Table 2-1
Sample Inventory and Analyses Performed
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Sample ID	Matrix	Date	Laboratory Analysis Method		
Air Samples			**US EPA Method TO-15**		
AA-R01	Air	21-Apr-05	x		
IA-A01	Air	21-Apr-05	x		
IA-A02	Air	21-Apr-05	x		
IA-A03	Air	21-Apr-05	x		
SV-A01	Air	21-Apr-05	x		
SV-A02	Air	21-Apr-05	x		
Groundwater Monitoring Well Samples - June 2005			**TCL VOCs OLC 02.1**	**TCL SVOCs OLC 02.1**	**TAL Metals ILM 04.2**
MW-1D	Groundwater	13-Jun-06	x	x	x
MW-1DD	Groundwater	13-Jun-06	x	x	x
DUP061305 *(Collected at MW-1DD)*	Groundwater	13-Jun-06	x	x	x
MW-2D	Groundwater	10-Jun-05	x	x	x
MW-2DD	Groundwater	13-Jun-06	x	x	x
MW-3D MS/MSD	Groundwater	8-Jun-05	x	x	x
MW-3DD	Groundwater	7-Jun-05	x	x	x
MW-4D	Groundwater	9-Jun-05	x	x	x
FB060705	Field Blank	7-Jun-05	x	x	x
FB060805	Field Blank	8-Jun-05	x	x	x
FB060905	Field Blank	9-Jun-05	x	x	x
FB061005	Field Blank	10-Jun-05	x	x	x
FB061305	Field Blank	13-Jun-06	x	x	x
Trip Blank	Trip blank	8-Jun-05	x		
Trip Blank	Trip blank	10-Jun-05	x		
Trip Blank	Trip blank	13-Jun-05	x		
MW-1D LNAPL	LNAPL	10-Jun-05	TCL VOCs OLM 04.2		
Groundwater Monitoring Well Samples - August/September 2006			**TCL VOCs OLC 02.1**	**TCL SVOCs OLC 02.1**	**TAL Metals ILM 04.2**
MW-1D	Groundwater	31-Aug-06	x	x	x
MW-1DD	Groundwater	31-Aug-06	x	x	x
DUP061305 *(Collected at MW-1DD)*	Groundwater	31-Aug-06	x	x	x
MW-2D	Groundwater	1-Sep-06	x	x	x
MW-2DD	Groundwater	1-Sep-06	x	x	x
MW-3D MS/MSD	Groundwater	29-Aug-06	x	x	x
MW-3D MS/MSD	Groundwater	1-Sep-06	x		
MW-3DD	Groundwater	29-Aug-06	x	x	x
MW-3DD	Groundwater	1-Sep-06	x		
MW-4D	Groundwater	1-Sep-06	x	x	x
MW-5D	Groundwater	31-Aug-06	x	x	x
MW-6D	Groundwater	30-Aug-06	x	x	x
MW-6D	Groundwater	1-Sep-06	x		
FB082906	Field Blank	29-Aug-06	x	x	x
FB083006	Field Blank	30-Aug-06	x	x	x
FB083106	Field Blank	31-Aug-06	x	x	x
FB090106	Field Blank	1-Sep-06	x	x	x
Trip Blank	Trip blank	30-Aug-06	x		
Trip Blank	Trip blank	31-Aug-06	x		
Trip Blank	Trip blank	1-Sep-06	x		
MW-1D LNAPL	LNAPL	31-Aug-06	TCL VOCs OLC 02.1	TCL VOCs OLM 04.2	TAL Metals ILM 04.2
Soil Samples			**TCL VOCs OLM 04.2**	**TCL SVOCs OLM 04.2**	**TAL Metals ILM 04.2**
MW-5D (24-26)	Soil	1-Aug-06	x	x	x
MW-5D (34-36)	Soil	1-Aug-06	x	x	x
MW-6D (34-36) MS/MSD	Soil	1-Aug-06	x	x	x
MW-6D (39-41)	Soil	1-Aug-06	x	x	x
SB-01 (0-2)	Soil	25-Apr-05	x	x	x
SB-01 (4-8)	Soil	25-Apr-05	x	x	x
SB-02 (12-16)	Soil	25-Apr-05	x	x	x
SB-02 (20-22)	Soil	25-Apr-05	x	x	x
SB-03 (16-20)	Soil	25-Apr-05	x	x	x
SB-03 (20-22)	Soil	25-Apr-05	x	x	x
SB-04 (8-12)	Soil	25-Apr-05	x	x	x
SB-04 (12-16)	Soil	25-Apr-05	x	x	x
SB-05 (0-2)	Soil	25-Apr-05	x	x	x
SB-05 (8-12)	Soil	25-Apr-05	x	x	x
SB-06 (4-8)	Soil	25-Apr-05	x	x	x

Table 2-1
Sample Inventory and Analyses Performed
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Sample ID	Matrix	Date	Laboratory Analysis Method		
SB-06 (8-10.5)	Soil	25-Apr-05	x	x	x
DUP042506 *(Collected at SB-06(8-10.5))*	Soil	25-Apr-06	x	x	x
SB-07 (4-8)	Soil	26-Apr-06	x	x	x
SB-07(9-11)	Soil	26-Apr-06	x	x	x
SB-08 (2-4)	Soil	26-Apr-06	x	x	x
SB-08 (12-14)	Soil	26-Apr-06	x	x	x
SB-09 (1-4)	Soil	26-Apr-05	x	x	x
DUP042605 *(Collected at SB-09 (1-4))*	Soil	26-Apr-05	x	x	x
SB-09 (6-8)	Soil	26-Apr-06	x	x	x
SB-09 (10-11.5)	Soil	26-Apr-06	x	x	x
SB-10 (1-4)	Soil	26-Apr-06	x	x	x
SB-10 (4-8) MS/MSD	Soil	26-Apr-06	x	x	x
SB-11 (0-2)	Soil	26-Apr-06	x	x	x
SB-11 (8-11)	Soil	26-Apr-06	x	x	x
SB-12 (1-3)	Soil	26-Apr-06	x	x	x
SB-13 (6-8)	Soil	26-Apr-06	x	x	x
SB-13 (10-12)	Soil	26-Apr-06	x	x	x
SB-14 (12-13)	Soil	26-Apr-06	x	x	x
SB-14 (13-16) MS/MSD	Soil	26-Apr-06	x	x	x
SB-15 (17-19)	Soil	26-Apr-06	x	x	x
SB-15 (19-21)	Soil	26-Apr-06	x	x	x
SB-16 (10-12)	Soil	26-Apr-06	x	x	x
SB-16 (14-16)	Soil	26-Apr-06	x	x	x
SB-17 (4-6)	Soil	27-Apr-06	x	x	x
SB-17 (12-14)	Soil	27-Apr-06	x	x	x
SB-18 (16-20)	Soil	27-Apr-06	x	x	x
SB-18 (20-22)	Soil	27-Apr-06	x	x	x
DUP042705 *(Collected at SB-18 (20-22))*	Soil	27-Apr-06	x	x	x
SB-19 (12-16)	Soil	27-Apr-06	x	x	x
SB-19 (16-20)	Soil	27-Apr-06	x	x	x
SB-20 (12-15)	Soil	27-Apr-06	x	x	x
SB-20 (23-27.5)	Soil	27-Apr-06	x	x	x
SB-21 (4-8)	Soil	27-Apr-06	x	x	x
SB-21 (20-24)	Soil	27-Apr-06	x	x	x
SB-22 (2-4)	Soil	27-Apr-06	x	x	x
SB-22 (8-12)	Soil	27-Apr-06	x	x	x
SB-23 (8-12)	Soil	28-Apr-06	x	x	x
SB-23 (20-22)	Soil	28-Apr-06	x	x	x
SB-24 (8-12)	Soil	28-Apr-06	x	x	x
SB-24 (18-20) MS/MSD	Soil	28-Apr-06	x	x	x
SB-24 (24-28)	Soil	28-Apr-06	x	x	x
SB-25 (16-20)	Soil	28-Apr-06	x	x	x
SB-25 (20-24)	Soil	28-Apr-06	x	x	x
SB-26 (0-4)	Soil	28-Apr-06	x	x	x
SB-26 (4-8)	Soil	28-Apr-06	x	x	x
SB-27 (4-8)	Soil	28-Apr-06	x	x	x
SB-27 (8-11)	Soil	28-Apr-06	x	x	x
SB-28 (6-8)	Soil	31-Jul-06	x	x	x
SB-28 (10-12)	Soil	31-Jul-06	x	x	x
SB-29 (8-10)	Soil	1-Aug-06	x	x	x
SB-29 (12-14)	Soil	1-Aug-06	x	x	x
SB-30 (10-14)	Soil	2-Aug-06	x	x	x
SB-30 (14-16)	Soil	2-Aug-06	x	x	x
SB-31 (12-14)	Soil	4-Aug-06	x	x	x
SB-31 (16-18)	Soil	4-Aug-06	x	x	x
SB-32 (0-4)	Soil	4-Aug-06	x	x	x
DUP080406 *(Collected at SB-32 (0-4))*	Soil	4-Aug-06	x	x	x
SB-32 (4-8)	Soil	4-Aug-06	x	x	x
SB-33 (0-4)	Soil	4-Aug-06	x	x	x
SB-33 (4-8)	Soil	4-Aug-06	x	x	x
SB-34 (0-4)	Soil	4-Aug-06	x	x	x
SB-34 (4-8)	Soil	4-Aug-06	x	x	x
SB-35 (16-20)	Soil	4-Aug-06	x	x	x
SB-35 (36-40)	Soil	4-Aug-06	x	x	x
SB-36 (12-16)	Soil	7-Aug-06	x	x	x
SB-36 (16-20)	Soil	7-Aug-06	x	x	x
SB-37 (16-20)	Soil	7-Aug-06	x	x	x
SB-37 (12-16)	Soil	7-Aug-06	x	x	x
SB-38 (0-4)	Soil	7-Aug-06	x	x	x

Table 2-1
Sample Inventory and Analyses Performed
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Sample ID	Matrix	Date	Laboratory Analysis Method		
SB-38 (4-8) MS/MSD	Soil	7-Aug-06	x	x	x
SB-39 (0-4)	Soil	7-Aug-06	x	x	x
SB-39 (28-32)	Soil	7-Aug-06	x	x	x
SB-40 (4-5.5)	Soil	7-Aug-06	x	x	x
FB042505	Field Blank	25-Apr-05	x	x	x
FB042605	Field Blank	26-Apr-05	x	x	x
FB042705	Field Blank	27-Apr-05	x	x	x
FB042805	Field Blank	28-Apr-05	x	x	x
FB073106	Field Blank	31-Jul-06	x	x	x
FB080306	Field Blank	3-Aug-06	x	x	x
FB080406	Field Blank	4-Aug-06	x	x	x
FB080706	Field Blank	7-Aug-06	x	x	x
Trip Blank	Trip blank	25-Apr-05	x		
Trip Blank	Trip blank	26-Apr-05	x		
Trip Blank	Trip blank	26-Apr-05	x		
Trip Blank	Trip blank	27-Apr-05	x		
Trip Blank	Trip blank	28-Apr-05	x		
Surface Soil Samples			**TCL VOCs OLM 04.2**	**TCL SVOCs OLM 04.2**	**TAL Metals ILM 04.2**
SS-BLDGB-01	Surface Soil	7-Jun-05	x	x	x
SS-BLDGB-02	Surface Soil	7-Jun-05	x	x	x
Surface Water Sample.			**TCL VOCs OLC 02.1**	**TCL SVOCs OLC 02.1**	**TAL Metals ILM 04.2**
SW-01 MS/MSD	Surface Water	29-Jun-05	x	x	x
SW-02	Surface Water	29-Jun-05	x	x	x
SW-03	Surface Water	29-Jun-05	x	x	x
DUP062905 *(Collected at SW-03)*	Surface Water	29-Jun-05	x	x	x
Trip Blank	Trip blank	29-Jun-05	x		
Waste Characterization Samples			**TCLP VOC, TCLP SVOC, TCLP RCRA Metals, Reactivity Sulfide/Cyanide, Corrosivity, Flammability**		
WC-01	Water	28-Jun-05	x		
WC-02	Soil	28-Jun-05	x		
			TCLP VOC	**TCLP SVOC**	**TCLP RCRA 8 Metals**
WC-03	Soil	24-Aug-05	x	x	x

Table 2-2
Summary of Air Sampling Analytical Results
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Compound	Sub-slab Vapor 1 SV-A01 North Basement Bldg. A 4/21/2005	Sub-slab Vapor 2 SV-A02 South Basement Bldg. A 4/21/2005	Indoor Air 1 IA-A01 North Basement Bldg. A 4/21/2005	Indoor Air 2 IA-A02 South Basement Bldg. A 4/21/2005	Indoor Air 3 IA-A03 2nd Floor Bldg. A 4/21/2005	Outdoor Air AA-R01 Northeast Corner Bldg. A 4/21/2005	NYSDOH Air Guidline Values
1,1,1-Trichloroethane	**4100**	**11 J**	**5.6**	ND	**2.3 J**	ND	NA
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	NA
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	NA
1,1-Dichloroethane	**650**	ND	**0.99**	ND	ND	ND	NA
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	NA
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	NA
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	NA
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	NA
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	NA
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	NA
1,3-Butadiene	ND	ND	ND	ND	ND	ND	NA
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	NA
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	NA
1,4-Dioxane	ND	ND	ND	ND	ND	ND	NA
2-Butanone	ND	ND	ND	ND	ND	**11 J**	NA
2-Hexanone	ND	ND	ND	ND	ND	ND	NA
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	NA
Acetone	ND	ND	**12**	**4.7**	**20 J**	**18 J**	NA
Benzene	ND	**5 J**	**1.1**	**1**	**1.4 J**	**0.98 J**	NA
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	**3.3 J**	NA
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	**2.2 J**	NA
Benzyl chloride	ND	ND	ND	ND	ND	ND	NA
Bromodichloromethane	ND	ND	ND	ND	ND	ND	NA
Bromoform	ND	ND	ND	ND	ND	ND	NA
Bromomethane	ND	ND	ND	ND	ND	ND	NA
Carbon disulfide	ND	ND	ND	ND	ND	**8.1 J**	NA
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	NA
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA
Chloroethane	ND	ND	ND	ND	ND	ND	NA
Chloroform	ND	ND	ND	ND	ND	ND	NA
Chloromethane	ND	ND	**0.98**	**0.98**	**1.2 J**	**2.3 J**	NA
cis-1,2-Dichloroethene	**36000**	ND	**22**	**3.4**	**10 J**	ND	NA
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	NA
Freon 114	ND	ND	ND	ND	ND	ND	NA
Cyclohexane	ND	ND	ND	ND	ND	ND	NA
Dibromochloromethane	ND	ND	ND	ND	ND	ND	NA
Dichlorodifluoromethane	ND	ND	**12**	**4.2**	**7.7 J**	**2.7 J**	NA
Ethanol	**3000**	ND	**4.2**	**3.7**	**17 J**	**9.3 J**	NA
Ethylbenzene	ND	ND	ND	ND	ND	**1.4 J**	NA
Freon 113	ND	ND	ND	ND	ND	ND	NA
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	NA
Isopropanol	ND	ND	ND	ND	ND	**2.3 J**	NA
Isopropylbenzene	ND	ND	ND	ND	ND	ND	NA
m+p-Xylene	ND	**7.6 J**	**1.1**	**0.92**	**2 J**	**7.3 J**	NA
Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	NA
Methylene chloride	ND	ND	**1.2**	ND	**1.8 J**	ND	**60**
n-Heptane	ND	**45 J**	ND	ND	ND	ND	NA
n-Hexane	ND	ND	ND	ND	ND	ND	NA
n-Propylbenzene	ND	ND	ND	ND	ND	ND	NA
o-Xylene	ND	ND	ND	ND	**0.8 J**	**3.8 J**	NA
p-Ethyltoluene	ND	ND	ND	ND	ND	ND	NA
Styrene	**2100**	**1800 J**	ND	ND	ND	ND	NA
Tetrachloroethene	**530**	ND	**1.2**	ND	ND	ND	**100**
Tetrahydrofuran	ND	ND	ND	ND	ND	ND	NA
Toluene	ND	**10 J**	**3.6**	**2.2**	**9.2 J**	**3.5 J**	NA
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	NA
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	NA
Trichloroethene	**76000**	**34 J**	**50**	**6.6**	**23 J**	ND	**5**
Trichlorofluoromethane	ND	ND	**8.6**	**2.6**	**7.4 J**	**1.2 J**	NA
Vinyl chloride	ND	ND	ND	ND	ND	ND	NA

Notes:

Refer to Endnotes

Table 2-3
Site Feature Inventory Observations and Findings
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Map ID	Feature/Observation
1	Two 5-gallon paint cans, debris
2	Plastic pipes, debris, metal pipes
3	One bucket of tar, Sixteen 5-gallon pails with unknown contents, Diesel AST
4	Large stain on ground
5	5-gallon fuel can, debris
6	Two vertical tanks (62-inch height), hydraulic oil, motor oil (150-gallon), one waste oil tank (12-inch), one antifreeze barrel, one transmission fluid barrel
7	Steel grate - appears full of oil (mechanics indicate that grate is potentially connected to sanitary sewer?)
8	Steel grate (2nd) - appears full of oil (mechanics indicate that grate is potentially connected to sanitary sewer?)
9	Parts washer, emersol oil, brake fluid (8 cans), zep soap
10	Rust retardant, miscellaneous debris, synthetic lubricant
11	Paint, cleaner, tire lube in locker
12	Four empty fuel tanks (15-gallon)
13	Small shed: Four 15-gallon empty oil tanks, six empty 5-gallon pails (oil/solvent), tires
14	ASTs of various sizes labeled off road diesel (5'x38" - 73"x46"). Some observed to have no caps on fill ports
15	"Corrosive ammonia" label painted on interior wall of building. No chemicals present.
16	Waste oil AST (35"x5'), Small open drum containing waste oil
17	Miscellaneous debris, buckets of hydraulic oil
18	Excessive staining of surface soil
19	Seven 50-pound bags of CaCl flakes
20	Six buckets of asphalt sealer, two 5-gallon empty fuel cans. Empty 55-gallon drums, miscellaneous construction debris
21	Storm grate with visible outlet heading east towards the Genesee River, tank trailer
22	Miscellaneous construction debris, buckets with unknown contents
23	Storm grate /drain to river?
24	Standing water in old tank cradles, debris
25	Bags of cement, asphalt sealer, 5-gallon gasoline pail, debris
26	Vertical PVC pipe (4.5" diameter)
27	Excessive oil staining on surface soil
28	Metal pipe (vent/fill?)
29	Metal pipe (vent/fill?)
30	Underground pipe buried in soil (~4" below surface) potential debris?

Notes:
Reference Figure 2-1 for location of features/observations presented above

Table 2-4
Summary of Soil Sample Analytical Results - Volatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		MW-5D	MW-5D	MW-6D	MW-6D	SB-01	SB-01	SB-02	SB-02	SB-03	SB-03	SB-04	SB-04	SB-05	SB-05	SB-06	SB-06	SB-06	SB-07	SB-07	SB-08
	Part 375	**Part 375**	NYSDEC	213407-003	213407-007	213407-008	213407-009	209370-001	209370-002	209370-003	209370-004	209370-005	209370-006	209370-007	209370-008	209370-009	209370-010	209370-011	209370-012	209370-013	209370-016	209370-017	209370-018
	Restricted SCO	**Unrestricted**	TAGM 4046	7/31/2006	8/1/2006	8/1/2006	8/1/2006	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/26/2005	4/26/2005	4/26/2005
CONSTITUENT (ug/kg)	Comm & Prot GW	**SCO**	RSCOs	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Starting Depth (feet)				24	34	34	39	0	4	12	20	16	20	8	12	0	8	4	8	8	4	9	2
Ending Depth (feet)				26	36	36	41	2	8	16	22	20	22	12	16	2	12	8	10.5	10.5	8	11	4
Chloromethane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Bromomethane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U J	23 U J	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Vinyl chloride	20	**20**	200	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	[3700] J
Chloroethane	NA	**NA**	1900	11 U	12 U	12 U J	12 U J	11 U J	11 U J	12 U J	11 U J	12 U J	58 U J	56 U	23 U	11 U J	11 U J	2000 U	2200 U	1800 U	1900 U	12 U J	9300 U
Methylene Chloride	500000	**50**	100	11 U	12 U	12 U J	12 U J	11 U J	11 U J	13 U J	11 U J	13 U J	58 U J	56 U	23 U	11 U J	11 U J	2000 U	2200 U	1800 U	1900 U	13 U J	9300 U
Acetone	500000	**50**	200	14	15	17 J	26 J	11 J	11 U	24	12	12 U	[200] J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	[58]	9300 U
Carbon Disulfide	NA	**NA**	2700	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	5 J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	2 J	9300 U
1,1-Dichloroethene	330	**330**	400	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
1,1-Dichloroethane	270	**270**	200	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Chloroform	350000	**370**	300	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
1,2-Dichloroethane	20	**20**	100	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
2-Butanone	500000	**120**	300	11 U	12 U J	12 U J	12 U J	11 U J	11 U J	12 U J	11 U J	12 U J	58 U J	56 U	23 U	11 U J	11 U J	2000 U	[750] J	[710] J	[680] J	13 U J	9300 U
1,1,1-Trichloroethane	680	**680**	800	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Carbon Tetrachloride	22000	**760**	600	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Bromodichloromethane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
1,2-Dichloropropane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
cis-1,3-Dichloropropene	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Trichloroethene	470	**470**	700	11 U	12 U	12 U J	12 U J	2 J	24	12 U	11 U	12 U	58 U J	[690]	130	3 J	2 J	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Dibromochloromethane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
1,1,2-Trichloroethane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Benzene	60	**60**	60	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	0.8 J	0.4 J	11 U	2000 U	2200 U	1800 U	1900 U	0.3 J	[1200] J
trans-1,3-Dichloropropene	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Bromoform	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
4-Methyl-2-Pentanone	NA	**NA**	1000	11 U	12 U J	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
2-Hexanone	NA	**NA**	NA	11 U	12 U J	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Tetrachloroethene	150000	**1300**	1400	11 U	12 U	12 U J	12 U J	0.9 J	11 U	12 U	11 U	12 U	58 U J	11 J	3 J	0.6 J	11 U	2000 U	2200 U	1800 U	1900 U	0.7 J	9300 U
1,1,2,2-Tetrachloroethane	NA	**NA**	600	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Toluene	700	**700**	1500	11 U	12 U	12 U J	12 U J	5 J	11 U	12 U	11 U	12 U	58 U J	5 J	1 J	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	[4100] J
Chlorobenzene	500000	**1100**	1700	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Ethylbenzene	1000	**1000**	5500	11 U	12 U	12 U J	12 U J	11 J	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	0.4 J	11 U	2000 U	2200 U	1800 U	140 J	12 U	[3200] J
Styrene	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Xylene (total)	1600	**260**	1200	11 U	12 U	12 U J	12 U J	50	11 U	12 U	11 U	12 U	58 U J	4 J	23 U	2 J	11 U	2000 U	2200 U	1800 U	[1600] J	0.9 J	[16000]
cis-1,2-Dichloroethene	250	**250**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	2 J	1 J	11 U	11 U	2000 U	2200 U	1800 U	1900 U	0.8 J	[3700] J
trans-1,2-Dichloroethene	190	**190**	300	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	[540] J
Methyl Tertiary Butyl Ether	500000	**930**	120	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Dichlorodifluoromethane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U J
Trichlorofluoromethane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Trichlorotrifluoroethane	NA	**NA**	6000	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U J	2200 U J	1800 U J	1900 U J	12 U	9300 U
Methyl Acetate	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Cyclohexane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	3700	12 U	8000 J
Methyl Cyclohexane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	15	11 U	12 U	11 U	12 U	460 J	56 U	23 U	11 U	11 U	2000 U	3300 J	1800 U J	14000	8 J	43000
1,2-Dibromoethane	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Isopropylbenzene	NA	**NA**	NA	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	1100 J	1000 J	270 J	2 J	1700 J
1,3-Dichlorobenzene	280000	**2400**	1600	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
1,4-Dichlorobenzene	130000	**1800**	8500	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
1,2-Dichlorobenzene	1100	**1100**	7900	11 U	12 U	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	0.4 J	9300 U
1,2-Dibromo-3-chloropropane	NA	**NA**	NA	11 U	12 U J	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
1,2,4-Trichlorobenzene	NA	**NA**	3400	11 U	12 U J	12 U J	12 U J	11 U	11 U	12 U	11 U	12 U	58 U J	56 U	23 U	11 U	11 U	2000 U	2200 U	1800 U	1900 U	12 U	9300 U
Total VOCs	NA	**NA**	10000	14	15	17	26	94.9	24	24	12	0	665	712	135.8	6.4	2	0	5150	1710	20390	73.1	85140
Total VOC TICs	NA	**NA**	NA	7	0	0	0	265	0	0	0	0	5859	0	24	0	0	328300	875000	290000	328400	249	11420

Table 2-4
Summary of Soil Sample Analytical Results - Volatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		SB-08	SB-09	SB-09	SB-09	SB-09	SB-10	SB-10	SB-11	SB-11	SB-12	SB-13	SB-13	SB-14	SB-14	SB-15	SB-15	SB-16	SB-16	SB-17	SB-17
	Part 375	**Part 375**	NYSDEC	209370-019	209389-001	209389-002	209389-018	209389-015	209389-003	209370-020	209389-004	209389-005	209389-006	209389-007	209389-008	209389-009	209389-010	209389-011	209389-012	209389-013	209389-014	209403-001	209403-002
	Restricted SCO	**Unrestricted**	TAGM 4046	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/27/2005	4/27/2005
CONSTITUENT (ug/kg)	Comm & Prot GW	**SCO**	RSCOs	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Starting Depth (feet)				12	6	10	1	1	1	4	0	8	1	6	10	12	13	17	19	10	14	4	12
Ending Depth (feet)				14	8	11.5	4	4	4	8	2	11	3	8	12	13	16	19	21	12	16	6	14
Chloromethane	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Bromomethane	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U J	11 U J	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Vinyl chloride	20	**20**	200	12 U	88000 U	55 U	[2400] J	[4400] J	2 J	12 U	11 U	11 U	3 J	3 J	11 U	[79] J	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Chloroethane	NA	**NA**	1900	12 U J	88000 U	55 U J	9000 U	17000 U	9 J	12 U J	11 U J	11 U J	11 U J	59 U J	11 U J	120 U J	11 U J	2100 U	12 U J	1800 U	1700 U	7200 U	11 U J
Methylene Chloride	500000	**50**	100	12 U J	88000 U	55 U J	9000 U	17000 U	12 U J	15 U J	11 U J	11 U J	11 U J	59 U J	11 U J	120 U J	11 U J	2100 U	12 U J	1800 U	1700 U	7200 U	11 U J
Acetone	500000	**50**	200	34	88000 U	[490]	[28000]	[44000]	13	25	11 U	11 U	29 U	33 J	16 J	120 U	8 J	2100 U	39	1800 U	1700 U	7200 U J	7 J
Carbon Disulfide	NA	**NA**	2700	2 J	88000 U	55 U	9000 U	17000 U	2 J	0.8 J	1 J	11 U	1 J	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
1,1-Dichloroethene	330	**330**	400	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
1,1-Dichloroethane	270	**270**	200	12 U	88000 U	55 U	[2100] J	[4500] J	3 J	12 U	11 U	11 U	2 J	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Chloroform	350000	**370**	300	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
1,2-Dichloroethane	20	**20**	100	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
2-Butanone	500000	**120**	300	12 U J	88000 U	30 J	10000 U	17000 U	12 U J	12 U J	11 U	11 U	11 U	59 U	4 J	120 U	11 U	[940] J	12 U	[610] J	[550] J	7200 U	11 U J
1,1,1-Trichloroethane	680	**680**	800	12 U	88000 U	55 U	[930] J	[1600] J	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Carbon Tetrachloride	22000	**760**	600	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Bromodichloromethane	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
1,2-Dichloropropane	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
cis-1,3-Dichloropropene	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Trichloroethene	470	**470**	700	12 U	88000 U	55 U	[7900] J	[5900] J	12 U	12 U	9 J	2 J	8 J	59 U	11 U	270	11 U	2100 U	12 U	1800 U	1700 U	[71000]	1 J
Dibromochloromethane	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
1,1,2-Trichloroethane	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Benzene	60	**60**	60	2 J	88000 U	55 U	9000 U	17000 U	1 J	0.3 J	11 U	11 U	11 U	59 U	11 U	120 U	11 U	[270] J	3 J	1800 U	1700 U	7200 U	11 U
trans-1,3-Dichloropropene	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Bromoform	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
4-Methyl-2-Pentanone	NA	**NA**	1000	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
2-Hexanone	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 J	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Tetrachloroethene	150000	**1300**	1400	0.4 J	88000 U	55 U	[16000]	[18000]	12 U	2 J	1 J	2 J	10 J	59 U	11 U	42 J	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
1,1,2,2-Tetrachloroethane	NA	**NA**	600	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 J	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Toluene	700	**700**	1500	27	[750000]	76	[150000]	[230000]	12 U	5 J	3 J	0.5 J	2 J	59 U	0.5 J	120 U	0.4 J	420 J	1 J	[30000]	240 J	7200 U	11 U
Chlorobenzene	500000	**1100**	1700	3 J	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Ethylbenzene	1000	**1000**	5500	14	[48000] J	51 J	[34000]	[52000]	12 U	1 J	0.9 J	11 U	0.4 J	59 U	0.5 J	140	11 U	440 J	1 J	[2400]	1700 U	7200 U	11 U
Styrene	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Xylene (total)	1600	**260**	1200	76	[300000]	[530]	[220000]	[350000]	[320]	6 J	3 J	1 J	3 J	5 J	3 J	[290]	11 U	[810] J	3 J	[13000]	[660] J	7200 U	0.4 J
cis-1,2-Dichloroethene	250	**250**	NA	2 J	88000 U	55 U	[29000]	[47000]	3 J	12 U	16	1 J	160	5 J	11 U	[410]	11 U	2100 U	12 U	1800 U	1700 U	[11000]	2 J
trans-1,2-Dichloroethene	190	**190**	300	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	3 J	11 U	7 J	59 U	11 U	20 J	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Methyl Tertiary Butyl Ether	500000	**930**	120	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Dichlorodifluoromethane	NA	**NA**	NA	12 U	88000 U J	55 U	9000 U J	17000 U J	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Trichlorofluoromethane	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Trichlorotrifluoroethane	NA	**NA**	6000	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	1 J	1800 U	1700 U	7200 U	11 U
Methyl Acetate	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Cyclohexane	NA	**NA**	NA	8 J	88000 U	55 U	9000 U	17000 U	11 J	12 U	11 U	11 U	11 U	59 U	11 U	140	11 U	9700	12 U	640 J	1700 U	7200 U	11 U
Methyl Cyclohexane	NA	**NA**	NA	66	58000 J	28 J	9000 U	17000 U	160	7 J	11 U	11 U	11 U	130 J	0.9 J	1800	11 U	30000	12 U	2400	1700 U	7200 U	11 U
1,2-Dibromoethane	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Isopropylbenzene	NA	**NA**	NA	9 J	88000 U	9 J	3400 J	5500 J	12 U	20	11 U	11 U	0.5 J	59 U	2 J	120 U	11 U	3300	34	430 J	1700 U	7200 U	11 U
1,3-Dichlorobenzene	280000	**2400**	1600	12 U	88000 U	6 J	9000 U	17000 U	12 U	0.5 J	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
1,4-Dichlorobenzene	130000	**1800**	8500	1 J	88000 U	19 J	9000 U	17000 U	12 U	3 J	1 J	11 U	11 U	59 U	11 U	46 J	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
1,2-Dichlorobenzene	1100	**1100**	7900	18	[19000] J	110	[8700] J	[16000] J	15	42	1 J	11 U	0.8 J	59 U	3 J	420	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
1,2-Dibromo-3-chloropropane	NA	**NA**	NA	12 U	88000 U	55 U	9000 U	17000 U	12 U	12 U	11 U	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
1,2,4-Trichlorobenzene	NA	**NA**	3400	12 U	790 J	55 U	9000 U	17000 U	12 U	12 U	2 J	11 U	11 U	59 U	11 U	120 U	11 U	2100 U	12 U	1800 U	1700 U	7200 U	11 U
Total VOCs	NA	**NA**	10000	262.4	1175790	1349	502430	778900	539	112.6	40.9	6.5	197.7	176	51.9	3657	8.4	45880	82	49480	1450	82000	10.4
Total VOC TICs	NA	**NA**	NA	1073	269000	8150	397300	949000	1698	5528	176	0	410	6440	7123	11280	888	516000	1232	349600	154800	0	5278

