

Addendum
No. 2 to the
Site
Characterization
Study Three
Rivers Facility
August 1991



"Index # 12"

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS

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August 16, 1991

Mr. Scott J. Foti
Assistant Chemical Engineer
Bureau of Eastern Remedial Action
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, NY 12233

Re: Addendum No. 2 to the Site
Characterization Study
Three Rivers Facility

File: 092.03 #2

Dear Mr. Foti:

This letter report presents the second addendum to the above-referenced report prepared by Blasland & Bouck Engineers, P.C. (Blasland & Bouck), and submitted to the New York State Department of Environmental Conservation (NYSDEC) in February 1990. This addendum presents the results of the laboratory analysis of additional samples collected by Blasland & Bouck at the Three Rivers facility. As discussed in Addendum No. 1, the purpose of the additional sampling and analysis was to further define the extent of pesticide-related contamination at the Three Rivers facility. Presented below is a discussion of the additional sampling and analysis activities performed at the Three Rivers facility.

Sample Collection

Blasland & Bouck conducted the proposed additional sampling activities at the Three Rivers facility on October 18, 1990. The additional sampling program consisted of the collection of soil, sediment, and surface water samples which were proposed in Addendum No. 1 to the Site Characterization Study. Sample collection was performed in accordance with the protocols established in the New York State Department of Environmental Conservation- (NYSDEC-) approved Site Characterization Study Work Plan and Quality Assurance/Quality Control (QA/QC) Plan. The following samples were collected during the additional sampling program:

Media

Sample Identification

Soil:	C1B, C9A, C9B, C11A, C11B, C12A, C12B, C22A, C22B
Sediment:	SD-1
Surface Water:	SW-1, SW-2

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All soil sample locations are shown on Figure 1 (for Bunker No. 3) and Figure 3 (for Bunker No. 8) of the Site Characterization Study for the Three Rivers facility. The surface water and sediment samples were obtained from the swampy area located east of Bunker No. 8. Surface water sample SW-1 was collected at a location downstream of the bunker area, and surface water sample SW-2 was obtained at a location upstream of the bunker area. The sediment sample was collected at a point located below the surface water sample location SW-1.

The soil, surface water, and sediment samples were submitted to representatives of NYSDEC, Bureau of Eastern Remedial Action, Division of Hazardous Waste Remediation, who were present throughout the additional sampling activities. The NYSDEC representatives present maintained chain-of-custody forms for the collected samples. The collected samples were submitted by NYSDEC to Enseco-Erco Laboratory for analysis.

Sample Analysis

All of the collected samples were submitted for the following analyses:

- Organochlorine Pesticides;
- Organophosphorus Pesticides;
- Chlorinated Herbicides;
- Base/Neutral Extractable Compounds; and
- EP Toxicity Metals.

The analyses of the surface water and sediment samples indicate that no detectable concentrations of the above-listed parameters are present in those samples. Based on these results, it appears that the wetland area has not been impacted by past pesticide handling activities at the Three Rivers facility.

A number of base/neutral extractable compounds were detected in the upper level (0 - 6 inches below root zone) and the lower level (12 - 24 inches below root zone) samples collected at four of the five composite sample locations. No base/neutral extractable compounds were identified in samples collected from composite sample location C-12. A summary of the identified base/neutral extractable compound concentrations is presented in Table 1 of this addendum. Several of the base/neutral compounds have been identified at concentrations above (up to three orders of magnitude in some cases) the soil cleanup levels established through the preliminary risk assessment presented in the Site Characterization Study Report.

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One of the EP Toxicity metals was detected in the upper level sample of soil sample location C-22. Selenium was identified in sample C-22A at 0.099 parts per million (ppm). Due to the fact that this is the only EP Toxicity metal detected in the soil, it is unlikely that the presence of selenium is due to past pesticide handling activities.

Several organochlorine pesticide compounds were identified at three of the five composite soil sample locations. A summary of the identified organochlorine pesticide concentrations is presented in Table 1 of this addendum. The organochlorine pesticide compounds detected at location C-1B (12-24 inches below root zone) have been identified at concentrations which exceed the soil cleanup levels established during the preliminary risk assessment presented in the Site Characterization Study Report. The organochlorine pesticides identified at the remaining locations are presented at concentrations which are below the established soil cleanup levels.

The laboratory analytical data generated during the Supplemental Sampling Program described herein is presented in Attachment 1. It should be noted that Blasland & Bouck did not receive EP Toxicity metals analytical data for sample locations SW-1, SW-2, or C9B. In addition, Blasland & Bouck did not receive organochlorine pesticides, organophosphorus pesticides, or chlorinated herbicides analytical data for sample location C9B. Therefore, the presence or absence of the above-mentioned parameters at those sample locations cannot be determined by Blasland & Bouck.

Based on the information presented above, and the proposed site remedies provided in the Decision Document (March 1991) for the project, the formal RCRA Closure Plan for the Three Rivers facility can now be finalized. We anticipate submission of that document to the Department within one week. If you have any questions or comments regarding this addendum, please do not hesitate to contact me at your convenience.

Very truly yours,

BLASLAND & BOUCK ENGINEERS, P.C.



Gary R. Cameron
Associate

PTF/dmd
Attachments

TABLE 1^{1,2}
THREE RIVERS PESTICIDE STORAGE FACILITY
SOIL SAMPLING RESULTS

Base/Neutral Extractable Parameter	C1B PPM	C9A PPM	C9ADL ³ PPM	C9B PPM	C11A PPM	C11B PPM	C22A PPM	C22B PPM
Acenaphthene	1.9	30.0	44.0	4.8	---	---	---	---
Dibenzo Furan	2.0	25.0	34.0	---	---	---	---	---
Fluorene	3.2	50.0	72.0	7.9	5.0	---	---	1.9
Phenanthrene	13.0	230.0	340.0	41.0	27.0	9.3	0.93	9.2
Anthracene	5.1	99.0	150.0	18.0	12.0	3.9	---	3.6
Fluoranthene	13.0	330.0	460.0	62.0	44.0	17.0	1.4	11.0
Pyrene	8.2	200.0	340.0	38.0	26.0	9.9	1.1	7.3
Benzo(a)Anthracene	5.4	140.0	210.0	27.0	19.0	7.1	0.68	4.8
Chrysene	4.6	120.0	190.0	23.0	16.0	6.1	0.62	4.1
Benzo(b)Fluoranthene	3.9	190.0	180.0	18.0	18.0	5.2	0.55	3.5
Benzo(k)Fluoranthene	4.3	190.0	150.0	18.0	18.0	5.2	0.56	3.3
Indeno(1,2,3-cd)Pyrene	4.0	110.0	170.0	21.0	15.0	5.8	0.58	3.8
Benzo(g,h,i)Perylene	---	21.0	71.0	7.8	5.3	2.0	---	---
Dibenzo(a,h)Anthracene	1.6	43.0	---	---	---	---	---	---

Organochlorine Pesticide Parameter	C1B PPM	C1BDL ³ PPM	C9A PPM	C11A PPM
4-4' - DDE	--	--	0.22	--
4-4' - DDD	2.0	3.2	0.25	0.52
4-4' - DDT	3.9	6.5	0.36	0.39

Notes:

- Analyses performed by Enseco Laboratory in October and November 1990
- See Figures 1 and 3 of Site Characterization Study, Three Rivers Facility, prepared by Blasland & Bouck for all sample locations.
- Sample C9ADL and C1BDL represent the re-analysis of samples C9A and C1B, respectively at a secondary dilution factor. Secondary dilution is required when a compound's identified concentration exceeds the calibration range of the instrument being used for that specific analysis.

ATTACHMENT 1
ANALYTICAL DATA

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC1B

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: 741601
 Level: (low/med) LOW Date Received: 10/19/90
 % Moisture: not dec. 16 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90
 GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl) Ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
100-51-6	Benzyl Alcohol	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
39638-32-9	bis(2-Chloroisopropyl) Ether	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	N-Nitroso-Di-n-Propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
65-85-0	Benzoic Acid	7500	U
111-91-1	bis(2-Chloroethoxy) Methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	990	J
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-Methylphenol	1600	U
91-57-6	2-Methylnaphthalene	710	J
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	7500	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	7500	U
131-11-3	Dimethyl Phthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC1B

