0 U	2.0 U	2.0 U
Chromium	9,200	NA	NLV	NLV	240	**31**	**27**	**13**
Copper	73,000	NA	NLV	NLV	59,000	**160**	**120**	**39**
Lead	900 (DD)	NA	NLV	NLV	44,000	**220**	**620**	**320**
Zinc	630,000	NA	NLV	NLV	ID	**290**	**170**	**71**

Table TM 1-7.1
Metals in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU1 SB1 (CON)	SWMU1 SB2 (CON)	SWMU1 SB3 (CON)	SWMU1 SB3 (CON)	SWMU1 SB4 (CON)
Sample Date:						4/26/2004	4/26/2004	4/26/2004	4/27/2004 DUPLICATE	4/26/2004
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Metals (mg/kg)										
Arsenic	7.6	NA	NLV	NLV	720	**3.8**	**3.8**	**4.0**	**3.9**	**4.9**
Selenium	2,600	NA	NLV	NLV	130,000	**1.3**	**0.8**	**0.6**	**1.0**	0.5 U
Silver	2,500	NA	NLV	NLV	6,700	**11**	**13**	**7.1**	**2.2**	**25**
Mercury	160	NA	48	52	20,000	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Barium	37,000	NA	NLV	NLV	330,000	**220**	**140**	**92**	**140**	**41**
Cadmium	550	NA	NLV	NLV	1,700	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chromium	2,500	NA	NLV	NLV	260	**14**	**16**	**16**	**15**	**17**
Copper	20,000	NA	NLV	NLV	130,000	**22**	**21**	**16**	**14**	**36**
Lead	400	NA	NLV	NLV	100,000	**12**	5 U	5 U	15	5 U
Zinc	170,000	NA	NLV	NLV	ID	**34**	**30**	**27**	**26**	**44**

Table TM 1-7.1
Metals in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU1 SB5 (CON)	SWMU1 SB6 (CON)	SWMU1 SB7 (CON)	SWMU1 SB8 (CON)	SWMU2 CS1 (CON)
Sample Date:						4/26/2004	4/27/2004	4/27/2004	4/27/2004	4/28/2004
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Metals (mg/kg)										
Arsenic	7.6	NA	NLV	NLV	720	**4.4**	**4.4**	**9.2**	**4.0**	**3.7**
Selenium	2,600	NA	NLV	NLV	130,000	0.5 U	0.5 U	0.5 U	**0.8**	0.5 U
Silver	2,500	NA	NLV	NLV	6,700	**58**	**6.2**	**25**	**3.0**	0.25 U
Mercury	160	NA	48	52	20,000	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Barium	37,000	NA	NLV	NLV	330,000	**42**	**41**	**46**	**140**	**78**
Cadmium	550	NA	NLV	NLV	1,700	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chromium	2,500	NA	NLV	NLV	260	**16**	**17**	**19**	**17**	**12**
Copper	20,000	NA	NLV	NLV	130,000	**59**	**25**	**43**	**12**	**12**
Lead	400	NA	NLV	NLV	100,000	5 U	**5.8**	**11**	**7.2**	**12**
Zinc	170,000	NA	NLV	NLV	ID	**65**	**32**	**53**	**22**	**59**

Table TM 1-7.1
Metals in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU2 CS2 (CON)	SWMU3 CS1 (CON)	SWMU4 CS1 (CON)	SWMU5 CS1 (CON)	SWMU5 CS1 (CON)
Sample Date:						4/28/2004	4/29/2004	4/28/2004	4/28/2004	4/29/2004 DUPLICATE
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Metals (mg/kg)										
Arsenic	7.6	NA	NLV	NLV	720	**3.9**	**4.1**	**4.2**	**3.8**	**3.4**
Selenium	2,600	NA	NLV	NLV	130,000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	2,500	NA	NLV	NLV	6,700	0.25 U	**0.60**	0.25 U	0.25 U	0.25 U
Mercury	160	NA	48	52	20,000	0.05 U	**0.78**	0.05 U	0.05 U	0.05 U
Barium	37,000	NA	NLV	NLV	330,000	**340**	**1,300**	**180**	**62**	**79**
Cadmium	550	NA	NLV	NLV	1,700	2.0 U	**9.8**	2.0 U	2.0 U	2.0 U
Chromium	2,500	NA	NLV	NLV	260	**17**	**90**	**16**	**29**	**16**
Copper	20,000	NA	NLV	NLV	130,000	**22**	**97**	**11**	**28**	**13**
Lead	400	NA	NLV	NLV	100,000	**7.5**	**730**	**14**	**110**	**36**
Zinc	170,000	NA	NLV	NLV	ID	**140**	**6,800**	**170**	**76**	**80**

Table TM 1-7.1
Metals in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU5 CS2	SWMU5 CS2	SWMU5 CS3	SWMU5 CS3	SWMU6 CS1
						(CON)	(CON)	(CON)	(CON)	(CON)
Sample Date:						4/28/2004	4/29/2004	4/29/2004	4/29/2004	4/28/2004
							DUPLICATE		DUPLICATE	
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Metals (mg/kg)										
Arsenic	7.6	NA	NLV	NLV	720	**3.2**	**4.7**	**4.0**	**3.9**	**6.2**
Selenium	2,600	NA	NLV	NLV	130,000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	2,500	NA	NLV	NLV	6,700	0.25 U	0.25 U	0.25 U	0.25 U	**0.3**
Mercury	160	NA	48	52	20,000	0.05 U	0.05 U	**0.37**	**0.27**	0.05 U
Barium	37,000	NA	NLV	NLV	330,000	**48**	**65**	**130**	**160**	**96**
Cadmium	550	NA	NLV	NLV	1,700	2.0 U	2.0 U	**3.0**	**4.2**	**3.2**
Chromium	2,500	NA	NLV	NLV	260	**29**	**37**	**83**	**110**	**55**
Copper	20,000	NA	NLV	NLV	130,000	**21**	**21**	**170**	**97**	**170**
Lead	400	NA	NLV	NLV	100,000	**140**	**180**	**370**	**480**	**300**
Zinc	170,000	NA	NLV	NLV	ID	**75**	**110**	**500**	**660**	**290**