Table 2-4
Summary of Soil Sample Analytical Results - Volatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		SB-18	SB-18	SB-18	SB-19	SB-19	SB-20	SB-20	SB-21	SB-21	SB-22	SB-22	SB-23	SB-23	SB-24	SB-24	SB-24	SB-25	SB-25	SB-26	SB-26
	Part 375	**Part 375**	NYSDEC	209403-003	209403-004	209403-013	209403-005	209403-006	209403-007	209403-008	209403-009	209403-010	209403-011	209403-012	209403-016	209403-017	209403-018	209403-019	209403-020	209404-001	209404-002	209404-003	209404-004
	Restricted SCO	**Unrestricted**	TAGM 4046	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005
CONSTITUENT (ug/kg)	Comm & Prot GW	**SCO**	RSCOs	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Starting Depth (feet)				16	20	20	12	16	12	23	4	20	2	8	8	20	8	18	24	16	20	0	4
Ending Depth (feet)				20	22	22	16	20	15	27.5	8	24	4	12	12	22	12	20	28	20	24	4	8
Chloromethane	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Bromomethane	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Vinyl chloride	20	**20**	200	130 U	11 U	11 U	12 J	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Chloroethane	NA	**NA**	1900	130 U J	11 U J	11 U J	61 U J	65 U J	1900 U	57 U J	1900 U	12 U J	11 U J	14 U J	11 U J	12 U J	12 U J	12 U J	12 U J	12 U J	12 U J	12 U J	12 U J
Methylene Chloride	500000	**50**	100	130 U J	11 U J	11 U J	61 U J	65 U J	1900 U	57 U J	1900 U	12 U J	11 U J	14 U J	11 U J	12 U J	12 U J	12 U J	12 U J	12 U J	12 U J	12 U J	12 U J
Acetone	500000	**50**	200	[70] J	15	11 J	[340] J	[210] J	1900 U	47 J	1900 U	15	11 U	14 U	11 U	6 J	6 J	12 U	44	12 U	12 U	12 U	12 U
Carbon Disulfide	NA	**NA**	2700	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	1 J	12 U	12 U	12 U	12 U	12 U	12 U
1,1-Dichloroethene	330	**330**	400	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,1-Dichloroethane	270	**270**	200	130 U	11 U	11 U	21 J	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Chloroform	350000	**370**	300	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	2 J	12 U	12 U	12 U	0.3 J	1 J	12 U	12 U
1,2-Dichloroethane	20	**20**	100	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
2-Butanone	500000	**120**	300	130 U	11 U	11 U J	61 U J	65 U	[760] J	57 U	[580] J	12 U	11 U J	14 U J	11 U J	12 U J	12 U J	12 U J	14 J	12 U J	12 U J	12 U J	12 U J
1,1,1-Trichloroethane	680	**680**	800	130 U	11 U	11 U	16 J	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Carbon Tetrachloride	22000	**760**	600	130 U	11 U	11 U	1 J	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Bromodichloromethane	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2-Dichloropropane	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Trichloroethene	470	**470**	700	270	3 J	11 U	[800] J	65 U	110 J	57 U	1900 U	12 U	2 J	13 J	4 J	35	3 J	12 U	1 J	66	63	1 J	1 J
Dibromochloromethane	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,1,2-Trichloroethane	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Benzene	60	**60**	60	130 U	11 U	11 U	15 J	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	1 J	0.7 J	0.4 J	12 U	12 U	12 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Bromoform	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
4-Methyl-2-Pentanone	NA	**NA**	1000	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
2-Hexanone	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Tetrachloroethene	150000	**1300**	1400	13 J	0.5 J	11 U	51 J	65 U	1900 U	57 U	1900 U	12 U	0.6 J	14 U	4 J	16	1 J	12 U	0.4 J	18	13	12 U	0.6 J
1,1,2,2-Tetrachloroethane	NA	**NA**	600	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Toluene	700	**700**	1500	130 U	0.8 J	11 U	61 U	65 U	160 J	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Chlorobenzene	500000	**1100**	1700	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Ethylbenzene	1000	**1000**	5500	130 U	5 J	11 U	5 J	3 J	[4100]	57 U	1900 U	1 J	11 U	14 U	0.3 J	0.3 J	3 J	12 U	12 U	12 U	12 U	12 U	0.9 J
Styrene	NA	**NA**	NA	130 U	11 U	11 U	2 J	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Xylene (total)	1600	**260**	1200	130 U	11 U	11 U	10 J	2 J	[7100]	57 U	1900 U	12	11 U	14 U	2 J	2 J	12 J	12 U	12 U	12 U	12 U	12 U	3 J
cis-1,2-Dichloroethene	250	**250**	NA	140	2 J	1 J	[270] J	5 J	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	2 J	12 U	12 U	12 U	6 J	1 J	12 U	0.5 J
trans-1,2-Dichloroethene	190	**190**	300	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Methyl Tertiary Butyl Ether	500000	**930**	120	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Dichlorodifluoromethane	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Trichlorofluoromethane	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	1 J	1 J	12 U	12 U	12 U	12 U	12 U	12 U
Trichlorotrifluoroethane	NA	**NA**	6000	130 U	11 U	2 J	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	1 J	0.5 J	12 U	12 U	12 U	0.5 J	12 U	12 U	12 U
Methyl Acetate	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Cyclohexane	NA	**NA**	NA	130 U	11 U	11 U	61 U	240 J	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Methyl Cyclohexane	NA	**NA**	NA	790	11 U	19	580 J	610 J	13000	67	130 J	12	11 U	14 U	2 J	12 U	3 J	12 U	12 U	12 U	12 U	12 U	12 U
1,2-Dibromoethane	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Isopropylbenzene	NA	**NA**	NA	130 U	10 J	0.8 J	35 J	65 U	1700 J	6 J	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,3-Dichlorobenzene	280000	**2400**	1600	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,4-Dichlorobenzene	130000	**1800**	8500	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2-Dichlorobenzene	1100	**1100**	7900	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	3 J	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2-Dibromo-3-chloropropane	NA	**NA**	NA	130 U	11 U	11 U	61 U	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2,4-Trichlorobenzene	NA	**NA**	3400	130 U	11 U	11 U	7 J	65 U	1900 U	57 U	1900 U	12 U	11 U	14 U	11 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Total VOCs	NA	**NA**	10000	1283	36.3	33.8	2165	1070	26930	120	710	43	2.6	13	14.3	65.5	30.4	0	59.4	90.8	78	1	6
Total VOC TICs	NA	**NA**	NA	31430	1796	2328	10120	4260	471900	5170	149260	1666	7	0	0	0	22	0	0	16	0	0	0

Table 2-4
Summary of Soil Sample Analytical Results - Volatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

CONSTITUENT (ug/kg)	NYSDEC Part 375 Restricted SCO Comm & Prot GW	**NYSDEC Part 375 Unrestricted SCO**	NYSDEC TAGM 4046 RSCOs	SB-27 209404-005 4/28/2005 Primary 4 8	SB-27 209404-006 4/28/2005 Primary 8 11	SB-28 213407-001 7/31/2006 Primary 6 8	SB-28 213407-002 7/31/2006 Primary 10 12	SB-29 213407-005 8/1/2006 Primary 8 10	SB-29 213407-006 8/1/2006 Primary 12 14	SB-30 213407-011 8/2/2006 Primary 10 14	SB-30 213407-014 8/2/2006 Duplicate 1 10 14	SB-30 213407-012 8/2/2006 Primary 14 16	SB-31 213432-001 8/4/2006 Primary 12 14	SB-31 213432-002 8/4/2006 Primary 16 18	SB-32 213432-004 8/4/2006 Primary 0 4	SB-32 213432-006 8/4/2006 Duplicate 1 0 4	SB-32 213432-005 8/4/2006 Primary 4 8	SB-33 213432-007 8/4/2006 Primary 0 4	SB-33 213432-008 8/4/2006 Primary 4 8	SB-34 213432-010 8/4/2006 Primary 4 8	SB-34 213432-009 8/4/2006 Primary 0 4	SB-35 213432-011 8/4/2006 Primary 16 20	SB-35 213432-012 8/4/2006 Primary 36 40
Chloromethane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U J	120 U	2000 U J	12 U J	12 U J	13 U J	15 U J	1700 U J	12 U J
Bromomethane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U J	120 U J	1800 U	120 U J	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Vinyl chloride	20	**20**	200	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U J	120 U	2000 U J	12 U J	12 U J	13 U J	15 U J	1700 U J	12 U J
Chloroethane	NA	**NA**	1900	12 U J	13 U J	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U J	120 U	2000 U J	12 U J	12 U J	13 U J	15 U J	1700 U J	12 U J
Methylene Chloride	500000	**50**	100	12 U J	13 U J	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	[83] J	1800 U	[92] J	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Acetone	500000	**50**	200	12 U	13 U	16 J	[79] J	[58] J	29	38 J	[71] J	10 J	28	[110] J	1800 U J	120 U	2000 U J	31 J	47 J	[79] J	17	1700 U J	44 J
Carbon Disulfide	NA	**NA**	2700	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	2 J	0.7 J	120 U	1800 U	120 U	2000 U	0.5 J	1 J	1 J	15 U J	1700 U	12 U J
1,1-Dichloroethene	330	**330**	400	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
1,1-Dichloroethane	270	**270**	200	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	2 J	12 U J	13 U J	15 U J	1700 U	12 U J
Chloroform	350000	**370**	300	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
1,2-Dichloroethane	20	**20**	100	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
2-Butanone	500000	**120**	300	12 U J	13 U J	11 U J	11 U J	51 J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	[140] J	12 U J	13 U J	15 U J	1700 U	12 U J
1,1,1-Trichloroethane	680	**680**	800	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	7 J	12 U J	13 U J	15 U J	1700 U	12 U J
Carbon Tetrachloride	22000	**760**	600	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Bromodichloromethane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
1,2-Dichloropropane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
cis-1,3-Dichloropropene	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Trichloroethene	470	**470**	700	17	3 J	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	5 J	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Dibromochloromethane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
1,1,2-Trichloroethane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Benzene	60	**60**	60	12 U	13 U	11 U J	11 U J	12 U J	11 U	0.3 J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	0.7 J	0.4 J	13 U J	15 U J	1700 U	0.9 J
trans-1,3-Dichloropropene	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Bromoform	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
4-Methyl-2-Pentanone	NA	**NA**	1000	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U J	120 U J	1800 U	120 U J	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
2-Hexanone	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U J	120 U J	1800 U	120 U J	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Tetrachloroethene	150000	**1300**	1400	6 J	2 J	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	14 J	2000 U	12 U J	12 U J	13 U J	0.7 J	1700 U	12 U J
1,1,2,2-Tetrachloroethane	NA	**NA**	600	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Toluene	700	**700**	1500	12 U	13 U	0.5 J	11 U J	12 U J	11 U	1 J	0.8 J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Chlorobenzene	500000	**1100**	1700	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Ethylbenzene	1000	**1000**	5500	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	180 J	12 U J	12 U J	13 U J	15 U J	[1900]	3 J
Styrene	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Xylene (total)	1600	**260**	1200	12 U	13 U	11 U J	2 J	0.5 J	11 U	13 U J	13 U J	12 U J	3 J	120 U	[59000]	[3500]	[20000]	16 J	12 U J	13 U J	15 U J	[6200]	12 U J
cis-1,2-Dichloroethene	250	**250**	NA	0.6 J	0.5 J	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	0.6 J	13 U J	15 U J	1700 U	12 U J
trans-1,2-Dichloroethene	190	**190**	300	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Methyl Tertiary Butyl Ether	500000	**930**	120	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	0.4 J
Dichlorodifluoromethane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U J	120 U	2000 U J	12 U J	12 U J	13 U J	15 U J	1700 U J	12 U J
Trichlorofluoromethane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U J	120 U	2000 U J	12 U J	12 U J	13 U J	15 U J	1700 U J	12 U J
Trichlorotrifluoroethane	NA	**NA**	6000	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Methyl Acetate	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Cyclohexane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1300 J	12 U J
Methyl Cyclohexane	NA	**NA**	NA	12 U	13 U	11 U J	23 J	12 U J	11 U	30 J	40 J	12 U J	13 U	63 J	900 J	17 J	2000 U	0.9 J	5 J	5 J	15 U J	6700	5 J
1,2-Dibromoethane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Isopropylbenzene	NA	**NA**	NA	12 U	13 U	11 U J	11 J	2 J	11 U	4 J	11 J	1 J	13 U	120 U	960 J	18 J	670 J	0.4 J	12 U J	2 J	15 U J	650 J	2 J
1,3-Dichlorobenzene	280000	**2400**	1600	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
1,4-Dichlorobenzene	130000	**1800**	8500	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
1,2-Dichlorobenzene	1100	**1100**	7900	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U	120 U	1800 U	120 U	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
1,2-Dibromo-3-chloropropane	NA	**NA**	NA	12 U	13 U	11 U J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	R	R	1800 U	R	2000 U	R	R	R	R	1700 U	R
1,2,4-Trichlorobenzene	NA	**NA**	3400	12 U	13 U	0.5 J	11 U J	12 U J	11 U	13 U J	13 U J	12 U J	13 U J	120 U J	1800 U	120 U J	2000 U	12 U J	12 U J	13 U J	15 U J	1700 U	12 U J
Total VOCs	NA	**NA**	10000	23.6	5.5	17	115	111.5	29	73.3	122.8	13	31.7	256	60860	3646	20850	198.5	54	87	17.7	16750	55.3
Total VOC TICs	NA	**NA**	NA	0	0	7	499	277	497	1031	13350	342	10980	58380	448000	100515	378100	3232	780	585	0	137100	498

Table 2-4
Summary of Soil Sample Analytical Results - Volatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

CONSTITUENT (ug/kg)	NYSDEC Part 375 Restricted SCO Comm & Prot GW	**NYSDEC Part 375 Unrestricted SCO**	NYSDEC TAGM 4046 RSCOs	SB-36 213432-014 8/7/2006 Primary	SB-36 213432-015 8/7/2006 Primary	SB-37 213432-018 8/7/2006 Primary	SB-37 213432-019 8/7/2006 Primary	SB-38 213432-016 8/7/2006 Primary	SB-38 213432-017 8/7/2006 Primary	SB-39 213432-020 8/7/2006 Primary	SB-39 213443-001 8/7/2006 Primary	SB-40 213443-002 8/7/2006 Primary	SS-BLDGB-01 209775-001 6/7/2005 Primary	SS-BLDGB-02 209775-002 6/7/2005 Primary
Starting Depth (feet)				12	16	16	12	4	0	0	28	4	0	0
Ending Depth (feet)				16	20	20	16	8	4	4	32	5.5	0	0
Chloromethane	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Bromomethane	NA	**NA**	NA	12 U J	12 U J	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Vinyl chloride	20	**20**	200	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Chloroethane	NA	**NA**	1900	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Methylene Chloride	500000	**50**	100	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	25 U
Acetone	500000	**50**	200	18 J	21	17 J	26 J	12 J	16 J	13 J	13 U J	27 J	12 U J	30 J
Carbon Disulfide	NA	**NA**	2700	0.5 J	12 U	11 U J	1 J	0.5 J	11 U J	12 U J	13 U J	0.8 J	12 U	11 U
1,1-Dichloroethene	330	**330**	400	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
1,1-Dichloroethane	270	**270**	200	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Chloroform	350000	**370**	300	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
1,2-Dichloroethane	20	**20**	100	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
2-Butanone	500000	**120**	300	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
1,1,1-Trichloroethane	680	**680**	800	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	2 J	12 U J	12 U	11 U
Carbon Tetrachloride	22000	**760**	600	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Bromodichloromethane	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
1,2-Dichloropropane	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
cis-1,3-Dichloropropene	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Trichloroethene	470	**470**	700	12 U	12 U	1 J	2 J	42 J	5 J	12 U J	37 J	12 U J	12 U	11 U
Dibromochloromethane	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
1,1,2-Trichloroethane	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Benzene	60	**60**	60	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
trans-1,3-Dichloropropene	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Bromoform	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
4-Methyl-2-Pentanone	NA	**NA**	1000	12 U J	12 U J	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
2-Hexanone	NA	**NA**	NA	12 U J	12 U J	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Tetrachloroethene	150000	**1300**	1400	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 J	12 U J	12 U	0.3 J
1,1,2,2-Tetrachloroethane	NA	**NA**	600	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Toluene	700	**700**	1500	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Chlorobenzene	500000	**1100**	1700	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Ethylbenzene	1000	**1000**	5500	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Styrene	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Xylene (total)	1600	**260**	1200	1 J	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	4 J
cis-1,2-Dichloroethene	250	**250**	NA	12 U	12 U	1 J	1 J	98 J	7 J	12 U J	13 U J	0.8 J	12 U	11 U
trans-1,2-Dichloroethene	190	**190**	300	12 U	12 U	11 U J	12 U	2 J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Methyl Tertiary Butyl Ether	500000	**930**	120	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Dichlorodifluoromethane	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Trichlorofluoromethane	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Trichlorotrifluoroethane	NA	**NA**	6000	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Methyl Acetate	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Cyclohexane	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Methyl Cyclohexane	NA	**NA**	NA	18	3 J	11 U J	50 J	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	2 J
1,2-Dibromoethane	NA	**NA**	NA	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Isopropylbenzene	NA	**NA**	NA	11 J	1 J	11 U J	14 J	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
1,3-Dichlorobenzene	280000	**2400**	1600	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
1,4-Dichlorobenzene	130000	**1800**	8500	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
1,2-Dichlorobenzene	1100	**1100**	7900	12 U	12 U	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
1,2-Dibromo-3-chloropropane	NA	**NA**	NA	R	R	R	R	R	R	R	R	R	12 U	11 U
1,2,4-Trichlorobenzene	NA	**NA**	3400	12 U J	12 U J	11 U J	12 U	12 U J	11 U J	12 U J	13 U J	12 U J	12 U	11 U
Total VOCs	NA	**NA**	10000	48.5	25	19	94	154.5	28	13	52	28.6	0	36.3
Total VOC TICs	NA	**NA**	NA	8380	1115	175	529	305	0	1410	129	17	17105	3759

Table 2- 5
Summary of Soil Sample Analytical Results - Semivolatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		MW-5D	MW-5D	MW-6D	MW-6D	SB-01	SB-01	SB-02	SB-02	SB-03	SB-03	SB-04	SB-04	SB-05	SB-05	SB-06	SB-06	SB-06	SB-07	SB-07	SB-08	SB-08	SB-09	SB-09	SB-09	SB-09
	Part 375	**Part 375**	NYSDEC	213407-003	213407-007	213407-008	213407-009	209370-001	209370-002	209370-003	209370-004	209370-005	209370-006	209370-007	209370-008	209370-009	209370-010	209370-011	209370-012	209370-013	209370-016	209370-017	209370-018	209370-019	209389-001	209389-002	209389-018	209389-015
	Restricted SCO	**Unrestricted**	TAGM 4046	7/31/2006	8/1/2006	8/1/2006	8/1/2006	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005
CONSTITUENT (ug/kg)	Comm. & Prot. GW	**SCO**	RSCOs	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1
Starting Depth (feet)				24	34	34	39	0	4	12	20	16	20	8	12	0	8	4	8	8	4	9	2	12	6	10	1	1
Ending Depth (feet)				26	36	36	41	2	8	16	22	20	22	12	16	2	12	8	10.5	10.5	8	11	4	14	8	11.5	4	4
Phenol	500000	**330**	30	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U	380 U	360 U	1600 U	1500 U
Bis(2-chloroethyl)ether	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U	380 U	360 U	1600 U	1500 U
2-Chlorophenol	NA	**NA**	800	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U	380 U	360 U	1600 U	1500 U
2-Methylphenol	330	**330**	100	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U	380 U	360 U	1600 U	1500 U
2,2'-oxybis(1-Chloropropane)	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U	380 U	360 U	1600 U	1500 U
4-Methylphenol	330	**330**	900	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U	[550]	360 U	1600 U	1500 U
N-Nitroso-di-n-propylamine	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U	380 U	360 U	1600 U	1500 U
Hexachloroethane	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U	380 U	360 U	1600 U	1500 U
Nitrobenzene	NA	**NA**	200	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U	360 U	1600 U	1500 U
Isophorone	NA	**NA**	4400	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U	360 U	1600 U	1500 U
2-Nitrophenol	NA	**NA**	330	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U	360 U	1600 U	1500 U
2,4-Dimethylphenol	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U J	370 U J	400 U J	360 U J	380 U J	370 U J	360 U J	19000 U J	710 U J	3700 U J	440 U J	960 U J	800 U J	2000 U J	390 U J	2000 U J	390 U J	380 U	360 U	1600 U	1500 U
Bis(2-chloroethoxy)methane	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U	360 U	1600 U	1500 U
2,4-Dichlorophenol	NA	**NA**	400	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U	360 U	1600 U	1500 U
Naphthalene	500000	**12000**	13000	270 J	390 U	390 U	390 U	140 J	45 J	400 U	360 U	380 U	370 U	460	2600 J	160 J	650 J	440 U	790 J	650 J	5000	390 U	1600 J	58 J	1800	150 J	3000	4200
4-Chloroaniline	NA	**NA**	220	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U	360 U	1600 U	1500 U
Hexachlorobutadiene	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U	360 U	1600 U	1500 U
4-Chloro-3-methylphenol	NA	**NA**	240	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U J	390 U J	380 U	360 U	1600 U	1500 U
2-Methylnaphthalene	NA	**NA**	36400	160 J	390 U	390 U	390 U	92 J	41 J	400 U	360 U	380 U	370 U	700	19000 U	97 J	730 J	130 J	420 J	310 J	1600 J	390 U	4400	150 J	3000	510	1000 J	1700
Hexachlorocyclopentadiene	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U J	360 U	1600 U	1500 U
2,4,6-Trichlorophenol	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U J	360 U	1600 U	1500 U
2,4,5-Trichlorophenol	NA	**NA**	100	1800 U	980 U	980 U	980 U	1900 U	930 U	1000 U	910 U	960 U	940 U	920 U	47000 U	1800 U	9200 U	1100 U	2400 U	2000 U	5100 U	990 U	5100 U	990 U J	960 U J	900 U	4000 U	3800 U
2-Chloronaphthalene	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U J	360 U	1600 U	1500 U
2-Nitroaniline	NA	**NA**	430	1800 U	980 U	980 U	980 U	1900 U	930 U	1000 U	910 U	960 U	940 U	920 U	47000 U	1800 U	9200 U	1100 U	2400 U	2000 U	5100 U	990 U	5100 U	990 U J	960 U J	900 U	4000 U	3800 U
Dimethyl phthalate	NA	**NA**	2000	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U J	360 U	1600 U	1500 U
Acenaphthylene	500000	**100000**	41000	110 J	390 U	390 U	390 U	210 J	91 J	400 U	360 U	380 U	370 U	230 J	12000 J	230 J	1200 J	440 U	960 U	290 J	2000 U	390 U	340 J	390 U J	380 U J	360 U	1600 U	1500 U
2,6-Dinitrotoluene	NA	**NA**	1000	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U J	360 U	1600 U	1500 U
3-Nitroaniline	NA	**NA**	500	1800 U	980 U	980 U	980 U	1900 U	930 U	1000 U	910 U	960 U	940 U	920 U	47000 U	1800 U	9200 U	1100 U	2400 U	2000 U	5100 U	990 U	5100 U	990 U J	960 U J	900 U	4000 U	3800 U
Acenaphthene	500000	**20000**	50000	310 J	390 U	390 U	390 U	120 J	85 J	400 U	360 U	380 U	370 U	96 J	19000 U	120 J	3700 U	640	2000	1600	2000 U	390 U	280 J	390 U J	190 J	360 U	210 J	190 J
2,4-Dinitrophenol	NA	**NA**	200	1800 U	980 U	980 U	980 U	1900 U J	930 U	1000 U	910 U	960 U	940 U	920 U	47000 U J	1800 U	9200 U J	1100 U	2400 U J	2000 U J	5100 U	990 U	5100 U J	990 U J	960 U J	900 U	4000 U	3800 U
4-Nitrophenol	NA	**NA**	100	1800 U	980 U	980 U	980 U	1900 U	930 U	1000 U	910 U	960 U	940 U	920 U	47000 U	1800 U	9200 U	1100 U	2400 U	2000 U	5100 U	990 U	5100 U J	990 U J	960 U J	900 U	4000 U	3800 U
Dibenzofuran	350000	**7000**	6200	320 J	390 U	390 U	390 U	94 J	91 J	400 U	360 U	380 U	370 U	270 J	4400 J	110 J	3700 U	440 U	940 J	690 J	2000 U	390 U	2000 U	390 U J	380 J	360 U	250 J	280 J
2,4-Dinitrotoluene	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U J	360 U	1600 U	1500 U
Diethyl phthalate	NA	**NA**	7100	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U J	360 U	1600 U	1500 U
4-Chlorophenyl phenyl ether	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U J	360 U	1600 U	1500 U
Fluorene	500000	**30000**	50000	430 J	390 U	390 U	390 U	160 J	160 J	400 U	360 U	380 U	370 U	110 J	5600 J	150 J	3700 U	570	1700	1400	1000 J	390 U	880 J	390 U J	460 J	51 J	260 J	290 J
4-Nitroaniline	NA	**NA**	NA	1800 U	980 U	980 U	980 U	1900 U	930 U	1000 U	910 U	960 U	940 U	920 U	47000 U	1800 U	9200 U	1100 U	2400 U	2000 U	5100 U	990 U	5100 U	990 U J	960 U J	900 U	4000 U	3800 U
4,6-Dinitro-2-methylphenol	NA	**NA**	NA	1800 U	980 U	980 U	980 U	1900 U	930 U	1000 U	910 U	960 U	940 U	920 U	47000 U	1800 U	9200 U	1100 U	2400 U	2000 U	5100 U	990 U J	5100 U	990 U	960 U J	900 U	4000 U	3800 U
N-Nitrosodiphenylamine	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U J	2000 U	390 U	380 U J	360 U	1600 U	1500 U
4-Bromophenyl phenyl ether	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U J	2000 U	390 U	380 U J	360 U	1600 U	1500 U
Hexachlorobenzene	6000	**330**	410	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U J	2000 U	390 U	380 U J	360 U	1600 U	1500 U
Pentachlorophenol	6700	**800**	1000	1800 U	980 U	980 U	980 U	1900 U	930 U	1000 U	910 U	960 U	940 U	920 U	47000 U	1800 U	9200 U	1100 U	2400 U	2000 U	5100 U	990 U J	5100 U J	990 U	960 U J	900 U	4000 U	3800 U
Phenanthrene	500000	**100000**	50000	3200	140 J	390 U	390 U	2200	1600	400 U	360 U	380 U	370 U	1300	46000	1400	4100	1400	5700	4600	3600	390 U J	2500	96 J	1100 J	120 J	2800	2400
Anthracene	500000	**100000**	50000	850	390 U	390 U	390 U	630 J	390	400 U	360 U	380 U	370 U	320 J	15000 J	410 J	1700 J	290 J	1100	880	710 J	390 U J	250 J	390 U	150 J	360 U	350 J	290 J
Carbazole	NA	**NA**	NA	240 J	390 U	390 U	390 U	210 J	230 J	400 U	360 U	380 U	370 U	150 J	2400 J	120 J	3700 U	440 U	120 J	110 J	2000 U	390 U J	2000 U	390 U	380 U	360 U	250 J	230 J
Di-n-butyl phthalate	NA	**NA**	8100	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U J	2000 U	390 U	230 J	360 U	1600 U	1500 U
Fluoranthene	500000	**100000**	50000	2900	120 J	47 J	390 U	4600	1900	42 J	360 U	380 U	370 U	1500	69000	2200	12000	1200	3100	2600	3000	390 U J	1100 J	57 J	780 J	70 J	4300	3600
Pyrene	500000	**100000**	50000	2900	110 J	48 J	390 U	3200	1800	43 J	360 U	380 U	370 U	1700	58000	2000	10000	1500	3000	2500	4300	390 U J	730 J	60 J	580	37 J	1800	1500
Butyl benzyl phthalate	NA	**NA**	50000	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	110 J	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U J	2000 U	390 U	380 U	360 U	1600 U	1500 U
3,3-Dichlorobenzidine	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U J	2000 U	390 U	380 U	360 U	1600 U	1500 U
Benzo(a)anthracene	5600	**1000**	224	[1400]	58 J	390 U	390 U	[1700]	870	400 U	360 U	380 U	370 U	850	[28000]	[1100]	[5600]	380 J	710 J	620 J	[1200] J	390 U J	480 J	390 U	310 J	360 U	[1300] J	980 J
Chrysene	56000	**1000**	400	[1300]	56 J	390 U	390 U	[2500]	970	400 U	360 U	380 U	370 U	1000	[30000]	[1200]	[7300]	460	950 J	900	[2200]	390 U J	960 J	390 U	500	360 U	[1800]	[1500] J
Bis(2-ethylhexyl)phthalate	NA	**NA**	50000	730 U	390 U	390 U	390 U	2300	400	310 J	360 U	380 U	370 U	360 U	19000 U	720	3700 U	440 U	960 U	800 U	2000 U	390 U J	2000 U	390 U	380 U	360 U	1600 U	1500 U
Di-n-octyl phthalate	NA	**NA**	50000	730 U	390 U	390 U	390 U	150 J	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U J	2000 U	390 U	380 U	360 U	1600 U	1500 U
Benzo(b)fluoranthene	5600	**1000**	1100	840	390 U	390 U	390 U	[2600]	710	45 J	360 U	380 U	370 U	900	[20000]	[1800]	[5300]	300 J	510 J	570 J	2000 U	390 U	880 J	390 U	340 J	360 U	[1600]	[1400] J
Benzo(k)fluoranthene	56000	**800**	1100	[830]	40 J	390 U	390 U	[2600]	[850]	400 U	360 U	380 U	370 U	[820]	[30000]	[960]	[5600]	310 J	680 J	640 J	2000 U	390 U	210 J	390 U	160 J	360 U	[850] J	530 J
Benzo(a)pyrene	1000	**1000**	61	1000	40 J	390 U	390 U	[2700]	780	47 J	360 U	380 U	370 U	830	[29000]	[1300]	[6500]	330 J	630 J	680 J	[1700] J	390 U	480 J	390 U	380 U	360 U	[1100] J	880 J
Indeno(1,2,3-cd)pyrene	5600	**500**	3200	[940]	390 U	390 U	390 U	[1100] J	[590]	42 J	360 U	380 U	370 U	[630]	[15000] J	300 J	[4100] J	260 J	390 J	480 J	[1400] J	390 U	2000 U	390 U	100 J	360 U	490 J	430 J
Dibenzo(a,h)anthracene	560	**330**	14	200 J	390 U	390 U	390 U	[470] J	160 J	400 U	360 U	380 U	370 U	230 J	[4700] J	710 U	[1600] J	73 J	960 U	200 J	2000 U	390 U	2000 U	390 U	42 J	360 U	160 J	1500 U
Benzo(ghi)perylene	500000	**100000**	50000	810	390 U	390 U	390 U	760	380	150 J	360 U	380 U	370 U	330 J	8800 J	160 J	2400 J	240 J	250 J	370 J	1200 J	390 U	2000 U	390 U	120 J	360 U	400 J	450 J
Benzaldehyde	NA	**NA**	NA	730 U J	390 U J	390 U J	390 U J	740 U J	370 U	400 U	360 U	380 U	370 U	360 U	19000 U J	710 U	3700 U J	440 U	960 U J	800 U J	2000 U	390 U	2000 U J	390 U	380 U	360 U J	1600 U J	1500 U J
Acetophenone	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	71 J	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U	380 U	360 U	1600 U	1500 U
Caprolactam	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	380 U J	360 U	1600 U	1500 U
1,1'-Biphenyl	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	79 J	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U	2000 U	390 U J	360 J	360 U	1600 U	260 J
Atrazine	NA	**NA**	NA	730 U	390 U	390 U	390 U	740 U	370 U	400 U	360 U	380 U	370 U	360 U	19000 U	710 U	3700 U	440 U	960 U	800 U	2000 U	390 U J	2000 U	390 U	380 U J	360 U	1600 U	1500 U
Total SVOCs	NA	**NA**	500000	19010	564	95	0	28536	12143	679	0	0	0	12686	380500	14537	68780	8083	22990	20090	26910	0	15090	421	11152	938	21920	21110
Total SVOC TICs	NA	**NA**	NA	10912	1200	1594	1052	19020	5332	752	1757	531	4847	10720	156400	24010	32350	21530	38850	33570	87000	3016	387400	8300	16480	5240	44350	51360