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: 741601
 Level: (low/med) LOW Date Received: 10/19/90
 Moisture: not dec. 16 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90
 GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 4.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----3-Nitroaniline	7500	U
83-32-9-----Acenaphthene	1900	
51-28-5-----2,4-Dinitrophenol	7500	U
100-02-7-----4-Nitrophenol	7500	U
132-64-9-----Dibenzofuran	2000	
121-14-2-----2,4-Dinitrotoluene	1600	U
84-66-2-----Diethylphthalate	1600	U
7005-72-3-----4-Chlorophenyl-phenylether	1600	U
86-73-7-----Fluorene	3200	
100-10-6-----4-Nitroaniline	7500	U
534-52-1-----4,6-Dinitro-2-Methylphenol	7500	U
86-30-6-----N-Nitrosodiphenylamine (1)	1600	U
101-55-3-----4-Bromophenyl-phenylether	1600	U
118-74-1-----Hexachlorobenzene	1600	U
87-86-5-----Pentachlorophenol	7500	U
85-01-8-----Phenanthrene	13000	
120-12-7-----Anthracene	5100	
84-74-2-----Di-n-Butylphthalate	1600	U
206-44-0-----Fluoranthene	13000	
129-00-0-----Pyrene	8200	
85-68-7-----Butylbenzylphthalate	1600	U
91-94-1-----3,3'-Dichlorobenzidine	3100	U
56-55-3-----Benzo(a)Anthracene	5400	
218-01-9-----Chrysene	4600	
117-81-7-----bis(2-Ethylhexyl)Phthalate	1600	U
117-84-0-----Di-n-Octyl Phthalate	1600	U
205-99-2-----Benzo(b)Fluoranthene	3900	
207-08-9-----Benzo(k)Fluoranthene	4300	
50-32-8-----Benzo(a)Pyrene	4000	
193-39-5-----Indeno(1,2,3-cd)Pyrene	2000	
53-70-3-----Dibenz(a,h)Anthracene	480	J
191-24-2-----Benzo(g,h,i)Perylene	1600	

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC9A

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: 741602
 Level: (low/med) LOW Date Received: 10/19/90
 % Moisture: not dec. 20 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90
 GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 40

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----Phenol	16000	U
111-44-4-----bis(2-Chloroethyl) Ether	16000	U
95-57-8-----2-Chlorophenol	16000	U
541-73-1-----1,3-Dichlorobenzene	16000	U
106-46-7-----1,4-Dichlorobenzene	16000	U
100-51-6-----Benzyl Alcohol	16000	U
95-50-1-----1,2-Dichlorobenzene	16000	U
95-48-7-----2-Methylphenol	16000	U
39638-32-9-----bis(2-Chloroisopropyl) Ether	16000	U
106-44-5-----4-Methylphenol	16000	U
621-64-7-----N-Nitroso-Di-n-Propylamine	16000	U
67-72-1-----Hexachloroethane	16000	U
98-95-3-----Nitrobenzene	16000	U
78-59-1-----Isophorone	16000	U
88-75-5-----2-Nitrophenol	16000	U
105-67-9-----2,4-Dimethylphenol	16000	U
65-85-0-----Benzoic Acid	79000	U
111-91-1-----bis(2-Chloroethoxy) Methane	16000	U
120-83-2-----2,4-Dichlorophenol	16000	U
120-82-1-----1,2,4-Trichlorobenzene	16000	U
91-20-3-----Naphthalene	3600	J
106-47-8-----4-Chloroaniline	16000	U
87-68-3-----Hexachlorobutadiene	16000	U
59-50-7-----4-Chloro-3-Methylphenol	16000	U
91-57-6-----2-Methylnaphthalene	5600	J
77-47-4-----Hexachlorocyclopentadiene	16000	U
88-06-2-----2,4,6-Trichlorophenol	16000	U
95-95-4-----2,4,5-Trichlorophenol	79000	U
91-58-7-----2-Chloronaphthalene	16000	U
88-74-4-----2-Nitroaniline	79000	U
131-11-3-----Dimethyl Phthalate	16000	U
208-96-8-----Acenaphthylene	2500	J
606-20-2-----2,6-Dinitrotoluene	16000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ENSECO

Contract: _____

TRC9A

Lab Code: _____

Case No.: 7416

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: _____

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: 741602

Level: (low/med) LOW

Date Received: 10/19/90

% Moisture: not dec. 20 dec. _____

Date Extracted: 10/29/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/18/90

GPC Cleanup: (Y/N) N pH: 7.4

Dilution Factor: 40

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	79000	U
83-32-9-----	Acenaphthene	30000	
51-28-5-----	2,4-Dinitrophenol	79000	U
100-02-7-----	4-Nitrophenol	79000	U
132-64-9-----	Dibenzofuran	25000	
121-14-2-----	2,4-Dinitrotoluene	16000	U
84-66-2-----	Diethylphthalate	16000	U
7005-72-3-----	4-Chlorophenyl-phenylether	16000	U
86-73-7-----	Fluorene	50000	
100-10-6-----	4-Nitroaniline	79000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	79000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	16000	U
101-55-3-----	4-Bromophenyl-phenylether	16000	U
118-74-1-----	Hexachlorobenzene	16000	U
87-86-5-----	Pentachlorophenol	79000	U
85-01-8-----	Phenanthrene	230000	
120-12-7-----	Anthracene	99000	
84-74-2-----	Di-n-Butylphthalate	16000	U
206-44-0-----	Fluoranthene	330000	E
129-00-0-----	Pyrene	200000	
85-68-7-----	Butylbenzylphthalate	16000	U
91-94-1-----	3,3'-Dichlorobenzidine	33000	U
56-55-3-----	Benzo(a)Anthracene	140000	
218-01-9-----	Chrysene	120000	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	16000	U
117-84-0-----	Di-n-Octyl Phthalate	16000	U
205-99-2-----	Benzo(b)Fluoranthene	190000	Z
207-08-9-----	Benzo(k)Fluoranthene	190000	Z
50-32-8-----	Benzo(a)Pyrene	110000	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	56000	
53-70-3-----	Dibenz(a,h)Anthracene	21000	
191-24-2-----	Benzo(g,h,i)Perylene	43000	

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC9ADL

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: 741602D
 Level: (low/med) LOW Date Received: 10/19/90
 Moisture: not dec. 20 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/19/90
 GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 80

CONCENTRATION UNITS:
 CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	33000	U
111-44-4-----	bis(2-Chloroethyl) Ether	33000	U
95-57-8-----	2-Chlorophenol	33000	U
541-73-1-----	1,3-Dichlorobenzene	33000	U
106-46-7-----	1,4-Dichlorobenzene	33000	U
100-51-6-----	Benzyl Alcohol	33000	U
95-50-1-----	1,2-Dichlorobenzene	33000	U
95-48-7-----	2-Methylphenol	33000	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	33000	U
106-44-5-----	4-Methylphenol	33000	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	33000	U
67-72-1-----	Hexachloroethane	33000	U
98-95-3-----	Nitrobenzene	33000	U
78-59-1-----	Isophorone	33000	U
88-75-5-----	2-Nitrophenol	33000	U
105-67-9-----	2,4-Dimethylphenol	33000	U
65-85-0-----	Benzoic Acid	160000	U
111-91-1-----	bis(2-Chloroethoxy) Methane	33000	U
120-83-2-----	2,4-Dichlorophenol	33000	U
120-82-1-----	1,2,4-Trichlorobenzene	33000	U
91-20-3-----	Naphthalene	5400	DJ
106-47-8-----	4-Chloroaniline	33000	U
87-68-3-----	Hexachlorobutadiene	33000	U
59-50-7-----	4-Chloro-3-Methylphenol	33000	U
91-57-6-----	2-Methylnaphthalene	7700	DJ
77-47-4-----	Hexachlorocyclopentadiene	33000	U
88-06-2-----	2,4,6-Trichlorophenol	33000	U
95-95-4-----	2,4,5-Trichlorophenol	160000	U
91-58-7-----	2-Chloronaphthalene	33000	U
88-74-4-----	2-Nitroaniline	160000	U
131-11-3-----	Dimethyl Phthalate	33000	U
208-96-8-----	Acenaphthylene	33000	U
606-20-2-----	2,6-Dinitrotoluene	33000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ENSECO

Contract: _____

TRC9ADL

Lab Code: _____

Case No.: 7416

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: _____

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: 741602D

Level: (low/med) LOW

Date Received: 10/19/90

% Moisture: not dec. 20 dec. _____

Date Extracted: 10/29/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/19/90

GPC Cleanup: (Y/N) N pH: 7.4

Dilution Factor: 80

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	160000	U
83-32-9-----	Acenaphthene	44000	D
51-28-5-----	2,4-Dinitrophenol	160000	U
100-02-7-----	4-Nitrophenol	160000	U
132-64-9-----	Dibenzofuran	34000	D
121-14-2-----	2,4-Dinitrotoluene	33000	U
84-66-2-----	Diethylphthalate	33000	U
7005-72-3-----	4-Chlorophenyl-phenylether	33000	U
86-73-7-----	Fluorene	72000	D
100-10-6-----	4-Nitroaniline	160000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	160000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	33000	U
101-55-3-----	4-Bromophenyl-phenylether	33000	U
118-74-1-----	Hexachlorobenzene	33000	U
87-86-5-----	Pentachlorophenol	160000	U
85-01-8-----	Phenanthrene	340000	D
120-12-7-----	Anthracene	150000	D
84-74-2-----	Di-n-Butylphthalate	33000	U
206-44-0-----	Fluoranthene	460000	D
129-00-0-----	Pyrene	340000	D
85-68-7-----	Butylbenzylphthalate	33000	U
91-94-1-----	3,3'-Dichlorobenzidine	66000	U
56-55-3-----	Benzo(a)Anthracene	210000	D
218-01-9-----	Chrysene	190000	D
117-81-7-----	bis(2-Ethylhexyl)Phthalate	33000	U
117-84-0-----	Di-n-Octyl Phthalate	33000	U
205-99-2-----	Benzo(b)Fluoranthene	180000	D
207-08-9-----	Benzo(k)Fluoranthene	150000	D
50-32-8-----	Benzo(a)Pyrene	170000	D
193-39-5-----	Indeno(1,2,3-cd)Pyrene	82000	D
53-70-3-----	Dibenz(a,h)Anthracene	22000	DJ
191-24-2-----	Benzo(g,h,i)Perylene	71000	D