Table TM 1-7.1
Metals in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						SWMU6 CS2 (CON)	F1 CS1 (CON)	F1 CS2 (CON)	F1 CS3 (CON)	F2 CS1 (CON)
Sample Date:						4/28/2004	4/28/2004	4/28/2004	4/28/2004	4/28/2004
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA									
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria					
Metals (mg/kg)										
Arsenic	7.6	NA	NLV	NLV	720	**4.5**	**5.5**	**1.2**	**4.2**	**3.5**
Selenium	2,600	NA	NLV	NLV	130,000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	2,500	NA	NLV	NLV	6,700	0.25 U	**0.3**	0.25 U	0.25 U	0.25 U
Mercury	160	NA	48	52	20,000	0.05 U	**0.35**	0.05 U	0.05 U	**0.16**
Barium	37,000	NA	NLV	NLV	330,000	**28**	**960**	**93**	**53**	**310**
Cadmium	550	NA	NLV	NLV	1,700	2.0 U	**2.7**	2.0 U	2.0 U	2.0 U
Chromium	2,500	NA	NLV	NLV	260	**14**	**63**	**10**	**19**	**31**
Copper	20,000	NA	NLV	NLV	130,000	**29**	**370**	**19**	**22**	**160**
Lead	400	NA	NLV	NLV	100,000	**28**	**340**	**31**	**22**	**220**
Zinc	170,000	NA	NLV	NLV	ID	**31**	**1500**	**120**	**63**	**290**

Table TM 1-7.1
Metals in Concrete (Residential Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:						F2 CS2 (CON)	F2 CS3 (CON)
Sample Date:						4/28/2004	4/28/2004
	MDEQ PART 201 RESIDENTIAL CLEANUP CRITERIA						
	Direct Contact Residential & Commercial I	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria		
Metals (mg/kg)							
Arsenic	7.6	NA	NLV	NLV	720	**5.4**	**4.2**
Selenium	2,600	NA	NLV	NLV	130,000	0.5 U	0.5 U
Silver	2,500	NA	NLV	NLV	6,700	0.25 U	0.25 U
Mercury	160	NA	48	52	20,000	**0.49**	0.05 U
Barium	37,000	NA	NLV	NLV	330,000	**190**	**85**
Cadmium	550	NA	NLV	NLV	1,700	2.0 U	2.0 U
Chromium	2,500	NA	NLV	NLV	260	**27**	**13**
Copper	20,000	NA	NLV	NLV	130,000	**120**	**39**
Lead	400	NA	NLV	NLV	100,000	**620**	**320**
Zinc	170,000	NA	NLV	NLV	ID	**170**	**71**

Table TM 1-8
Volatile Organic Compounds in Soil/Sediment (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:							UST SB1 (0-2)	UST SB1 (6-8)	UST SB2 (2-4)
Sample Date:							4/26/2004	4/26/2004	4/28/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA								
	Groundwater Contact Protection Criteria	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria			
Volatile Organic Compounds (ug/Kg)									
1,1,1,2-Tetrachloroethane	4.4E+05 (C)	4.4E+05 (C)	4.40E+05	33,000	1.20E+05	5.30E+08	59 U	61 U	59 U
1,1,1-Trichloroethane	4.6E+05 (C)	4.6E+05 (C)	4.60E+05	4.60E+05	4.50E+06	2.90E+10	59 U	61 U	59 U
1,1,2,2-Tetrachloroethane	94,000	2.40E+05	8.70E+05	23,000	34,000	6.80E+07	59 U	61 U	59 U
1,1,2-Trichloroethane	4.20E+05	8.40E+05	9.20E+05	24,000	57,000	2.50E+08	59 U	61 U	59 U
1,1-Dichloroethane	8.9E+05 (C)	8.9E+05 (C)	8.90E+05	4.30E+05	2.50E+06	1.50E+10	59 U	61 U	59 U
1,1-Dichloroethylene	2.20E+05	5.7E+05 (C)	5.70E+05	330	3,700	7.80E+07	59 U	61 U	59 U
1,2,3-Trichlorobenzene							300 U	310 U	300 U
1,2,3-Trichloropropane	8.3E+05 (C)	8.3E+05 (C)	8.30E+05	ID	ID	ID	59 U	61 U	59 U
1,2,4-Trichlorobenzene	1.10E+06	1.1E+06 (C,DD)	1.10E+06	1.1E+06 (C)	3.40E+07	1.10E+10	300 U	310 U	300 U
1,2,4-Trimethylbenzene	1.1E+05 (C)	1.1E+05 (C)	1.10E+05	1.1E+05 (C)	2.50E+07	3.60E+10	59 U	61 U	59 U
1,2-Dibromo-3-chloropropane	1,200	1,200 (C)	1,200	1,200 (C)	15,000	5.90E+06	300 U	310 U	300 U
1,2-Dibromoethane	2.0E+06 (C)	2.0E+06 (C)	2.00E+06	ID	ID	ID	59 U	61 U	59 U
1,2-Dichlorobenzene	2.1E+05 (C)	2.1E+05 (C)	2.10E+05	2.1E+05 (C)	4.60E+07	4.40E+10	59 U	61 U	59 U
1,2-Dichloroethane	3.80E+05	4.20E+05	1.20E+06	11,000	21,000	1.50E+08	59 U	61 U	59 U
1,2-Dichloropropane	3.20E+05	5.5E+05 (C)	5.50E+05	7,400	30,000	1.20E+08	59 U	61 U	59 U
1,3,5-Trimethylbenzene	94,000 (C)	94,000 (C)	94,000	94,000 (C)	1.90E+07	3.60E+10	59 U	61 U	59 U
1,3-Dichlorobenzene	51,000	1.7E+05 (C)	1.70E+05	ID	ID	ID	59 U	61 U	59 U
1,4-Dichlorobenzene	1.40E+05	1.90E+06	NA	1.00E+05	2.60E+05	5.70E+08	59 U	61 U	59 U
2-Butanone (MEK)	2.7E+07 (C)	2.7E+07 (C,DD)	2.7E+07	2.7E+07 (C)	3.5E+07	2.90E+10	300 U	310 U	300 U
2-Hexanone	2.5E+06 (C)	2.5E+06 (C)	2.50E+06	1.80E+06	1.30E+06	1.20E+09	300 U	310 U	300 U
2-Methylnaphthalene	5.50E+06	8.10E+06	NA	ID	ID	ID	300 U	310 X, U	300 X, U
2-Propanone (acetone)	1.1E+08 (C)	7.3E+07	1.1E+08	1.1E+08 (C)	1.60E+08	1.70E+11	1200 U	1200 U	1200 U
4-Methyl-2-pentanone (MIBK)	2.7E+06 (C)	2.7E+06 (C)	2.70E+06	2.7E+06 (C)	5.30E+07	6.00E+10	300 U	310 U	300 U
Acrylonitrile	2.80E+05	74,000	8.30E+06	35,000	17,000	5.80E+07	300 U	310 U	300 U
Benzene	2.20E+05	4.0E+05 (C)	4.00E+05	8.40E+03	4.50E+04	4.7E+08	59 U	61 U	59 U
Bromobenzene	3.60E+05	7.6E+05 (C)	7.60E+05	5.80E+05	5.40E+05	2.40E+08	59 U	61 U	59 U
Bromochloromethane							59 U	61 U	59 U
Bromodichloromethane	2.80E+05	4.90E+05	1.50E+06	6,400	31,000	1.10E+08	59 U	61 U	59 U
Bromoform	8.7E+05 (C)	8.7E+05 (C)	8.70E+05	7.70E+05	3.10E+06	3.60E+09	59 U	61 U	59 U
Bromomethane	1.40E+06	1.00E+06	2.20E+06	1,600	13,000	1.50E+08	300 U	310 U	300 U
Carbon disulfide	2.8E+05 (C)	2.8E+05 (C,DD)	2.80E+05	1.40E+05	1.60E+06	2.10E+10	59 U	61 U	59 U
Carbon tetrachloride	92,000	3.9E+05 (C)	3.90E+05	990	12,000	1.70E+08	59 U	61 U	59 U