Table 2- 5
Summary of Soil Sample Analytical Results - Semivolatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		SB-10	SB-10	SB-11	SB-11	SB-12	SB-13	SB-13	SB-14	SB-14	SB-15	SB-15	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-18	SB-19	SB-19	SB-20	SB-20	SB-21	SB-21	SB-22
	Part 375	**Part 375**	NYSDEC	209389-003	209370-020	209389-004	209389-005	209389-006	209389-007	209389-008	209389-009	209389-010	209389-011	209389-012	209389-013	209389-014	209403-001	209403-002	209403-003	209403-004	209403-013	209403-005	209403-006	209403-007	209403-008	209403-009	209403-010	209403-011
	Restricted SCO	**Unrestricted**	TAGM 4046	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005
CONSTITUENT (ug/kg)	Comm. & Prot. GW	**SCO**	RSCOs	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Starting Depth (feet)				1	4	0	8	1	6	10	12	13	17	19	10	14	4	12	16	20	20	12	16	12	23	4	20	2
Ending Depth (feet)				4	8	2	11	3	8	12	13	16	19	21	12	16	6	14	20	22	22	16	20	15	27.5	8	24	4
Phenol	500000	**330**	30	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Bis(2-chloroethyl)ether	NA	**NA**	NA	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
2-Chlorophenol	NA	**NA**	800	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
2-Methylphenol	330	**330**	100	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
2,2'-oxybis(1-Chloropropane)	NA	**NA**	NA	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
4-Methylphenol	330	**330**	900	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
N-Nitroso-di-n-propylamine	NA	**NA**	NA	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Hexachloroethane	NA	**NA**	NA	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U J	420 U J	370 U J	370 U J	1600 U J	430 U J	410 U J	370 U J	400 U J	370 U J	370 U J
Nitrobenzene	NA	**NA**	200	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Isophorone	NA	**NA**	4400	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
2-Nitrophenol	NA	**NA**	330	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
2,4-Dimethylphenol	NA	**NA**	NA	3000 U	750 U J	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Bis(2-chloroethoxy)methane	NA	**NA**	NA	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
2,4-Dichlorophenol	NA	**NA**	400	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Naphthalene	500000	**12000**	13000	2900 J	1200	720 U	85 J	94 J	2000 J	41 J	450 J	360 U	1900 J	49 J	200 J	430 J	770 U J	360 U	72 J	370 U J	41 J	450 J	170 J	1300	370 U	400 U	370 U J	370 U
4-Chloroaniline	NA	**NA**	220	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Hexachlorobutadiene	NA	**NA**	NA	3000 U	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
4-Chloro-3-methylphenol	NA	**NA**	240	3000 U	750 U J	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
2-Methylnaphthalene	NA	**NA**	36400	6300	4100	720 U	740 U	95 J	1100 J	58 J	960 J	360 U	920 J	67 J	670	1600	770 U J	360 U	420 U J	45 J	370 U J	330 J	65 J	400 J	250 J	66 J	140 J	45 J
Hexachlorocyclopentadiene	NA	**NA**	NA	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
2,4,6-Trichlorophenol	NA	**NA**	NA	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
2,4,5-Trichlorophenol	NA	**NA**	100	7500 U J	1900 U	1800 U	1900 U	940 U J	19000 U	890 U	4000 U	900 U	1100 U J	1000 U	960 U	1800 U	1900 U J	900 U	1000 U J	920 U J	920 U J	4100 U	1100 U J	1000 U	930 U	1000 U	930 U J	930 U
2-Chloronaphthalene	NA	**NA**	NA	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
2-Nitroaniline	NA	**NA**	430	7500 U J	1900 U	1800 U	1900 U	940 U J	19000 U	890 U	4000 U	900 U	1100 U J	1000 U	960 U	1800 U	1900 U J	900 U	1000 U J	920 U J	920 U J	4100 U	1100 U J	1000 U	930 U	1000 U	930 U J	930 U
Dimethyl phthalate	NA	**NA**	2000	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Acenaphthylene	500000	**100000**	41000	1600 J	750 U	720 U	91 J	72 J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	110 J	360 U	420 U J	63 J	42 J	1600 U	220 J	410 U	370 U	400 U	370 U J	84 J
2,6-Dinitrotoluene	NA	**NA**	1000	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
3-Nitroaniline	NA	**NA**	500	7500 U J	1900 U	1800 U	1900 U	940 U J	19000 U	890 U	4000 U	900 U	1100 U J	1000 U	960 U	1800 U	1900 U J	900 U	1000 U J	920 U J	920 U J	4100 U	1100 U J	1000 U	930 U	1000 U	930 U J	930 U
Acenaphthene	500000	**20000**	50000	1200 J	250 J	720 U	740 U	150 J	4400 J	360 U	400 J	360 U	750 J	81 J	380 U	130 J	130 J	360 U	150 J	79 J	61 J	750 J	130 J	250 J	73 J	61 J	40 J	44 J
2,4-Dinitrophenol	NA	**NA**	200	7500 U J	1900 U J	1800 U J	1900 U	940 U J	19000 U	890 U	4000 U	900 U	1100 U J	1000 U	960 U	1800 U	1900 U J	900 U J	1000 U J	920 U J	920 U J	4100 U	1100 U J	1000 U	930 U J	1000 U	930 U J	930 U J
4-Nitrophenol	NA	**NA**	100	7500 U J	1900 U J	1800 U	1900 U	940 U J	19000 U	890 U	4000 U	900 U	1100 U J	1000 U	960 U	1800 U	1900 U J	900 U	1000 U J	920 U J	920 U J	4100 U	1100 U J	1000 U	930 U	1000 U	930 U J	930 U
Dibenzofuran	350000	**7000**	6200	1100 J	750 U	720 U	740 U	100 J	3300 J	360 U	1600 U	360 U	460 J	400 U	380 U	720 U	92 J	360 U	74 J	370 U J	370 U J	570 J	95 J	230 J	43 J	400 U	370 U J	370 U
2,4-Dinitrotoluene	NA	**NA**	NA	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Diethyl phthalate	NA	**NA**	7100	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
4-Chlorophenyl phenyl ether	NA	**NA**	NA	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Fluorene	500000	**30000**	50000	1900 J	540 J	720 U	740 U	170 J	5300 J	360 U	620 J	360 U	920 J	110 J	59 J	120 J	160 J	360 U	140 J	76 J	66 J	780 J	160 J	380 J	75 J	78 J	370 U J	47 J
4-Nitroaniline	NA	**NA**	NA	7500 U J	1900 U	1800 U	1900 U	940 U J	19000 U	890 U	4000 U	900 U	1100 U J	1000 U	960 U	1800 U	1900 U J	900 U J	1000 U J	920 U J	920 U J	4100 U J	1100 U J	1000 U J	930 U J	1000 U J	930 U J	930 U
4,6-Dinitro-2-methylphenol	NA	**NA**	NA	7500 U J	1900 U	1800 U	1900 U	940 U J	19000 U	890 U	4000 U	900 U	1100 U J	1000 U	960 U	1800 U	1900 U J	900 U J	1000 U J	920 U J	920 U J	4100 U J	1100 U J	1000 U J	930 U J	1000 U J	930 U J	930 U
N-Nitrosodiphenylamine	NA	**NA**	NA	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U J	420 U J	370 U J	370 U J	1600 U J	430 U J	410 U J	370 U J	400 U J	370 U J	370 U
4-Bromophenyl phenyl ether	NA	**NA**	NA	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U J	420 U J	370 U J	370 U J	1600 U J	430 U J	410 U J	370 U J	400 U J	370 U J	370 U
Hexachlorobenzene	6000	**330**	410	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U J	420 U J	370 U J	370 U J	1600 U J	430 U J	410 U J	370 U J	400 U J	370 U J	370 U
Pentachlorophenol	6700	**800**	1000	7500 U J	1900 U J	1800 U	1900 U	940 U J	19000 U	890 U	4000 U	900 U	1100 U J	1000 U	960 U	1800 U	1900 U J	900 U J	1000 U J	920 U J	920 U J	4100 U J	1100 U J	1000 U J	930 U J	1000 U J	930 U J	930 U
Phenanthrene	500000	**100000**	50000	13000 J	1300	290 J	400 J	930 J	29000	80 J	2600	75 J	2200 J	350 J	85 J	200 J	1100 J	40 J	630 J	180 J	280 J	4800 J	880 J	1400 J	310 J	140 J	120 J	230 J
Anthracene	500000	**100000**	50000	2500 J	150 J	720 U	87 J	230 J	8700	360 U	800 J	360 U	340 J	60 J	380 U	720 U	320 J	360 U J	120 J	60 J	100 J	1300 J	260 J	300 J	66 J	94 J	370 U J	87 J
Carbazole	NA	**NA**	NA	500 J	750 U	720 U	740 U	59 J	1500 J	360 U	250 J	360 U	250 J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	210 J	50 J	85 J	370 U	400 U	370 U J	370 U
Di-n-butyl phthalate	NA	**NA**	8100	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U J	420 U J	370 U J	370 U J	1600 U J	430 U J	410 U J	370 U J	400 U J	370 U J	370 U
Fluoranthene	500000	**100000**	50000	17000 J	590 J	640 J	580 J	1800 J	26000	100 J	4500	37 J	1400 J	200 J	54 J	76 J	900 J	36 J	530 J	240 J	400 J	3700 J	1200 J	950 J	180 J	610 J	52 J	450
Pyrene	500000	**100000**	50000	8600 J	400 J	290 J	350 J	1000 J	20000	70 J	3100	73 J	910 J	120 J	380 U	720 U	670 J	360 U J	420 J	240 J	280 J	900 J	630 J	500	56 J	180 J	46 J	140 J
Butyl benzyl phthalate	NA	**NA**	50000	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
3,3-Dichlorobenzidine	NA	**NA**	NA	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Benzo(a)anthracene	5600	**1000**	224	[7700]	230 J	210 J	210 J	900	[10000]	360 U	[2400]	360 U	470 J	46 J	380 U	720 U	750 J	360 U	230 J	210 J	280 J	[1500] J	720 J	370 J	43 J	210 J	370 U J	230 J
Chrysene	56000	**1000**	400	[9200]	350 J	320 J	280 J	880	[10000]	360 U	[2600]	360 U	480 J	41 J	380 U	720 U	770 J	360 U	290 J	240 J	260 J	[1400] J	790 J	400 J	47 J	200 J	370 U J	260 J
Bis(2-ethylhexyl)phthalate	NA	**NA**	50000	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	170 J	400 U	380 U	720 U	770 U J	360 U	420 U J	1500 J	1700 J	1600 U	430 U J	410 U	580	400 U	370 U J	370 U
Di-n-octyl phthalate	NA	**NA**	50000	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Benzo(b)fluoranthene	5600	**1000**	1100	[7300]	150 J	350 J	230 J	760 J	[8800]	360 U	[2800]	360 U	380 J	400 U	380 U	720 U	NA	360 U	150 J	350 J	230 J	740 J	NA	240 J	370 U	140 J	370 U J	340 J
Benzo(k)fluoranthene	56000	**800**	1100	[3400]	750 U	190 J	100 J	340 J	[4000] J	360 U	[1300] J	360 U	180 J	400 U	380 U	720 U	NA	360 U	51 J	86 J	120 J	390 J	NA	91 J	370 U	54 J	370 U J	160 J
Benzo(a)pyrene	1000	**1000**	61	[6800]	750 U	270 J	190 J	490 J	[8900]	360 U	[2700]	360 U	350 J	400 U	380 U	720 U	590 J	45 J	160 J	230 J	220 J	170 J	940 J	120 J	370 U J	400 U J	370 U J	63 J
Indeno(1,2,3-cd)pyrene	5600	**500**	3200	[3600] J	750 U	160 J	140 J	250 J	[6300] J	360 U	[2000] J	360 U	280 J	400 U	380 U	720 U	330 J	360 U	120 J	200 J	97 J	210 J	450 J	120 J	370 U	400 U	370 U J	47 J
Dibenzo(a,h)anthracene	560	**330**	14	[1200] J	750 U	720 U	740 U	86 J	[1600] J	360 U	[510] J	360 U	100 J	400 U	380 U	720 U	100 J	360 U	44 J	57 J	64 J	1600 U	140 J	88 J	370 U	400 U	370 U J	39 J
Benzo(ghi)perylene	500000	**100000**	50000	2900 J	750 U	190 J	620 J	230 J	5300 J	360 U	1800	360 U	180 J	400 U	380 U	720 U	320 J	R	72 J	220 J	86 J	R	440 J	R	R	R	370 U J	R
Benzaldehyde	NA	**NA**	NA	3000 U J	750 U J	720 U J	740 U J	370 U J	7700 U J	360 U J	1600 U J	360 U J	450 U J	400 U J	380 U J	720 U J	770 U J	360 U J	420 U J	370 U J	370 U J	1600 U J	430 U J	410 U J	370 U J	400 U J	370 U J	370 U J
Acetophenone	NA	**NA**	NA	3000 U	750 U	720 U	740 U	370 U	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Caprolactam	NA	**NA**	NA	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
1,1'-Biphenyl	NA	**NA**	NA	3000 U J	750 U	720 U	740 U	370 U J	980 J	360 U	180 J	360 U	450 U J	400 U	74 J	170 J	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	230 J	370 U	400 U	370 U J	370 U
Atrazine	NA	**NA**	NA	3000 U J	750 U	720 U	740 U	370 U J	7700 U	360 U	1600 U	360 U	450 U J	400 U	380 U	720 U	770 U J	360 U	420 U J	370 U J	370 U J	1600 U	430 U J	410 U	370 U	400 U	370 U J	370 U
Total SVOCs	NA	**NA**	500000	98700	9260	2910	3363	8636	157180	349	29970	185	12640	1124	1142	2726	6342	121	3253	4076	4327	18200	7340	7454	1723	1833	398	2266
Total SVOC TICs	NA	**NA**	NA	142400	78570	7930	3630	6377	101200	4030	20240	3952	33720	7460	7350	13930	8940	3040	7860	1077	4636	28350	11577	38520	8230	4140	4980	1440

Table 2- 5
Summary of Soil Sample Analytical Results - Semivolatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		SB-22	SB-23	SB-23	SB-24	SB-24	SB-24	SB-25	SB-25	SB-26	SB-26	SB-27	SB-27	SB-28	SB-28	SB-29	SB-29	SB-30	SB-30	SB-30	SB-31	SB-31	SB-32	SB-32	SB-32	SB-33
	Part 375	**Part 375**	NYSDEC	209403-012	209403-016	209403-017	209403-018	209403-019	209403-020	209404-001	209404-002	209404-003	209404-004	209404-005	209404-006	213407-001	213407-002	213407-005	213407-006	213407-011	213407-014	213407-012	213432-001	213432-002	213432-004	213432-006	213432-005	213432-007
	Restricted SCO	**Unrestricted**	TAGM 4046	4/27/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	7/31/2006	7/31/2006	8/1/2006	8/1/2006	8/2/2006	8/2/2006	8/2/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006
CONSTITUENT (ug/kg)	Comm. & Prot. GW	**SCO**	RSCOs	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary
Starting Depth (feet)				8	8	20	8	18	24	16	20	0	4	4	8	6	10	8	12	10	10	14	12	16	0	0	4	0
Ending Depth (feet)				12	12	22	12	20	28	20	24	4	8	8	11	8	12	10	14	14	14	16	14	18	4	4	8	4
Phenol	500000	**330**	30	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Bis(2-chloroethyl)ether	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
2-Chlorophenol	NA	**NA**	800	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
2-Methylphenol	330	**330**	100	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
2,2'-oxybis(1-Chloropropane)	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
4-Methylphenol	330	**330**	900	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
N-Nitroso-di-n-propylamine	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Hexachloroethane	NA	**NA**	NA	440 U J	750 U J	7700 U J	390 U J	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Nitrobenzene	NA	**NA**	200	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Isophorone	NA	**NA**	4400	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
2-Nitrophenol	NA	**NA**	330	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
2,4-Dimethylphenol	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U J	390 U J	1600 U J	390 U J	400 U J	410 U J	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Bis(2-chloroethoxy)methane	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
2,4-Dichlorophenol	NA	**NA**	400	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Naphthalene	500000	**12000**	13000	440 U J	750 U	1400 J	71 J	81 J	380 U J	220 J	390 U	400 J	66 J	110 J	410 U	360	360 U	400 U	380 U	220 J	360 J	400 U	410 U	100 J	5800	4600	3300	550 J
4-Chloroaniline	NA	**NA**	220	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Hexachlorobutadiene	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
4-Chloro-3-methylphenol	NA	**NA**	240	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
2-Methylnaphthalene	NA	**NA**	36400	440 U J	750 U	1500 J	59 J	44 J	380 U J	1500 U	390 U	300 J	60 J	74 J	410 U	520	160 J	400 U	380 U	290 J	520	400 U	410 U	370 U	2300	1900	2100	3900 U
Hexachlorocyclopentadiene	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
2,4,6-Trichlorophenol	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
2,4,5-Trichlorophenol	NA	**NA**	100	1100 U J	1900 U	19000 U J	990 U	990 U J	970 U J	3700 U	980 U	3900 U	970 U	1000 U	1000 U	900 U	900 U	1000 U	950 U	1100 U	1100 U	1000 U	1000 U	940 U	4000 U	1900 U	1100 U	9700 U
2-Chloronaphthalene	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
2-Nitroaniline	NA	**NA**	430	1100 U J	1900 U	19000 U J	990 U	990 U J	970 U J	3700 U	980 U	3900 U	970 U	1000 U	1000 U	900 U	900 U	1000 U	950 U	1100 U	1100 U	1000 U	1000 U	940 U	4000 U	1900 U	1100 U	9700 U
Dimethyl phthalate	NA	**NA**	2000	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Acenaphthylene	500000	**100000**	41000	440 U J	750 U	7700 U J	230 J	98 J	380 U J	630 J	390 U	310 J	230 J	110 J	410 U	440	360 U	400 U	380 U	420 U	200 J	400 U	410 U	370 U	370 J	230 J	430 U	3900 U
2,6-Dinitrotoluene	NA	**NA**	1000	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
3-Nitroaniline	NA	**NA**	500	1100 U J	1900 U	19000 U J	990 U	990 U J	970 U J	3700 U	980 U	3900 U	970 U	1000 U	1000 U	900 U	900 U	1000 U	950 U	1100 U	1100 U	1000 U	1000 U	940 U	4000 U	1900 U	1100 U	9700 U
Acenaphthene	500000	**20000**	50000	440 U J	110 J	2600 J	42 J	67 J	380 U J	360 J	390 U	560 J	76 J	110 J	410 U	90 J	360 U	400 U	380 U	300 J	390 J	400 U	190 J	300 J	860 J	630 J	870	2200 J
2,4-Dinitrophenol	NA	**NA**	200	1100 U J	1900 U J	19000 U J	990 U	990 U J	970 U J	3700 U J	980 U	3900 U J	970 U J	1000 U	1000 U	900 U	900 U	1000 U	950 U	1100 U	1100 U	1000 U	1000 U	940 U	4000 U	1900 U	1100 U	9700 U
4-Nitrophenol	NA	**NA**	100	1100 U J	1900 U	19000 U J	990 U	990 U J	970 U J	3700 U	980 U	3900 U	970 U	1000 U	1000 U	900 U	900 U	1000 U	950 U	1100 U	1100 U	1000 U	1000 U	940 U	4000 U	1900 U	1100 U	9700 U
Dibenzofuran	350000	**7000**	6200	440 U J	750 U	2000 J	66 J	90 J	380 U J	330 J	390 U	460 J	73 J	110 J	410 U	200 J	360 U	400 U	380 U	230 J	330 J	400 U	410 U	140 J	340 J	280 J	150 J	1200 J
2,4-Dinitrotoluene	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Diethyl phthalate	NA	**NA**	7100	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
4-Chlorophenyl phenyl ether	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Fluorene	500000	**30000**	50000	440 U J	750 U	2300 J	91 J	75 J	380 U J	420 J	390 U	590 J	110 J	110 J	410 U	140 J	40 J	400 U	380 U	330 J	400 J	400 U	410 U	110 J	920 J	660 J	760	2100 J
4-Nitroaniline	NA	**NA**	NA	1100 U J	1900 U	19000 U J	990 U	990 U J	970 U J	3700 U	980 U	3900 U	970 U	1000 U	1000 U	900 U	900 U	1000 U	950 U	1100 U	1100 U	1000 U	1000 U	940 U	4000 U	1900 U	1100 U	9700 U
4,6-Dinitro-2-methylphenol	NA	**NA**	NA	1100 U J	1900 U	19000 U J	990 U	990 U J	970 U J	3700 U	980 U	3900 U	970 U	1000 U	1000 U	900 U	900 U	1000 U	950 U	1100 U	1100 U	1000 U	1000 U	940 U	4000 U	1900 U	1100 U	9700 U
N-Nitrosodiphenylamine	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	420 J	510	3900 U
4-Bromophenyl phenyl ether	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Hexachlorobenzene	6000	**330**	410	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Pentachlorophenol	6700	**800**	1000	1100 U J	1900 U	19000 U J	990 U	990 U J	970 U J	3700 U	980 U	3900 U	970 U	1000 U	1000 U	900 U	900 U	1000 U	950 U	1100 U	1100 U	1000 U	1000 U	940 U	4000 U	1900 U	1100 U	9700 U
Phenanthrene	500000	**100000**	50000	88 J	910	28000 J	1300	810 J	150 J	5400	120 J	7400	1400	1800	410 U	1200	63 J	400 U	53 J	1200	1600	400 U	120 J	67 J	4200	3000	2400	22000
Anthracene	500000	**100000**	50000	440 U J	210 J	5700 J	250 J	270 J	380 U J	1400 J	390 U	1300 J	400	340 J	410 U	650	360 U	400 U	380 U	310 J	440	400 U	87 J	210 J	970 J	710 J	460	5500
Carbazole	NA	**NA**	NA	440 U J	140 J	1800 J	93 J	56 J	380 U J	280 J	390 U	800 J	82 J	100 J	410 U	97 J	360 U	400 U	380 U	51 J	71 J	400 U	410 U	370 U	1600 U	84 J	430 U	790 J
Di-n-butyl phthalate	NA	**NA**	8100	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Fluoranthene	500000	**100000**	50000	160 J	1200	21000 J	1500	990 J	140 J	5300	210 J	6100	2100	2300	410 U	2900	360 U	400 U	47 J	970	1500	400 U	510	2300	5500	3900	720	22000
Pyrene	500000	**100000**	50000	350 J	750 J	18000 J	540	820 J	80 J	4400 J	120 J	5700 J	1400 J	1100 J	410 U J	1200	39 J	400 U	39 J	960	1200	400 U	470	1100	3700 J	1800 J	530	13000
Butyl benzyl phthalate	NA	**NA**	50000	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
3,3-Dichlorobenzidine	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Benzo(a)anthracene	5600	**1000**	224	94 J	390 J	[12000] J	940	710 J	65 J	[3100]	100 J	[3700]	[1200]	960	410 U	[1600]	360 U	400 U	380 U	490	840	400 U	250 J	580	[3200] J	[1700] J	270 J	[11000]
Chrysene	56000	**1000**	400	150 J	660 J	[14000] J	910	830 J	67 J	[3100]	130 J	[3900]	[1300]	[1200]	410 U	[1900]	360 U	400 U	380 U	510	890	400 U	260 J	640	[3800]	[2100] J	320 J	[11000]
Bis(2-ethylhexyl)phthalate	NA	**NA**	50000	2000 J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	2700 U	1300 U	400 U	2000 U	1500 U	1700 U	750 U	410 U	680 U	1600 U	1000 U	430 U	3900 U
Di-n-octyl phthalate	NA	**NA**	50000	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Benzo(b)fluoranthene	5600	**1000**	1100	260 J	820	[16000] J	650	990 J	67 J	[3400]	150 J	[4000]	[1300]	[1100]	410 U	[2400]	360 U	400 U	380 U	300 J	630 J	400 U	160 J	360 J	[3200] J	[2100] J	200 J	[6600] J
Benzo(k)fluoranthene	56000	**800**	1100	440 U J	290 J	[6800] J	310 J	360 J	40 J	[1300] J	390 U	[1700]	590	400	410 U	[1200]	360 U	400 U	380 U	270 J	480 J	400 U	150 J	290 J	[2200] J	[1200] J	140 J	[5500] J
Benzo(a)pyrene	1000	**1000**	61	220 J	300 J	[15000] J	130 J	830 J	57 J	[2600]	110 J	[3200]	[1100]	940	410 U	[1500]	360 U	400 U	380 U	380 J	680 J	400 U	230 J	400 J	[3500] J	[1800] J	200 J	[9100] J
Indeno(1,2,3-cd)pyrene	5600	**500**	3200	160 J	130 J	[7500] J	150 J	450 J	380 U J	[1900] J	98 J	[2200] J	[850] J	[740] J	410 U J	[850]	360 U	400 U	380 U	430	[690] J	400 U	280 J	190 J	[2900] J	[1200] J	150 J	[6700] J
Dibenzo(a,h)anthracene	560	**330**	14	440 U J	750 U	[2000] J	150 J	120 J	380 U J	[540] J	390 U	[660] J	280 J	220 J	410 U	270 J	360 U	400 U	380 U	110 J	190 J	400 U	58 J	69 J	[880] J	[390] J	430 U	[1900] J
Benzo(ghi)perylene	500000	**100000**	50000	70 J	R	6800 J	60 J	430 J	380 U J	2000	71 J	2300	850	660	410 U	620	360 U	400 U	380 U	370 J	540 J	400 U	250 J	170 J	2400 J	1000 J	130 J	5100 J
Benzaldehyde	NA	**NA**	NA	98 J	750 U J	7700 U J	220 J	390 U J	380 U J	1500 U J	390 U J	1600 U J	390 U J	400 U J	410 U J	820 J	61 J	400 U J	380 U J	420 U J	420 U J	400 U J	410 U J	370 U J	1600 U J	760 U J	430 U J	3900 U J
Acetophenone	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	59 J	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Caprolactam	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	43 J	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
1,1'-Biphenyl	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	77 J	360 U	400 U	380 U	420 U	120 J	400 U	410 U	370 U	1600 U	140 J	430 U	3900 U
Atrazine	NA	**NA**	NA	440 U J	750 U	7700 U J	390 U	390 U J	380 U J	1500 U	390 U	1600 U	390 U	400 U	410 U	360 U	360 U	400 U	380 U	420 U	420 U	400 U	410 U	370 U	1600 U	760 U	430 U	3900 U
Total SVOCs	NA	**NA**	500000	3650	5910	164400	7762	8121	666	36680	1109	45580	13467	12484	0	19136	363	0	139	7721	12071	0	3015	7026	47040	29844	13210	126240
Total SVOC TICs	NA	**NA**	NA	3509	950	42300	4295	7470	720	17880	820	18720	7650	6690	2030	15760	6900	6183	3809	14890	14930	1720	15840	37120	142520	61700	30890	61600