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC9B

Lab Name: ENSECO Contract: _____

Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: _____

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 741603

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 13 dec. _____ Date Extracted: 10/29/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 12

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	4500	U
111-44-4-----	bis(2-Chloroethyl) Ether	4500	U
95-57-8-----	2-Chlorophenol	4500	U
541-73-1-----	1,3-Dichlorobenzene	4500	U
106-46-7-----	1,4-Dichlorobenzene	4500	U
100-51-6-----	Benzyl Alcohol	4500	U
95-50-1-----	1,2-Dichlorobenzene	4500	U
95-48-7-----	2-Methylphenol	4500	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	4500	U
106-44-5-----	4-Methylphenol	4500	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	4500	U
67-72-1-----	Hexachloroethane	4500	U
98-95-3-----	Nitrobenzene	4500	U
78-59-1-----	Isophorone	4500	U
88-75-5-----	2-Nitrophenol	4500	U
105-67-9-----	2,4-Dimethylphenol	4500	U
65-85-0-----	Benzoic Acid	22000	U
111-91-1-----	bis(2-Chloroethoxy) Methane	4500	U
120-83-2-----	2,4-Dichlorophenol	4500	U
120-82-1-----	1,2,4-Trichlorobenzene	4500	U
91-20-3-----	Naphthalene	4500	U
106-47-8-----	4-Chloroaniline	4500	U
87-68-3-----	Hexachlorobutadiene	4500	U
59-50-7-----	4-Chloro-3-Methylphenol	4500	U
91-57-6-----	2-Methylnaphthalene	660	J
77-47-4-----	Hexachlorocyclopentadiene	4500	U
88-06-2-----	2,4,6-Trichlorophenol	4500	U
95-95-4-----	2,4,5-Trichlorophenol	22000	U
91-58-7-----	2-Chloronaphthalene	4500	U
88-74-4-----	2-Nitroaniline	22000	U
131-11-3-----	Dimethyl Phthalate	4500	U
208-96-8-----	Acenaphthylene	4500	U
606-20-2-----	2,6-Dinitrotoluene	4500	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC9B

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: 741603
 Level: (low/med) LOW Date Received: 10/19/90
 % Moisture: not dec. 13 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 12

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	22000	U
83-32-9-----	Acenaphthene	4800	
51-28-5-----	2,4-Dinitrophenol	22000	U
100-02-7-----	4-Nitrophenol	22000	U
132-64-9-----	Dibenzofuran	3700	J
121-14-2-----	2,4-Dinitrotoluene	4500	U
84-66-2-----	Diethylphthalate	4500	U
7005-72-3-----	4-Chlorophenyl-phenylether	4500	U
86-73-7-----	Fluorene	7900	
100-10-6-----	4-Nitroaniline	22000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	22000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	4500	U
101-55-3-----	4-Bromophenyl-phenylether	4500	U
118-74-1-----	Hexachlorobenzene	4500	U
87-86-5-----	Pentachlorophenol	22000	U
85-01-8-----	Phenanthrene	41000	
120-12-7-----	Anthracene	18000	
84-74-2-----	Di-n-Butylphthalate	4500	U
206-44-0-----	Fluoranthene	62000	
129-00-0-----	Pyrene	38000	
85-68-7-----	Butylbenzylphthalate	4500	U
91-94-1-----	3,3'-Dichlorobenzidine	8900	U
56-55-3-----	Benzo(a)Anthracene	27000	
218-01-9-----	Chrysene	23000	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	4500	U
117-84-0-----	Di-n-Octyl Phthalate	4500	U
205-99-2-----	Benzo(b)Fluoranthene	18000	Z
207-08-9-----	Benzo(k)Fluoranthene	18000	Z
50-32-8-----	Benzo(a)Pyrene	21000	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	10000	
53-70-3-----	Dibenz(a,h)Anthracene	2900	J
191-24-2-----	Benzo(g,h,i)Perylene	7800	

(1) - Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ENSECO

Contract: _____

TRC11A

Lab Code: _____

Case No.: 7416

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: _____

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: 741605

Level: (low/med) LOW

Date Received: 10/19/90

% Moisture: not dec. 19

dec. _____

Date Extracted: 10/29/90

Extraction: (SepF/Cont/Sonc) _____

SONC

Date Analyzed: 11/18/90

GPC Cleanup: (Y/N) N

pH: 7.7

Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	19000	U
83-32-9	Acenaphthene	3000	J
51-28-5	2,4-Dinitrophenol	19000	U
100-02-7	4-Nitrophenol	19000	U
132-64-9	Dibenzofuran	2300	J
121-14-2	2,4-Dinitrotoluene	4000	U
84-66-2	Diethylphthalate	4000	U
7005-72-3	4-Chlorophenyl-phenylether	4000	U
86-73-7	Fluorene	5000	
100-10-6	4-Nitroaniline	19000	U
534-52-1	4,6-Dinitro-2-Methylphenol	19000	U
86-30-6	N-Nitrosodiphenylamine (1)	4000	U
101-55-3	4-Bromophenyl-phenylether	4000	U
118-74-1	Hexachlorobenzene	4000	U
87-86-5	Pentachlorophenol	19000	U
85-01-8	Phenanthrene	27000	
120-12-7	Anthracene	12000	
84-74-2	Di-n-Butylphthalate	4000	U
206-44-0	Fluoranthene	44000	
129-00-0	Pyrene	26000	
85-68-7	Butylbenzylphthalate	4000	U
91-94-1	3,3'-Dichlorobenzidine	8000	U
56-55-3	Benzo(a)Anthracene	19000	
218-01-9	Chrysene	16000	
117-81-7	bis(2-Ethylhexyl) Phthalate	4000	U
117-84-0	Di-n-Octyl Phthalate	4000	U
205-99-2	Benzo(b)Fluoranthene	18000	XZ
207-08-9	Benzo(k)Fluoranthene	18000	XZ
50-32-8	Benzo(a) Pyrene	15000	
193-39-5	Indeno(1,2,3-cd)Pyrene	7100	
53-70-3	Dibenz(a,h)Anthracene	1900	J
191-24-2	Benzo(g,h,i)Perylene	5300	

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC11B

Lab Name: ENSECO

Contract: _____

Lab Code: _____

Case No.: 7416

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: _____

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: 741606

Level: (low/med) LOW

Date Received: 10/19/90

% Moisture: not dec. 13 dec. _____

Date Extracted: 10/29/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/18/90

GPC Cleanup: (Y/N) N pH: 7.2

Dilution Factor: 4.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	1500	U
111-44-4-----	bis(2-Chloroethyl) Ether	1500	U
95-57-8-----	2-Chlorophenol	1500	U
541-73-1-----	1,3-Dichlorobenzene	1500	U
106-46-7-----	1,4-Dichlorobenzene	1500	U
100-51-6-----	Benzyl Alcohol	1500	U
95-50-1-----	1,2-Dichlorobenzene	1500	U
95-48-7-----	2-Methylphenol	1500	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	1500	U
106-44-5-----	4-Methylphenol	1500	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	1500	U
67-72-1-----	Hexachloroethane	1500	U
98-95-3-----	Nitrobenzene	1500	U
78-59-1-----	Isophorone	1500	U
88-75-5-----	2-Nitrophenol	1500	U
105-67-9-----	2,4-Dimethylphenol	1500	U
65-85-0-----	Benzoic Acid	7300	U
111-91-1-----	bis(2-Chloroethoxy) Methane	1500	U
120-83-2-----	2,4-Dichlorophenol	1500	U
120-82-1-----	1,2,4-Trichlorobenzene	1500	U
91-20-3-----	Naphthalene	1500	U
106-47-8-----	4-Chloroaniline	1500	U
87-68-3-----	Hexachlorobutadiene	1500	U
59-50-7-----	4-Chloro-3-Methylphenol	1500	U
91-57-6-----	2-Methylnaphthalene	1500	U
77-47-4-----	Hexachlorocyclopentadiene	1500	U
88-06-2-----	2,4,6-Trichlorophenol	1500	U
95-95-4-----	2,4,5-Trichlorophenol	7300	U
91-58-7-----	2-Chloronaphthalene	1500	U
88-74-4-----	2-Nitroaniline	7300	U
131-11-3-----	Dimethyl Phthalate	1500	U
208-96-8-----	Acenaphthylene	1500	U
606-20-2-----	2,6-Dinitrotoluene	1500	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC11B