Table TM 1-8
Volatile Organic Compounds in Soil/Sediment (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:							UST SB1 (0-2)	UST SB1 (6-8)	UST SB2 (2-4)
Sample Date:							4/26/2004	4/26/2004	4/28/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA								
	Groundwater Contact Protection Criteria	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria			
Volatile Organic Compounds (ug/Kg)									
Chlorobenzene	2.6E+05 (C)	2.6E+05 (C)	2.60E+05	2.20E+05	9.20E+05	2.10E+09	59 U	61 U	59 U
Chloroethane	9.5E+05 (C)	9.5E+05 (C)	9.50E+05	9.5E+05 (C)	3.60E+07	2.90E+11	300 U	310 U	300 U
Chloroform	1.5E+06 (C)	1.5E+06 (C)	1.50E+06	38,000	1.50E+05	1.6E+09	59 U	61 U	59 U
Chloromethane	1.1E+06 (C)	1.1E+06 (C)	1.10E+06	10,000	1.20E+05	2.60E+09	300 U	310 U	300 U
cis-1,2-Dichloroethylene	6.4E+05 (C)	6.4E+05 (C)	6.40E+05	4.10E+04	2.10E+05	1.0E+09	59 U	61 U	59 U
cis-1,3-Dichloropropylene							59 U	61 U	59 U
Dibromochloromethane	3.60E+05	5.00E+05	6.10E+05	21,000	80,000	1.60E+08	59 U	61 U	59 U
Dibromomethane	2.0E+06 (C)	2.0E+06 (C)	2.00E+06	ID	ID	ID	59 U	61 U	59 U
Dichlorodifluoromethane	1.0E+06 (C)	1.0E+06 (C)	1.00E+06	1.70E+06	6.30E+07	1.50E+12	300 U	310 U	300 U
Diethyl ether	7.4E+06 (C)	7.4E+06 (C)	7.40E+06	7.4E+06 (C)	1.00E+08	3.50E+11	300 U	310 U	300 U
Ethylbenzene	1.4E+05 (C)	1.4E+05 (C)	1.40E+05	1.4E+05 (C)	2.40E+06	1.30E+10	59 U	61 U	59 U
Hexachloroethane	1.10E+05	7.30E+05	NA	79,000	6.60E+05	1.00E+08	300 U	310 U	300 U
Isopropylbenzene	3.9E+05 (C)	3.9E+05 (C)	3.90E+05	3.9E+05 (C)	2.00E+06	2.60E+09	59 U	61 U	59 U
M&PXylene	1.5E+05 (C)	1.5E+05 (C)	1.50E+05	1.5E+05 (C)	5.40E+07	1.30E+11	120 U	120 U	120 U
Methyl iodide							59 U	61 U	59 U
Methylene chloride	2.3E+06 (C)	2.3E+06 (C)	2.30E+06	2.40E+05	7.00E+05	8.30E+09	300 U	310 U	300 U
Methyltertiarybutylether	5.9E+06 (C)	5.9E+06 (C)	5.90E+06	5.9E+06 (C)	3.00E+07	8.80E+10	59 U	61 U	59 U
Naphthalene	2.10E+06	5.20E+07	NA	4.70E+05	3.50E+05	8.8E+07	300 U	310 X, U	300 X, U
n-Butylbenzene	1.20E+05	8.00E+06	1.00E+07	ID	ID	ID	59 U	61 U	59 U
n-Propylbenzene	3.00E+05	8.00E+06	1.00E+07	ID	ID	ID	59 U	61 U	59 U
o-Xylene	1.5E+05 (C)	1.5E+05 (C)	1.50E+05	1.5E+05 (C)	5.40E+07	1.30E+11	59 U	61 U	59 U
p-Isopropyl toluene							59 U	61 U	59 U
sec-Butylbenzene	88,000	8.00E+06	1.00E+07	ID	ID	ID	59 U	61 U	59 U
Styrene	2.70E+05	5.2E+ 05 (C)	5.20E+05	5.2E+05(C)	3.30E+06	6.90E+09	59 U	61 U	59 U
tert-Butylbenzene	1.80E+05	8.00E+06	1.00E+07	ID	ID	ID	59 U	61 U	59 U
Tetrachloroethylene	88,000 (C)	88,000 (C)	88,000	60,000	6.00E+05	6.80E+09	59 U	61 U	59 U
Tetrahydrofuran	3.20E+07	9.50E+06	1.20E+08	2.40E+06	1.50E+07	1.70E+11	300 U	310 U	300 U
Toluene	2.5E+05 (C)	2.5E+05 (C)	2.50E+05	2.5E5 (C)	3.30E+06	1.20E+10	59 U	61 U	59 U
trans-1,2-Dichloroethylene	1.4E+06 (C)	1.4E+06 (C)	1,400,000	4.30E+04	3.30E+05	2.10E+09	59 U	61 U	59 U
trans-1,3-Dichloropropylene							59 U	61 U	59 U
trans-1,4-Dichloro-2-butene							300 U	310 U	300 U
Trichloroethylene	4.40E+05	5.0E+05 (C,DD)	5.00E+05	37,000	2.60E+05	2.30E+09	59 U	61 U	59 U
Trichlorofluoromethane	5.6E+05 (C)	5.6E+05 (C)	5.60E+05	5.6E+05 (C)	1.10E+08	1.70E+12	59 U	61 U	59 U
Vinyl chloride	20,000	34,000	4.90E+05	2,800	29,000	8.90E+08	47 U	49 U	47 U