Table 2- 5
Summary of Soil Sample Analytical Results - Semivolatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		SB-33	SB-34	SB-34	SB-35	SB-35	SB-36	SB-36	SB-37	SB-37	SB-38	SB-38	SB-39	SB-39	SB-40	SS-BLDGB-01	SS-BLDGB-02
	Part 375	**Part 375**	NYSDEC	213432-008	213432-010	213432-009	213432-011	213432-012	213432-014	213432-015	213432-018	213432-019	213432-016	213432-017	213432-020	213443-001	213443-002	209775-001	209775-002
	Restricted SCO	**Unrestricted**	TAGM 4046	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	6/7/2005	6/7/2005
CONSTITUENT (ug/kg)	Comm. & Prot. GW	**SCO**	RSCOs	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Starting Depth (feet)				4	4	0	16	36	12	16	16	12	4	0	0	28	4	0	0
Ending Depth (feet)				8	8	4	20	40	16	20	20	16	8	4	4	32	5.5	0	0
Phenol	500000	**330**	30	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	110 J	190 J
Bis(2-chloroethyl)ether	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
2-Chlorophenol	NA	**NA**	800	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
2-Methylphenol	330	**330**	100	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
2,2'-oxybis(1-Chloropropane)	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
4-Methylphenol	330	**330**	900	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	80 J	750 U	730 U
N-Nitroso-di-n-propylamine	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Hexachloroethane	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Nitrobenzene	NA	**NA**	200	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Isophorone	NA	**NA**	4400	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
2-Nitrophenol	NA	**NA**	330	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
2,4-Dimethylphenol	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U J	730 U J
Bis(2-chloroethoxy)methane	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
2,4-Dichlorophenol	NA	**NA**	400	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Naphthalene	500000	**12000**	13000	390 U	47 J	51 J	3800	210 J	650	380 U	370 U	80 J	220 J	1500 U	370 U	48 J	400 U	750 U	730 U
4-Chloroaniline	NA	**NA**	220	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U J	730 U J
Hexachlorobutadiene	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
4-Chloro-3-methylphenol	NA	**NA**	240	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
2-Methylnaphthalene	NA	**NA**	36400	390 U	210 J	480 U	340 J	380 U	470	89 J	370 U	240 J	1500 U	1500 U	370 U	420 U	400 U	750 U	240 J
Hexachlorocyclopentadiene	NA	**NA**	NA	390 U	410 U	480 U	760 U J	380 U	380 U J	380 U J	370 U J	390 U J	1500 U J	1500 U J	370 U J	420 U	400 U	750 U	730 U
2,4,6-Trichlorophenol	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
2,4,5-Trichlorophenol	NA	**NA**	100	980 U	1000 U	1200 U	1900 U	960 U	950 U	970 U	920 U	970 U	3800 U	3700 U	930 U	1100 U	1000 U	1900 U	1800 U
2-Chloronaphthalene	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
2-Nitroaniline	NA	**NA**	430	980 U	1000 U	1200 U	1900 U	960 U	950 U	970 U	920 U	970 U	3800 U	3700 U	930 U	1100 U	1000 U	1900 U	1800 U
Dimethyl phthalate	NA	**NA**	2000	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Acenaphthylene	500000	**100000**	41000	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	170 J	280 J	38 J	140 J	68 J	750 U	730 U
2,6-Dinitrotoluene	NA	**NA**	1000	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
3-Nitroaniline	NA	**NA**	500	980 U	1000 U	1200 U	1900 U	960 U	950 U	970 U	920 U	970 U	3800 U	3700 U	930 U	1100 U	1000 U	1900 U J	1800 U J
Acenaphthene	500000	**20000**	50000	57 J	56 J	160 J	600 J	380 U	970	110 J	370 U	170 J	670 J	210 J	43 J	88 J	46 J	750 U	730 U
2,4-Dinitrophenol	NA	**NA**	200	980 U	1000 U	1200 U	1900 U	960 U	950 U	970 U	920 U	970 U	3800 U	3700 U	930 U	1100 U	1000 U	1900 U J	1800 U J
4-Nitrophenol	NA	**NA**	100	980 U	1000 U	1200 U	1900 U	960 U	950 U	970 U	920 U	970 U	3800 U	3700 U	930 U	1100 U	1000 U	1900 U	1800 U
Dibenzofuran	350000	**7000**	6200	390 U	410 U	78 J	620 J	380 U	490	380 U	370 U	390 U	340 J	160 J	370 U	70 J	400 U	750 U	730 U
2,4-Dinitrotoluene	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Diethyl phthalate	NA	**NA**	7100	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
4-Chlorophenyl phenyl ether	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Fluorene	500000	**30000**	50000	52 J	61 J	160 J	1000	100 J	900	98 J	370 U	95 J	490 J	350 J	44 J	130 J	54 J	750 U	730 U
4-Nitroaniline	NA	**NA**	NA	980 U	1000 U	1200 U	1900 U	960 U	950 U	970 U	920 U	970 U	3800 U	3700 U	930 U	1100 U	1000 U	1900 U	1800 U
4,6-Dinitro-2-methylphenol	NA	**NA**	NA	980 U	1000 U	1200 U	1900 U	960 U	950 U	970 U	920 U	970 U	3800 U	3700 U	930 U	1100 U	1000 U	1900 U	1800 U
N-Nitrosodiphenylamine	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
4-Bromophenyl phenyl ether	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Hexachlorobenzene	6000	**330**	410	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Pentachlorophenol	6700	**800**	1000	980 U	1000 U	1200 U	1900 U	960 U	950 U	970 U	920 U	970 U	3800 U	3700 U	930 U	1100 U	1000 U	1900 U	1800 U
Phenanthrene	500000	**100000**	50000	210 J	250 J	1900	2000	230 J	1200	100 J	370 U	290 J	5300	3200	460	1600	750	750 U	110 J
Anthracene	500000	**100000**	50000	61 J	56 J	440 J	410 J	45 J	670	48 J	370 U	67 J	1300 J	820 J	120 J	450	190 J	750 U	730 U
Carbazole	NA	**NA**	NA	390 U	410 U	110 J	760 U J	380 U	75 J	380 U J	370 U J	390 U J	380 J	240 J	61 J	70 J	63 J	750 U	730 U
Di-n-butyl phthalate	NA	**NA**	8100	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Fluoranthene	500000	**100000**	50000	210 J	270 J	2800	930	100 J	2300	140 J	42 J	190 J	7000	5000	950	2200	1800	140 J	200 J
Pyrene	500000	**100000**	50000	150 J	220 J	1800	720 J	89 J	1600	110 J	370 U	150 J	4600	2600	550	2300	690	520 J	220 J
Butyl benzyl phthalate	NA	**NA**	50000	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
3,3-Dichlorobenzidine	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Benzo(a)anthracene	5600	**1000**	224	110 J	180 J	[1800]	310 J	48 J	920	45 J	370 U	61 J	[2800]	[2100]	440	[1800]	750	750 U	110 J
Chrysene	56000	**1000**	400	120 J	210 J	[2000]	360 J	51 J	990	49 J	370 U	64 J	[2800]	[2300]	490	[1600]	930	77 J	300 J
Bis(2-ethylhexyl)phthalate	NA	**NA**	50000	390 U	410 U	480 U	760 U	440 U	760 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Di-n-octyl phthalate	NA	**NA**	50000	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Benzo(b)fluoranthene	5600	**1000**	1100	71 J	150 J	[1600] J	170 J	380 U	750	380 U	370 U	390 U	[2200]	[1700] J	440 J	[1100] J	[1100] J	750 U	100 J
Benzo(k)fluoranthene	56000	**800**	1100	59 J	130 J	[1000] J	140 J	380 U	550	380 U	370 U	390 U	[1900]	[1700] J	360 J	[1000] J	650 J	750 U	730 U
Benzo(a)pyrene	1000	**1000**	61	99 J	190 J	[1700] J	760 U	380 U	840	380 U	370 U	42 J	[2700]	[2000] J	460 J	[1600] J	880 J	750 U	730 U
Indeno(1,2,3-cd)pyrene	5600	**500**	3200	72 J	160 J	[1200] J	120 J	380 U	[730]	380 U	370 U	390 U	[2200]	[1100] J	300 J	[1900] J	[530] J	750 U J	730 U J
Dibenzo(a,h)anthracene	560	**330**	14	390 U	44 J	[390] J	760 U	380 U	170 J	380 U	370 U	390 U	[440] J	280 J	74 J	[570] J	120 J	750 U J	730 U J
Benzo(ghi)perylene	500000	**100000**	50000	70 J	120 J	940 J	120 J	380 U	670	380 U	370 U	390 U	1900	840 J	240 J	1400 J	440 J	750 U J	730 U J
Benzaldehyde	NA	**NA**	NA	390 U J	410 U J	480 U J	760 U J	380 U J	380 U J	380 U J	370 U J	390 U J	1500 U J	1500 U J	370 U J	51 J	170 J	750 U J	730 U J
Acetophenone	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Caprolactam	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
1,1'-Biphenyl	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	130 J	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U	730 U
Atrazine	NA	**NA**	NA	390 U	410 U	480 U	760 U	380 U	380 U	380 U	370 U	390 U	1500 U	1500 U	370 U	420 U	400 U	750 U J	730 U J
Total SVOCs	NA	**NA**	500000	1341	2354	18129	11640	873	15075	789	42	1449	37410	24880	5070	18117	9311	847	1470
Total SVOC TICs	NA	**NA**	NA	9520	12200	13350	45903	10940	17010	4700	421	7190	17490	18880	3393	12560	9130	130970	117370

Table 2-6
Summary of Soil Sample Analytical Results - Metals
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		MW-5D	MW-5D	MW-6D	MW-6D	SB-01	SB-01	SB-02	SB-02	SB-03	SB-03	SB-04	SB-04	SB-05	SB-05	SB-06	SB-06	SB-06	SB-07	SB-07	SB-08
	Part 375	**Part 375**	NYSDEC	213407-003	213407-007	213407-008	213407-009	209370-001	209370-002	209370-003	209370-004	209370-005	209370-006	209370-007	209370-008	209370-009	209370-010	209370-011	209370-012	209370-013	209370-016	209370-017	209370-018
	Restricted SCO	**Unrestricted**	TAGM 4046	7/31/2006	8/1/2006	8/1/2006	8/1/2006	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/25/2005	4/26/2005	4/26/2005	4/26/2005
CONSTITUENT (mg/kg)	Comm. & Prot. GW	**SCO**	RSCOs	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary
Starting Depth (feet)				24	34	34	39	0	4	12	20	16	20	8	12	0	8	4	8	8	4	9	2
Ending Depth (feet)				26	36	36	41	2	8	16	22	20	22	12	16	2	12	8	10.5	10.5	8	11	4
Aluminum	NA	**NA**	NA	4200 J	6340 J	7260 J	9400 J	4100	7350	8110	3630	5220	3860	9160	5240	4990	4140	7130	6740	5270	10500	3610	37100
Antimony	NA	**NA**	NA	1.4 J	0.79 U J	0.87 U J	0.96 U J	R	R	R	R	R	R	R	R	14.2 J	R	R	R	R	R	R	R
Arsenic	16	**13**	7.5	2.0 J	3.2 J	3.8 J	3.4 J	4.8 J	6.4 J	4.1 J	5.7 J	3.8 J	2.1 J	8.1 J	7.1 J	5.8 J	11.5 J	6.2 J	7.6 J	7.3 J	8.4 J	8.8 J	5.1 J
Barium	400	**350**	300	30.0 J	57.1	67.4	57.1	58.1	64.9	47.5 J	12.3 J	28.5 J	24 J	106	68.3	[535]	[2530]	66.3	88	99.6	192	14.7 J	[1160]
Beryllium	590	**7.2**	0.16	0.20 J	0.40 J	0.42 J	0.53 J	0.25 J	0.37 J	0.37 J	0.37 J	0.27 J	0.26 U	0.96 J	0.41 J	0.28 J	0.45 J	0.51 J	0.32 J	0.44 J	2	0.32 J	[14.6]
Cadmium	7.5	**2.5**	10	0.35 J	0.27 J	0.34 J	0.42 J	0.9 J	0.89 J	0.42 J	0.75 J	0.45 J	0.51 J	1.2 J	0.97 J	1 J	1.6	0.51 J	0.59 J	0.47 J	0.81 J	0.91 J	0.99 J
Calcium	NA	**NA**	NA	42700	57500	9130	5040	79400 J	44100 J	31400 J	117000 J	55400 J	134000 J	43700 J	73300 J	67400 J	41900 J	44200 J	60600 J	71500 J	42200 J	134000 J	134000 J
Chromium	NA	**NA**	50	6.9	7.7	9.2	12.4	9.4	11	10.3	5.1	7	4.9	10.6	9.2	10.6	13.2	15.8	14.8	12.5	32.4	5.2	7.6
Cobalt	NA	**NA**	30	4.0 J	3.9 J	4.3 J	5.1 J	3.6 J	6.6 J	6.4 J	4.5 J	5 J	2 J	4.2 J	3.4 J	4 J	4 J	5.5 J	4.4 J	4.1 J	7.2 J	5.6 J	1.8 J
Copper	270	**50**	25	9.4	13.2	11.3	14.8	34.7	[155]	13.5	7.7	10.9	7.1 J	43.6	33.9	[83.9]	[122]	16.6	31.3	20.5	[50.6]	14.2	[362]
Iron	NA	**NA**	2000	10800 J	12000 J	13300 J	16200 J	12100	15700	14100	15000	11600	7220	14600	14500	13800	21500	15600	14600	11000	16400	16500	10100
Lead	450	**63**	500	3.7 J	18.3 J	48.5 J	33.7 J	[77.2]	[121]	24.4	20.8	9.1	18.7	[122]	[133]	[301]	[374]	[829]	[620]	[589]	[400]	33.3	[274]
Magnesium	NA	**NA**	NA	11200	5320	4040	3350	35800	15400	4300	46600	16000	68300	16300	27300	22400	18400	7030	13600	19400	11100	69200	26400
Manganese	2000	**1600**	NA	361	862	313	331	526	379	295	276	306	337	425	419	433	368	278	426	419	846	568	[1620]
Mercury	2.8	**0.18**	0.1	0.011 J	0.048	[0.20]	0.069	0.12	0.18	0.03	0.0093 J	0.016	0.015 J	[0.19]	[0.29]	[0.46]	[0.45]	[0.38]	[3.4]	[3.5]	[0.32]	0.033	0.0084 U
Nickel	310	**30**	13	8.5 J	10.1	8.7 J	12.4	9.6 J	14.7	12	11.8	11.1	4.8 J	11.4	8.8 J	10.7	14.6	9.5 J	10.5 J	9.9 J	14	13.3	4.3 J
Potassium	NA	**NA**	NA	748 J	1580 J	725 J	928 J	867 J	1260 J	583 J	2510 J	1290 J	1010 J	916 J	989 J	1050 J	665 J	1610 J	898 J	1030 J	1230 J	2180 J	3680 J
Selenium	1500	**3.9**	2	1.7 U	1.6 J	2.7 J	2	1.7 U	1.7 U	2 U	1.7 U	1.7 U	1.9 U	1.6 U	1.8 U	1.8 U	1.6 U	2 U	1.9 U	1.8 U	2 U	1.7 U	[5.4]
Silver	1500	**2**	NA	0.11 U	0.085 U	0.094 U	0.10 U	0.32 J	0.28 U	0.32 U	0.28 U	0.28 U	0.32 U	0.27 U	0.3 U	1.3 J	0.3 J	0.33 U	0.31 U	0.29 U	0.33 U	0.28 U	0.28 U
Sodium	NA	**NA**	NA	309 J	302 J	234 J	170 J	211 J	266 J	68.1 J	215 J	212 J	307 J	793 J	611 J	569 J	778 J	154 J	551 J	408 J	1370 J	1620 J	2830 J
Thallium	NA	**NA**	NA	2.6 U	2.1 U	2.8 J	3.6 J	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Vanadium	NA	**NA**	150	11.7 J	12.3	15.4	20.1	14.9	14.5	14.5 J	5.9 J	10.3 J	8.2 J	12.6	11.3 J	14.8	13.6	11.6 J	12.8 J	9.4 J	14.4 J	6.1 J	13.3
Zinc	2480	**109**	20	21.8 J	30.6 J	56.0 J	41.6 J	[114]	[144]	33.7	8.3	30	58.2	[140]	99.2	[306]	[456]	79.2	[134]	[132]	[229]	15.8	[183]

Table 2-6
Summary of Soil Sample Analytical Results - Metals
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		SB-08	SB-09	SB-09	SB-09	SB-09	SB-10	SB-10	SB-11	SB-11	SB-12	SB-13	SB-13	SB-14	SB-14	SB-15	SB-15	SB-16	SB-16	SB-17	SB-17
	Part 375	**Part 375**	NYSDEC	209370-019	209389-001	209389-002	209389-018	209389-015	209389-003	209370-020	209389-004	209389-005	209389-006	209389-007	209389-008	209389-009	209389-010	209389-011	209389-012	209389-013	209389-014	209403-001	209403-002
	Restricted SCO	**Unrestricted**	TAGM 4046	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/26/2005	4/27/2005	4/27/2005
CONSTITUENT (mg/kg)	Comm. & Prot. GW	**SCO**	RSCOs	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Starting Depth (feet)				12	6	10	1	1	1	4	0	8	1	6	10	12	13	17	19	10	14	4	12
Ending Depth (feet)				14	8	11.5	4	4	4	8	2	11	3	8	12	13	16	19	21	12	16	6	14
Aluminum	NA	**NA**	NA	3950	4120	3350	5360	8030	3550	5660	4510	5170	4240	5330	3560	6270	4150	5280	4760	4210	2900	4660	3250
Antimony	NA	**NA**	NA	R	R	R	R	R	R	R	R	R	R	1.5 J	R	R	R	1.6 J	R	R	R	5.8 J	1.3 U J
Arsenic	16	**13**	7.5	8.8 J	5.6	3.7	[15] J	4.9 J	6.6	4.3 J	3.3	2.7	4.4	8.5	4.2	6.2	3	8.6	3.4	4.9	3.2	[88.4]	5.5
Barium	400	**350**	300	17.7 J	[398]	12.3 J	118	56.3	72.4	24.9 J	143	50.6	56.1	60.5	11 J	111	12.4 J	168	26.6 J	15.2 J	10.8 J	41	10.7 J
Beryllium	590	**7.2**	0.16	0.38 J	0.22 U	0.28 J	0.29 J	0.42 J	0.29 J	0.51 J	0.21 U	0.22 U	0.32 J	0.24 J	0.3 J	0.27 J	0.35 J	0.37 J	0.46 J	0.39 J	0.28 J	0.19 J	0.33 J
Cadmium	7.5	**2.5**	10	0.7 J	0.3 U	0.43 J	0.68 J	0.32 J	0.34 J	0.63 J	0.44 J	0.35 J	0.79 J	0.41 J	0.44 J	1.4 J	0.41 J	0.61 J	0.56 J	0.39 J	0.49 J	0.25 U	0.3 U
Calcium	NA	**NA**	NA	116000 J	24900 J	119000 J	31800 J	12700 J	69200 J	94500 J	98300 J	34400 J	104000 J	34900 J	120000 J	57900 J	110000 J	19500 J	104000 J	107000 J	122000 J	107000	132000
Chromium	NA	**NA**	50	6.5	16.4	5.5	9.7	10.3	6.9	7.4	8.7	8.8	7.4	8.4	5.2	30.8	5.8	40.8	6.7	6.1	4.5	6.2	4.8
Cobalt	NA	**NA**	30	4.6 J	4.2 J	3.9 J	5 J	6.3 J	3.5 J	5.1 J	3.2 J	4.1 J	3.9 J	4.7 J	3.8 J	4.3 J	17.1 J	7 J	4.6 J	4.6 J	4.1 J	3.5 J	3.8 J
Copper	270	**50**	25	10.9	26.2	6.6	[228] J	37.8 J	38.4	6.2 J	17.2	14.6	18	[53.4]	6	[60]	4.7 J	[62.8]	8.1	6.3 J	7.3	[824]	8.7
Iron	NA	**NA**	2000	13300	8250 J	11100 J	21500 J	17200 J	11800 J	14200	9070 J	11300 J	11400 J	13900 J	10100 J	18100 J	10300 J	31300 J	14800 J	11300 J	10100 J	10000	10400
Lead	450	**63**	500	38.8	[112]	18.7	[350] J	[86.1] J	[136]	25.1	49	28.4	[94.1]	[3990]	16	[138]	10.4	[382]	21	21.1	14.8	[135] J	18 J
Magnesium	NA	**NA**	NA	62900	11500	63800	9620 J	3920 J	35700	53000	16500	10300	51900	7790	64600	19300	57300	5980	54400	57100	62500	58000	70000
Manganese	2000	**1600**	NA	408	209	387	430	257	396	477	257	424	350	368	366	352	253	445	470	327	334	374	376
Mercury	2.8	**0.18**	0.1	0.016	[5.8]	0.075	[0.34] J	0.05 J	[0.26]	0.023	0.05	0.022	[1.3]	[0.53]	0.0083 J	[0.46]	0.011 J	[1.5]	0.02	0.01 J	0.0083 U	[0.85] J	0.0084 U
Nickel	310	**30**	13	11.5	8.6 J	9.4 J	11.8 J	14.3 J	7.2 J	12.3	9 J	9.5 J	9.2 J	10 J	7.9 J	10.2 J	20.2 J	13.3 J	10.5 J	9.4 J	9.7 J	7.9 J	8.4 J
Potassium	NA	**NA**	NA	2560 J	651 J	2250 J	960 J	1170 J	984 J	2020 J	886 J	821 J	2200 J	769 J	2600 J	1090 J	2730 J	711 J	2570 J	2150 J	2050 J	949 J	2320 J
Selenium	1500	**3.9**	2	1.6 U	1.7 U J	1.6 U J	1.5 U J	1.7 U J	1.8 U J	1.9 U	1.5 U J	1.6 U J	1.7 U J	1.7 U J	1.4 U J	2 U J	1.6 U J	2.6 J	1.8 U J	1.7 U J	1.6 U J	1.4 U J	1.7 U J
Silver	1500	**2**	NA	0.27 U	0.27 U	0.26 U	0.25 U	0.28 U	0.29 U	0.31 U	0.25 U	0.27 U	0.29 U	0.29 J	0.23 U	0.34 U	0.26 U	0.28 U	0.3 U	0.28 U	0.26 U	0.31 J	0.27 U
Sodium	NA	**NA**	NA	1050 J	166 J	324 J	265 J	142 J	208 J	266 J	217 J	218 J	378 J	208 J	383 J	379 J	416 J	410 J	561 J	302 J	301 J	351 J	368 J
Thallium	NA	**NA**	NA	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	2.7 U J	3.3 U J
Vanadium	NA	**NA**	150	6.6 J	10.3 J	5.9 J	15.4	14.9	8.8 J	8.7 J	12.9	11.6 J	8.3 J	14	6.1 J	12.7 J	6.3 J	21.3	7.4 J	6.8 J	5.4 J	9.3 J	5.5 J
Zinc	2480	**109**	20	19.4	81.1	7.5	[138]	90.6	82.2	8	[372]	73.9	99.4	[259]	5.2	[419]	6.6	[149]	6.8	6	5.1	[178]	6.8

Table 2-6
Summary of Soil Sample Analytical Results - Metals
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		SB-18	SB-18	SB-18	SB-19	SB-19	SB-20	SB-20	SB-21	SB-21	SB-22	SB-22	SB-23	SB-23	SB-24	SB-24	SB-24	SB-25	SB-25	SB-26	SB-26
	Part 375	**Part 375**	NYSDEC	209403-003	209403-004	209403-013	209403-005	209403-006	209403-007	209403-008	209403-009	209403-010	209403-011	209403-012	209403-016	209403-017	209403-018	209403-019	209403-020	209404-001	209404-002	209404-003	209404-004
	Restricted SCO	**Unrestricted**	TAGM 4046	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/27/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005	4/28/2005
CONSTITUENT (mg/kg)	Comm. & Prot. GW	**SCO**	RSCOs	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Starting Depth (feet)				16	20	20	12	16	12	23	4	20	2	8	8	20	8	18	24	16	20	0	4
Ending Depth (feet)				20	22	22	16	20	15	27.5	8	24	4	12	12	22	12	20	28	20	24	4	8
Aluminum	NA	**NA**	NA	6770	3850	5010	6660	3440	5120	5040	6210	4350	8440	1570	6300	7510	5880	5370	8440	4390	5750	7840	4180
Antimony	NA	**NA**	NA	1.5 U J	1.3 U J	1.4 U J	1.3 U J	4.1 U J	1.3 U J	1.4 U J	1.6 U J	1.2 U J	1.2 U J	1.6 U J	1.3 U J	1.3 U J	1.4 U J	1.3 U J	1.2 U J	3.1 J	R	R	1.1 J
Arsenic	16	**13**	7.5	4.3	5.5	4.3	7.5	6.7	5.7	4.8	4.1	7.3	9.1	1.7 U	6.6	7.1	[13.1]	3.2	3.8	8	8.4	7.9	4.5
Barium	400	**350**	300	69.5	13 J	27.4 J	99.8	36 J	70.9	24.6 J	30.1 J	13.9 J	84.8	295	57.6	73.4	156	31.4 J	41.4 J	53.1 J	93	77.3	57.3
Beryllium	590	**7.2**	0.16	0.27 J	0.42 J	0.36 J	0.37 J	0.22 J	0.23 U	0.41 J	0.32 J	0.44 J	0.41 J	0.29 U	0.38 J	0.37 J	0.76 J	0.24 J	0.41 J	0.27 J	0.31 J	0.43 J	0.24 J
Cadmium	7.5	**2.5**	10	0.36 U	0.31 U	0.33 U	0.3 U	0.28 U	0.31 U	0.33 U	0.37 U	0.28 U	0.38 J	0.49 J	0.31 U	0.32 U	0.34 U	0.31 U	0.29 U	0.42 J	0.56 J	0.47 J	0.41 J
Calcium	NA	**NA**	NA	26700	118000	78900	33100	63800	66300	100000	14200	112000	53200	183000	13400	24900	9600	39900	16700	25600 J	27500 J	20000 J	47200 J
Chromium	NA	**NA**	50	7.3	5.7	7	9.3	6.5	6.6	6.6	7.7	6.3	12.2	4.2	8	17.8	18.8	6.8	10.8	8.4	10.7	10	8.9
Cobalt	NA	**NA**	30	3.7 J	3.7 J	4.6 J	5 J	4.9 J	3.3 J	4.4 J	5.3 J	5.2 J	7 J	1.9 J	6.6 J	6.4 J	7.9 J	4.1 J	5.9 J	5.9 J	5.1 J	12.8 J	4.2 J
Copper	270	**50**	25	18.9	7.8	15.8	40.3	[96.8]	[66.7]	11.2	21.1	9.3	[158]	4.9 J	21.6	43.8	[57.9]	15.4	16.8	[52.2]	[150]	[55.5]	[76.5]
Iron	NA	**NA**	2000	10800	13200	13000	14600	18900	12200	12500	13400	17500	17500	2520	17500	20400	21400	11100	16300	18700 J	22500 J	17100 J	11700 J
Lead	450	**63**	500	[136] J	17.8 J	36.3 J	[261] J	[147] J	[78.1] J	19.7 J	[68.9] J	28.7 J	[169] J	50.8 J	19.4 J	[99.4] J	[957] J	26.8 J	48 J	[584]	[189]	[181]	[201]
Magnesium	NA	**NA**	NA	10300	62000	36100	13600	29800	8080	26300	5690	50600	19800	9030	4860	8100	2130	10400	4150	8270	7430	9240	22600
Manganese	2000	**1600**	NA	202	335	383	246	645	381	346	244	370	476	99.5	922	677	146	330	658	391	452	547	272
Mercury	2.8	**0.18**	0.1	[0.2] J	0.0074 U	0.13 J	[0.81] J	[0.32] J	[0.26] J	0.04 J	0.15 J	0.016 J	[0.38] J	[0.27] J	0.032 J	[0.21] J	[2.1] J	0.089 J	0.059 J	[0.44] J	[0.42] J	[0.45] J	[0.81] J
Nickel	310	**30**	13	8.7 J	10.4	10.7 J	11.7	8.7 J	8.1 J	11.1 J	11.8 J	12.6	16.2	3 J	15.1	14.5	21.6	8.7 J	13.5	11.8 J	12.4 J	18.6 J	11.7 J
Potassium	NA	**NA**	NA	691 J	2430 J	1710 J	803 J	707 J	742 J	1770 J	681 J	2760 J	1220 J	478 J	1190 J	1360 J	470 J	871 J	1110 J	1060 J	1170 J	856 J	622 J
Selenium	1500	**3.9**	2	2 U J	1.7 U J	1.9 U J	1.7 U J	1.6 U J	1.7 U J	1.9 U J	2.1 U J	1.6 U J	1.6 U J	2.1 U J	1.7 U J	1.8 U J	1.9 U J	1.7 U J	1.6 U J	1.8 U J	1.8 U J	1.9 U J	1.5 U J
Silver	1500	**2**	NA	0.33 U	0.28 U	0.3 U	0.27 U	0.26 U	0.28 U	0.31 U	0.34 U	0.26 U	0.26 U	0.35 U	0.29 U	0.29 U	1.3 J	0.28 U	0.26 U	0.3 U	0.29 U	0.31 U	0.24 U
Sodium	NA	**NA**	NA	249 J	326 J	267 J	217 J	210 J	271 J	293 J	702 J	604 J	204 J	197 J	85.7 J	216 J	507 J	384 J	132 J	194 J	270 J	104 J	238 J
Thallium	NA	**NA**	NA	4 U J	3.4 U J	3.7 U J	3.3 U J	3.1 U J	3.4 U J	3.7 U J	4.1 U J	3.1 U J	3.1 U J	4.3 U J	3.5 U J	3.5 U J	3.7 U J	3.4 U J	3.2 U J	R	R	R	R
Vanadium	NA	**NA**	150	12.1 J	6.4 J	8.4 J	13.7	10.8 J	10.8 J	8.4 J	12.3 J	7 J	15.1	3.1 J	14.9	16.9	32.5	11.7 J	18.5	11.1 J	19.2	14.9	10.2 J
Zinc	2480	**109**	20	52	6.8	39.2 J	[139]	81	58.8	23.9	51.2	9.6	[167]	[256]	65.1	[126]	[116]	32.8	52.2	70.1	92	105	57.5