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: 741606
 Level: (low/med) LOW Date Received: 10/19/90
 % Moisture: not dec. 13 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90
 GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 4.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	7300	U
83-32-9-----	Acenaphthene	990	J
51-28-5-----	2,4-Dinitrophenol	7300	U
100-02-7-----	4-Nitrophenol	7300	U
132-64-9-----	Dibenzofuran	660	J
121-14-2-----	2,4-Dinitrotoluene	1500	U
84-66-2-----	Diethylphthalate	1500	U
7005-72-3-----	4-Chlorophenyl-phenylether	1500	U
86-73-7-----	Fluorene	1500	J
100-10-6-----	4-Nitroaniline	7300	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	7300	U
86-30-6-----	N-Nitrosodiphenylamine (1)	1500	U
101-55-3-----	4-Bromophenyl-phenylether	1500	U
118-74-1-----	Hexachlorobenzene	1500	U
87-86-5-----	Pentachlorophenol	7300	U
85-01-8-----	Phenanthrene	9300	
120-12-7-----	Anthracene	3900	
84-74-2-----	Di-n-Butylphthalate	1500	U
206-44-0-----	Fluoranthene	17000	
129-00-0-----	Pyrene	9900	
85-68-7-----	Butylbenzylphthalate	1500	U
91-94-1-----	3,3'-Dichlorobenzidine	3000	U
56-55-3-----	Benzo(a)Anthracene	7100	
218-01-9-----	Chrysene	6100	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	1500	U
117-84-0-----	Di-n-Octyl Phthalate	1500	U
205-99-2-----	Benzo(b)Fluoranthene	5200	Z
207-08-9-----	Benzo(k)Fluoranthene	5200	Z
50-32-8-----	Benzo(a)Pyrene	5800	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	2700	
53-70-3-----	Dibenz(a,h)Anthracene	720	J
191-24-2-----	Benzo(g,h,i)Perylene	2000	

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC12A

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: 741607
 Level: (low/med) LOW Date Received: 10/19/90
 % Moisture: not dec. 22 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/90
 GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	420	U
111-44-4-----	bis(2-Chloroethyl) Ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
100-51-6-----	Benzyl Alcohol	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	420	U
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
65-85-0-----	Benzoic Acid	2000	U
111-91-1-----	bis(2-Chloroethoxy) Methane	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	U
87-68-3-----	Hexachlorobutadiene	420	U
59-50-7-----	4-Chloro-3-Methylphenol	420	U
91-57-6-----	2-Methylnaphthalene	420	U
77-47-4-----	Hexachlorocyclopentadiene	420	U
88-06-2-----	2,4,6-Trichlorophenol	420	U
95-95-4-----	2,4,5-Trichlorophenol	2000	U
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	2000	U
131-11-3-----	Dimethyl Phthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC12A

Lab Name: ENSECO Contract: _____

Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: _____

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 741607

Level: (low/med) LOW Date Received: 10/19/90

Moisture: not dec. 22 dec. _____ Date Extracted: 10/29/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/90

PC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	2000	U
83-32-9-----	Acenaphthene	420	U
51-28-5-----	2,4-Dinitrophenol	2000	U
100-02-7-----	4-Nitrophenol	2000	U
132-64-9-----	Dibenzofuran	420	U
121-14-2-----	2,4-Dinitrotoluene	420	U
84-66-2-----	Diethylphthalate	420	U
7005-72-3-----	4-Chlorophenyl-phenylether	420	U
86-73-7-----	Fluorene	420	U
100-10-6-----	4-Nitroaniline	2000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U
101-55-3-----	4-Bromophenyl-phenylether	420	U
118-74-1-----	Hexachlorobenzene	420	U
87-86-5-----	Pentachlorophenol	2000	U
85-01-8-----	Phenanthrene	420	U
120-12-7-----	Anthracene	420	U
84-74-2-----	Di-n-Butylphthalate	420	U
206-44-0-----	Fluoranthene	63	J
129-00-0-----	Pyrene	50	J
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	830	U
56-55-3-----	Benzo(a)Anthracene	420	U
218-01-9-----	Chrysene	420	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0-----	Di-n-Octyl Phthalate	420	U
205-99-2-----	Benzo(b)Fluoranthene	53	JZ
207-08-9-----	Benzo(k)Fluoranthene	53	JZ
50-32-8-----	Benzo(a)Pyrene	420	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3-----	Dibenz(a,h)Anthracene	420	U
191-24-2-----	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC12B

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: 741608
 Level: (low/med) LOW Date Received: 10/19/90
 % Moisture: not dec. 22 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/90
 GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	420	U
111-44-4-----	bis(2-Chloroethyl) Ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
100-51-6-----	Benzyl Alcohol	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	420	U
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
65-85-0-----	Benzoic Acid	2000	U
111-91-1-----	bis(2-Chloroethoxy) Methane	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	U
87-68-3-----	Hexachlorobutadiene	420	U
59-50-7-----	4-Chloro-3-Methylphenol	420	U
91-57-6-----	2-Methylnaphthalene	420	U
77-47-4-----	Hexachlorocyclopentadiene	420	U
88-06-2-----	2,4,6-Trichlorophenol	420	U
95-95-4-----	2,4,5-Trichlorophenol	2000	U
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	2000	U
131-11-3-----	Dimethyl Phthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC12B

Lab Name: ENSECO Contract: _____

Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: _____

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 741608

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 22 dec. _____ Date Extracted: 10/29/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/16/90

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-10-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	86	J
120-12-7	Anthracene	420	U
84-74-2	Di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	180	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)Anthracene	79	J
218-01-9	Chrysene	80	J
117-81-7	bis(2-Ethylhexyl) Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo(b) Fluoranthene	140	JZ
207-08-9	Benzo(k) Fluoranthene	140	JZ
50-32-8	Benzo(a) Pyrene	73	J
193-39-5	Indeno(1,2,3-cd) Pyrene	43	J
53-70-3	Dibenz(a,h) Anthracene	420	U
191-24-2	Benzo(g,h,i) Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC22A

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.9 (g/mL) G Lab File ID: 741609
 Level: (low/med) LOW Date Received: 10/19/90
 Moisture: not dec. 18 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90
 GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
100-51-6	Benzyl Alcohol	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
39638-32-9	bis(2-Chloroisopropyl) Ether	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy) Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethyl Phthalate	390	U
208-96-8	Acenaphthylene	48	J
606-20-2	2,6-Dinitrotoluene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC22A

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.9 (g/mL) G Lab File ID: 741609
 Level: (low/med) LOW Date Received: 10/19/90
 % Moisture: not dec. 18 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90
 GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----3-Nitroaniline	1900	U
83-32-9-----Acenaphthene	74	J
51-28-5-----2,4-Dinitrophenol	1900	U
100-02-7-----4-Nitrophenol	1900	U
132-64-9-----Dibenzofuran	58	J
121-14-2-----2,4-Dinitrotoluene	390	U
84-66-2-----Diethylphthalate	390	U
7005-72-3-----4-Chlorophenyl-phenylether	390	U
86-73-7-----Fluorene	130	J
100-10-6-----4-Nitroaniline	1900	U
534-52-1-----4,6-Dinitro-2-Methylphenol	1900	U
86-30-6-----N-Nitrosodiphenylamine (1)	390	U
101-55-3-----4-Bromophenyl-phenylether	390	U
118-74-1-----Hexachlorobenzene	390	U
87-86-5-----Pentachlorophenol	1900	U
85-01-8-----Phenanthrene	930	J
120-12-7-----Anthracene	330	U
84-74-2-----Di-n-Butylphthalate	390	U
206-44-0-----Fluoranthene	1400	U
129-00-0-----Pyrene	1100	U
85-68-7-----Butylbenzylphthalate	390	U
91-94-1-----3,3'-Dichlorobenzidine	780	U
56-55-3-----Benzo(a)Anthracene	680	U
218-01-9-----Chrysene	620	U
117-81-7-----bis(2-Ethylhexyl)Phthalate	390	U
117-84-0-----Di-n-Octyl Phthalate	390	U
205-99-2-----Benzo(b)Fluoranthene	550	U
207-08-9-----Benzo(k)Fluoranthene	560	U
50-32-8-----Benzo(a)Pyrene	580	U
193-39-5-----Indeno(1,2,3-cd)Pyrene	350	J
53-70-3-----Dibenz(a,h)Anthracene	78	J
191-24-2-----Benzo(g,h,i)Perylene	290	J

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC22B

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.7 (g/mL) G Lab File ID: 741610
 Level: (low/med) LOW Date Received: 10/19/90
 Moisture: not dec. 20 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90
 GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 4.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl) Ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
100-51-6	Benzyl Alcohol	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
39638-32-9	bis(2-Chloroisopropyl) Ether	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	N-Nitroso-Di-n-Propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
65-85-0	Benzoic Acid	7800	U
111-91-1	bis(2-Chloroethoxy) Methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	640	J
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-Methylphenol	1600	U
91-57-6	2-Methylnaphthalene	400	J
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	7800	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	7800	U
131-11-3	Dimethyl Phthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC22B