Table TM 1-8
Volatile Organic Compounds in Soil/Sediment (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:							UST SB2 (4-6)	UST SB2 (9-11)	UST SB3 (4-6)
Sample Date:							4/26/2004 Duplicate	4/26/2004	4/28/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA								
	Groundwater Contact Protection Criteria	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria			
Volatile Organic Compounds (ug/Kg)									
1,1,1,2-Tetrachloroethane	4.4E+05 (C)	4.4E+05 (C)	4.40E+05	33,000	1.20E+05	5.30E+08	62 U	60 U	61 U
1,1,1-Trichloroethane	4.6E+05 (C)	4.6E+05 (C)	4.60E+05	4.60E+05	4.50E+06	2.90E+10	62 U	60 U	61 U
1,1,2,2-Tetrachloroethane	94,000	2.40E+05	8.70E+05	23,000	34,000	6.80E+07	62 U	60 U	61 U
1,1,2-Trichloroethane	4.20E+05	8.40E+05	9.20E+05	24,000	57,000	2.50E+08	62 U	60 U	61 U
1,1-Dichloroethane	8.9E+05 (C)	8.9E+05 (C)	8.90E+05	4.30E+05	2.50E+06	1.50E+10	62 U	60 U	61 U
1,1-Dichloroethylene	2.20E+05	5.7E+05 (C)	5.70E+05	330	3,700	7.80E+07	62 U	60 U	61 U
1,2,3-Trichlorobenzene							310 U	300 U	310 U
1,2,3-Trichloropropane	8.3E+05 (C)	8.3E+05 (C)	8.30E+05	ID	ID	ID	62 U	60 U	61 U
1,2,4-Trichlorobenzene	1.10E+06	1.1E+06 (C,DD)	1.10E+06	1.1E+06 (C)	3.40E+07	1.10E+10	310 U	300 U	310 U
1,2,4-Trimethylbenzene	1.1E+05 (C)	1.1E+05 (C)	1.10E+05	1.1E+05 (C)	2.50E+07	3.60E+10	**140**	**300**	**63**
1,2-Dibromo-3-chloropropane	1,200	1,200 (C)	1,200	1,200 (C)	15,000	5.90E+06	310 U	300 U	310 U
1,2-Dibromoethane	2.0E+06 (C)	2.0E+06 (C)	2.00E+06	ID	ID	ID	62 U	60 U	61 U
1,2-Dichlorobenzene	2.1E+05 (C)	2.1E+05 (C)	2.10E+05	2.1E+05 (C)	4.60E+07	4.40E+10	62 U	60 U	61 U
1,2-Dichloroethane	3.80E+05	4.20E+05	1.20E+06	11,000	21,000	1.50E+08	62 U	60 U	61 U
1,2-Dichloropropane	3.20E+05	5.5E+05 (C)	5.50E+05	7,400	30,000	1.20E+08	62 U	60 U	61 U
1,3,5-Trimethylbenzene	94,000 (C)	94,000 (C)	94,000	94,000 (C)	1.90E+07	3.60E+10	62 U	**120**	61 U
1,3-Dichlorobenzene	51,000	1.7E+05 (C)	1.70E+05	ID	ID	ID	62 U	60 U	61 U
1,4-Dichlorobenzene	1.40E+05	1.90E+06	NA	1.00E+05	2.60E+05	5.70E+08	62 U	60 U	61 U
2-Butanone (MEK)	2.7E+07 (C)	2.7E+07 (C,DD)	2.7E+07	2.7E+07 (C)	3.5E+07	2.90E+10	310 U	300 U	310 U
2-Hexanone	2.5E+06 (C)	2.5E+06 (C)	2.50E+06	1.80E+06	1.30E+06	1.20E+09	310 U	300 U	310 U
2-Methylnaphthalene	5.50E+06	8.10E+06	NA	ID	ID	ID	310 X, U	300 X, U	310 X,U
2-Propanone (acetone)	1.1E+08 (C)	7.3E+07	1.1E+08	1.1E+08 (C)	1.60E+08	1.70E+11	1200 U	1200 U	1200 U
4-Methyl-2-pentanone (MIBK)	2.7E+06 (C)	2.7E+06 (C)	2.70E+06	2.7E+06 (C)	5.30E+07	6.00E+10	310 U	300 U	310 U
Acrylonitrile	2.80E+05	74,000	8.30E+06	35,000	17,000	5.80E+07	310 U	300 U	310 U
Benzene	2.20E+05	4.0E+05 (C)	4.00E+05	8.40E+03	4.50E+04	4.7E+08	62 U	60 U	61 U
Bromobenzene	3.60E+05	7.6E+05 (C)	7.60E+05	5.80E+05	5.40E+05	2.40E+08	62 U	60 U	61 U
Bromochloromethane							62 U	60 U	61 U
Bromodichloromethane	2.80E+05	4.90E+05	1.50E+06	6,400	31,000	1.10E+08	62 U	60 U	61 U
Bromoform	8.7E+05 (C)	8.7E+05 (C)	8.70E+05	7.70E+05	3.10E+06	3.60E+09	62 U	60 U	61 U
Bromomethane	1.40E+06	1.00E+06	2.20E+06	1,600	13,000	1.50E+08	310 U	300 U	310 U
Carbon disulfide	2.8E+05 (C)	2.8E+05 (C,DD)	2.80E+05	1.40E+05	1.60E+06	2.10E+10	62 U	60 U	61 U
Carbon tetrachloride	92,000	3.9E+05 (C)	3.90E+05	990	12,000	1.70E+08	62 U	60 U	61 U