Table 2-6
Summary of Soil Sample Analytical Results - Metals
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		SB-27	SB-27	SB-28	SB-28	SB-29	SB-29	SB-30	SB-30	SB-30	SB-31	SB-31	SB-32	SB-32	SB-32	SB-33	SB-33	SB-34	SB-34	SB-35	SB-35
	Part 375	**Part 375**	NYSDEC	209404-005	209404-006	213407-001	213407-002	213407-005	213407-006	213407-011	213407-014	213407-012	213432-001	213432-002	213432-004	213432-006	213432-005	213432-007	213432-008	213432-010	213432-009	213432-011	213432-012
	Restricted SCO	**Unrestricted**	TAGM 4046	4/28/2005	4/28/2005	7/31/2006	7/31/2006	8/1/2006	8/1/2006	8/2/2006	8/2/2006	8/2/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006	8/4/2006
CONSTITUENT (mg/kg)	Comm. & Prot. GW	**SCO**	RSCOs	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Starting Depth (feet)				4	8	6	10	8	12	10	10	14	12	16	0	0	4	0	4	4	0	16	36
Ending Depth (feet)				8	11	8	12	10	14	14	14	16	14	18	4	4	8	4	8	8	4	20	40
Aluminum	NA	**NA**	NA	4020	8680	4610 J	4890 J	10500 J	3680 J	5690 J	4540 J	3600 J	5790	5650	5870	5380	12700	7360	5160	5760	6030	3270	6670
Antimony	NA	**NA**	NA	R	R	1.1 J	0.78 J	0.97 U J	0.83 U J	0.93 U J	0.96 U J	0.81 U J	R	R	R	R	R	R	R	R	R	R	R
Arsenic	16	**13**	7.5	6.6	7.1	2.4 J	1.1 J	5.9 J	4.4 J	4.1 J	2.6 J	4.2 J	5.3 J	4.5 J	9.6 J	11.4 J	8.9 J	5.3 J	3.7 J	6.2 J	[22.3] J	2.2 J	3.4 J
Barium	400	**350**	300	66.5	50.3 J	35.5 J	18.6 J	43.5 J	10.5 J	39.2 J	38.7 J	12.7 J	64.8	60.9	100	107	72.5	67.2	24.9 J	18.7 J	68.8	15.1 J	39.0 J
Beryllium	590	**7.2**	0.16	0.23 U	0.65 J	0.36 J	0.34 J	1.1 J	0.33 J	0.46 J	0.32 J	0.34 J	0.28 J	0.27 J	0.32 J	0.39 J	1.4	0.34 J	0.40 J	0.47 J	0.21 J	0.12 J	0.32 J
Cadmium	7.5	**2.5**	10	0.3 U	0.81 J	0.42 J	0.46 J	0.84 J	0.59 J	0.57 J	0.50 J	0.52 J	0.86 J	0.60 J	1.2 J	0.97 J	1.4	0.48 J	0.84 J	0.96 J	0.97 J	0.30 J	0.64 J
Calcium	NA	**NA**	NA	50000 J	70300 J	100000	101000	36400	132000	55600	52800	122000	41800	56400	24900	36300	13400	12600	94100	95300	34700	17400	30400
Chromium	NA	**NA**	50	16.4	10.5	8.2	6.1	14.4	5.6	9.5	8.1	5.2	7.7	7.9	10.8	9.2	16.7	8	6.5	7.5	6.7	3.9	8.5
Cobalt	NA	**NA**	30	3.8 J	10.3 J	4.0 J	4.4 J	8.2 J	6.7 J	5.3 J	4.5 J	3.9 J	4.7 J	5.4 J	5.4 J	5.1 J	9.8 J	3.8 J	5.4 J	9.1 J	3.3 J	2.5 J	5.3 J
Copper	270	**50**	25	41.2	8.2	18.6	7.5	12.5	15.4	16.8	19.6	7.1	22.3	13	[196]	[135]	26.7	16.3	11.7	15.6	[73.1]	9.7	13.8
Iron	NA	**NA**	2000	11700 J	23000 J	10600 J	10500 J	25700 J	12400 J	15200 J	11700 J	11300 J	12300 J	12600 J	16800 J	13300 J	28000 J	9470 J	11200 J	13900 J	11600 J	6430 J	12600 J
Lead	450	**63**	500	[153]	39	22.7 J	20.3 J	36.1 J	35.3 J	38.5 J	30.6 J	18.5 J	[91.9]	8.8	[428]	[433]	[84.5]	[132]	27.2	42	[567]	3.6	27.7
Magnesium	NA	**NA**	NA	9660	38500	11700	49900	19600	71500	21300	12500	60200	16700	8200	8890	8900	6460	3720	50500	41900	4580	3000	6820
Manganese	2000	**1600**	NA	333	[1610]	288	370	500	448	401	694	347	347	299	277	328	339	102	348	225	350	189	361
Mercury	2.8	**0.18**	0.1	[0.88] J	0.029 J	0.067	0.023	0.042	0.014	0.05	0.048	0.0089	[0.69]	0.034	[0.97]	[0.48]	[0.39]	[0.61]	0.046	0.07	[0.30]	0.017	0.089
Nickel	310	**30**	13	[150] J	11.8 J	8.9	8.9	22.2	18.2	11.2	9.6 J	8.7 J	9	11.1	13.8	12.3	16	8	10.9	14.2	7.4 J	5.2 J	10.7
Potassium	NA	**NA**	NA	774 J	2330 J	1090 J	2120 J	2490 J	2500 J	1280 J	930 J	2330 J	814 J	874 J	591 J	750 J	2150 J	487 J	2010 J	2670 J	630 J	288 J	752 J
Selenium	1500	**3.9**	2	1.7 U J	1.8 U J	1.3	1.3 U	1.7 U	1.4 U	1.6 U	2.0 J	1.4 U	1.4 U J	1.6 U J	1.9 U J	1.5 U J	1.5 U J	1.2 U J	1.3 U J	1.5 U J	1.9 U J	1.1 U J	1.3 U J
Silver	1500	**2**	NA	0.28 U	0.3 U	0.081 U	0.082 U	0.10 U	0.090 U	0.10 U	0.10 U	0.088 U	0.085 U J	0.098 U J	0.12 U J	0.13 J	0.091 U J	0.074 U J	0.081 U J	0.096 U J	0.23 J	0.070 U J	0.083 U J
Sodium	NA	**NA**	NA	595 J	439 J	373 J	348 J	196 J	298 J	434 J	343 J	340 J	276 J	173 J	376 J	351 J	533 J	224 J	201 J	211 J	1330 J	99.7 J	229 J
Thallium	NA	**NA**	NA	R	R	2.0 U	2.1 U	3.2 J	2.3 U	2.5 U	2.6 U	2.2 U	2.4 J	4.1 J	3.1 J	3.3 J	7.3 J	2.2 J	2.0 U J	2.4 U J	3.0 U J	1.7 U J	3.9 J
Vanadium	NA	**NA**	150	10.5 J	12.3 J	12.1	7.2 J	15	6.3 J	11.3 J	10.2 J	5.9 J	12.6	11.5 J	13.7 J	13.8	19.2	14.6	8.1 J	8.1 J	12.3 J	6.7 J	12.6
Zinc	2480	**109**	20	64.6	15.6	43.8 J	9.4 J	14.3 J	5.8 J	40.4 J	41.1 J	5.4 J	73.9	28.8	[204]	[186]	45.8	56.9	17	11.1	[307]	17.1	42.9

Table 2-6
Summary of Soil Sample Analytical Results - Metals
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

	NYSDEC	**NYSDEC**		SB-36	SB-36	SB-37	SB-37	SB-38	SB-38	SB-39	SB-39	SB-40	SS-BLDGB-01	SS-BLDGB-02
	Part 375	**Part 375**	NYSDEC	213432-014	213432-015	213432-018	213432-019	213432-016	213432-017	213432-020	213443-001	213443-002	209775-001	209775-002
	Restricted SCO	**Unrestricted**	TAGM 4046	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/7/2006	6/7/2005	6/7/2005
CONSTITUENT (mg/kg)	Comm. & Prot. GW	**SCO**	RSCOs	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Starting Depth (feet)				12	16	16	12	4	0	0	28	4	0	0
Ending Depth (feet)				16	20	20	16	8	4	4	32	5.5	0	0
Aluminum	NA	**NA**	NA	5950	5150	4360	6900	4250	6070	15600	4890	6270	6290	7780
Antimony	NA	**NA**	NA	R	R	R	R	R	R	R	41.5 J	R	1.1 U J	1.3 U J
Arsenic	16	**13**	7.5	7.7 J	3.0 J	5.1 J	2.8 J	6.9 J	4.9 J	2.6 J	9.2 J	2.3 J	2.6 J	3 J
Barium	400	**350**	300	106	34.9 J	13.8 J	44.7	84.3	173	144	65.1	144	104	[501]
Beryllium	590	**7.2**	0.16	0.32 J	0.28 J	0.42 J	0.39 J	0.22 J	0.21 J	0.67 J	0.22 J	0.38 J	0.19 U	0.22 U
Cadmium	7.5	**2.5**	10	0.96 J	0.67 J	1	0.59 J	1.1	1.1	1.3	[3.6]	1	0.4 J	0.6 J
Calcium	NA	**NA**	NA	37000	65000	119000	11000	54900	91100	57600	66500 J	99400 J	63200 J	81600 J
Chromium	NA	**NA**	50	9.1	6.5	5.7	8.1	9	8.7	22.9	9.9	8.5	6.7 J	8.5 J
Cobalt	NA	**NA**	30	6.9 J	4.7 J	4.5 J	5.0 J	4.6 J	4.0 J	12.9	7.8 J	4.3 J	3.5 J	4.3 J
Copper	270	**50**	25	[59.9]	11.8	8.7	13.3	[480]	27.3	21.2	[129] J	19.6 J	12.1	13.9
Iron	NA	**NA**	2000	15300 J	10400 J	11600 J	10000 J	11700 J	9300 J	21600 J	31200 J	10500 J	7710	9960
Lead	450	**63**	500	[125]	13.9	17.8	13.3	[187]	62.4	17.1	[1770]	[159]	38.5	[150]
Magnesium	NA	**NA**	NA	12000	9600	58100	2520	21500	33900	14800	24100	11200	5920	8580
Manganese	2000	**1600**	NA	489	536	313	174	373	401	536	487	260	401	520
Mercury	2.8	**0.18**	0.1	0.18	0.045	0.0082 J	0.022	[1.3]	[0.21]	0.1	[0.42]	[0.28]	0.014 J	0.024
Nickel	310	**30**	13	14.6	9.8 J	9	10.1	10.3	8.3 J	28.3	13.9	10.1	8.2 J	10
Potassium	NA	**NA**	NA	536 J	739 J	1750 J	420 J	618 J	963 J	2300 J	954 J	865 J	984 J	1510 J
Selenium	1500	**3.9**	2	1.4 U J	1.7 U J	1.2 U J	1.3 U J	1.3 U J	1.3 U J	1.4 U J	1.3 U J	1.3 U J	1.4 U	1.7 U
Silver	1500	**2**	NA	0.13 J	0.11 U J	0.074 U J	0.081 U J	[2.2] J	0.084 U J	0.088 U J	0.58 J	0.080 U J	0.24 U	0.27 U
Sodium	NA	**NA**	NA	203 J	172 J	218 J	84.3 J	254 J	588 J	464 J	192 J	4990 J	269 J	557 J
Thallium	NA	**NA**	NA	3.1 J	4.3 J	1.8 U J	4.0 J	3.3 J	2.1 U J	5.4 J	4.9 J	3.2 J	R	R
Vanadium	NA	**NA**	150	13.1	10.0 J	6.7 J	12.5	14.8	13.1	25.2	11	11.6	10.9	13.1
Zinc	2480	**109**	20	94.7	33.2	8.3	31.7	[155]	[207]	69.2	[601]	[150]	80 J	[282] J

Table 2-7
Summary of Groundwater and LNAPL Sample Analytical Results - Volatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

CONSTITUENT	NYSDEC TOGS	MW-1D 209775-017 6/13/2005 Primary ug/l	MW-1D 213609-009 8/31/2006 Primary ug/l	MW-1D LNAPL 209775-012 6/10/2005 Primary ug/kg	MW-1D LNAPL 213609-008 8/31/2006 Primary ug/kg	MW-1DD 209775-014 6/13/2005 Primary ug/l	MW-1DD 209775-018 6/13/2005 Duplicate 1 ug/l	MW-1DD 213609-007 8/31/2006 Primary ug/l	MW-1DD 213609-012 8/31/2006 Duplicate 1 ug/l	MW-2D 209775-011 6/10/2005 Primary ug/l	MW-2D 213609-016 9/1/2006 Primary ug/l	MW-2DD 209775-016 6/13/2005 Primary ug/l	MW-2DD 213609-017 9/1/2006 Primary ug/l	MW-3D 209775-005 6/7/2005 Primary ug/l	MW-3D 213609-019 9/1/2006 Primary ug/l	MW-3DD 209775-003 6/7/2005 Primary ug/l	MW-3DD 213609-020 9/1/2006 Primary ug/l	MW-4D 209775-008 6/9/2005 Primary ug/l	MW-4D 213609-015 9/1/2006 Primary ug/l	MW-5D 213609-010 8/31/2006 Primary ug/l	MW-6D 213609-014 9/1/2006 Primary ug/l
Dichlorodifluoromethane	**5**	NA	1 U	150000 U	600000 U	NA	NA	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	1 U
Chloromethane	**5**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Vinyl chloride	**2**	[9400]	[22000] J	150000 U	600000 U	[990]	[930]	[2600] J	[2600] J	1 U	0.3 J	0.2 J	1 U J	4 U	1 U J	1 U	0.1 J	[2400]	[760] J	0.4 J	0.2 J
Bromomethane	**5**	5000 U	1 U	150000 U J	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Chloroethane	**5**	5000 U J	1 U J	150000 U	600000 U	50 U J	50 U	[22] J	[18] J	1 U	2	1 U J	1 U	[54] J	[15]	1 U J	1 U	100 U J	1 J	1 U J	1 U
Trichlorofluoromethane	**5**	NA	1 U	150000 U	600000 U	NA	NA	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	1 U
1,1-Dichloroethene	**5**	5000 U	[150] J	150000 U	600000 U	50 U	50 U	[6]	5	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1	1 U	1 U
Carbon Disulfide	**60**	5000 U	7	150000 U	600000 U	50 U	50 U	1 U	0.4 J	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Acetone	**50**	25000 U J	10	150000 U J	600000 U J	250 U J	250 U J	5 U	5 U	5 U J	5 U	5 U J	5 U J	20 U J	5 U J	7 U J	5 U J	500 U J	5 U	5 U	43 J
Methylene Chloride	**5**	10000 U	2 U	150000 U J	600000 U	100 U	100 U	2 U	2 U	2 U	2 U	2 U	2 U	8 U	2 U	2 U	2 U	200 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	**5**	5000 U	[130] J	150000 U	600000 U	50 U	50 U	[15]	[11]	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	5	1 U	1 U
Methyl Tertiary Butyl Ether	**10**	NA	0.2 J	150000 U	600000 U	NA	NA	7	7	NA	0.6 J	NA	1 U	NA	0.7 J	NA	1 U	NA	1 U	1 U	0.2 J
1,1-Dichloroethane	**5**	[1600] J	[1300] J	[24000] J	600000 U	[130]	[130]	[390]	[410]	0.2 J	2	1 U	1 U	0.6 J	1 U	3	1 U	[10] J	[11]	1 U	1
cis-1,2-Dichloroethene	**5**	[81000]	[42000]	[1800000]	[8400000]	[840]	[850]	[1900]	[1900]	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	[890]	[780]	0.7 J	0.7 J
2-Butanone	**50**	25000 U J	5 U J	150000 U J	600000 U	250 U J	250 U J	5 U J	5 U J	5 U J	5 U J	5 U J	5 U J	R	5 U J	R	5 U J	500 U J	5 U J	5 U J	7 J
Bromochloromethane	**5**	5000 U	1 U	NA	NA	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Chloroform	**7**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	0.3 J	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
1,1,1-Trichloroethane	**5**	5000 U	[170] J	150000 U	600000 U	50 U	50 U	2	2	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	3	1 U	1 U
Carbon Tetrachloride	**5**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Benzene	**1**	5000 U	[32] J	150000 U	600000 U	50 U	50 U	[3]	[3]	1 U	1 U	1 U	1 U	[15]	0.5 J	1 U	0.7 J	100 U	[2]	1 U	0.1 J
1,2-Dichloroethane	**0.6**	5000 U	[2]	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Trichloroethene	**5**	5000 U	[12]	[170000]	[360000] J	50 U	50 U	1 U	0.3 J	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	[16] J	[96]	1 U	1 U
1,2-Dichloropropane	**1**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Bromodichloromethane	**50**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	**0.4**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	**NA**	25000 U	34	150000 U	600000 U	250 U	250 U	5 U	5 U	5 U	5 U	5 U	5 U	20 U	5 U	5 U	5 U	500 U	5 U	5 U	0.9 J
Toluene	**5**	7600 U	[4200]	[1400000]	[7100000]	50 U	50 U	[160] J	[170] J	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	0.1 J	1 U
trans-1,3-Dichloropropene	**0.4**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
1,1,2-Trichloroethane	**1**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Tetrachloroethene	**5**	5000 U	0.8 J	[14000] J	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
2-Hexanone	**50**	25000 U	5 U	150000 U	600000 U	250 U	250 U	5 U	5 U	5 U	5 U	5 U	5 U	20 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U
Dibromochloromethane	**50**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
1,2-Dibromoethane	**0.0006**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Chlorobenzene	**5**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Ethylbenzene	**5**	[750] J	[610] J	[200000]	[1100000]	50 U	50 U	[44] J	[42] J	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Styrene	**5**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Bromoform	**50**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	**5**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Xylene (total)	**5**	[1900] J	[1700] J	[520000]	[2400000]	[9] J	50 U	[75]	[70] J	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	0.3 J
1,3-Dichlorobenzene	**3**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
1,4-Dichlorobenzene	**3**	5000 U	2	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
1,2-Dichlorobenzene	**3**	5000 U	[6]	150000 U	600000 U	50 U	50 U	1	1	1 U	1 U	1 U	1 U	3 J	1 U	1 U	1 U	100 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	**0.04**	R	1 U	150000 U	600000 U	R	R	1 U	1 U	R	1 U	R	1 U	R	1 U	R	1 U	R	1 U	1 U	1 U
1,2,4-Trichlorobenzene	**5**	5000 U	1 U	150000 U	600000 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U
Cyclohexane	**NA**	NA	25	150000 U	600000 U	NA	NA	1 U	1 U	NA	1 U	NA	1 U	NA	1	NA	1 U	NA	1 U	1 U	1 U
Methyl Cyclohexane	**NA**	NA	44 J	48000 J	600000 U	NA	NA	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	0.9 J
Isopropylbenzene	**5**	NA	[15]	[10000] J	[31000] J	NA	NA	0.3 J	0.3 J	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	1 U
Trichlorotrifluoroethane	**5**	NA	1 U	150000 U	600000 U	NA	NA	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	1 U
Methyl Acetate	**NA**	NA	NA	150000 U	600000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total VOCs	**NA**	94650	72450	41860000	19391000	1969	1910	5225.3	5240	0.2	5.2	0.2	0	72.6	17.2	3	0.8	3316	1659	1.2	54.3
Total VOC TICs	**NA**	0	395.6	8930000	31270000	0	0	4.5	6.9	0	0	0	13	20.2	7.7	11	0	0	0	0	42.9

Table 2-8
Summary of Groundwater and LNAPL Sample Analytical Results - Semivolatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

CONSTITUENT	NYSDEC TOGS	MW-1D	MW-1D	MW-1D LNAPL	MW-1DD	MW-1DD	MW-1DD	MW-1DD	MW-2D	MW-2D	MW-2DD	MW-2DD	MW-3D	MW-3D	MW-3DD	MW-3DD	MW-4D	MW-4D	MW-5D	MW-6D
		209775-017	213609-009	213609-008	209775-014	209775-018	213609-007	213609-012	209775-011	213609-016	209775-016	213609-017	209775-005	213609-019	209775-003	213609-020	209775-008	213609-015	213609-010	213609-014
		6/13/2005	8/31/2006	8/31/2006	6/13/2005	6/13/2005	8/31/2006	8/31/2006	6/10/2005	9/1/2006	6/13/2005	9/1/2006	6/7/2005	8/29/2006	6/7/2005	8/29/2006	6/9/2005	9/1/2006	8/31/2006	8/30/2006
		Primary	Primary	Primary	Primary	Duplicate 1	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
UNITS		ug/l	ug/l	ug/kg	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Phenol	1	0.6 J	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Bis(2-chloroethyl)ether	1	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2-Chlorophenol	1	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2-Methylphenol	1	[9]	[5] J	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2,2-oxybis(1-Chloropropane)	NA	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
N-Nitroso-di-n-propylamine	NA	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
4-Methylphenol	1	[22]	[10]	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Hexachloroethane	5	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Nitrobenzene	0.4	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Isophorone	50	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2-Nitrophenol	1	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2,4-Dimethylphenol	1	[2] J	[3] J	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Bis(2-chloroethoxy)methane	5	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2,4-Dichlorophenol	5	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Naphthalene	10	10	6	[72000] J	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
4-Chloroaniline	5	R	6 U	40000 U	R	R	6 U	6 U	5 U	7 U	R	5 U	R	6 U J	R	5 U	6 U	5 U	6 U	5 U
Hexachlorobutadiene	0.5	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
4-Chloro-3-methylphenol	1	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2-Methylnaphthalene	NA	4 J	2 J	88000 J	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Hexachlorocyclopentadiene	5	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2,4,6-Trichlorophenol	1	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U J	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2,4,5-Trichlorophenol	1	20 U	22 U	2000000 U	20 U	20 U	23 U	24 U	20 U	29 U	20 U	22 U	20 U	23 U	20 U	22 U	25 U	22 U	22 U	20 U
2-Chloronaphthalene	10	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2-Nitroaniline	5	20 U	22 U	2000000 U	20 U	20 U	23 U	24 U	20 U	29 U	20 U	22 U	20 U	23 U	20 U	22 U	25 U	22 U	22 U	20 U
Acenaphthylene	NA	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2,6-Dinitrotoluene	5	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
3-Nitroaniline	5	20 U	22 U	2000000 U	20 U	20 U	23 U	24 U	20 U	29 U	20 U	22 U	20 U	23 U	20 U	22 U	25 U	22 U	22 U	20 U
Acenaphthene	20	3 J	3 J	[86000] J	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2,4-Dinitrophenol	10	20 U	22 U	2000000 U	20 U	20 U	23 U	24 U	20 U	29 U	20 U	22 U	20 U	23 U	20 U	22 U	25 U	22 U	22 U	20 U
Dibenzofuran	NA	5 U	6 U	26000 J	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
2,4-Dinitrotoluene	5	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Fluorene	50	1 J	2 J	[83000] J	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Dimethylphthalate	50	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Diethylphthalate	50	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
4-Chlorophenylphenyl ether	NA	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
4-Nitroaniline	5	20 U	22 U	2000000 U	20 U	20 U	23 U	24 U	20 U	29 U	20 U	22 U	20 U	23 U	20 U	22 U	25 U	22 U	22 U	20 U
4,6-Dinitro-2-methylphenol	1	20 U	22 U	2000000 U	20 U	20 U	23 U	24 U	20 U	29 U	20 U	22 U	20 U	23 U	20 U	22 U	25 U	22 U	22 U	20 U
N-Nitrosodiphenylamine	50	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
4-Bromophenyl phenylether	NA	5 U	NA	40000 U	5 U	5 U	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U	NA	6 U	NA	NA	NA
Hexachlorobenzene	0.04	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Pentachlorophenol	1	20 U	22 U	2000000 U	20 U	20 U	23 U	24 U	20 U	29 U	20 U	22 U	20 U	23 U	20 U	22 U	25 U	22 U	22 U	20 U
Phenanthrene	50	1 J	1 J	[180000] J	5 U	5 U	6 U	6 U	5 U	2 J	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Anthracene	50	5 U	6 U	[20000] J	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Di-n-butylphthalate	50	5 U	6 U	40000 U	5 U	5 U	6 U	6 U	5 U	1 J	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Fluoranthene	50	5 U	6 U	[92000] J	5 U	5 U	6 U	6 U	5 U	4 J	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Pyrene	50	5 U	6 U J	[95000] J	5 U	5 U	6 U	6 U	5 U	5 J	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Butylbenzylphthalate	50	5 U	6 U J	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Benzo(a)anthracene	0.002	5 U	6 U J	[41000] J	5 U	5 U	6 U	6 U	5 U	[2] J	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
3,3'-Dichlorobenzidine	5	5 U	6 U J	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Chrysene	0.002	5 U	6 U J	[51000] J	5 U	5 U	6 U	6 U	5 U	[2] J	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Bis(2-ethylhexyl)phthalate	5	5 U	2 J	[2200000]	5 U	5 U	6 U	6 U	5 U	3 J	5 U	5 U	3 J	6 U	6 U	5 U	6 U	5 U	3 J	[20]
Di-n-octylphthalate	50	5 U	6 U J	40000 U	5 U	5 U	6 U	6 U	5 U	7 U	5 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	5 U
Benzo(b)fluoranthene	0.002	5 U	6 U J	40000 U	5 U	5 U	6 U	6 U	5 U	[2] J	5 U	5 U	5 U	6 U J	5 U	5 U	6 U	5 U	6 U	5 U
Benzo(k)fluoranthene	0.002	5 U	6 U J	40000 U	5 U	5 U	6 U	6 U	5 U	[2] J	5 U	5 U	5 U	6 U J	5 U	5 U	6 U	5 U	6 U	5 U
Benzo(a)pyrene		5 U	6 U J	40000 U	5 U	5 U	6 U	6 U	5 U	[2] J	5 U	5 U	5 U J	6 U J	5 U J	5 U	6 U	5 U	6 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	5 U J	6 U J	[31000] J	5 U J	5 U J	6 U	6 U	5 U J	[2] J	5 U J	5 U	5 U J	6 U J	5 U J	5 U	6 U J	5 U	6 U	5 U
Dibenzo(a,h)anthracene	NA	5 U J	6 U J	40000 U	5 U J	5 U J	6 U	6 U	5 U J	7 U	5 U J	5 U	5 U J	6 U J	5 U J	5 U	6 U J	5 U	6 U	5 U
Benzo(g,h,i)perylene	NA	5 U J	6 U J	30000 J	5 U J	5 U J	6 U	6 U	5 U J	2 J	5 U J	5 U	5 U J	6 U J	5 U J	5 U	6 U J	5 U	6 U	5 U
4-Nitrophenol	1	20 U	22 U	2000000 U	20 U	20 U	23 U	24 U	20 U	29 U	20 U	22 U	20 U	23 U	20 U	22 U	25 U	22 U	22 U	20 U
4-Bromofluorobenzene	NA	NA	6 U	NA	NA	NA	6 U	6 U	NA	7 U	NA	5 U	NA	6 U	NA	5 U	NA	5 U	6 U	5 U
Acetophenone	NA	NA	NA	40000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	7.5	NA	NA	40000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	40000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl	NA	NA	NA	40000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NA	NA	NA	40000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	40000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total SVOCs	NA	52.6	34	3095000	0	0	0	0	0	29	0	0	3	0	0	0	0	0	3	20
Total SVOC TICs	NA	579	933	11320000	22	9	104	68	2	100	454	6	231	206	3	850	16	117	99	10

Table 2-9
Summary of Groundwater and LNAPL Sample Analytical Results - Metals
Former Raeco Products Site, Rochester,New York
Site Number 8-28-107