Lab Name: ENSECO Contract: _____
 Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: _____
 Sample wt/vol: 30.7 (g/mL) G Lab File ID: 741610
 Level: (low/med) LOW Date Received: 10/19/90
 % Moisture: not dec. 20 dec. _____ Date Extracted: 10/29/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90
 GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 4.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----3-Nitroaniline	7800	U
83-32-9-----Acenaphthene	1000	J
51-28-5-----2,4-Dinitrophenol	7800	U
100-02-7-----4-Nitrophenol	7800	U
132-64-9-----Dibenzofuran	1200	J
121-14-2-----2,4-Dinitrotoluene	1600	U
84-66-2-----Diethylphthalate	1600	U
7005-72-3-----4-Chlorophenyl-phenylether	1600	U
86-73-7-----Fluorene	1900	
100-10-6-----4-Nitroaniline	7800	U
534-52-1-----4,6-Dinitro-2-Methylphenol	7800	U
86-30-6-----N-Nitrosodiphenylamine (1)	1600	U
101-55-3-----4-Bromophenyl-phenylether	1600	U
118-74-1-----Hexachlorobenzene	1600	U
87-86-5-----Pentachlorophenol	7800	U
85-01-8-----Phenanthrene	9200	
120-12-7-----Anthracene	3600	
84-74-2-----Di-n-Butylphthalate	1600	U
206-44-0-----Fluoranthene	11000	
129-00-0-----Pyrene	7300	
85-68-7-----Butylbenzylphthalate	1600	U
91-94-1-----3,3'-Dichlorobenzidine	3200	U
56-55-3-----Benzo(a)Anthracene	4800	
218-01-9-----Chrysene	4100	
117-81-7-----bis(2-Ethylhexyl)Phthalate	1600	U
117-84-0-----Di-n-Octyl Phthalate	1600	U
205-99-2-----Benzo(b)Fluoranthene	3500	
207-08-9-----Benzo(k)Fluoranthene	3300	
50-32-8-----Benzo(a)Pyrene	3800	
193-39-5-----Indeno(1,2,3-cd)Pyrene	2000	
53-70-3-----Dibenz(a,h)Anthracene	490	J
191-24-2-----Benzo(g,h,i)Perylene	1600	J

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ENSECO

Contract: _____

TRSW1

Lab Code: _____

Case No.: 7416

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: _____

Sample wt/vol: 970 (g/mL) ML

Lab File ID: 741611

Level: (low/med) LOW

Date Received: 10/19/90

% Moisture: not dec. _____ dec. _____

Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 11/16/90

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1.9

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

108-95-2-----	Phenol	20	U
111-44-4-----	bis(2-Chloroethyl) Ether	20	U
95-57-8-----	2-Chlorophenol	20	U
541-73-1-----	1,3-Dichlorobenzene	20	U
106-46-7-----	1,4-Dichlorobenzene	20	U
100-51-6-----	Benzyl Alcohol	20	U
95-50-1-----	1,2-Dichlorobenzene	20	U
95-48-7-----	2-Methylphenol	20	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	20	U
106-44-5-----	4-Methylphenol	20	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	20	U
67-72-1-----	Hexachloroethane	20	U
98-95-3-----	Nitrobenzene	20	U
78-59-1-----	Isophorone	20	U
88-75-5-----	2-Nitrophenol	20	U
105-67-9-----	2,4-Dimethylphenol	20	U
65-85-0-----	Benzoic Acid	100	U
111-91-1-----	bis(2-Chloroethoxy) Methane	20	U
120-83-2-----	2,4-Dichlorophenol	20	U
120-82-1-----	1,2,4-Trichlorobenzene	20	U
91-20-3-----	Naphthalene	20	U
106-47-8-----	4-Chloroaniline	20	U
87-68-3-----	Hexachlorobutadiene	20	U
59-50-7-----	4-Chloro-3-Methylphenol	20	U
91-57-6-----	2-Methylnaphthalene	20	U
77-47-4-----	Hexachlorocyclopentadiene	20	U
88-06-2-----	2,4,6-Trichlorophenol	20	U
95-95-4-----	2,4,5-Trichlorophenol	100	U
91-58-7-----	2-Chloronaphthalene	20	U
88-74-4-----	2-Nitroaniline	100	U
131-11-3-----	Dimethyl Phthalate	20	U
208-96-8-----	Acenaphthylene	20	U
606-20-2-----	2,6-Dinitrotoluene	20	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRSW1

Lab Name: ENSECO Contract: _____

Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: _____

Sample wt/vol: 970 (g/mL) ML Lab File ID: 741611

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. _____ dec. _____ Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 11/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.9

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

99-09-2-----	3-Nitroaniline	100	U
83-32-9-----	Acenaphthene	20	U
51-28-5-----	2,4-Dinitrophenol	100	U
100-02-7-----	4-Nitrophenol	100	U
132-64-9-----	Dibenzofuran	20	U
121-14-2-----	2,4-Dinitrotoluene	20	U
84-66-2-----	Diethylphthalate	20	U
7005-72-3-----	4-Chlorophenyl-phenylether	20	U
86-73-7-----	Fluorene	20	U
100-10-6-----	4-Nitroaniline	100	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	20	U
101-55-3-----	4-Bromophenyl-phenylether	20	U
118-74-1-----	Hexachlorobenzene	20	U
87-86-5-----	Pentachlorophenol	100	U
85-01-8-----	Phenanthrene	20	U
120-12-7-----	Anthracene	20	U
84-74-2-----	Di-n-Butylphthalate	20	U
206-44-0-----	Fluoranthene	20	U
129-00-0-----	Pyrene	20	U
85-68-7-----	Butylbenzylphthalate	20	U
91-94-1-----	3,3'-Dichlorobenzidine	40	U
56-55-3-----	Benzo(a)Anthracene	20	U
218-01-9-----	Chrysene	20	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	20	U
117-84-0-----	Di-n-Octyl Phthalate	20	U
205-99-2-----	Benzo(b) Fluoranthene	20	U
207-08-9-----	Benzo(k) Fluoranthene	20	U
50-32-8-----	Benzo(a) Pyrene	20	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	20	U
53-70-3-----	Dibenz(a,h) Anthracene	20	U
191-24-2-----	Benzo(g,h,i) Perylene	20	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ENSECO

Contract: _____

TRSD1

Lab Code: _____

Case No.: 7416

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: _____

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: 741614

Level: (low/med) LOW

Date Received: 10/19/90

% Moisture: not dec. 37 dec. _____

Date Extracted: 10/29/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/18/90

GPC Cleanup: (Y/N) N pH: 6.6

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	520	U
111-44-4-----	bis(2-Chloroethyl) Ether	520	U
95-57-8-----	2-Chlorophenol	520	U
541-73-1-----	1,3-Dichlorobenzene	520	U
106-46-7-----	1,4-Dichlorobenzene	520	U
100-51-6-----	Benzyl Alcohol	520	U
95-50-1-----	1,2-Dichlorobenzene	520	U
95-48-7-----	2-Methylphenol	520	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	520	U
106-44-5-----	4-Methylphenol	520	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	520	U
67-72-1-----	Hexachloroethane	520	U
98-95-3-----	Nitrobenzene	520	U
78-59-1-----	Isophorone	520	U
88-75-5-----	2-Nitrophenol	520	U
105-67-9-----	2,4-Dimethylphenol	520	U
65-85-0-----	Benzoic Acid	2500	U
111-91-1-----	bis(2-Chloroethoxy) Methane	520	U
120-83-2-----	2,4-Dichlorophenol	520	U
120-82-1-----	1,2,4-Trichlorobenzene	520	U
91-20-3-----	Naphthalene	520	U
106-47-8-----	4-Chloroaniline	520	U
87-68-3-----	Hexachlorobutadiene	520	U
59-50-7-----	4-Chloro-3-Methylphenol	520	U
91-57-6-----	2-Methylnaphthalene	520	U
77-47-4-----	Hexachlorocyclopentadiene	520	U
88-06-2-----	2,4,6-Trichlorophenol	520	U
95-95-4-----	2,4,5-Trichlorophenol	2500	U
91-58-7-----	2-Chloronaphthalene	520	U
88-74-4-----	2-Nitroaniline	2500	U
131-11-3-----	Dimethyl Phthalate	520	U
208-96-8-----	Acenaphthylene	520	U
606-20-2-----	2,6-Dinitrotoluene	520	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRSD1

Lab Name: ENSECO Contract: _____

Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: _____

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 741614

Level: (low/med) LOW Date Received: 10/19/90

Moisture: not dec. 37 dec. _____ Date Extracted: 10/29/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/18/90