Table TM 1-8

Volatile Organic Compounds in Soil/Sediment (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA						UST SB2 (4-6)	UST SB2 (9-11)	UST SB3 (4-6)
Sample Date:							4/26/2004 Duplicate	4/26/2004	4/28/2004
	Groundwater Contact Protection Criteria	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria			
Volatile Organic Compounds (ug/Kg)									
Chlorobenzene	2.6E+05 (C)	2.6E+05 (C)	2.60E+05	2.20E+05	9.20E+05	2.10E+09	62 U	60 U	61 U
Chloroethane	9.5E+05 (C)	9.5E+05 (C)	9.50E+05	9.5E+05 (C)	3.60E+07	2.90E+11	310 U	300 U	310 U
Chloroform	1.5E+06 (C)	1.5E+06 (C)	1.50E+06	38,000	1.50E+05	1.6E+09	62 U	60 U	61 U
Chloromethane	1.1E+06 (C)	1.1E+06 (C)	1.10E+06	10,000	1.20E+05	2.60E+09	310 U	300 U	310 U
cis-1,2-Dichloroethylene	6.4E+05 (C)	6.4E+05 (C)	6.40E+05	4.10E+04	2.10E+05	1.0E+09	62 U	60 U	61 U
cis-1,3-Dichloropropylene							62 U	60 U	61 U
Dibromochloromethane	3.60E+05	5.00E+05	6.10E+05	21,000	80,000	1.60E+08	62 U	60 U	61 U
Dibromomethane	2.0E+06 (C)	2.0E+06 (C)	2.00E+06	ID	ID	ID	62 U	60 U	61 U
Dichlorodifluoromethane	1.0E+06 (C)	1.0E+06 (C)	1.00E+06	1.70E+06	6.30E+07	1.50E+12	310 U	300 U	310 U
Diethyl ether	7.4E+06 (C)	7.4E+06 (C)	7.40E+06	7.4E+06 (C)	1.00E+08	3.50E+11	310 U	300 U	310 U
Ethylbenzene	1.4E+05 (C)	1.4E+05 (C)	1.40E+05	1.4E+05 (C)	2.40E+06	1.30E+10	62 U	**98**	61 U
Hexachloroethane	1.10E+05	7.30E+05	NA	79,000	6.60E+05	1.00E+08	310 U	300 U	310 U
Isopropylbenzene	3.9E+05 (C)	3.9E+05 (C)	3.90E+05	3.9E+05 (C)	2.00E+06	2.60E+09	**540**	60 U	61 U
M&PXylene	1.5E+05 (C)	1.5E+05 (C)	1.50E+05	1.5E+05 (C)	5.40E+07	1.30E+11	120 U	120 U	120 U
Methyl iodide							62 U	60 U	61 U
Methylene chloride	2.3E+06 (C)	2.3E+06 (C)	2.30E+06	2.40E+05	7.00E+05	8.30E+09	310 U	300 U	310 U
Methyltertiarybutylether	5.9E+06 (C)	5.9E+06 (C)	5.90E+06	5.9E+06 (C)	3.00E+07	8.80E+10	62 U	60 U	61 U
Naphthalene	2.10E+06	5.20E+07	NA	4.70E+05	3.50E+05	8.8E+07	**590**	300 X, U	310 X, U
n-Butylbenzene	1.20E+05	8.00E+06	1.00E+07	ID	ID	ID	**170**	60 U	61 U
n-Propylbenzene	3.00E+05	8.00E+06	1.00E+07	ID	ID	ID	**1500**	**74**	61 U
o-Xylene	1.5E+05 (C)	1.5E+05 (C)	1.50E+05	1.5E+05 (C)	5.40E+07	1.30E+11	62 U	60 U	61 U
p-Isopropyl toluene							62 U	60 U	61 U
sec-Butylbenzene	88,000	8.00E+06	1.00E+07	ID	ID	ID	**93**	60 U	61 U
Styrene	2.70E+05	5.2E+ 05 (C)	5.20E+05	5.2E+05(C)	3.30E+06	6.90E+09	62 U	60 U	61 U
tert-Butylbenzene	1.80E+05	8.00E+06	1.00E+07	ID	ID	ID	62 U	60 U	61 U
Tetrachloroethylene	88,000 (C)	88,000 (C)	88,000	60,000	6.00E+05	6.80E+09	62 U	60 U	61 U
Tetrahydrofuran	3.20E+07	9.50E+06	1.20E+08	2.40E+06	1.50E+07	1.70E+11	310 U	300 U	310 U
Toluene	2.5E+05 (C)	2.5E+05 (C)	2.50E+05	2.5E5 (C)	3.30E+06	1.20E+10	62 U	60 U	61 U
trans-1,2-Dichloroethylene	1.4E+06 (C)	1.4E+06 (C)	1,400,000	4.30E+04	3.30E+05	2.10E+09	62 U	60 U	61 U
trans-1,3-Dichloropropylene							62 U	60 U	61 U
trans-1,4-Dichloro-2-butene							310 U	300 U	310 U
Trichloroethylene	4.40E+05	5.0E+05 (C,DD)	5.00E+05	37,000	2.60E+05	2.30E+09	62 U	60 U	61 U
Trichlorofluoromethane	5.6E+05 (C)	5.6E+05 (C)	5.60E+05	5.6E+05 (C)	1.10E+08	1.70E+12	62 U	60 U	61 U
Vinyl chloride	20,000	34,000	4.90E+05	2,800	29,000	8.90E+08	49 U	48 U	49 U