		MW-1D	MW-1D	MW-1D LNAPL	MW-1DD	MW-1DD	MW-1DD	MW-1DD	MW-2D	MW-2D	MW-2DD	MW-2DD	MW-3D	MW-3D	MW-3DD	MW-3DD	MW-4D	MW-4D	MW-5D	MW-6D
		209775-017	213609-009	213609-008	209775-014	209775-018	213609-007	213609-012	209775-011	213609-016	209775-016	213609-017	209775-005	213609-002	209775-003	213609-001	209775-008	213609-015	213609-010	213609-004
	NYSDEC	6/13/2005	8/31/2006	8/31/2006	6/13/2005	6/13/2005	8/31/2006	8/31/2006	6/10/2005	9/1/2006	6/13/2005	9/1/2006	6/7/2005	8/29/2006	6/7/2005	8/29/2006	6/9/2005	9/1/2006	8/31/2006	8/30/2006
CONSTITUENT (ug/l)	TOGS	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Aluminum	**NA**	44.5 J	18.0 U	4020 U	228	209	18.0 U	18.0 U	4440	7010 J	61.7 J	18.0 U	23.5 J	18.0 U	45.7 J	18.0 U	66.7 J	68.8 J	9590 J	180 J
Antimony	**3**	5.1 U	6.2 U	1380 U J	5.1 U	5.1 U	6.2 U	6.2 U	5.1 U	6.2 U	5.1 U	6.2 U	5.1 U	6.2 U	5.1 U	6.2 U	5.1 U	6.2 U	6.2 U	6.2 U
Arsenic	**25**	5.4 U	5.4 J	982 U	5.4 U	5.4 U	4.4 U	4.4 U	5.4 U	4.8 J	5.4 U	4.4 U	5.4 U	4.4 U	5.4 U	4.4 U	5.4 U	4.4 U	12.4	4.4 U
Barium	**1000**	630	440 J	531 J	24.1 J	24.5 J	23.2 J	23.5 J	188 J	197 J	10.5 J	23.1 J	25.8 J	53.6 J	16.9 J	11.4 J	33.3 J	51.9 J	269 J	28.8 J
Beryllium	**3**	0.9 U	0.10 U	22.3 U	0.9 U	0.9 U	0.10 U	0.10 U	0.9 U	0.47 J	0.9 U	0.10 U	0.9 U	0.10 U	0.9 U	0.10 U	0.9 U	0.10 U	0.62 J	0.10 U
Cadmium	**5**	1.8 J	0.77 J	67 U	1.2 U	1.2 U	0.30 U	0.30 U	1.6 J	3.7 J	1.2 U	0.30 U	1.2 U	0.44 J	1.2 U	0.56 J	1.2 U	0.60 J	[6.9]	0.31 J
Calcium	**NA**	606000	469000	402000 J	207000	213000	189000	190000	183000	219000	299000	189000	145000	180000	71000	67000	227000	333000	223000	135000
Chromium	**50**	1.3 U	0.40 U	[204] J	1.3 U	1.3 U	0.40 U	0.40 U	19.4	32.5	1.3 U	0.40 U	1.3 U	1.7 J	1.3 U	0.41 J	1.3 U	0.40 U	14	1.2 J
Cobalt	**NA**	1.5 J	1.1 J	134 U J	2.1 J	2.7 J	0.60 U	0.60 U	5.6 J	12.8 J	8.1 J	0.60 U	1.3 U	0.60 U	1.3 U	0.69 J	12.8 J	2.1 J	8.9 J	1.8 J
Copper	**200**	1.3 U	0.74 J	[605] J	1.3 U	1.3 U	0.60 U	0.66 J	29.5	35.5	1.3 U	0.67 J	1.3 U	0.60 U	1.3 U	0.60 U	1.3 U	2.1 J	86.2	36.7
Iron	**300**	[25200]	[10200]	[64000]	[942]	[862]	8.3 U	8.3 U	[8550]	[19100]	[2050]	8.3 U	[4080]	[3530]	[9250]	[9040]	26.6 J	[564]	[21800]	[10100]
Lead	**25**	3.3 U	2.3 U	513 U J	3.3 U	3.3 U	2.3 U	2.3 U	[127]	[207]	3.3 U	2.3 U	3.3 U	2.3 U	3.3 U	2.3 U	3.3 U	2.3 U	[48.8]	2.3 U
Magnesium	**35000**	[335000]	[258000]	[189000] J	[129000]	[132000]	[117000]	[117000]	[118000]	[127000]	[84400]	[116000]	[126000]	[151000]	[55100]	[49800]	[228000]	[297000]	[100000]	[73700]
Manganese	**300**	[1300]	[601]	[525] J	26.7	26.9	17.8	18.2	168	[413]	83.8	18.8	72.4	66.9	89.5	89.5	22.9	61	[1310]	208
Mercury	**0.7**	0.2 U	0.20 U	6.7 U	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U	0.20 U	0.2 U	0.20 U	0.2 U	0.20 U	0.2 U	0.20 U	0.20 U	0.20 U
Nickel	**100**	2 J	1.9 U	424 U J	3.8 J	3.8 J	4.7 J	5.2 J	10.9 J	16.0 J	11.8 J	5.4 J	1.3 U	2.3 J	1.5 J	1.9 U	25.1 J	7.1 J	19.6 J	8.2 J
Potassium	**NA**	33700 J	43000 J	23300 J	38000 J	39600 J	33500 J	33600 J	13700 J	15300 J	113000 J	33200 J	7670 J	11200 J	30900 J	24900 J	32700 J	28000 J	32200 J	23700 J
Selenium	**10**	6.7 U	7.3 U	1630 U J	6.7 U	6.7 U	7.3 U J	7.3 U J	6.7 U	7.3 U J	6.7 U	7.3 U J	6.7 U	7.3 U J	6.7 U	7.3 U J	6.7 U	7.3 U J	7.3 U J	7.3 U J
Silver	**50**	1.1 U	0.30 U	[67.8] J	1.1 U	1.1 U	0.30 U	0.30 U	1.1 U	0.40 J	1.1 U	0.30 U	1.1 U	0.30 U	1.1 U	0.30 U	1.1 U	0.30 U	0.30 U	0.30 U
Sodium	**20000**	[196000]	[225000]	[130000] J	[124000]	[127000]	[71900]	[71100]	[48600]	[47700]	[177000]	[71500]	[64100]	[73200]	[171000]	[170000]	[94800]	[164000]	[161000]	[180000]
Thallium	**0.5**	13.3 U J	R	2540 U J	13.3 U J	13.3 U J	11.4 U	11.4 U	13.3 U J	11.4 U	13.3 U J	11.4 U	13.3 U J	11.4 U	13.3 U J	11.4 U	13.3 U J	11.4 U	11.4 U	11.4 U
Vanadium	**NA**	1.3 U	0.40 U	89.3 U	1.3 U	1.3 U	2.6 J	2.7 J	7.4 J	12.4 J	1.3 U	2.8 J	1.3 U	0.40 U	1.3 U	0.40 U	1.3 U	0.40 U	17.2 J	0.40 U
Zinc	**2000**	57	18.1 J	647 U	1780	1750	2.9 U	2.9 U	354	392	[3810]	2.9 U	569	2.9 U	8.7 J	4.1 J	[4030]	2.9 U	95.5	35.8

Table 2-10
Monitoring Well Groundwater Elevations March 2006
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Raeco Products Monitoring Wells Location	Water Level Date	Top of Casing Elevation (ft)	Well Depth Measured (ft)	Well Depth Elevation (ft)	Water Level Measured (ft)	Water Level Elevation (ft)
MW-1D*	3/13/2006	480.78	36.00	444.78	17.42	463.36
MW-1DD	3/13/2006	481.25	75.19	406.06	52.13	429.12
MW-2D	3/13/2006	479.62	43.75	435.87	42.00	437.62
MW-2DD	3/13/2006	479.85	80.09	399.76	56.12	423.73
MW-3D	3/13/2006	480.86	46.23	434.63	27.27	453.59
MW-3DD	3/13/2006	480.57	75.05	405.52	36.45	444.12
MW-4D	3/13/2006	485.46	48.42	437.04	33.13	452.33
MW-4DD	3/13/2006	485.20	92.91	392.29	92.60	392.60
10 White Street Monitoring Wells **Location**	**Water Level Date**	**Top of Casing Elevation (ft)**	**Well Depth Measured (ft)**	**Well Depth Elevation (ft)**	**Water Level Measured (ft)**	**Water Level Elevation (ft)**
MW-1B	3/13/2006	483.52	36.40	447.12	32.18	451.34
MW-2B	3/13/2006	481.02	44.70	436.32	33.00	448.02
MW-2	3/13/2006	494.69	9.55	485.14	9.12	485.57
MW-3	3/13/2006	496.64	13.00	483.64	7.28	489.36
MW-3B	3/13/2006	487.51	5.00	482.51	2.36	485.15
MW-4	3/13/2006	491.13	6.00	485.13	Dry	NA

Notes:
10 White Street Data provided by NYSDEC and O'Brien Gere Engineers Inc.
*17.42 feet to LNAPL, 17.51 feet to water

Table 2-11
Summary of Surface Water Sample Analytical Results - Volatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

CONSTITUENT (ug/l)	NYSDEC TOGS Class B Surface Water	SW-01 210038-003 6/29/2005 Primary	SW-02 210038-002 6/29/2005 Primary	SW-03 210038-001 6/29/2005 Primary	SW-03 210038-004 6/29/2005 Duplicate 1
Chloromethane	**NA**	0.2 J	0.2 J	0.2 J	0.3 J
Vinyl chloride	**NA**	1 U	1 U	1 U	1 U
Bromomethane	**NA**	1 U J	1 U J	1 U J	1 U J
Chloroethane	**NA**	1 U	1 U	1 U	1 U
1,1-Dichloroethene	**NA**	1 U	1 U	1 U	1 U
Carbon Disulfide	**NA**	1 U	1 U	1 U	1 U
Acetone	**NA**	5 U J	5 U J	5 U J	5 U J
Methylene Chloride	**200**	2 U J	2 U J	2 U J	2 U J
trans-1,2-Dichloroethene	**NA**	1 U	1 U	1 U	1 U
1,1-Dichloroethane	**NA**	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	**NA**	1 U	1 U	1 U	1 U
2-Butanone	**NA**	R	R	R	R
Bromochloromethane	**NA**	1 U	1 U	1 U	1 U
Chloroform	**NA**	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	**NA**	1 U	1 U	1 U	1 U
Carbon Tetrachloride	**NA**	1 U	1 U	1 U	1 U
Benzene	**10**	1 U	1 U	1 U	1 U
1,2-Dichloroethane	**NA**	1 U	1 U	1 U	1 U
Trichloroethene	**40**	1 U	1 U	1 U	1 U
1,2-Dichloropropane	**NA**	1 U	1 U	1 U	1 U
Bromodichloromethane	**NA**	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	**NA**	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	**NA**	5 U	5 U	5 U	5 U
Toluene	**100**	0.1 J	1 U	1 U	0.1 J
trans-1,3-Dichloropropene	**NA**	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	**NA**	1 U	1 U	1 U	1 U
Tetrachloroethene	**1**	1 U	1 U	1 U	1 U
2-Hexanone	**NA**	R	R	R	R
Dibromochloromethane	**NA**	1 U	1 U	1 U	1 U
1,2-Dibromoethane	**NA**	1 U	1 U	1 U	1 U
Chlorobenzene	**5**	1 U	1 U	1 U	1 U
Ethylbenzene	**17**	1 U	1 U	1 U	1 U
Styrene	**NA**	1 U	1 U	1 U	1 U
Bromoform	**NA**	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	**NA**	1 U	1 U	1 U	1 U
Xylene (total)	**65**	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	**5**	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	**5**	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	**5**	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	**NA**	R	R	R	R
1,2,4-Trichlorobenzene	**5**	1 U	1 U	1 U	1 U
Total VOCs	**NA**	0.3	0.2	0.2	0.4
Total VOC TICs	**NA**	0	0	0	0

Table 2-12
Summary of Surface Water Sample Analytical Results - Semivolatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

CONSTITUENT (ug/l)	NYSDEC TOGS Class B Surface Water	SW-01 210038-003 6/29/2005 Primary	SW-02 210038-002 6/29/2005 Primary	SW-03 210038-001 6/29/2005 Primary	SW-03 210038-004 6/29/2005 Duplicate 1
Phenol	**5**	5 U X	5 U X	5 U X	5 U X
Bis(2-chloroethyl)ether	**NA**	5 U X	5 U X	5 U X	5 U X
2-Chlorophenol	**1**	5 U X	5 U X	5 U X	5 U X
2-Methylphenol	**5**	5 U X	5 U X	5 U X	5 U X
2,2-oxybis(1-Chloropropane)	**NA**	5 U X	5 U X	5 U X	5 U X
N-Nitroso-di-n-propylamine	**NA**	5 U X	5 U X	5 U X	5 U X
4-Methylphenol	**5**	5 U X	5 U X	5 U X	5 U X
Hexachloroethane	**0.6**	5 U X	5 U X	5 U X	5 U X
Nitrobenzene	**NA**	5 U X	5 U X	5 U X	5 U X
Isophorone	**NA**	5 U X	5 U X	5 U X	5 U X
2-Nitrophenol	**5**	5 U X	5 U X	5 U X	5 U X
2,4-Dimethylphenol	**5**	5 U X	5 U X	5 U X	5 U X
Bis(2-chloroethoxy)methane	**NA**	5 U X	5 U X	5 U X	5 U X
2,4-Dichlorophenol	**1**	5 U X	5 U X	5 U X	5 U X
Naphthalene	**13**	5 U X	5 U X	5 U X	5 U X
4-Chloroaniline	**NA**	5 U X	5 U X	5 U X	5 U X
Hexachlorobutadiene	**0.01**	5 U X	5 U X	5 U X	5 U X
4-Chloro-3-methylphenol	**1**	5 U X	5 U X	5 U X	5 U X
2-Methylnaphthalene	**4.7**	5 U X	5 U X	5 U X	5 U X
Hexachlorocyclopentadiene	**0.45**	5 U X	5 U X	5 U X	5 U X
2,4,6-Trichlorophenol	**1**	5 U X	5 U X	5 U X	5 U X
2,4,5-Trichlorophenol	**1**	20 U X	20 U X	20 U X	20 U X
2-Chloronaphthalene	**NA**	5 U X	5 U X	5 U X	5 U X
2-Nitroaniline	**NA**	20 U X	20 U X	20 U X	20 U X
Acenaphthylene	**5.3**	5 U X	5 U X	5 U X	5 U X
2,6-Dinitrotoluene	**NA**	5 U X	5 U X	5 U X	5 U X
3-Nitroaniline	**NA**	20 U X	20 U X	20 U X	20 U X
Acenaphthene	**NA**	5 U X	5 U X	5 U X	5 U X
2,4-Dinitrophenol	**5**	20 U X	20 U X	20 U X	20 U X
Dibenzofuran	**NA**	5 U X	5 U X	5 U X	5 U X
2,4-Dinitrotoluene	**NA**	5 U X	5 U X	5 U X	5 U X
Fluorene	**0.54**	5 U X	5 U X	5 U X	5 U X
Dimethylphthalate	**NA**	5 U X	5 U X	5 U X	5 U X
Diethylphthalate	**NA**	5 U X	5 U X	5 U X	5 U X
4-Chlorophenylphenyl ether	**NA**	5 U X	5 U X	5 U X	5 U X
4-Nitroaniline	**NA**	20 U X	20 U X	20 U X	20 U X
4,6-Dinitro-2-methylphenol	**5**	20 U X	20 U X	20 U X	20 U X
N-Nitrosodiphenylamine	**NA**	5 U X	5 U X	5 U X	5 U X
4-Bromophenyl phenylether	**NA**	5 U X	5 U X	5 U X	5 U X
Hexachlorobenzene	**0.00003**	5 U X	5 U X	5 U X	5 U X
Pentachlorophenol	**1**	20 U X	20 U X	20 U X	20 U X
Phenanthrene	**5**	5 U X	5 U X	5 U X	5 U X
Anthracene	**3.8**	5 U X	5 U X	5 U X	5 U X
Di-n-butylphthalate	**NA**	5 U X	5 U X	5 U X	5 U X
Fluoranthene	**NA**	5 U X	5 U X	5 U X	5 U X
Pyrene	**4.6**	5 U X	5 U X	5 U X	5 U X
Butylbenzylphthalate	**NA**	5 U X	5 U X	5 U X	5 U X
Benzo(a)anthracene	**0.03**	5 U X	5 U X	5 U X	5 U X
3,3'-Dichlorobenzidine	**NA**	5 U X	5 U X	5 U X	5 U X
Chrysene	**NA**	5 U X	5 U X	5 U X	5 U X
Bis(2-ethylhexyl)phthalate	**0.6**	5 U X	5 U X	5 U X	5 U X
Di-n-octylphthalate	**NA**	5 U X	5 U X	5 U X	5 U X
Benzo(b)fluoranthene	**NA**	5 U X	5 U X	5 U X	5 U X
Benzo(k)fluoranthene	**NA**	5 U X	5 U X	5 U X	5 U X
Benzo(a)pyrene	**0.0012**	5 U X	5 U X	5 U X	5 U X
Indeno(1,2,3-cd)pyrene	**NA**	5 U X	5 U X	5 U X	5 U X
Dibenzo(a,h)anthracene	**NA**	5 U X	5 U X	5 U X	5 U X
Benzo(g,h,i)perylene	**NA**	5 U X	5 U X	5 U X	5 U X
4-Nitrophenol	**5**	20 U X	20 U X	20 U X	20 U X
Total SVOCs	**NA**	0	0	0	0
Total SVOC TICS	**NA**	0	0	0	2

Table 2-13
Summary of Surface Water Sample Analytical Results - Metals
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

CONSTITUENT (ug/l)	NYSDEC TOGS Class B Surface Water	SW-01 210038-003 6/29/2005 Primary	SW-02 210038-002 6/29/2005 Primary	SW-03 210038-001 6/29/2005 Primary	SW-03 210038-004 6/29/2005 Duplicate 1
Aluminum	**100**	[337]	[315]	[174] J	[315]
Antimony	**NA**	5.1 U	5.1 U	5.1 U	5.1 U
Arsenic	**150**	5.4 U	5.4 U	5.4 U	5.4 U
Barium	**NA**	48.4 J	46.4 J	45.7 J	48.5 J
Beryllium	**11**	0.9 U	0.9 U	0.9 U	0.9 U
Cadmium	**NA**	1.2 U	1.2 U	1.2 U	1.2 U
Calcium	**NA**	76300	73200	72900	76500
Chromium	**NA**	1.3 U	1.3 U	1.3 U	1.3 U
Cobalt	**5**	1.3 U	1.3 U	1.3 U	1.3 U
Copper	**NA**	2.6 J	2.4 J	3 J	2.9 J
Iron	**300**	[588]	[547]	294	[553]
Lead	**NA**	3.3 U	3.3 U	3.3 U	3.3 U
Magnesium	**NA**	16000	15400	15300	16100
Manganese	**NA**	68.8	63.7	65.8	70.6
Mercury	**0.0007**	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	**NA**	1.9 J	1.4 J	1.3 U	1.4 J
Potassium	**NA**	2730 J	2590 J	2540 J	2740 J
Selenium	**4.6**	6.7 U	6.7 U	6.7 U	6.7 U
Silver	**0.1**	1.1 U	1.1 U	1.1 U	1.1 U
Sodium	**NA**	32100	30900	30800	32300
Thallium	**8**	R	R	R	R
Vanadium	**14**	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	**NA**	6.6 J	6.2 J	6.3 J	21.2 J

Table 2-14
Monitoring Well Groundwater Elevations August 2006
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Raeco Products Monitoring Wells Location	Water Level Date	Top of Casing Elevation (ft)	Well Depth Measured (ft)	Well Depth Elevation (ft)	Water Level Measured (ft)	Water Level Elevation (ft)
MW-1D*	8/31/2006	480.78	36.00	444.78	17.13	463.65
MW-1DD	8/29/2006	481.25	75.00	406.25	51.75	429.50
MW-2D	8/29/2006	479.62	43.57	436.05	41.70	437.92
MW-2DD	8/29/2006	479.85	79.52	400.33	55.82	424.03
MW-3D	8/29/2006	480.86	46.01	434.85	27.30	453.56
MW-3DD	8/29/2006	480.57	74.90	405.67	35.51	445.06
MW-4D	8/30/2006	485.46	48.18	437.28	32.55	452.91
MW-4DD	8/30/2006	485.20	93.00	392.20	91.60	393.60
MW-5D	8/30/2006	482.85	39.58	443.27	31.75	451.10
MW-6D	8/30/2006	483.54	56.70	426.84	40.13	443.41

Notes:
*17.13 feet to LNAPL, 17.21 feet to water

Table 3-1
FWIA Groundwater and Surfacewater Screening Levels
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Constituent	Screening Level	Source
Volatiles (ug/l)		
1,1,1-Trichloroethane		
1,1,2,2-Tetrachloroethane		
1,1,2-Trichloroethane		
1,1-Dichloroethane	47	4
1,1-Dichloroethene		
1,2,4-Trichlorobenzene	5 a	1, 2
1,2-Dibromoethane		
1,2-Dichlorobenzene	5 b	1, 2
1,2-Dichloroethane		
1,2-Dichloropropane		
1,3-Dichlorobenzene	5 b	1, 2
1,4-Dichlorobenzene	5 b	1, 2
2-Butanone		
2-Hexanone		
4-Methyl-2-pentanone		
Acetone		
Benzene	10 f	1, 2
Bromodichloromethane		
Bromoform		
Bromomethane		
Carbon disulfide		
Carbon tetrachloride		
Chlorobenzene	5	1, 2
Chlorobromomethane		
Chloroethane		
Chloroform	124 d	3
Chloromethane		
cis-1,2-Dichloroethene	1160 d e	3
cis-1,3-Dichloropropene		
Dibromochloromethane		
Dibromochloropropane		
Ethylbenzene	17	2
Methylene chloride	200 f	1, 2
Styrene		
Tetrachloroethene	1 f	2
Toluene	100	2
trans-1,2-Dichloroethene		
trans-1,3-Dichloropropene		
Trichloroethene	40 f	1, 2
Vinyl chloride		
Xylene (total)	65 c	2
Semivolatiles (ug/l)		
2,2'-oxybis(1-chloropropane)		
2,4,5-Trichlorophenol		
2,4,6-Trichlorophenol		
2,4-Dichlorophenol	0.3 h	1, 2
2,4-Dimethylphenol	1,000 f	1, 2
2,4-Dinitrophenol	400 f	1, 2
2,4-Dinitrotoluene		
2,6-Dinitrotoluene		
2-Chloronaphthalene	10 h	1, 2
2-Chlorophenol		

Table 3-1
FWIA Groundwater and Surfacewater Screening Levels
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Constituent	Screening Level	Source
2-Methylnaphthalene	4.7	2
3,3-Dichlorobenzidine		
4,6-Dinitro-o-cresol		
4-Bromophenyl phenyl ether		
4-Chlorophenyl phenyl ether		
Acenaphthene	5.3	2
Acenaphthylene		
Anthracene	3.8	2
Benzo(a)anthracene	0.03	2
Benzo(a)pyrene	0.0012 f	2
Benzo(b)fluoranthene	0.03 i	2
Benzo(ghi)perylene	0.03 i	2
Benzo(k)fluoranthene	0.03 i	2
Bis(2-chloroethoxy)methane		
Bis(2-chloroethyl)ether		
Bis(2-ethylhexyl)phthalate (BEHP)	0.6	1, 2
Butyl benzyl phthalate		
Chrysene		
Dibenzo(a,h)anthracene		
Dibenzofuran		
Diethyl phthalate		
Dimethyl phthalate		
Di-n-butyl phthalate		
Di-n-octyl phthalate		
Fluoranthene		
Fluorene	0.54	2
Hexachlorobenzene	0.00003 f	1, 2
Hexachlorobutadiene	0.01 f	1, 2
Hexachlorocyclopentadiene	0.45	1, 2
Hexachloroethane	0.6 f	1, 2
Indeno(1,2,3-cd)pyrene		
Isophorone		
m-Nitroaniline		
Naphthalene	13	2
Nitrobenzene	30 h	1, 2
N-Nitrosodiphenylamine		
N-Nitrosodipropylamine		
o-Cresol	13	4
o-Nitroaniline		
o-Nitrophenol		
p-Chloroaniline		
p-Chloro-m-cresol		
Pentachlorophenol	4.05 g	1, 2
p-Cresol	13 j	4
Phenanthrene	5.0	2
Phenol	1.0 h	2
p-Nitroaniline		
p-Nitrophenol		
Pyrene	4.6	2
Metals (ug/l)		
Aluminum	100	1, 2
Antimony		
Arsenic	150 m	1, 2

Table 3-1
FWIA Groundwater and Surfacewater Screening Levels
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Constituent	Screening Level	Source
Barium	4.0	4
Beryllium	11 k	1, 2
Cadmium	2.09 k m	1, 2
Calcium		
Chromium	74.11 k m	1, 2
Cobalt	5 l	1, 2
Copper	8.96 k m	1, 2
Iron	300	1, 2
Lead	3.78 k m	1, 2
Magnesium		
Manganese	300 h	2
Mercury	0.0013 n	5
Nickel	52.0 k m	1, 2
Potassium		
Selenium	4.6 m	1, 2
Silver	0.1	1, 2
Sodium		
Thallium	8 l	1, 2
Vanadium	14 l	1, 2
Zinc	82.6 k m	1, 2

Notes:

1 - NYSDEC. 1999. *Water Quality Regulations: Surface Water and Groundwater Classifications and Standards.* New York State Codes, Rules and Regulations; Title 6, Chapter X Part 703

2 - NYSDEC. 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Division of Water Technical and Operational Guidance Series (1.1.1). June 1998.

3 - National Oceanic and Atmospheric Administration (NOAA). 1999. Screening Quick Reference Tables (SQuiRT).

4 - Oak Ridge National Laboratory (ORNL). 1996. *Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota: 1996 Revision*. ES/ER/TM-96/R2.

5 - USEPA. October 2001. Water Quality Guidance for the Great Lakes System. 40 CFR Protection of Environment. Subchapter D – Water Programs. Part 132.

a - applies to the sum of 1,2,3-, 1,2,4-, and 1,3,5-trichlorobenzene. Only have results for 1,2,4-trichlorobenzene

b - applies to the sum of 1,2-, 1,3-, and 1,4-dichlorobenzene

c - applies to the sum of 1,2-, 1,3-, and 1,4-xylene

d - Lowest Observable Effect Level (LOEL) benchmark was divided by 10 to adjust to No Observable Effect Level (NOEL)

e - Criteria Maximum Concentration (CMC) used

f - H(FC) value used

g - pH of 6.5 is assumed

h - Aesthetic value used

i - Benz(a)anthracene value used as surrogate

j - 2-methylphenol value used

k - hardness of 100 ppm is assumed

l - acid-soluble form

m - dissolved value used

n - Wildlife protection (fresh waters) value

Most strigent value chosen of A(C) , H(FC) and W

A(C) - Fish Propagation (fresh waters) value used unless otherwise noted.