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	2500	U
83-32-9-----	Acenaphthene	520	U
51-28-5-----	2,4-Dinitrophenol	2500	U
100-02-7-----	4-Nitrophenol	2500	U
132-64-9-----	Dibenzofuran	520	U
121-14-2-----	2,4-Dinitrotoluene	520	U
84-66-2-----	Diethylphthalate	520	U
7005-72-3-----	4-Chlorophenyl-phenylether	520	U
86-73-7-----	Fluorene	520	U
100-10-6-----	4-Nitroaniline	2500	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2500	U
86-30-6-----	N-Nitrosodiphenylamine (1)	520	U
101-55-3-----	4-Bromophenyl-phenylether	520	U
118-74-1-----	Hexachlorobenzene	520	U
87-86-5-----	Pentachlorophenol	2500	U
85-01-8-----	Phenanthrene	520	U
120-12-7-----	Anthracene	520	U
84-74-2-----	Di-n-Butylphthalate	520	U
206-44-0-----	Fluoranthene	93	J
129-00-0-----	Pyrene	79	J
85-68-7-----	Butylbenzylphthalate	520	U
91-94-1-----	3,3'-Dichlorobenzidine	1000	U
56-55-3-----	Benzo(a)Anthracene	56	J
218-01-9-----	Chrysene	63	J
117-81-7-----	bis(2-Ethylhexyl)Phthalate	520	U
117-84-0-----	Di-n-Octyl Phthalate	520	U
205-99-2-----	Benzo(b)Fluoranthene	150	JZ
207-08-9-----	Benzo(k)Fluoranthene	150	JZ
50-32-8-----	Benzo(a)Pyrene	69	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	520	U
53-70-3-----	Dibenz(a,h)Anthracene	520	U
191-24-2-----	Benzo(g,h,i)Perylene	520	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ENSECO Contract: _____

Lab Code: _____ Case No.: 7416 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: _____

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 741612

Level: (low/med) LOW Date Received: 10/19/90

Moisture: not dec. _____ dec. _____ Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 11/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 2.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

108-95-2	Phenol	20	U
111-44-4	bis(2-Chloroethyl) Ether	20	U
95-57-8	2-Chlorophenol	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
100-51-6	Benzyl Alcohol	20	U
95-50-1	1,2-Dichlorobenzene	20	U
95-48-7	2-Methylphenol	20	U
39638-32-9	bis(2-Chloroisopropyl) Ether	20	U
106-44-5	4-Methylphenol	20	U
621-64-7	N-Nitroso-Di-n-Propylamine	20	U
67-72-1	Hexachloroethane	20	U
98-95-3	Nitrobenzene	20	U
78-59-1	Isophorone	20	U
88-75-5	2-Nitrophenol	20	U
105-67-9	2,4-Dimethylphenol	20	U
65-85-0	Benzoic Acid	100	U
111-91-1	bis(2-Chloroethoxy) Methane	20	U
120-83-2	2,4-Dichlorophenol	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
91-20-3	Naphthalene	20	U
106-47-8	4-Chloroaniline	20	U
87-68-3	Hexachlorobutadiene	20	U
59-50-7	4-Chloro-3-Methylphenol	20	U
91-57-6	2-Methylnaphthalene	20	U
77-47-4	Hexachlorocyclopentadiene	20	U
88-06-2	2,4,6-Trichlorophenol	20	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	20	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethyl Phthalate	20	U
208-96-8	Acenaphthylene	20	U
606-20-2	2,6-Dinitrotoluene	20	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ENSECO

Contract: _____

TRSW2

Lab Code: _____

Case No.: 7416

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: _____

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 741612

Level: (low/med) LOW

Date Received: 10/19/90

% Moisture: not dec. _____ dec. _____

Date Extracted: 10/24/90

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 11/16/90

GPC Cleanup: (Y/N) N

pH: _____

Dilution Factor: 2.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

99-09-2-----	3-Nitroaniline	100	U
83-32-9-----	Acenaphthene	20	U
51-28-5-----	2,4-Dinitrophenol	100	U
100-02-7-----	4-Nitrophenol	100	U
132-64-9-----	Dibenzofuran	20	U
121-14-2-----	2,4-Dinitrotoluene	20	U
84-66-2-----	Diethylphthalate	20	U
7005-72-3-----	4-Chlorophenyl-phenylether	20	U
86-73-7-----	Fluorene	20	U
100-10-6-----	4-Nitroaniline	100	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	20	U
101-55-3-----	4-Bromophenyl-phenylether	20	U
118-74-1-----	Hexachlorobenzene	20	U
87-86-5-----	Pentachlorophenol	100	U
85-01-8-----	Phenanthrene	20	U
120-12-7-----	Anthracene	20	U
84-74-2-----	Di-n-Butylphthalate	20	U
206-44-0-----	Fluoranthene	20	U
129-00-0-----	Pyrene	20	U
85-68-7-----	Butylbenzylphthalate	20	U
91-94-1-----	3,3'-Dichlorobenzidine	40	U
56-55-3-----	Benzo(a)Anthracene	20	U
218-01-9-----	Chrysene	20	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	20	U
117-84-0-----	Di-n-Octyl Phthalate	20	U
205-99-2-----	Benzo(b)Fluoranthene	20	U
207-08-9-----	Benzo(k)Fluoranthene	20	U
50-32-8-----	Benzo(a)Pyrene	20	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	20	U
53-70-3-----	Dibenz(a,h)Anthracene	20	U
191-24-2-----	Benzo(g,h,i)Perylene	20	U

(1) - Cannot be separated from Diphenylamine

Organophosphate Pesticides

Method 8140

Client Name: New York State DEC
Client ID: TRC1B
Lab ID: 055325-0001-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 30 OCT 90

Parameter	Result	Dry weight Reporting	
		Units	Limit
Phosdrin	ND	ug/kg	120
Phorate (Thimet)	ND	ug/kg	120
Diazinon	ND	ug/kg	120
Disyston	ND	ug/kg	120
Dimethoate	ND	ug/kg	120
Baytex (Fenthion)	ND	ug/kg	120
Dursban (Chlorpyrifos)	ND	ug/kg	120
Methyl parathion	ND	ug/kg	120
Malathion	ND	ug/kg	120
Ethyl parathion	ND	ug/kg	120
DEF	ND	ug/kg	120
Ethion	ND	ug/kg	120
Carbophenothion (Trithion)	ND	ug/kg	120
Azinphos-methyl (Guthion)	ND	ug/kg	1200

Percent Moisture is 16%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Jennifer Neeley

Approved By: Marcia Reed

The cover letter is an integral part of this report.
Rev 230787

Organophosphate Pesticides

Method 8140

Client Name: New York State DEC
Client ID: TRC9A
Lab ID: 055325-0002-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90
Received: 19 OCT 90
Analyzed: 30 OCT 90

Parameter	Result	Dry weight Units	Reporting Limit
Phosdrin	ND	ug/kg	130
Phorate (Thimet)	ND	ug/kg	130
Diazinon	ND	ug/kg	130
Disyston	ND	ug/kg	130
Dimethoate	ND	ug/kg	130
Baytex (Fenthion)	ND	ug/kg	130
Dursban (Chlorpyrifos)	ND	ug/kg	130
Methyl parathion	ND	ug/kg	130
Malathion	ND	ug/kg	130
Ethyl parathion	ND	ug/kg	130
DEF	ND	ug/kg	130
Ethion	ND	ug/kg	130
Carbophenothion (Trithion)	ND	ug/kg	130
Azinphos-methyl (Guthion)	ND	ug/kg	1300

Percent Moisture is 20%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Jennifer Neeley

Approved By: Marcia Reed

The cover letter is an integral part of this report.

Rev 230787

Organophosphate Pesticides

Method 8140

Client Name: New York State DEC
Client ID: TRCMS
Lab ID: 055325-0003-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 30 OCT 90

Parameter	Result	Dry weight Reporting	
		Units	Limit
Phosdrin	ND	ug/kg	120
Phorate (Thimet)	ND	ug/kg	120
Diazinon	ND	ug/kg	120
Disyston	ND	ug/kg	120
Dimethoate	ND	ug/kg	120
Baytex (Fenthion)	ND	ug/kg	120
Dursban (Chlorpyrifos)	ND	ug/kg	120
Methyl parathion	ND	ug/kg	120
Malathion	ND	ug/kg	120
Ethyl parathion	ND	ug/kg	120
DEF	ND	ug/kg	120
Ethion	ND	ug/kg	120
Carbophenothion (Trithion)	ND	ug/kg	120
Azinphos-methyl (Guthion)	ND	ug/kg	1200

Percent Moisture is 13%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Jennifer Neeley

Approved By: Marcia Reed

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Organophosphate Pesticides

Method 8140

Client Name: New York State DEC
Client ID: TRC11A
Lab ID: 055325-0004-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 30 OCT 90

Parameter	Result	Dry weight Reporting	
		Units	Limit
Phosdrin	ND	ug/kg	120
Phorate (Thimet)	ND	ug/kg	120
Diazinon	ND	ug/kg	120
Disyston	ND	ug/kg	120
Dimethoate	ND	ug/kg	120
Baytex (Fenthion)	ND	ug/kg	120
Dursban (Chlorpyrifos)	ND	ug/kg	120
Methyl parathion	ND	ug/kg	120
Malathion	ND	ug/kg	120
Ethyl parathion	ND	ug/kg	120
DEF	ND	ug/kg	120
Ethion	ND	ug/kg	120
Carbophenothion (Trithion)	ND	ug/kg	120
Azinphos-methyl (Guthion)	ND	ug/kg	1200

Percent Moisture is 19%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Jennifer Neeley