Table TM 1-8
Volatile Organic Compounds in Soil/Sediment (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:							UST-SB3 (6-8)	UST-SB4 (2-4)	UST-SB4 (7-9)
Sample Date:							4/26/2004	6/30/2004	7/7/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA								
	Groundwater Contact Protection Criteria	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria			
Volatile Organic Compounds (ug/Kg)									
1,1,1,2-Tetrachloroethane	4.4E+05 (C)	4.4E+05 (C)	4.40E+05	33,000	1.20E+05	5.30E+08	57 U	63 U	50 U
1,1,1-Trichloroethane	4.6E+05 (C)	4.6E+05 (C)	4.60E+05	4.60E+05	4.50E+06	2.90E+10	57 U	63 U	50 U
1,1,2,2-Tetrachloroethane	94,000	2.40E+05	8.70E+05	23,000	34,000	6.80E+07	57 U	63 U	50 U
1,1,2-Trichloroethane	4.20E+05	8.40E+05	9.20E+05	24,000	57,000	2.50E+08	57 U	63 U	50 U
1,1-Dichloroethane	8.9E+05 (C)	8.9E+05 (C)	8.90E+05	4.30E+05	2.50E+06	1.50E+10	57 U	63 U	50 U
1,1-Dichloroethylene	2.20E+05	5.7E+05 (C)	5.70E+05	330	3,700	7.80E+07	57 U	63 U	50 U
1,2,3-Trichlorobenzene							280 U	320 U	250 U
1,2,3-Trichloropropane	8.3E+05 (C)	8.3E+05 (C)	8.30E+05	ID	ID	ID	57 U	63 U	50 U
1,2,4-Trichlorobenzene	1.10E+06	1.1E+06 (C,DD)	1.10E+06	1.1E+06 (C)	3.40E+07	1.10E+10	280 U	320 U	250 U
1,2,4-Trimethylbenzene	1.1E+05 (C)	1.1E+05 (C)	1.10E+05	1.1E+05 (C)	2.50E+07	3.60E+10	**390**	63 U	50 U
1,2-Dibromo-3-chloropropane	1,200	1,200 (C)	1,200	1,200 (C)	15,000	5.90E+06	280 U	320 U	250 U
1,2-Dibromoethane	2.0E+06 (C)	2.0E+06 (C)	2.00E+06	ID	ID	ID	57 U	63 U	50 U
1,2-Dichlorobenzene	2.1E+05 (C)	2.1E+05 (C)	2.10E+05	2.1E+05 (C)	4.60E+07	4.40E+10	57 U	63 U	50 U
1,2-Dichloroethane	3.80E+05	4.20E+05	1.20E+06	11,000	21,000	1.50E+08	57 U	63 U	50 U
1,2-Dichloropropane	3.20E+05	5.5E+05 (C)	5.50E+05	7,400	30,000	1.20E+08	57 U	63 U	50 U
1,3,5-Trimethylbenzene	94,000 (C)	94,000 (C)	94,000	94,000 (C)	1.90E+07	3.60E+10	57 U	63 U	50 U
1,3-Dichlorobenzene	51,000	1.7E+05 (C)	1.70E+05	ID	ID	ID	57 U	63 U	50 U
1,4-Dichlorobenzene	1.40E+05	1.90E+06	NA	1.00E+05	2.60E+05	5.70E+08	57 U	63 U	50 U
2-Butanone (MEK)	2.7E+07 (C)	2.7E+07 (C,DD)	2.7E+07	2.7E+07 (C)	3.5E+07	2.90E+10	280 U	320 U	250 U
2-Hexanone	2.5E+06 (C)	2.5E+06 (C)	2.50E+06	1.80E+06	1.30E+06	1.20E+09	280 U	320 U	250 U
2-Methylnaphthalene	5.50E+06	8.10E+06	NA	ID	ID	ID	**2,000**	320 X,U	250 X,U
2-Propanone (acetone)	1.1E+08 (C)	7.3E+07	1.1E+08	1.1E+08 (C)	1.60E+08	1.70E+11	1100 U	1300 U	1000 U
4-Methyl-2-pentanone (MIBK)	2.7E+06 (C)	2.7E+06 (C)	2.70E+06	2.7E+06 (C)	5.30E+07	6.00E+10	280 U	320 U	250 U
Acrylonitrile	2.80E+05	74,000	8.30E+06	35,000	17,000	5.80E+07	280 U	320 U	250 U
Benzene	2.20E+05	4.0E+05 (C)	4.00E+05	8.40E+03	4.50E+04	4.7E+08	57 U	63 U	50 U
Bromobenzene	3.60E+05	7.6E+05 (C)	7.60E+05	5.80E+05	5.40E+05	2.40E+08	57 U	63 U	50 U
Bromochloromethane							57 U	63 U	50 U
Bromodichloromethane	2.80E+05	4.90E+05	1.50E+06	6,400	31,000	1.10E+08	57 U	63 U	50 U
Bromoform	8.7E+05 (C)	8.7E+05 (C)	8.70E+05	7.70E+05	3.10E+06	3.60E+09	57 U	63 U	50 U
Bromomethane	1.40E+06	1.00E+06	2.20E+06	1,600	13,000	1.50E+08	280 U	320 U	250 U
Carbon disulfide	2.8E+05 (C)	2.8E+05 (C,DD)	2.80E+05	1.40E+05	1.60E+06	2.10E+10	57 U	63 U	50 U
Carbon tetrachloride	92,000	3.9E+05 (C)	3.90E+05	990	12,000	1.70E+08	57 U	63 U	50 U

Table TM 1-8

Volatile Organic Compounds in Soil/Sediment (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:							UST SB3	UST SB4	UST SB4
Sample Date:							(6-8) 4/26/2004	(2-4) 6/30/2004	(7-9) 7/7/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA								
	Groundwater Contact Protection *Criteria*	Direct Contact Industrial & *Commercial II*	Direct Contact Soil Saturation Concentration *Screening Levels*	Volatilization to *Indoor Air*	Ambient Air Infinite Source Volatile Soil *Inhalation*	Ambient Air Particulate Soil Inhalation *Criteria*			
Volatile Organic Compounds (ug/Kg)									
Chlorobenzene	2.6E+05 (C)	2.6E+05 (C)	2.60E+05	2.20E+05	9.20E+05	2.10E+09	57 U	63 U	50 U
Chloroethane	9.5E+05 (C)	9.5E+05 (C)	9.50E+05	9.5E+05 (C)	3.60E+07	2.90E+11	280 U	320 U	250 U
Chloroform	1.5E+06 (C)	1.5E+06 (C)	1.50E+06	38,000	1.50E+05	1.6E+09	57 U	63 U	50 U
Chloromethane	1.1E+06 (C)	1.1E+06 (C)	1.10E+06	10,000	1.20E+05	2.60E+09	280 U	320 U	250 U
cis-1,2-Dichloroethylene	6.4E+05 (C)	6.4E+05 (C)	6.40E+05	4.10E+04	2.10E+05	1.0E+09	57 U	63 U	50 U
cis-1,3-Dichloropropylene							57 U	63 U	50 U
Dibromochloromethane	3.60E+05	5.00E+05	6.10E+05	21,000	80,000	1.60E+08	57 U	63 U	50 U
Dibromomethane	2.0E+06 (C)	2.0E+06 (C)	2.00E+06	ID	ID	ID	57 U	63 U	50 U
Dichlorodifluoromethane	1.0E+06 (C)	1.0E+06 (C)	1.00E+06	1.70E+06	6.30E+07	1.50E+12	280 U	320 U	250 U
Diethyl ether	7.4E+06 (C)	7.4E+06 (C)	7.40E+06	7.4E+06 (C)	1.00E+08	3.50E+11	280 U	320 U	250 U
Ethylbenzene	1.4E+05 (C)	1.4E+05 (C)	1.40E+05	1.4E+05 (C)	2.40E+06	1.30E+10	**640**	63 U	50 U
Hexachloroethane	1.10E+05	7.30E+05	NA	79,000	6.60E+05	1.00E+08	280 U	320 U	250 U
Isopropylbenzene	3.9E+05 (C)	3.9E+05 (C)	3.90E+05	3.9E+05 (C)	2.00E+06	2.60E+09	**350**	63 U	50 U
M&PXylene	1.5E+05 (C)	1.5E+05 (C)	1.50E+05	1.5E+05 (C)	5.40E+07	1.30E+11	**400**	130 U	100 U
Methyl iodide							57 U	63 U	50 U
Methylene chloride	2.3E+06 (C)	2.3E+06 (C)	2.30E+06	2.40E+05	7.00E+05	8.30E+09	280 U	320 U	250 U
Methyltertiarybutylether	5.9E+06 (C)	5.9E+06 (C)	5.90E+06	5.9E+06 (C)	3.00E+07	8.80E+10	57 U	63 U	50 U
Naphthalene	2.10E+06	5.20E+07	NA	4.70E+05	3.50E+05	8.8E+07	**4200**	320 X, U	250 X,U
n-Butylbenzene	1.20E+05	8.00E+06	1.00E+07	ID	ID	ID	**320**	63 U	50 U
n-Propylbenzene	3.00E+05	8.00E+06	1.00E+07	ID	ID	ID	**1100**	63 U	50 U
o-Xylene	1.5E+05 (C)	1.5E+05 (C)	1.50E+05	1.5E+05 (C)	5.40E+07	1.30E+11	57 U	63 U	50 U
p-Isopropyl toluene							57 U	63 U	50 U
sec-Butylbenzene	88,000	8.00E+06	1.00E+07	ID	ID	ID	**120**	63 U	50 U
Styrene	2.70E+05	5.2E+ 05 (C)	5.20E+05	5.2E+05(C)	3.30E+06	6.90E+09	57 U	63 U	50 U
tert-Butylbenzene	1.80E+05	8.00E+06	1.00E+07	ID	ID	ID	57 U	63 U	50 U
Tetrachloroethylene	88,000 (C)	88,000 (C)	88,000	60,000	6.00E+05	6.80E+09	57 U	63 U	50 U
Tetrahydrofuran	3.20E+07	9.50E+06	1.20E+08	2.40E+06	1.50E+07	1.70E+11	280 U	320 U	250 U
Toluene	2.5E+05 (C)	2.5E+05 (C)	2.50E+05	2.5E5 (C)	3.30E+06	1.20E+10	57 U	63 U	50 U
trans-1,2-Dichloroethylene	1.4E+06 (C)	1.4E+06 (C)	1,400,000	4.30E+04	3.30E+05	2.10E+09	57 U	63 U	50 U
trans-1,3-Dichloropropylene							57 U	63 U	50 U
trans-1,4-Dichloro-2-butene							280 U	320 U	250 U
Trichloroethylene	4.40E+05	5.0E+05 (C,DD)	5.00E+05	37,000	2.60E+05	2.30E+09	57 U	63 U	50 U
Trichlorofluoromethane	5.6E+05 (C)	5.6E+05 (C)	5.60E+05	5.6E+05 (C)	1.10E+08	1.70E+12	57 U	63 U	50 U
Vinyl chloride	20,000	34,000	4.90E+05	2,800	29,000	8.90E+08	45 U	51 U	40 U