Table 3-2
FWIA Groundwater Screening Analysis for Potential Ecological Impacts to Surfacewater
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Constituents	Screening Levels	MW-1D 6/13/2005	MW-1DD 6/13/2005	MW-1DD DUP 6/13/2005	MW-2D 6/10/2005	MW-2DD 6/13/2005	MW-3D 6/7/2005	MW-3DD 6/7/2005	MW-4D 6/9/2005
Volatiles (ug/l)									
1,1,1-Trichloroethane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
1,1,2,2-Tetrachloroethane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
1,1,2-Trichloroethane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
1,1-Dichloroethane	470	1600 J	130	130	0.2 J	1 U	0.6 J	3	10 J
1,1-Dichloroethene		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
1,2,4-Trichlorobenzene	50	5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
1,2-Dibromoethane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
1,2-Dichlorobenzene	50	5000 U	50 U	50 U	1 U	1 U	3 J	1 U	100 U
1,2-Dichloroethane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
1,2-Dichloropropane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
1,3-Dichlorobenzene	50	5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
1,4-Dichlorobenzene	50	5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
2-Butanone		25000 UJ	250 UJ	250 UJ	5 UJ	5 UJ	R	R	500 UJ
2-Hexanone		25000 U	250 U	250 U	5 U	5 U	20 U	5 U	500 U
4-Methyl-2-pentanone		25000 U	250 U	250 U	5 U	5 U	20 U	5 U	500 U
Acetone		25000 UJ	250 UJ	250 UJ	5 UJ	5 UJ	20 UJ	7 UJ	500 UJ
Benzene	100	5000 U	50 U	50 U	1 U	1 U	15	1 U	100 U
Bromodichloromethane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Bromoform		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Bromomethane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Carbon disulfide		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Carbon tetrachloride		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Chlorobenzene	50	5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Chlorobromomethane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Chloroethane		5000 UJ	50 UJ	50 U	1 U	1 UJ	54 J	1 UJ	100 UJ
Chloroform	1240	5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Chloromethane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
cis-1,2-Dichloroethene	11600	81000	840	850	1 U	1 U	4 U	1 U	890
cis-1,3-Dichloropropene		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Dibromochloromethane		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Dibromochloropropane		R	R	R	R	R	R	R	R
Ethylbenzene	170	750 J	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Methylene chloride	2000	10000 U	100 U	100 U	2 U	2 U	8 U	2 U	200 U
Styrene		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Tetrachloroethene	10	5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Toluene	1000	7600 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
trans-1,2-Dichloroethene		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
trans-1,3-Dichloropropene		5000 U	50 U	50 U	1 U	1 U	4 U	1 U	100 U
Trichloroethene	400	5000 U	50 U	50 U	1 U	1 U	4 U	1 U	16 J
Vinyl chloride		9400	990	930	1 U	0.2 J	4 U	1 U	2400
Xylene (total)	650	1900 J	9 J	50 U	1 U	1 U	4 U	1 U	100 U
Sum of Constituents		94650	1969	1910	0.2	0.2	72.6	3	3316
Semivolatiles (ug/l)									
2,2'-oxybis(1-chloropropane)		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
2,4,5-Trichlorophenol		20 U	20 U	20 U	20 U	20 U	20 U	20 U	25 U
2,4,6-Trichlorophenol		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
2,4-Dichlorophenol	3	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
2,4-Dimethylphenol	10,000	2 J	5 U	5 U	5 U	5 U	5 U	5 U	6 U
2,4-Dinitrophenol	4000	20 U	20 U	20 U	20 U	20 U	20 U	20 U	25 U
2,4-Dinitrotoluene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
2,6-Dinitrotoluene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
2-Chloronaphthalene	100	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
2-Chlorophenol		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
2-Methylnaphthalene	47	4 J	5 U	5 U	5 U	5 U	5 U	5 U	6 U
3,3-Dichlorobenzidine		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
4,6-Dinitro-o-cresol		20 U	20 U	20 U	20 U	20 U	20 U	20 U	25 U
4-Bromophenyl phenyl ether		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
4-Chlorophenyl phenyl ether		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Acenaphthene	53	3 J	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Acenaphthylene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Anthracene	38	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Benzo(a)anthracene	0.3	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Benzo(a)pyrene	0.012	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	6 U
Benzo(b)fluoranthene	0.3	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Benzo(ghi)perylene	0.3	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	6 UJ
Benzo(k)fluoranthene	0.3	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Bis(2-chloroethoxy)methane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Bis(2-chloroethyl)ether		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Bis(2-ethylhexyl)phthalate (BEHP)	6	5 U	5 U	5 U	5 U	5 U	3 J	6 U	6 U
Butyl benzyl phthalate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Chrysene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Dibenzo(a,h)anthracene		5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	6 UJ
Dibenzofuran		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U

Table 3-2
FWIA Groundwater Screening Analysis for Potential Ecological Impacts to Surfacewater
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Constituents	Screening Levels	MW-1D 6/13/2005	MW-1DD 6/13/2005	MW-1DD DUP 6/13/2005	MW-2D 6/10/2005	MW-2DD 6/13/2005	MW-3D 6/7/2005	MW-3DD 6/7/2005	MW-4D 6/9/2005
Diethyl phthalate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Dimethyl phthalate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Di-n-butyl phthalate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Di-n-octyl phthalate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Fluoranthene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Fluorene	5.4	1 J	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Hexachlorobenzene	0.00030	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Hexachlorobutadiene	0.10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Hexachlorocyclopentadiene	4.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Hexachloroethane	6	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Indeno(1,2,3-cd)pyrene		5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	6 UJ
Isophorone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
m-Nitroaniline		20 U	20 U	20 U	20 U	20 U	20 U	20 U	25 U
Naphthalene	130	10	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Nitrobenzene	300	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
N-Nitrosodiphenylamine		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
N-Nitrosodipropylamine		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
o-Cresol	130	9	5 U	5 U	5 U	5 U	5 U	5 U	6 U
o-Nitroaniline		20 U	20 U	20 U	20 U	20 U	20 U	20 U	25 U
o-Nitrophenol		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
p-Chloroaniline		R	R	R	5 U	R	R	R	6 U
p-Chloro-m-cresol		5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Pentachlorophenol	40.50	20 U	20 U	20 U	20 U	20 U	20 U	20 U	25 U
p-Cresol	130	22	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Phenanthrene	50	1 J	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Phenol	10	0.6 J	5 U	5 U	5 U	5 U	5 U	5 U	6 U
p-Nitroaniline		20 U	20 U	20 U	20 U	20 U	20 U	20 U	25 U
p-Nitrophenol		20 U	20 U	20 U	20 U	20 U	20 U	20 U	25 U
Pyrene	46	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U
Sum of Constituents		52.6	0	0	0	0	3	0	0
Metals (ug/l)									
Aluminum	1000	44.5 J	228	209	4440	61.7 J	23.5 J	45.7 J	66.7 J
Antimony		5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Arsenic	1500	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
Barium	40	630	24.1 J	24.5 J	188 J	10.5 J	25.8 J	16.9 J	33.3 J
Beryllium	110	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
Cadmium	20.9	1.8 J	1.2 U	1.2 U	1.6 J	1.2 U	1.2 U	1.2 U	1.2 U
Calcium		606000	207000	213000	183000	299000	145000	71000	227000
Chromium	741.1	1.3 U	1.3 U	1.3 U	19.4	1.3 U	1.3 U	1.3 U	1.3 U
Cobalt	50	1.5 J	2.1 J	2.7 J	5.6 J	8.1 J	1.3 U	1.3 U	12.8 J
Copper	89.6	1.3 U	1.3 U	1.3 U	29.5	1.3 U	1.3 U	1.3 U	1.3 U
Iron	3000	25200	942	862	8550	2050	4080	9250	26.6 J
Lead	37.80	3.3 U	3.3 U	3.3 U	127	3.3 U	3.3 U	3.3 U	3.3 U
Magnesium		335000	129000	132000	118000	84400	126000	55100	228000
Manganese	3000	1300	26.7	26.9	168	83.8	72.4	89.5	22.9
Mercury	0.013	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	520	2 J	3.8 J	3.8 J	10.9 J	11.8 J	1.3 U	1.5 J	25.1 J
Potassium		33700 J	38000 J	39600 J	13700 J	113000 J	7670 J	30900 J	32700 J
Selenium	46	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U
Silver	1	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Sodium		196000	124000	127000	48600	177000	64100	171000	94800
Thallium	80	13.3 UJ	13.3 UJ	13.3 UJ	13.3 UJ	13.3 UJ	13.3 UJ	13.3 UJ	13.3 UJ
Vanadium	140	1.3 U	1.3 U	1.3 U	7.4 J	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	826.3	57	1780	1750	354	3810	569	8.7 J	4030

Notes:
The source of each screening level can be found on Table 1
All screening levels are multiplied by 10 to adjust for ground water to surface water dilution (see text).
Total analysis was performed for the metals.

no qualifier - The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.

U - Non Detect. The compound was analyzed for, but not detected. The associated numerical value is the detection limit. The value is usable as a non-detect at the detection limit.

J - Estimated value. The value was designated as estimated as a result of the data validation criteria. Also used to indicate when an organic compound is present, but the concentration is less than the Contract Required Quantitation Limit (CRQL). The value is usable as an estimated result.

UJ - The compound was analyzed for, but not detected. The associated numerical value is the detection limit. However, due to a QC exceedance the value is an estimated quantity. The value is usable as a non-detect at the estimated detection limit.

R - Rejected. Quality control indicates that the data are unusable (compound may or may not be present). Due to a software limitation the value is displayed, however this value is not to be utilized for any purposes.

Table 3-3
FWIA Surfacewater Screening Analysis for Potential Ecological Impacts
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Constituents	Screening Levels	SW-01 6/29/2005	SW-02 6/29/2005	SW-03 6/29/2005	SW-03 DUP 6/29/2005
Volatiles (ug/l)					
1,1,1-Trichloroethane		1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		1 U	1 U	1 U	1 U
1,1-Dichloroethane	47	1 U	1 U	1 U	1 U
1,1-Dichloroethene		1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U
1,2-Dibromoethane		1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	5	1 U	1 U	1 U	1 U
1,2-Dichloroethane		1 U	1 U	1 U	1 U
1,2-Dichloropropane		1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	5	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	5	1 U	1 U	1 U	1 U
2-Butanone		R	R	R	R
2-Hexanone		R	R	R	R
4-Methyl-2-pentanone		5 U	5 U	5 U	5 U
Acetone		5 UJ	5 UJ	5 UJ	5 UJ
Benzene	10	1 U	1 U	1 U	1 U
Bromodichloromethane		1 U	1 U	1 U	1 U
Bromoform		1 U	1 U	1 U	1 U
Bromomethane		1 UJ	1 UJ	1 UJ	1 UJ
Carbon disulfide		1 U	1 U	1 U	1 U
Carbon tetrachloride		1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U
Chlorobromomethane		1 U	1 U	1 U	1 U
Chloroethane		1 U	1 U	1 U	1 U
Chloroform	124	1 U	1 U	1 U	1 U
Chloromethane		0.2 J	0.2 J	0.2 J	0.3 J
cis-1,2-Dichloroethene	1160	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene		1 U	1 U	1 U	1 U
Dibromochloromethane		1 U	1 U	1 U	1 U
Dibromochloropropane		R	R	R	R
Ethylbenzene	17	1 U	1 U	1 U	1 U
Methylene chloride	200	2 UJ	2 UJ	2 UJ	2 UJ
Styrene		1 U	1 U	1 U	1 U
Tetrachloroethene	1	1 U	1 U	1 U	1 U
Toluene	100	0.1 J	1 U	1 U	0.1 J
trans-1,2-Dichloroethene		1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene		1 U	1 U	1 U	1 U
Trichloroethene	40	1 U	1 U	1 U	1 U
Vinyl chloride		1 U	1 U	1 U	1 U
Xylene (total)	65	1 U	1 U	1 U	1 U
Sum of Constituents		0.3	0.2	0.2	0.4
Semivolatiles (ug/l)					
2,2'-oxybis(1-chloropropane)		5 UX	5 UX	5 UX	5 UX
2,4,5-Trichlorophenol		20 UX	20 UX	20 UX	20 UX
2,4,6-Trichlorophenol		5 UX	5 UX	5 UX	5 UX
2,4-Dichlorophenol	0.3	5 UX	5 UX	5 UX	5 UX
2,4-Dimethylphenol	1,000	5 UX	5 UX	5 UX	5 UX
2,4-Dinitrophenol	400	20 UX	20 UX	20 UX	20 UX
2,4-Dinitrotoluene		5 UX	5 UX	5 UX	5 UX
2,6-Dinitrotoluene		5 UX	5 UX	5 UX	5 UX
2-Chloronaphthalene	10	5 UX	5 UX	5 UX	5 UX
2-Chlorophenol		5 UX	5 UX	5 UX	5 UX
2-Methylnaphthalene	4.7	5 UX	5 UX	5 UX	5 UX
3,3-Dichlorobenzidine		5 UX	5 UX	5 UX	5 UX
4,6-Dinitro-o-cresol		20 UX	20 UX	20 UX	20 UX
4-Bromophenyl phenyl ether		5 UX	5 UX	5 UX	5 UX
4-Chlorophenyl phenyl ether		5 UX	5 UX	5 UX	5 UX
Acenaphthene	5.3	5 UX	5 UX	5 UX	5 UX
Acenaphthylene		5 UX	5 UX	5 UX	5 UX
Anthracene	3.8	5 UX	5 UX	5 UX	5 UX
Benzo(a)anthracene	0.03	5 UX	5 UX	5 UX	5 UX
Benzo(a)pyrene	0.0012	5 UX	5 UX	5 UX	5 UX
Benzo(b)fluoranthene	0.03	5 UX	5 UX	5 UX	5 UX
Benzo(ghi)perylene	0.03	5 UX	5 UX	5 UX	5 UX
Benzo(k)fluoranthene	0.03	5 UX	5 UX	5 UX	5 UX
Bis(2-chloroethoxy)methane		5 UX	5 UX	5 UX	5 UX
Bis(2-chloroethyl)ether		5 UX	5 UX	5 UX	5 UX
Bis(2-ethylhexyl)phthalate (BEHP)	0.6	5 UX	5 UX	5 UX	5 UX
Butyl benzyl phthalate		5 UX	5 UX	5 UX	5 UX
Chrysene		5 UX	5 UX	5 UX	5 UX
Dibenzo(a,h)anthracene		5 UX	5 UX	5 UX	5 UX
Dibenzofuran		5 UX	5 UX	5 UX	5 UX
Diethyl phthalate		5 UX	5 UX	5 UX	5 UX

Table 3-3
FWIA Surfacewater Screening Analysis for Potential Ecological Impacts
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Constituents	Screening Levels	SW-01 6/29/2005	SW-02 6/29/2005	SW-03 6/29/2005	SW-03 DUP 6/29/2005
Dimethyl phthalate		5 UX	5 UX	5 UX	5 UX
Di-n-butyl phthalate		5 UX	5 UX	5 UX	5 UX
Di-n-octyl phthalate		5 UX	5 UX	5 UX	5 UX
Fluoranthene		5 UX	5 UX	5 UX	5 UX
Fluorene	0.54	5 UX	5 UX	5 UX	5 UX
Hexachlorobenzene	0.00003	5 UX	5 UX	5 UX	5 UX
Hexachlorobutadiene	0.01	5 UX	5 UX	5 UX	5 UX
Hexachlorocyclopentadiene	0.45	5 UX	5 UX	5 UX	5 UX
Hexachloroethane	0.6	5 UX	5 UX	5 UX	5 UX
Indeno(1,2,3-cd)pyrene		5 UX	5 UX	5 UX	5 UX
Isophorone		5 UX	5 UX	5 UX	5 UX
m-Nitroaniline		20 UX	20 UX	20 UX	20 UX
Naphthalene	13	5 UX	5 UX	5 UX	5 UX
Nitrobenzene	30	5 UX	5 UX	5 UX	5 UX
N-Nitrosodiphenylamine		5 UX	5 UX	5 UX	5 UX
N-Nitrosodipropylamine		5 UX	5 UX	5 UX	5 UX
o-Cresol	13	5 UX	5 UX	5 UX	5 UX
o-Nitroaniline		20 UX	20 UX	20 UX	20 UX
o-Nitrophenol		5 UX	5 UX	5 UX	5 UX
p-Chloroaniline		5 UX	5 UX	5 UX	5 UX
p-Chloro-m-cresol		5 UX	5 UX	5 UX	5 UX
Pentachlorophenol	4.05	20 UX	20 UX	20 UX	20 UX
p-Cresol	13	5 UX	5 UX	5 UX	5 UX
Phenanthrene	5.0	5 UX	5 UX	5 UX	5 UX
Phenol	1.0	5 UX	5 UX	5 UX	5 UX
p-Nitroaniline		20 UX	20 UX	20 UX	20 UX
p-Nitrophenol		20 UX	20 UX	20 UX	20 UX
Pyrene	4.6	5 UX	5 UX	5 UX	5 UX
Sum of Constituents		0	0	0	0
Metals (ug/l)					
Aluminum	100	337	315	174 J	315
Antimony		5.1 U	5.1 U	5.1 U	5.1 U
Arsenic	150	5.4 U	5.4 U	5.4 U	5.4 U
Barium	4.0	48.4 J	46.4 J	45.7 J	48.5 J
Beryllium	11	0.9 U	0.9 U	0.9 U	0.9 U
Cadmium	2.09	1.2 U	1.2 U	1.2 U	1.2 U
Calcium		76300	73200	72900	76500
Chromium	74.11	1.3 U	1.3 U	1.3 U	1.3 U
Cobalt	5	1.3 U	1.3 U	1.3 U	1.3 U
Copper	8.96	2.6 J	2.4 J	3 J	2.9 J
Iron	300	588	547	294	553
Lead	3.78	3.3 U	3.3 U	3.3 U	3.3 U
Magnesium		16000	15400	15300	16100
Manganese	300	68.8	63.7	65.8	70.6
Mercury	0.0013	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	52.0	1.9 J	1.4 J	1.3 U	1.4 J
Potassium		2730 J	2590 J	2540 J	2740 J
Selenium	4.6	6.7 U	6.7 U	6.7 U	6.7 U
Silver	0.1	1.1 U	1.1 U	1.1 U	1.1 U
Sodium		32100	30900	30800	32300
Thallium	8	R	R	R	R
Vanadium	14	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	82.6	6.6 J	6.2 J	6.3 J	21.2 J

Notes:
The source of each screening level can be found on Table 1
Total analysis was performed for the metals.

no qualifier - The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.

U - Non Detect. The compound was analyzed for, but not detected. The associated numerical value is the detection limit. The value is usable as a non-detect at the detection limit.

J - Estimated value. The value was designated as estimated as a result of the data validation criteria. Also used to indicate when an organic compound is present, but the concentration is less than the Contract Required Quantitation Limit (CRQL). The value is

UJ - The compound was analyzed for, but not detected. The associated numerical value is the detection limit. However, due to a QC exceedance the value is an estimated quantity. The value is usable as a non-detect at the estimated detection limit.

UX - The compound was analyzed for, but not detected. The associated numerical value is the detection limit. Due to an extraction holding time issue the data validator rejected all non-detections, however we feel the value is usable as a non-detect at the estimated detection

R - Rejected. Quality control indicates that the data are unusable (compound may or may not be present). Due to a software limitation the value is displayed, however this value is not to be utilized for any purposes.

Table 4-1
Operating Data from SVE Pilot Test
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Operating Conditions

11/30/06

Condition (dilution valve % open) ⇒	100%	100%	100%	75%	50%	50%
Time ⇒	9:10 AM	9:15 AM	9:45 AM	9:55 AM	10:15 AM	10:25 AM
Operating hours ⇒	0.00	0.08	0.58	0.75	1.08	1.25
Applied vacuum at wellhead (in. Hg) ⇒	No data	3.5	3.5	4.5	5	4.5
Vacuum before moisture separator (in. Hg) ⇒	No data	3.5	3.5	4.5	5	4.5
Vacuum after moisture separator (in. w.c.) ⇒	No data	37	34	44	54	48
Vacuum after filter (in. w.c.) ⇒	No data	47	44	52	62	57
Pressure - carbon inlet (in. w.c.) ⇒	No data	0	0	0	0	0
Pressure - carbon intermediate (in. w.c.) ⇒	No data	0	0	0	0	0
Pressure - carbon outlet (in. w.c.) ⇒	No data	0	0	0	0	0
Velocity (sfpm) ⇒	No data	1150	1080	785	170	137
Flow (scfm) ⇒	No data	99	101	71.5	15.2	13.5
PID - from well before dilution (ppmv) ⇒	No data	No data	No data	No data	No data	No data
PID - carbon inlet (ppmv) ⇒	No data	36.2	58.2	99.3	160	168
PID - carbon intermediate (ppmv) ⇒	No data	0	0	0	0	0
PID - carbon outlet (ppmv) ⇒	No data	0	0	0	0	0
Blower outlet temperature (deg F) ⇒	No data	65.3	66.2	69	71.8	70
Blower outlet % LEL ⇒	No data	7%	7%	12%	73%	87%
Blower outlet % O_2 ⇒	No data	20.8%	20.7%	20.8%	19.9%	19.2%

Vacuum Response Testing

Location	Distance from extraction well SB-42 (ft)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)
SB-41S	12	0.00	0.00	0.00	0.085	0.05	0.00
SB-41D	12	0.00	0.00	0.00	0.00	0.00	0.00
SB-43S	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-43D	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-44S	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-44D	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-45S	55	0.00	0.00	0.00	0.00	0.00	0.00
SB-45D	55	0.00	0.00	0.00	0.00	0.00	0.00
		DTW (ft)					DTW (ft)
MW-1D		17.48					17.48
MW-10D		50.29					50.29
SB-42		11.67					

Table 4-1
Operating Data from SVE Pilot Test
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Operating Conditions

11/30/06

Condition (dilution valve % open) ⇒	50%	50%	Offline	75%	75%	75%
Time ⇒	10:35 AM	10:45 AM	10:50 AM	12:00 PM	12:15 PM	12:30 PM
Operating hours ⇒	1.42	1.58	1.67	1.67	1.92	2.17
Applied vacuum at wellhead (in. Hg) ⇒	4.5	4.5		4.0	4.5	4.5
Vacuum before moisture separator (in. Hg) ⇒	4.5	4.5		4.0	4.5	4.5
Vacuum after moisture separator (in. w.c.) ⇒	48	48		44	47	46
Vacuum after filter (in. w.c.) ⇒	56	56		54	56	56
Pressure - carbon inlet (in. w.c.) ⇒	0	0		0	0	0
Pressure - carbon intermediate (in. w.c.) ⇒	0	0		0	0	0
Pressure - carbon outlet (in. w.c.) ⇒	0	0		0	0	0
Velocity (sfpm) ⇒	149	118		690	399	421
Flow (scfm) ⇒	9.15	10.7		67	35.6	37.1
PID - from well before dilution (ppmv) ⇒	No data	No data	No data	No data	No data	No data
PID - carbon inlet (ppmv) ⇒	176	184		124	126	114
PID - carbon intermediate (ppmv) ⇒	0	0		0	1.5	2.3
PID - carbon outlet (ppmv) ⇒	0	0		0	0	0
Blower outlet temperature (deg F) ⇒	72.1	69.9		71	71.4	73.3
Blower outlet % LEL ⇒	69%	> 100%		11%	13%	14%
Blower outlet % O_2 ⇒	18.6%	16.8%		20.4%	20.1%	20.1%

Vacuum Response Testing

Location	Distance from extraction well SB-42 (ft)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)
SB-41S	12	0.00	0.00	0.00	0.00	0.00	0.00
SB-41D	12	0.00	0.00	0.00	0.00	0.00	0.00
SB-43S	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-43D	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-44S	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-44D	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-45S	55	0.00	0.00	0.00	0.00	0.00	0.00
SB-45D	55	0.00	0.00	0.00	0.00	0.00	0.00
MW-1D							
MW-10D							
SB-42							

Table 4-1
Operating Data from SVE Pilot Test
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Operating Conditions 11/30/06

Condition (dilution valve % open) ⇒	75%	75%	75%	75%	70%	70%
Time ⇒	12:45 PM	1:00 PM	1:15 PM	1:30 PM	1:50 PM	2:00 PM
Operating hours ⇒	2.42	2.67	2.92	3.17	3.50	3.67
Applied vacuum at wellhead (in. Hg) ⇒	4.0	4.0	4.0	4.0	4.5	4.5
Vacuum before moisture separator (in. Hg) ⇒	4.0	4.0	4.0	4.0	4.5	4.5
Vacuum after moisture separator (in. w.c.) ⇒	42	44	44	44	48	46
Vacuum after filter (in. w.c.) ⇒	52	53	54	54	58	56
Pressure - carbon inlet (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon intermediate (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon outlet (in. w.c.) ⇒	0	0	0	0	0	0
Velocity (sfpm) ⇒	535	550	555	615	320	273
Flow (scfm) ⇒	47.3	50	55.5	56.5	30.3	28
PID - from well before dilution (ppmv) ⇒	No data	No data	No data	No data	No data	No data
PID - carbon inlet (ppmv) ⇒	73.5	79.3	78.8	79.2	117	117
PID - carbon intermediate (ppmv) ⇒	1.9	1.2	0.5	0.5	0.1	0.1
PID - carbon outlet (ppmv) ⇒	1.5	2.5	1.7	1.1	0.5	0.3
Blower outlet temperature (deg F) ⇒	71.9	75.7	74.1	76	76.4	72.4
Blower outlet % LEL ⇒	6%	5%	3%	4%	11%	10%
Blower outlet % O_2 ⇒	20.5%	20.5%	20.6%	20.5%	20.0%	20.1%

Vacuum Response Testing

Location	Distance from extraction well SB-42 (ft)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)
SB-41S	12	0.00	0.00	0.00	0.00	0.00	0.00
SB-41D	12	0.00	0.00	0.00	0.00	0.00	0.00
SB-43S	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-43D	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-44S	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-44D	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-45S	55	0.00	0.00	0.00	0.00	0.00	0.00
SB-45D	55	0.00	0.00	0.00	0.00	0.00	0.00
					DTW (ft)		
MW-1D					17.72		
MW-10D					50.19		
SB-42							

Table 4-1
Operating Data from SVE Pilot Test
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Operating Conditions

	11/30/06					
Condition (dilution valve % open) ⇒	60%	60%	60%	60%	60%	60%
Time ⇒	2:15 PM	2:30 PM	3:00 PM	3:15 PM	3:30 PM	3:45 PM
Operating hours ⇒	3.92	4.17	4.67	4.92	5.17	5.42
Applied vacuum at wellhead (in. Hg) ⇒	4.5	4.5	4.5	4.5	4.5	4.5
Vacuum before moisture separator (in. Hg) ⇒	4.5	4.5	4.5	4.5	4.5	4.5
Vacuum after moisture separator (in. w.c.) ⇒	50	48	46	46	46	46
Vacuum after filter (in. w.c.) ⇒	59	57	56	56	56	56
Pressure - carbon inlet (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon intermediate (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon outlet (in. w.c.) ⇒	0	0	0	0	0	0
Velocity (sfpm) ⇒	114	112	98	107	122	92
Flow (scfm) ⇒	13.5	10.6	8.2	6.75	10.5	8.1
PID - from well before dilution (ppmv) ⇒	No data	No data	No data	No data	No data	No data
PID - carbon inlet (ppmv) ⇒	182	232	252	249	260	267
PID - carbon intermediate (ppmv) ⇒	0	0	0	0	0	0
PID - carbon outlet (ppmv) ⇒	0.1	0	0	0	0	0
Blower outlet temperature (deg F) ⇒	72.3	72.6	70.4	70.8	67.8	68.3
Blower outlet % LEL ⇒	18%	55%	79%	85%	78%	59%
Blower outlet % O_2 ⇒	19.6%	17.6%	16.2%	16.0%	16.2%	16.9%

Vacuum Response Testing

Location	Distance from extraction well SB-42 (ft)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)
SB-41S	12	0.00	0.00	0.00	0.00	0.00	0.00
SB-41D	12	0.00	0.00	0.00	0.00	0.00	0.00
SB-43S	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-43D	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-44S	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-44D	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-45S	55	0.00	0.00	0.00	0.00	0.00	0.00
SB-45D	55	0.00	0.00	0.00	0.00	0.00	0.00
							DTW (ft)
MW-1D							17.72
MW-10D							50.19
SB-42							

Table 4-1
Operating Data from SVE Pilot Test
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Operating Conditions

	11/30/06	12/1/06				
Condition (dilution valve % open) ⇒	60%	60%	60%	60%	60%	60%
Time ⇒	4:00 PM	7:30 AM	7:45 AM	8:00 AM	8:15 AM	8:30 AM
Operating hours ⇒	5.67	5.67	5.92	6.17	6.42	6.67
Applied vacuum at wellhead (in. Hg) ⇒	4.5	5.0	4.5	4.5	4.5	4.5
Vacuum before moisture separator (in. Hg) ⇒	4.5	5.0	4.5	4.5	4.5	4.5
Vacuum after moisture separator (in. w.c.) ⇒	46	52	51	52	50	49
Vacuum after filter (in. w.c.) ⇒	56	12	13	8	8	8
Pressure - carbon inlet (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon intermediate (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon outlet (in. w.c.) ⇒	0	0	0	0	0	0
Velocity (sfpm) ⇒	75	402	238	220	200	188
Flow (scfm) ⇒	6.9	35	21.8	17.4	16.9	16.6
PID - from well before dilution (ppmv) ⇒	No data	No data	No data	No data	No data	No data
PID - carbon inlet (ppmv) ⇒	267	206	206	248	262	256
PID - carbon intermediate (ppmv) ⇒	0	0	0	0	0	0
PID - carbon outlet (ppmv) ⇒	0	0	0	0	0	0
Blower outlet temperature (deg F) ⇒	66.8	41.4	42.4	41.1	45.8	45.9
Blower outlet % LEL ⇒	87%	3%	8%	42%	24%	24%
Blower outlet % O_2 ⇒	15.3%	20.9%	20.8%	19.1%	19.6%	19.5%

Vacuum Response Testing

Location	Distance from extraction well SB-42 (ft)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)
SB-41S	12	No data	0.44	0.45	0.56	0.58	0.64
SB-41D	12	No data	0.40	0.00	0.00	0.00	0.00
SB-43S	25	No data	0.015	0.03	0.20	0.015	0.015
SB-43D	25	No data	0.00	0.00	0.00	0.00	0.00
SB-44S	40	No data	0.00	0.00	0.00	0.00	0.00
SB-44D	40	No data	0.00	0.00	0.00	0.00	0.00
SB-45S	55	No data	0.00	0.00	0.00	0.00	0.00
SB-45D	55	No data	0.00	0.00	0.00	0.00	0.00
							DTW (ft)
MW-1D							17.76
MW-10D							49.16
SB-42							

Table 4-1
Operating Data from SVE Pilot Test
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Operating Conditions

Condition (dilution valve % open) ⇒	60%	100%	100%	100%	75%	75%
Time ⇒	8:45 AM	9:00 AM	9:10 AM	9:20 AM	9:30 AM	9:40 AM
Operating hours ⇒	6.92	7.17	7.33	7.50	7.67	7.83
Applied vacuum at wellhead (in. Hg) ⇒	4.5	2.0	2.0	2.0	3.5	3.5
Vacuum before moisture separator (in. Hg) ⇒	4.5	2.0	2.0	2.0	3.5	3.5
Vacuum after moisture separator (in. w.c.) ⇒	49	14	15	14	38	36
Vacuum after filter (in. w.c.) ⇒	8	8	8	8	8	8
Pressure - carbon inlet (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon intermediate (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon outlet (in. w.c.) ⇒	0	0	0	0	0	0
Velocity (sfpm) ⇒	96	1580	1520	1510	1030	1040
Flow (scfm) ⇒	11	138	137	144	97.5	97
PID - from well before dilution (ppmv) ⇒	No data	No data	No data	No data	No data	No data
PID - carbon inlet (ppmv) ⇒	229	63.8	21.1	11.3	9.3	5
PID - carbon intermediate (ppmv) ⇒	0	4.0	1.3	0.9	1.3	0.4
PID - carbon outlet (ppmv) ⇒	0	0.8	2.4	2.9	3.2	1.2
Blower outlet temperature (deg F) ⇒	43.7	41.6	47.8	46..2	46.2	45.7
Blower outlet % LEL ⇒	33%	0%	1%	1%	1%	0%
Blower outlet % O_2 ⇒	19.2%	20.7%	20.8%	20.8%	20.8%	20.7%

Vacuum Response Testing

Location	Distance from extraction well SB-42 (ft)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)
SB-41S	12	0.66	0.00	0.00	0.00	0.00	0.015
SB-41D	12	0.00	0.00	0.00	0.00	0.00	0.00
SB-43S	25	0.015	0.00	0.00	0.00	0.00	0.00
SB-43D	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-44S	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-44D	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-45S	55	0.00	0.00	0.00	0.00	0.00	0.00
SB-45D	55	0.00	0.00	0.00	0.00	0.00	0.00
MW-1D							
MW-10D							
SB-42							