Approved By: Marcia Reed

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Organophosphate Pesticides

Enseco
A CAMPBELL COMPANY

Method 8140

Client Name: New York State DEC
Client ID: TRC118
Lab ID: 055325-0005-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 31 OCT 90

Parameter	Result	Dry weight Units	Reporting Limit
Phosdrin	ND	ug/kg	110
Phorate (Thimet)	ND	ug/kg	110
Diazinon	ND	ug/kg	110
Disyston	ND	ug/kg	110
Dimethoate	ND	ug/kg	110
Baytex (Fenthion)	ND	ug/kg	110
Dursban (Chlorpyrifos)	ND	ug/kg	110
Methyl parathion	ND	ug/kg	110
Malathion	ND	ug/kg	110
Ethyl parathion	ND	ug/kg	110
DEF	ND	ug/kg	110
Ethion	ND	ug/kg	110
Carbophenothion (Trithion)	ND	ug/kg	110
Azinphos-methyl (Guthion)	ND	ug/kg	1100

Percent Moisture is 13%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Jennifer Neeley

Approved By: Marcia Reed

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Organophosphate Pesticides

Method 8140

Client Name: New York State DEC
 Client ID: TRC12A
 Lab ID: 055325-0006-SA
 Matrix: SOIL
 Authorized: 20 OCT 90

Sampled: 18 OCT 90
 Prepared: 22 OCT 90

Received: 19 OCT 90
 Analyzed: 30 OCT 90

Parameter	Result	Dry weight Reporting	
		Units	Limit
Phosdrin	ND	ug/kg	130
Phorate (Thimet)	ND	ug/kg	130
Diazinon	ND	ug/kg	130
Disyston	ND	ug/kg	130
Dimethoate	ND	ug/kg	130
Baytex (Fenthion)	ND	ug/kg	130
Dursban (Chlorpyrifos)	ND	ug/kg	130
Methyl parathion	ND	ug/kg	130
Malathion	ND	ug/kg	130
Ethyl parathion	ND	ug/kg	130
DEF	ND	ug/kg	130
Ethion	ND	ug/kg	130
Carbophenothion (Trithion)	ND	ug/kg	1300
Azinphos-methyl (Guthion)	ND	ug/kg	1300

Percent Moisture is 22%. All results and limits are reported on a dry weight basis.

ND = Not detected
 NA = Not applicable

Reported By: Jennifer Neeley

Approved By: Marcia Reed

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Organophosphate Pesticides

Method 8140

Client Name: New York State DEC
Client ID: TRC128
Lab ID: 055325-0007-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 30 OCT 90

Parameter	Result	Dry weight Units	Reporting Limit
Phosdrin	ND	ug/kg	130
Phorate (Thimet)	ND	ug/kg	130
Diazinon	ND	ug/kg	130
Disyston	ND	ug/kg	130
Dimethoate	ND	ug/kg	130
Baytex (Fenthion)	ND	ug/kg	130
Dursban (Chlorpyrifos)	ND	ug/kg	130
Methyl parathion	ND	ug/kg	130
Malathion	ND	ug/kg	130
Ethyl parathion	ND	ug/kg	130
DEF	ND	ug/kg	130
Ethion	ND	ug/kg	130
Carbophenothion (Trithion)	ND	ug/kg	130
Azinphos-methyl (Guthion)	ND	ug/kg	1300

Percent Moisture is 22%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Jennifer Neeley

Approved By: Marcia Reed

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Organophosphate Pesticides

Method 8140

Client Name: New York State DEC
Client ID: TRC22A
Lab ID: 055325-0008-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 31 OCT 90

Parameter	Result	Dry weight Reporting Units	Limit
Phosdrin	ND	ug/kg	120
Phorate (Thimet)	ND	ug/kg	120
Diazinon	ND	ug/kg	120
Disyston	ND	ug/kg	120
Dimethoate	ND	ug/kg	120
Baytex (Fenthion)	ND	ug/kg	120
Dursban (Chlorpyrifos)	ND	ug/kg	120
Methyl parathion	ND	ug/kg	120
Malathion	ND	ug/kg	120
Ethyl parathion	ND	ug/kg	120
DEF	ND	ug/kg	120
Ethion	ND	ug/kg	120
Carbophenothion (Trithion)	ND	ug/kg	120
Azinphos-methyl (Guthion)	ND	ug/kg	1200

Percent Moisture is 18%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Jennifer Neeley

Approved By: Marcia Reed

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Organophosphate Pesticides

Method 8140

Client Name: New York State DEC
Client ID: TRC22B
Lab ID: 055325-0009-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90
Received: 19 OCT 90
Analyzed: 31 OCT 90

Parameter	Result	Dry weight Reporting	
		Units	Limit
Phosdrin	ND	ug/kg	130
Phorate (Thimet)	ND	ug/kg	130
Diazinon	ND	ug/kg	130
Disyston	ND	ug/kg	130
Dimethoate	ND	ug/kg	130
Baytex (Fenthion)	ND	ug/kg	130
Dursban (Chlorpyrifos)	ND	ug/kg	130
Methyl parathion	ND	ug/kg	130
Malathion	ND	ug/kg	130
Ethyl parathion	ND	ug/kg	130
DEF	ND	ug/kg	130
Ethion	ND	ug/kg	130
Carbophenothion (Trithion)	ND	ug/kg	130
Azinphos-methyl (Guthion)	ND	ug/kg	1300

Percent Moisture is 20%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Jennifer Neeley Approved By: Marcia Reed

The cover letter is an integral part of this report.
Rev 230787

Organophosphate Pesticides

Method 614

Client Name: New York State DEC
Client ID: TRSW1
Lab ID: 055325-0010-SA
Matrix: AQUEOUS
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 13 NOV 90

Parameter	Result	Units	Reporting Limit
Phosdrin	ND	ug/L	1.0
Phorate (Thimet)	ND	ug/L	1.0
Diazinon	ND	ug/L	1.0
Disyston	ND	ug/L	1.0
Dimethoate	ND	ug/L	1.0
Baytex (Fenthion)	ND	ug/L	1.0
Dursban (Chlorpyrifos)	ND	ug/L	1.0
Methyl parathion	ND	ug/L	1.0
Malathion	ND	ug/L	1.0
Ethyl parathion	ND	ug/L	1.0
DEF	ND	ug/L	1.0
Ethion	ND	ug/L	1.0
Carbophenothion (Trithion)	ND	ug/L	1.0
Azinphos-methyl (Guthion)	ND	ug/L	10

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Marcia Reed

The cover letter is an integral part of this report.
Rev 230787

Organophosphate Pesticides

Method 614

Client Name: New York State DEC
Client ID: TRSW2
Lab ID: 055325-0011-SA
Matrix: AQUEOUS
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 13 NOV 90

Parameter	Result	Units	Reporting Limit
Phosdrin	ND	ug/L	1.0
Phorate (Thimet)	ND	ug/L	1.0
Diazinon	ND	ug/L	1.0
Disyston	ND	ug/L	1.0
Dimethoate	ND	ug/L	1.0
Baytex (Fenthion)	ND	ug/L	1.0
Dursban (Chlorpyrifos)	ND	ug/L	1.0
Methyl parathion	ND	ug/L	1.0
Malathion	ND	ug/L	1.0
Ethyl parathion	ND	ug/L	1.0
DEF	ND	ug/L	1.0
Ethion	ND	ug/L	1.0
Carbophenothion (Trithion)	ND	ug/L	1.0
Azinphos-methyl (Guthion)	ND	ug/L	10

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Marcia Reed

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Organophosphate Pesticides

Method 8140

Client Name: New York State DEC
Client ID: TRSD1
Lab ID: 055325-0012-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 30 OCT 90

Parameter	Result	Dry weight Reporting	
		Units	Limit
Phosdrin	ND	ug/kg	160
Phorate (Thimet)	ND	ug/kg	160
Diazinon	ND	ug/kg	160
Disyston	ND	ug/kg	160
Dimethoate	ND	ug/kg	160
Baytex (Fenthion)	ND	ug/kg	160
Dursban (Chlorpyrifos)	ND	ug/kg	160
Methyl parathion	ND	ug/kg	160
Malathion	ND	ug/kg	160
Ethyl parathion	ND	ug/kg	160
DEF	ND	ug/kg	160
Ethion	ND	ug/kg	160
Carbophenothion (Trithion)	ND	ug/kg	160
Azinphos-methyl (Guthion)	ND	ug/kg	1600

Percent Moisture is 37%. All results and limits are reported on a dry weight basis.

ND = Not detected
NA = Not applicable

Reported By: Jennifer Neeley

Approved By: Marcia Reed

The cover letter is an integral part of this report.