Table TM 1-8
Volatile Organic Compounds in Soil/Sediment (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:							UST SB5 (1-3)	UST SB5 (10-12)	UST SB5 (11-13)
Sample Date:							4/26/2004	4/26/2004	4/26/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA								
	Groundwater Contact Protection Criteria	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria			
Volatile Organic Compounds (ug/Kg)									
1,1,1,2-Tetrachloroethane	4.4E+05 (C)	4.4E+05 (C)	4.40E+05	33,000	1.20E+05	5.30E+08	56 U	54 U	54 U
1,1,1-Trichloroethane	4.6E+05 (C)	4.6E+05 (C)	4.60E+05	4.60E+05	4.50E+06	2.90E+10	56 U	54 U	54 U
1,1,2,2-Tetrachloroethane	94,000	2.40E+05	8.70E+05	23,000	34,000	6.80E+07	56 U	54 U	54 U
1,1,2-Trichloroethane	4.20E+05	8.40E+05	9.20E+05	24,000	57,000	2.50E+08	56 U	54 U	54 U
1,1-Dichloroethane	8.9E+05 (C)	8.9E+05 (C)	8.90E+05	4.30E+05	2.50E+06	1.50E+10	56 U	54 U	54 U
1,1-Dichloroethylene	2.20E+05	5.7E+05 (C)	5.70E+05	330	3,700	7.80E+07	56 U	54 U	54 U
1,2,3-Trichlorobenzene							280 U	270 U	270 U
1,2,3-Trichloropropane	8.3E+05 (C)	8.3E+05 (C)	8.30E+05	ID	ID	ID	56 U	54 U	54 U
1,2,4-Trichlorobenzene	1.10E+06	1.1E+06 (C,DD)	1.10E+06	1.1E+06 (C)	3.40E+07	1.10E+10	280 U	270 U	270 U
1,2,4-Trimethylbenzene	1.1E+05 (C)	1.1E+05 (C)	1.10E+05	1.1E+05 (C)	2.50E+07	3.60E+10	56 U	54 U	54 U
1,2-Dibromo-3-chloropropane	1,200	1,200 (C)	1,200	1,200 (C)	15,000	5.90E+06	280 U	270 U	270 U
1,2-Dibromoethane	2.0E+06 (C)	2.0E+06 (C)	2.00E+06	ID	ID	ID	56 U	54 U	54 U
1,2-Dichlorobenzene	2.1E+05 (C)	2.1E+05 (C)	2.10E+05	2.1E+05 (C)	4.60E+07	4.40E+10	56 U	54 U	54 U
1,2-Dichloroethane	3.80E+05	4.20E+05	1.20E+06	11,000	21,000	1.50E+08	56 U	54 U	54 U
1,2-Dichloropropane	3.20E+05	5.5E+05 (C)	5.50E+05	7,400	30,000	1.20E+08	56 U	54 U	54 U
1,3,5-Trimethylbenzene	94,000 (C)	94,000 (C)	94,000	94,000 (C)	1.90E+07	3.60E+10	56 U	54 U	54 U
1,3-Dichlorobenzene	51,000	1.7E+05 (C)	1.70E+05	ID	ID	ID	56 U	54 U	54 U
1,4-Dichlorobenzene	1.40E+05	1.90E+06	NA	1.00E+05	2.60E+05	5.70E+08	56 U	54 U	54 U
2-Butanone (MEK)	2.7E+07 (C)	2.7E+07 (C,DD)	2.7E+07	2.7E+07 (C)	3.5E+07	2.90E+10	280 U	270 U	270 U
2-Hexanone	2.5E+06 (C)	2.5E+06 (C)	2.50E+06	1.80E+06	1.30E+06	1.20E+09	280 U	270 U	270 U
2-Methylnaphthalene	5.50E+06	8.10E+06	NA	ID	ID	ID	280 X, U	270 U	270 U
2-Propanone (acetone)	1.1E+08 (C)	7.3E+07	1.1E+08	1.1E+08 (C)	1.60E+08	1.70E+11	1100 U	1100 U	1100 U
4-Methyl-2-pentanone (MIBK)	2.7E+06 (C)	2.7E+06 (C)	2.70E+06	2.7E+06 (C)	5.30E+07	6.00E+10	280 U	270 U	270 U
Acrylonitrile	2.80E+05	74,000	8.30E+06	35,000	17,000	5.80E+07	280 U	270 U	270 U
Benzene	2.20E+05	4.0E+05 (C)	4.00E+05	8.40E+03	4.50E+04	4.7E+08	56 U	54 U	54 U
Bromobenzene	3.60E+05	7.6E+05 (C)	7.60E+05	5.80E+05	5.40E+05	2.40E+08	56 U	54 U	54 U
Bromochloromethane							56 U	54 U	54 U
Bromodichloromethane	2.80E+05	4.90E+05	1.50E+06	6,400	31,000	1.10E+08	56 U	54 U	54 U
Bromoform	8.7E+05 (C)	8.7E+05 (C)	8.70E+05	7.70E+05	3.10E+06	3.60E+09	56 U	54 U	54 U
Bromomethane	1.40E+06	1.00E+06	2.20E+06	1,600	13,000	1.50E+08	280 U	270 U	270 U
Carbon disulfide	2.8E+05 (C)	2.8E+05 (C,DD)	2.80E+05	1.40E+05	1.60E+06	2.10E+10	56 U	54 U	54 U
Carbon tetrachloride	92,000	3.9E+05 (C)	3.90E+05	990	12,000	1.70E+08	56 U	54 U	54 U