Table 4-1
Operating Data from SVE Pilot Test
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Operating Conditions

Condition (dilution valve % open) ⇒	50%	50%	25%	25%	0%	0%
Time ⇒	9:50 AM	10:00 AM	10:10 AM	10:20 AM	10:30 AM	10:40 AM
Operating hours ⇒	8.00	8.17	8.33	8.50	8.67	8.83
Applied vacuum at wellhead (in. Hg) ⇒	4.5	4.5	4.5	4.5	4.5	4.5
Vacuum before moisture separator (in. Hg) ⇒	4.5	4.5	4.5	4.5	4.5	4.5
Vacuum after moisture separator (in. w.c.) ⇒	49	48	52	49	48	48
Vacuum after filter (in. w.c.) ⇒	8	56	59	57	56	54
Pressure - carbon inlet (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon intermediate (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon outlet (in. w.c.) ⇒	0	0	0	0	0	0
Velocity (sfpm) ⇒	360	393	134	158	96	90
Flow (scfm) ⇒	30.6	35.5	12.8	23.8	7.4	7.05
PID - from well before dilution (ppmv) ⇒	No data	No data	No data	No data	No data	No data
PID - carbon inlet (ppmv) ⇒	5.3	4.8	5.1	7.0	18.2	26.9
PID - carbon intermediate (ppmv) ⇒	0.2	0.1	0.4	0.2	0.4	0.2
PID - carbon outlet (ppmv) ⇒	1.2	1	1	0.8	0.5	0.8
Blower outlet temperature (deg F) ⇒	47.8	50.6	51.8	48.5	49.6	53.9
Blower outlet % LEL ⇒	0%	0%	0%	0%	1%	5%
Blower outlet % O_2 ⇒	20.7%	20.7%	20.7%	20.7%	20.5%	20.3%

Vacuum Response Testing

Location	Distance from extraction well SB-42 (ft	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)
SB-41S	12	0.015	0.015	0.01	0.01	0.00	0.05
SB-41D	12	0.00	0.00	0.00	0.00	0.00	0.00
SB-43S	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-43D	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-44S	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-44D	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-45S	55	0.00	0.00	0.00	0.00	0.00	0.00
SB-45D	55	0.00	0.00	0.00	0.00	0.00	0.00
		DTW (ft)					
MW-1D		17.57					
MW-10D		Submerged					
SB-42							

Table 4-1
Operating Data from SVE Pilot Test
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Operating Conditions

Condition (dilution valve % open) ⇒	0%	0%	0%	0%	0%	0%
Time ⇒	10:50 AM	11:00 AM	11:10 AM	11:20 AM	11:40 AM	12:00 PM
Operating hours ⇒	9.00	9.17	9.33	9.50	9.83	10.17
Applied vacuum at wellhead (in. Hg) ⇒	4.5	4.5	4.5	4.5	4.5	4.5
Vacuum before moisture separator (in. Hg) ⇒	4.5	4.5	4.5	4.5	4.5	4.5
Vacuum after moisture separator (in. w.c.) ⇒	48	46	46	45	45	46
Vacuum after filter (in. w.c.) ⇒	54	54	54	53	50	52
Pressure - carbon inlet (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon intermediate (in. w.c.) ⇒	0	0	0	0	0	0
Pressure - carbon outlet (in. w.c.) ⇒	0	0	0	0	0	0
Velocity (sfpm) ⇒	79	81	84	75	82	88
Flow (scfm) ⇒	6.8	7.75	6.2	5.6	6.3	7.25
PID - from well before dilution (ppmv) ⇒	No data	No data	No data	No data	No data	No data
PID - carbon inlet (ppmv) ⇒	37.9	58.2	74.5	84.2	106	114
PID - carbon intermediate (ppmv) ⇒	0.3	0	0	0	0	0
PID - carbon outlet (ppmv) ⇒	0.7	0.5	0.6	0.5	0.5	0.3
Blower outlet temperature (deg F) ⇒	47.6	50.7	49.3	47.3	45.2	47.1
Blower outlet % LEL ⇒	5%	15%	15%	21%	25%	23%
Blower outlet % O_2 ⇒	20.2%	19.7%	19.7%	19.5%	19.2%	19.2%

Vacuum Response Testing

Location	Distance from extraction well SB-42 (ft)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)
SB-41S	12	0.06	0.02	0.055	0.00	0.04	0.45
SB-41D	12	0.00	0.00	0.00	0.00	0.00	0.00
SB-43S	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-43D	25	0.00	0.00	0.00	0.00	0.00	0.00
SB-44S	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-44D	40	0.00	0.00	0.00	0.00	0.00	0.00
SB-45S	55	0.00	0.00	0.00	0.00	0.00	0.00
SB-45D	55	0.00	0.00	0.00	0.00	0.00	0.00
MW-1D							
MW-10D							
SB-42							

Table 4-1
Operating Data from SVE Pilot Test
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Operating Conditions

Condition (dilution valve % open) ⇒	0%	0%	0%	Offline
Time ⇒	12:30 PM	1:00 PM	1:30 PM	3:00 PM
Operating hours ⇒	10.67	11.17	11.67	13.17
Applied vacuum at wellhead (in. Hg) ⇒	4.5	4.5	4.5	
Vacuum before moisture separator (in. Hg) ⇒	4.5	4.5	4.5	
Vacuum after moisture separator (in. w.c.) ⇒	46	46	46	
Vacuum after filter (in. w.c.) ⇒	52	52	52	
Pressure - carbon inlet (in. w.c.) ⇒	0	0	0	
Pressure - carbon intermediate (in. w.c.) ⇒	0	0	0	
Pressure - carbon outlet (in. w.c.) ⇒	0	0	0	
Velocity (sfpm) ⇒	82	76	85	
Flow (scfm) ⇒	7.25	7.35	7.85	
PID - from well before dilution (ppmv) ⇒	No data	No data	No data	
PID - carbon inlet (ppmv) ⇒	126	127	127	
PID - carbon intermediate (ppmv) ⇒	0	0	0	
PID - carbon outlet (ppmv) ⇒	0	0	0	
Blower outlet temperature (deg F) ⇒	48.3	53.2	54.6	
Blower outlet % LEL ⇒	22%	24%	29%	
Blower outlet % O_2 ⇒	19.2%	19.0%	18.9%	

Vacuum Response Testing

Location	Distance from extraction well SB-42 (ft)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)	Observed vacuum (in. w.c.)
SB-41S	12	0.075	0.075	0.07	Offline
SB-41D	12	0.00	0.00	0.00	
SB-43S	25	0.00	0.00	0.00	
SB-43D	25	0.00	0.00	0.00	
SB-44S	40	0.00	0.00	0.00	
SB-44D	40	0.00	0.00	0.00	
SB-45S	55	0.00	0.00	0.00	
SB-45D	55	0.00	0.00	0.00	
MW-1D					
MW-10D					
SB-42					

Table 4-2
Summary of Pilot Test Air Sampling Results - Preliminary
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

CONSTITUENT (ug/m3)	SVE-INF 0612086-01 12/1/2006	SVE-EFF 0612086-02 12/1/2006
1,1,1-Trichloroethane	14000	4.9 U
1,1,2,2-Tetrachloroethane	3200 U	6.1 U
1,1,2-Trichloroethane	2500 U	4.9 U
1,1-Dichloroethane	15000	3.6 U
1,1-Dichloroethene	1800 U	3.5 U
1,2,4-Trichlorobenzene	14000 U	26 U
1,2,4-Trimethylbenzene	2300 U	4.4 U
1,2-Dibromoethane	3600 U	6.9 U
1,2-Dichlorobenzene	2800 U	5.4 U
1,2-Dichloroethane	1900 U	3.6 U
1,2-Dichloropropane	2200 U	4.1 U
1,3,5-Trimethylbenzene	2300 U	4.4 U
1,3-Butadiene	1000 U	2 U
1,3-Dichlorobenzene	2800 U	5.4 U
1,4-Dichlorobenzene	2800 U	5.4 U
1,4-Dioxane	6700 U	13 U
2-Butanone	1400 U	2.6 U
2-Hexanone	7600 U	15 U
4-Ethyltoluene	2600	4.4 U
4-Methyl-2-Pentanone	1900 U	3.7 U
Acetone	4400 U	8.5 U
Allyl chloride	5800 U	11 U
Benzene	1500 U	2.8 U
Benzyl chloride	2400 U	4.6 U
Bromodichloromethane	3100 U	6 U
Bromoform	4800 U	9.2 U
Bromomethane	1800 U	3.5 U
Carbon Disulfide	1400 U	2.8 U
Carbon Tetrachloride	2900 U	5.6 U
Chlorobenzene	2100 U	4.1 U
Chloroethane	23000	2.4 U
Chloroform	2300 U	4.4 U
Chloromethane	3800 U	7.4 U
cis-1,2-Dichloroethene	28000	3.5 U
cis-1,3-Dichloropropene	2100 U	4.1 U
Cyclohexane	5300	3.1 U
Dibromochloromethane	4000 U	7.6 U
Dichlorodifluoromethane	2300 U	4.4 U
Ethanol	3500 U	6.7 U
Ethylbenzene	16000	3.9 U
Freon 113	3600 U	6.8 U
Freon 114	3300 U	6.2 U
Heptane	21000	3.7 U
Hexachlorobutadiene	20000 U	38 U
Hexane	19000	3.2 U
Isooctane	2200 U	4.2 U
Isopropyl Alcohol	4600 U	8.8 U
Isopropylbenzene	2300 U	4.4 U
m+p-Xylene	60000	3.9 U
Methyl Tertiary Butyl Ether	1700 U	3.2 U
Methylene Chloride	2600	3.1 U
n-Propylbenzene	2300 U	4.4 U
o-Xylene	15000	3.9 U
Styrene	2000 U	3.8 U
Tetrachloroethene	3200 U	6.1 U
Tetrahydrofuran	1400 U	2.6 U
Toluene	460000	3.4 U
trans-1,2-Dichloroethene	1800 U	3.5 U
trans-1,3-Dichloropropene	2100 U	4.1 U
Trichloroethene	2500 U	4.8 U
Trichlorofluoromethane	2600 U	5 U
Vinyl chloride	98000	2.3 U
Total VOCs	779500	0

Table 4-3
Estimate of Carbon Use Rates
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Pilot Test Air Flow = 8.0 scfm

Parameter	Inlet Conc. (ppmv)	Mass Loading (lb/hr)	Mass Loading (lb/day)	Partial Pressure (psia)	Estimated Carbon Capacity (%)	Estimated Carbon Use (lb GAC/day)
Vinyl chloride	38.0	3.00E-03	7.21E-02	0.000559	1.3000	5.54
cis-1,2-Dichloroethene	7.0	8.58E-04	2.06E-02	0.0001029	8.000	0.26
Chloroethane	8.7	7.10E-04	1.70E-02	0.000128	1.40	1.22
Methylene chloride	0.76	8.16E-05	1.96E-03	0.000011	0.30	0.65
Hexane and cyclohexane	7.0	7.63E-04	1.83E-02	0.000103	11.00	0.17
1,1-Dichloroethane	3.7	4.63E-04	1.11E-02	0.000054	10.00	0.11
1,1,1-Trichloroethane	2.5	4.22E-04	1.01E-02	0.000037	25.00	0.04
Heptane	5.0	6.34E-04	1.52E-02	0.000074	16.00	0.10
Ethylbenzene	3.80	5.10E-04	1.22E-02	0.000056	25.00	0.05
Xylenes	17.5	2.35E-03	5.64E-02	0.000257	30.00	0.19
4-Ethyltoluene	0.52	7.90E-05	1.90E-03	0.000008	15.00	0.01
Toluene	120	1.40E-02	3.36E-01	0.001764	32.00	1.05
Total	214	0.024	0.573			

Carbon Use (lb GAC/day) = 9.38
Total GAC Mass (lb) = 200
Time Before Breakthrough (day) = 21.3

Air Flow = 50 scfm

Parameter	Inlet Conc. (ppmv)	Mass Loading (lb/hr)	Mass Loading (lb/day)	Partial Pressure (psia)	Estimated Carbon Capacity (%)	Estimated Carbon Use (lb GAC/day)
Vinyl chloride	38.0	1.88E-02	4.51E-01	0.000559	1.3000	34.66
cis-1,2-Dichloroethene	7.0	5.36E-03	1.29E-01	0.0001029	8.000	1.61
Chloroethane	8.7	4.44E-03	1.06E-01	0.000128	1.40	7.61
Methylene chloride	0.76	5.10E-04	1.22E-02	0.000011	0.30	4.08
Hexane and cyclohexane	7.0	4.77E-03	1.14E-01	0.000103	11.00	1.04
1,1-Dichloroethane	3.7	2.89E-03	6.94E-02	0.000054	10.00	0.69
1,1,1-Trichloroethane	2.5	2.64E-03	6.32E-02	0.000037	25.00	0.25
Heptane	5.0	3.96E-03	9.50E-02	0.000074	16.00	0.59
Ethylbenzene	3.80	3.19E-03	7.65E-02	0.000056	25.00	0.31
Xylenes	17.5	1.47E-02	3.52E-01	0.000257	30.00	1.17
4-Ethyltoluene	0.52	4.94E-04	1.19E-02	0.000008	15.00	0.08
Toluene	120	8.74E-02	2.10E+00	0.001764	32.00	6.56
Total	214	0.149	3.579			

Carbon Use (lb GAC/day) = 58.65
Total GAC Mass (lb) = 2000
Time Before Breakthrough (day) = 34.1

Inlet concentration is based on results from 12/1/06 analysis.

Table 4-4
Air Emissions Evaluation for Extracted Soil Vapor
Former Raeco Products Site, Rochester, New York
Site No. 8-28-107

Parameter		Molecular Weight	Max. Conc.		Maximum Annual Impact			Maximum Short-Term Impact		
			ppmv	lb./hr.	Conc. ug/m3	AGC ug/m3	Exceedance (Y or N)	Conc. ug/m3	SGC ug/m3	Exceedance (Y or N)
Air flow rate, scfm	16.7									
Annual hours of operation	8760									
Emission Stack Height, ft.	35									
VOCs:										
Vinyl chloride		62.5	38.0	0.006	1.11E-01	1.10E-01	Y	7.19E+00	1.80E+05	N
cis-1,2-Dichloroethene		96.9	7.0	0.002	3.16E-02	1.90E+03	N	2.05E+00	None	N
Chloroethane		64.5	8.7	0.001	2.61E-02	1.00E+04	N	1.70E+00	None	N
Methylene chloride		84.9	0.76	0.000	3.01E-03	2.10E+00	N	1.95E-01	14000	N
Hexane and cyclohexane		86.2	7.0	0.002	2.81E-02	2.00E+02	N	1.83E+00	None	N
1,1-Dichloroethane		98.9	3.7	0.001	1.70E-02	6.30E-01	N	1.11E+00	None	N
1,1,1-Trichloroethane		133.4	2.5	0.001	1.55E-02	None	N	1.01E+00	None	N
Heptane		100.2	5.0	0.001	2.33E-02	3.90E+03	N	1.52E+00	210000	N
Ethylbenzene		106.2	3.8	0.001	1.88E-02	1.00E+03	N	1.22E+00	54000	N
Xylenes		106.2	17.5	0.005	8.65E-02	1.00E+02	N	5.62E+00	4300	N
4-Ethyltoluene		120.2	0.52	0.000	2.91E-03	None	N	1.89E-01	None	N
Toluene		92.2	120	0.029	5.15E-01	4.00E+02	N	3.35E+01	37000	N
Total VOCs			214.5	4.98E-02						

Notes:
As per New York State Division of Air Resources (DAR) 1 Point Source Method:
Maximum annual concentration calculated as follows: C = (52,500) * (Mass (lbs./hr.))/(Stack Height (ft.)^2.25)
Maximum short-term concentration calculated as follows: C = (65) * (maximum annual concentration)
AGC = Annual Guideline Concentration; SGC = Short-Term Guideline Concentration
AGC and SGC are obtained from DAR-1

Table 2-2
Summary of Air Sampling Analytical Results
Former Raeco Products Site, Rochester, New York
NYSDEC Site Number 8-28-107

Notes:

- Bold faced type indicates a detection of the compound.
- Highlighted cells indicates an exceedance of the current NYSDOH guidance value for the compound.
- NA = Not Available
- NYSDOH Air Guideline Values = Table 3.1 Air guideline values derived by the NYSDOH. New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006
- Results are reported in micrograms per cubic meter (mcg/m3)

Qualifiers

no qualifier	The compound was positively identified at the associated numerical value which is the concentration of the compound in the sample.
J	The value was designated as estimated as a result of the data validation criteria. Also used to indicate tentatively identified compounds (TICs) or when an organic compound is present, but the concentration is less than the Contract Required Quantitation Limit (CRQL). The value is usable as an estimated result.= Estimated value; results may be biased
ND	Compound was analyzed for, but not detected above the laboratory reporting limit

Table 2-4
Summary of Soil Sample Analytical Results - Volatile Organic Compounds
Former Raeco Products Site, Rochester, New York
NYSDEC Site Number 8-28-107

Notes:

- µg/kg = micrograms per kilogram (parts per billion; ppb).
- Total VOCs = Total Volatile Organic Compounds.
- Total VOC TICs = Total Volatile Organic Compound Tentatively Identified Compounds.
- NYSDEC Part 375 Unrestricted SCO = Final Unrestricted Use Soil Cleanup Objectives (SCOs) as Presented in 6 NYCRR Part 375-6.8(a) Table 11-1.
- Shaded and bracketed values indicate an exceedance of NYSDEC Part 375 Unrestricted SCO.
- NYSDEC Part 375 Restricted SCO Comm & Prot GW = A combination of the Final Restricted Use SCOs as Presented in 6 NYCRR Part 375-6.8(b) Table 11-2, Protection of Public Health - Commercial and Protection of Groundwater. Presented as a reference only.
- NYSDEC TAGM 4046 RSCOs = Recommended Soil Cleanup Objectives as identified in New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum (TAGM) No. 4046. Presented as a reference only.
- All samples analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) using "*United State Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) Statement of Work (SOW) for Organics Analysis Multi-Media, Multi-Concentration, OLM04.2 (May 1999)*".

Qualifiers

no qualifier	The compound was positively identified at the associated numerical value which is the concentration of the compound in the sample.
U	Non Detect. The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is usable as a non-detect at the quantitation limit.
J	Estimated value. The value was designated as estimated as a result of the data validation criteria. Also used to indicate tentatively identified compounds (TICs) or when an organic compound is present, but the concentration is less than the Contract Required Quantitation Limit (CRQL). The value is usable as an estimated result.
UJ	The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is an estimated quantity due to a QC exceedance. The value is usable as a non-detect at the estimated quantitation limit.

R	Rejected. Quality control indicates that the data are unusable (compound may or may not be present).

Table 2-5
Summary of Soil Sample Analytical Results - Semivolatile Organic Compounds
Former Raeco Products Site, Rochester, New York
NYSDEC Site Number 8-28-107

Notes:

- µg/kg = micrograms per kilogram (parts per billion; ppb).
- Total SVOCs = Total Semivolatile Organic Compounds.
- Total SVOC TICs = Total Semivolatile Organic Compound Tentatively Identified Compounds.
- NYSDEC Part 375 Unrestricted SCO = Final Unrestricted Use Soil Cleanup Objectives (SCOs) as Presented in 6 NYCRR Part 375-6.8(a) Table 11-1.
- Shaded and bracketed values indicate an exceedance of NYSDEC Part 375 Unrestricted SCO.
- NYSDEC Part 375 Restricted SCO Comm & Prot GW = A combination of the Final Restricted Use SCOs as Presented in 6 NYCRR Part 375-6.8(b) Table 11-2, Protection of Public Health - Commercial and Protection of Groundwater. Presented as a reference only.
- NYSDEC TAGM 4046 RSCOs = Recommended Soil Cleanup Objectives as identified in New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum (TAGM) No. 4046. Presented as a reference only.
- All samples analyzed for Target Compound List (TCL) Semivolatile Organic Compounds (SVOCs) using "*United State Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) Statement of Work (SOW) for Organics Analysis Multi-Media, Multi-Concentration, OLM04.2 (May 1999)*".

Qualifiers

no qualifier	The compound was positively identified at the associated numerical value which is the concentration of the compound in the sample.
U	Non Detect. The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is usable as a non-detect at the quantitation limit.
J	Estimated value. The value was designated as estimated as a result of the data validation criteria. Also used to indicate tentatively identified compounds (TICs) or when an organic compound is present, but the concentration is less than the Contract Required Quantitation Limit (CRQL). The value is usable as an estimated result.
UJ	The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is an estimated quantity due to a QC exceedance. The value is usable as a non-detect at the estimated quantitation limit.

R	Rejected. Quality control indicates that the data are unusable (compound may or may not be present).

Table 2-6
Summary of Soil Sample Analytical Results - Metals
Former Raeco Products Site, Rochester, New York
NYSDEC Site Number 8-28-107

Notes:

- mg/kg = milligrams per kilogram (parts per million; ppm).
- NYSDEC Part 375 Unrestricted SCO = Final Unrestricted Use Soil Cleanup Objectives (SCOs) as Presented in 6 NYCRR Part 375-6.8(a) Table 11-1.
- Shaded and bracketed values indicate an exceedance of NYSDEC Part 375 Unrestricted SCO.
- NYSDEC Part 375 Restricted SCO Comm & Prot GW = A combination of the Final Restricted Use SCOs as Presented in 6 NYCRR Part 375-6.8(b) Table 11-2, Protection of Public Health - Commercial and Protection of Groundwater. Presented as a reference only.
- NYSDEC TAGM 4046 RSCOs = Recommended Soil Cleanup Objectives as identified in New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum (TAGM) No. 4046. Presented as a reference only.
- All samples analyzed for Target Analyte List (TAL) Metals using "*United State Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) Statement of Work (SOW) for Inorganics Analysis Multi-Media, Multi-Concentration, ILM04.2*".

Qualifiers

no qualifier	The analyte was positively identified at the associated numerical value which is the concentration of the compound in the sample.
U	Non Detect. The analyte was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is usable as a non-detect at the quantitation limit.
J	Estimated value. The value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.
UJ	The analyte was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is an estimated quantity due to a QC exceedance. The value is usable as a non-detect at the estimated quantitation limit.
R	Rejected. Quality control indicates that the data are unusable (analyte may or may not be present).

Table 2-7
Summary of Groundwater and LNAPL Sample Analytical Results - Volatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Notes:

- µg /l = micrograms per liter (parts per billion; ppb).
- µg/kg = micrograms per kilogram (parts per billion; ppb). LNAPL sample only in units of µg/kg.
- NYSDEC TOGS = ambient water quality standards and guidance values for Class GA groundwater as identified in New York State Department of Environmental Conservation Technical and Operational Guidance Series (TOGS) No. 1.1.1.
- Shaded and bracketed values indicate exceedances of the standards and guidance values identified in TOGS 1.1.1.
- All samples analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) using *"United State Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) Statement of Work (SOW) for Organics Analysis Low Concentration Water OLC02.1 (February 1996)".*
- NA = Not applicable. The compound list for the first groundwater sampling event (June 2005) differed from the second groundwater sampling event (August/September 2006) and from the compound list for the LNAPL sample analysis.

Qualifiers

no qualifier	The compound was positively identified at the associated numerical value which is the concentration of the compound in the sample.
U	Non Detect. The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is usable as a non-detect at the quantitation limit.
J	Estimated value. The value was designated as estimated as a result of the data validation criteria. Also used to indicate tentatively identified compounds (TICs) or when an organic compound is present, but the concentration is less than the Contract Required Quantitation Limit (CRQL). The value is usable as an estimated result.
UJ	The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is an estimated quantity due to a QC exceedance. The value is usable as a non-detect at the estimated quantitation limit.
R	Rejected. Quality control indicates that the data are unusable (compound may or may not be present).

Table 2-8
Summary of Groundwater and LNAPL Sample Analytical Results - Semivolatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Notes:

- µg /l = micrograms per liter (parts per billion; ppb).
- µg/kg = micrograms per kilogram (parts per billion; ppb). LNAPL sample only in units of µg/kg.
- NYSDEC TOGS = ambient water quality standards and guidance values for Class GA groundwater as identified in New York State Department of Environmental Conservation Technical and Operational Guidance Series (TOGS) No. 1.1.1.
- Shaded and bracketed values indicate exceedances of the standards and guidance values identified in TOGS 1.1.1.
- All samples analyzed for Target Compound List (TCL) Semivolatile Organic Compounds (SVOCs) using "*United State Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) Statement of Work (SOW) for Organics Analysis Low Concentration Water OLC02.1 (February 1996)*".
- NA = Not applicable. The compound list for the first groundwater sampling event (June 2005) differed from the second groundwater sampling event (August/September 2006) and from the compound list for the LNAPL sample analysis.

Qualifiers

no qualifier	The compound was positively identified at the associated numerical value which is the concentration of the compound in the sample.
U	Non Detect. The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is usable as a non-detect at the quantitation limit.
J	Estimated value. The value was designated as estimated as a result of the data validation criteria. Also used to indicate tentatively identified compounds (TICs) or when an organic compound is present, but the concentration is less than the Contract Required Quantitation Limit (CRQL). The value is usable as an estimated result.
UJ	The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is an estimated quantity due to a QC exceedance. The value is usable as a non-detect at the estimated quantitation limit.
R	Rejected. Quality control indicates that the data are unusable (compound may or may not be present).

Table 2-9
Summary of Groundwater and LNAPL Sample Analytical Results - Metals
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Notes:

- µg /l = micrograms per liter (parts per billion; ppb).
- NYSDEC TOGS = ambient water quality standards and guidance values for Class GA groundwater as identified in New York State Department of Environmental Conservation Technical and Operational Guidance Series (TOGS) No. 1.1.1.
- Shaded and bracketed values indicate exceedances of the standards and guidance values identified in TOGS 1.1.1.
- All samples analyzed for Target Analyte List (TAL) Metals using "*United State Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) Statement of Work (SOW) for Inorganics Analysis Multi-Media, Multi-Concentration, ILM04.2*".

Qualifiers

no qualifier	The analyte was positively identified at the associated numerical value which is the concentration of the compound in the sample.
U	Non Detect. The analyte was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is usable as a non-detect at the quantitation limit.
J	Estimated value. The value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.
UJ	The analyte was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is an estimated quantity due to a QC exceedance. The value is usable as a non-detect at the estimated quantitation limit.
R	Rejected. Quality control indicates that the data are unusable (analyte may or may not be present).

Table 2-11
Summary of Surface Water Sample Analytical Results - Volatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Notes:

- µg /l = micrograms per liter (parts per billion; ppb).
- NYSDEC TOGS Class B Surface Water = ambient water quality standards and guidance values for Class B surface water as identified in New York State Department of Environmental Conservation Technical and Operational Guidance Series (TOGS) No. 1.1.1.
- Shaded and bracketed values indicate exceedances of the standards and guidance values identified in TOGS 1.1.1.
- All samples analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) using *"United State Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) Statement of Work (SOW) for Organics Analysis Low Concentration Water OLC02.1 (February 1996)".*

Qualifiers

no qualifier	The compound was positively identified at the associated numerical value which is the concentration of the compound in the sample.
U	Non Detect. The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is usable as a non-detect at the quantitation limit.
J	Estimated value. The value was designated as estimated as a result of the data validation criteria. Also used to indicate tentatively identified compounds (TICs) or when an organic compound is present, but the concentration is less than the Contract Required Quantitation Limit (CRQL). The value is usable as an estimated result.
UJ	The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is an estimated quantity due to a QC exceedance. The value is usable as a non-detect at the estimated quantitation limit.
R	Rejected. Quality control indicates that the data are unusable (compound may or may not be present).

Table 2-12
Summary of Surface Water Sample Analytical Results - Semivolatile Organic Compounds
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Notes:

- µg /l = micrograms per liter (parts per billion; ppb).
- NYSDEC TOGS Class B Surface Water = ambient water quality standards and guidance values for Class B surface water as identified in New York State Department of Environmental Conservation Technical and Operational Guidance Series (TOGS) No. 1.1.1.
- Shaded and bracketed values indicate exceedances of the standards and guidance values identified in TOGS 1.1.1.
- All samples analyzed for Target Compound List (TCL) Semivolatile Organic Compounds (SVOCs) using *"United State Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) Statement of Work (SOW) for Organics Analysis Low Concentration Water OLC02.1 (February 1996)".*

Qualifiers

UX	The compound was analyzed for, but not detected. The extraction of the samples was performed outside holding time, however instead of rejecting the data, the end user decided that data was useable since no SVOCs were suspected in the surface water. The value is usable as a non-detect at the estimated quantitation limit.

Table 2-13
Summary of Surface Water Sample Analytical Results - Metals
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Notes:

- µg /l = micrograms per liter (parts per billion; ppb).
- NYSDEC TOGS Class B Surface Water = ambient water quality standards and guidance values for Class B surface water as identified in New York State Department of Environmental Conservation Technical and Operational Guidance Series (TOGS) No. 1.1.1.
- Shaded and bracketed values indicate exceedances of the standards and guidance values identified in TOGS 1.1.1.
- All samples analyzed for Target Analyte List (TAL) Metals using "*United State Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) Statement of Work (SOW) for Inorganics Analysis Multi-Media, Multi-Concentration, ILM04.2*".

Qualifiers

no qualifier	The analyte was positively identified at the associated numerical value which is the concentration of the compound in the sample.
U	Non Detect. The analyte was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is usable as a non-detect at the quantitation limit.
J	Estimated value. The value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.
R	Rejected. Quality control indicates that the data are unusable (analyte may or may not be present).

Table 4-2
Summary of Pilot Test Air Sampling Results
Former Raeco Products Site, Rochester, New York
Site Number 8-28-107

Notes:

- $\mu g/m^3$ = micrograms per cubic meter.
- The samples were analyzed following "*Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B"*, Compendium Method TO-15, "*Determination Of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)*".

Qualifiers

no qualifier	The compound was positively identified at the associated numerical value which is the concentration of the compound in the sample.
U	Non Detect. The compound was analyzed for, but not detected. The associated numerical value is the quantitation limit. The value is usable as a non-detect at the quantitation limit.