Table TM 1-8
Volatile Organic Compounds in Soil/Sediment (Industrial Criteria)
Spring 2004
Carter Color Coat
Detroit, Michigan

Sample Location:							UST SB5 (1-3)	UST SB5 (10-12)	UST SB5 (11-13)
Sample Date:							4/26/2004	4/26/2004	4/26/2004
	MDEQ PART 201 INDUSTRIAL CLEANUP CRITERIA								
	Groundwater Contact Protection Criteria	Direct Contact Industrial & Commercial II	Direct Contact Soil Saturation Concentration Screening Levels	Volatilization to Indoor Air	Ambient Air Infinite Source Volatile Soil Inhalation	Ambient Air Particulate Soil Inhalation Criteria			
Volatile Organic Compounds (ug/Kg)									
Chlorobenzene	2.6E+05 (C)	2.6E+05 (C)	2.60E+05	2.20E+05	9.20E+05	2.10E+09	56 U	54 U	54 U
Chloroethane	9.5E+05 (C)	9.5E+05 (C)	9.50E+05	9.5E+05 (C)	3.60E+07	2.90E+11	280 U	270 U	270 U
Chloroform	1.5E+06 (C)	1.5E+06 (C)	1.50E+06	38,000	1.50E+05	1.6E+09	56 U	54 U	54 U
Chloromethane	1.1E+06 (C)	1.1E+06 (C)	1.10E+06	10,000	1.20E+05	2.60E+09	280 U	270 U	270 U
cis-1,2-Dichloroethylene	6.4E+05 (C)	6.4E+05 (C)	6.40E+05	4.10E+04	2.10E+05	1.0E+09	56 U	54 U	54 U
cis-1,3-Dichloropropylene							56 U	54 U	54 U
Dibromochloromethane	3.60E+05	5.00E+05	6.10E+05	21,000	80,000	1.60E+08	56 U	54 U	54 U
Dibromomethane	2.0E+06 (C)	2.0E+06 (C)	2.00E+06	ID	ID	ID	56 U	54 U	54 U
Dichlorodifluoromethane	1.0E+06 (C)	1.0E+06 (C)	1.00E+06	1.70E+06	6.30E+07	1.50E+12	280 U	270 U	270 U
Diethyl ether	7.4E+06 (C)	7.4E+06 (C)	7.40E+06	7.4E+06 (C)	1.00E+08	3.50E+11	280 U	270 U	270 U
Ethylbenzene	1.4E+05 (C)	1.4E+05 (C)	1.40E+05	1.4E+05 (C)	2.40E+06	1.30E+10	56 U	54 U	54 U
Hexachloroethane	1.10E+05	7.30E+05	NA	79,000	6.60E+05	1.00E+08	280 U	270 U	270 U
Isopropylbenzene	3.9E+05 (C)	3.9E+05 (C)	3.90E+05	3.9E+05 (C)	2.00E+06	2.60E+09	56 U	54 U	54 U
M&PXylene	1.5E+05 (C)	1.5E+05 (C)	1.50E+05	1.5E+05 (C)	5.40E+07	1.30E+11	110 U	110 U	110 U
Methyl iodide							56 U	54 U	54 U
Methylene chloride	2.3E+06 (C)	2.3E+06 (C)	2.30E+06	2.40E+05	7.00E+05	8.30E+09	280 U	270 U	270 U
Methyltertiarybutylether	5.9E+06 (C)	5.9E+06 (C)	5.90E+06	5.9E+06 (C)	3.00E+07	8.80E+10	56 U	54 U	54 U
Naphthalene	2.10E+06	5.20E+07	NA	4.70E+05	3.50E+05	8.8E+07	280 X, U	270 X,U	270 U
n-Butylbenzene	1.20E+05	8.00E+06	1.00E+07	ID	ID	ID	56 U	54 U	54 U
n-Propylbenzene	3.00E+05	8.00E+06	1.00E+07	ID	ID	ID	56 U	54 U	54 U
o-Xylene	1.5E+05 (C)	1.5E+05 (C)	1.50E+05	1.5E+05 (C)	5.40E+07	1.30E+11	56 U	54 U	54 U
p-Isopropyl toluene							56 U	54 U	54 U
sec-Butylbenzene	88,000	8.00E+06	1.00E+07	ID	ID	ID	56 U	54 U	54 U
Styrene	2.70E+05	5.2E+ 05 (C)	5.20E+05	5.2E+05(C)	3.30E+06	6.90E+09	56 U	54 U	54 U
tert-Butylbenzene	1.80E+05	8.00E+06	1.00E+07	ID	ID	ID	56 U	54 U	54 U
Tetrachloroethylene	88,000 (C)	88,000 (C)	88,000	60,000	6.00E+05	6.80E+09	56 U	54 U	54 U
Tetrahydrofuran	3.20E+07	9.50E+06	1.20E+08	2.40E+06	1.50E+07	1.70E+11	280 U	270 U	270 U
Toluene	2.5E+05 (C)	2.5E+05 (C)	2.50E+05	2.5E5 (C)	3.30E+06	1.20E+10	56 U	54 U	54 U
trans-1,2-Dichloroethylene	1.4E+06 (C)	1.4E+06 (C)	1,400,000	4.30E+04	3.30E+05	2.10E+09	56 U	54 U	54 U
trans-1,3-Dichloropropylene							56 U	54 U	54 U
trans-1,4-Dichloro-2-butene							280 U	270 U	270 U
Trichloroethylene	4.40E+05	5.0E+05 (C,DD)	5.00E+05	37,000	2.60E+05	2.30E+09	56 U	54 U	54 U
Trichlorofluoromethane	5.6E+05 (C)	5.6E+05 (C)	5.60E+05	5.6E+05 (C)	1.10E+08	1.70E+12	56 U	54 U	54 U
Vinyl chloride	20,000	34,000	4.90E+05	2,800	29,000	8.90E+08	45 U	43 U	54 U