Rev 230787

ID
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC1B

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR1B

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-01

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 16 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/03/90

GPC Cleanup: (Y/N) N pH: 7.8

Dilution Factor: 10.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

319-84-6	alpha-BHC	95	U
319-85-7	beta-BHC	95	U
319-86-8	delta-BHC	95	U
58-89-9	Lindane	95	U
76-44-8	Heptachlor	95	U
309-00-2	Aldrin	95	U
1024-57-3	Heptachlor epoxide	95	U
959-98-8	Endosulfan I	95	U
60-57-1	Dieldrin	120	J
72-55-9	4,4'-DDE	150	J
72-20-8	Endrin	190	U
33213-65-9	Endosulfan II	190	U
72-54-8	4,4'-DDD	2000	
1031-07-8	Endosulfan sulfate	190	J
50-29-3	4,4'-DDT	3900	
72-43-5	methoxychlor	950	U
53494-70-5	Endrin ketone	190	U
5103-71-9	alpha-Chlordane	120	J
5103-74-2	beta-Chlordane	130	J
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	950	U
11104-28-2	Aroclor-1221	950	U
11141-16-5	Aroclor-1232	950	U
53469-21-9	Aroclor-1242	950	U
12672-29-6	Aroclor-1248	950	U
11097-69-1	Aroclor-1254	1900	U
11096-82-5	Aroclor-1260	1900	U

FORM I PEST

1/87 Rev.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC1BDL

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR1B

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-01DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 16 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/04/90

GPC Cleanup: (Y/N) N pH: 7.8

Dilution Factor: 100

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	950	U
319-85-7	beta-BHC	950	U
319-86-8	delta-BHC	950	U
58-89-9	Lindane	950	U
76-44-8	Heptachlor	950	U
309-00-2	Aldrin	950	U
1024-57-3	Heptachlor epoxide	950	U
959-98-8	Endosulfan I	950	U
60-57-1	Dieldrin	1900	U
72-55-9	4,4'-DDE	1900	U
72-20-8	Endrin	1900	U
33213-65-9	Endosulfan II	1900	U
72-54-8	4,4'-DDD	3200	D
1031-07-8	Endosulfan sulfate	1900	U
50-29-3	4,4'-DDT	6500	D
72-43-5	Methoxychlor	9500	U
53494-70-5	Endrin ketone	1900	U
5103-71-9	alpha-Chlordane	9500	U
5103-74-2	beta-Chlordane	9500	U
8001-35-2	Toxaphene	19000	U
12674-11-2	Aroclor-1016	9500	U
11104-28-2	Aroclor-1221	9500	U
11141-16-5	Aroclor-1232	9500	U
53469-21-9	Aroclor-1242	9500	U
12672-29-6	Aroclor-1248	9500	U
11097-69-1	Aroclor-1254	19000	U
11096-82-5	Aroclor-1260	19000	U

FORM I PEST

1/87 Rev.

ID
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC9A

Lab Name: ENSECO-CAL Contract:
 Lab Code: ENSECO Case No.: 55325 SAS No.: SDG No.: TCR1B
 Matrix: (soil/water) SOIL Lab Sample ID: 55325-02
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: NA
 Level: (low/med) LOW Date Received: 10/20/90
 % Moisture: not dec. 20 dec. Date Extracted: 10/22/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/90
 GPC Cleanup: (Y/N) N pH: 8.1 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	100	U
319-85-7	beta-BHC	100	U
319-86-8	delta-BHC	100	U
58-89-9	Lindane	100	U
76-44-8	Heptachlor	100	U
309-00-2	Aldrin	100	U
1024-57-3	Heptachlor epoxide	100	U
959-98-8	Endosulfan I	100	U
60-57-1	Dieldrin	200	U
72-55-9	4,4'-DDE	220	
72-20-8	Endrin	200	U
33213-65-9	Endosulfan II	200	U
72-54-8	4,4'-DDD	250	
1031-07-8	Endosulfan sulfate	200	U
50-29-3	4,4'-DDT	360	
72-43-5	Methoxychlor	1000	U
53494-70-5	Endrin ketone	200	U
5103-71-9	alpha-Chlordane	1000	U
5103-74-2	beta-Chlordane	1000	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	1000	U
11104-28-2	Aroclor-1221	1000	U
11141-16-5	Aroclor-1232	1000	U
53469-21-9	Aroclor-1242	1000	U
12672-29-6	Aroclor-1248	1000	U
11097-69-1	Aroclor-1254	2000	U
11096-82-5	Aroclor-1260	2000	U

ID
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC9ADL

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR18

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-02DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 20 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/05/90

GPC Cleanup: (Y/N) N pH: 8.1

Dilution Factor: 50.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

319-84-6	alpha-BHC	500	U
319-85-7	beta-BHC	500	U
319-86-8	delta-BHC	500	U
58-89-9	Lindane	500	U
76-44-8	Heptachlor	500	U
309-00-2	Aldrin	500	U
1024-57-3	Heptachlor epoxide	500	U
959-98-8	Endosulfan I	500	U
60-57-1	Dieldrin	1000	U
72-55-9	4,4'-DDE	1000	U
72-20-8	Endrin	1000	DU
33213-65-9	Endosulfan II	1000	U
72-54-8	4,4'-DDD	1000	U
1031-07-8	Endosulfan sulfate	1000	U
50-29-3	4,4'-DDT	1000	U
72-43-5	Methoxychlor	5000	DU
53494-70-5	Endrin ketone	1000	DU
5103-71-9	alpha-Chlordane	5000	U
5103-74-2	beta-Chlordane	5000	U
8001-35-2	Toxaphene	10000	DU
12674-11-2	Aroclor-1016	5000	U
11104-28-2	Aroclor-1221	5000	U
11141-16-5	Aroclor-1232	5000	U
53469-21-9	Aroclor-1242	5000	U
12672-29-6	Aroclor-1248	5000	DU
11097-69-1	Aroclor-1254	10000	DU
11096-82-5	Aroclor-1260	10000	DU

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ID
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EPA SAMPLE NO.

TRCMS

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR18

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-03

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 13 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/04/90

DPE Cleanup: (Y/N) N pH: 7.8

Dilution Factor: 10.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	92	U
319-85-7	beta-BHC	92	U
319-86-8	delta-BHC	92	U
58-89-9	Lindane	92	U
76-44-8	Heptachlor	92	U
309-00-2	Aldrin	92	U
1024-57-3	Heptachlor epoxide	92	U
959-98-8	Endosulfan I	92	U
60-57-1	Dieldrin	180	U
72-55-9	4,4'-DDE	180	U
72-20-8	Endrin	180	U
33213-65-9	Endosulfan II	180	U
72-54-8	4,4'-DDD	2000	U
1031-07-8	Endosulfan sulfate	180	U
50-29-3	4,4'-DDT	2100	U
72-43-5	Methoxychlor	920	U
53494-70-5	Endrin ketone	180	U
5103-71-9	alpha-Chlordane	920	U
5103-74-2	beta-Chlordane	920	U
8001-35-2	Toxaphene	1800	U
12674-11-2	Aroclor-1016	920	U
11104-28-2	Aroclor-1221	920	U
11141-16-5	Aroclor-1232	920	U
53469-21-9	Aroclor-1242	920	U
12672-29-6	Aroclor-1248	920	U
11097-69-1	Aroclor-1254	1800	U
11096-82-5	Aroclor-1260	1800	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Sample Name: ENSECO-CAL

Contract:

TRCMSOL

Sample Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR1B

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-03DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

Moisture: not dec. 13 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/04/90

C Cleanup: (Y/N) N pH: 7.8

Dilution Factor: 100

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	920	U
319-85-7	beta-BHC	920	U
319-86-8	delta-BHC	920	U
58-89-9	Lindane	920	U
76-44-8	Heptachlor	920	U
309-00-2	Aldrin	920	U
1024-57-3	Heptachlor epoxide	920	U
959-98-8	Endosulfan I	920	U
60-57-1	Dieldrin	1800	DU
72-55-9	4,4'-DDE	1800	DU
72-20-8	Endrin	1800	DU
33213-65-9	Endosulfan II	1800	DU
72-54-8	4,4'-DDD	1100	DJ
1031-07-8	Endosulfan sulfate	1800	U
50-29-3	4,4'-DDT	2900	D
72-43-5	Methoxychlor	9200	U
53494-70-5	Endrin ketone	1800	U
5103-71-9	alpha-Chlordane	9200	U
5103-74-2	beta-Chlordane	9200	U
8001-35-2	Toxaphene	18000	DU
12674-11-2	Aroclor-1016	9200	U
11104-28-2	Aroclor-1221	9200	U
11141-16-5	Aroclor-1232	9200	U
53469-21-9	Aroclor-1242	9200	U
12672-29-6	Aroclor-1248	9200	U
11097-69-1	Aroclor-1254	18000	DU
11096-82-5	Aroclor-1260	18000	DU

ID
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC11A

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR1B

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-04

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 19 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/04/90

GPC Cleanup: (Y/N) N pH: 7.8

Dilution Factor: 10.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

319-84-6	alpha-BHC	99	U
319-85-7	beta-BHC	99	U
319-86-8	delta-BHC	99	U
58-89-9	Lindane	99	U
76-44-8	Heptachlor	99	U
309-00-2	Aldrin	99	U
1024-57-3	Heptachlor epoxide	99	U
959-98-8	Endosulfan I	99	U
60-57-1	Dieldrin	200	U
72-55-9	4,4'-DDE	190	J
72-20-8	Endrin	200	U
33213-65-9	Endosulfan II	200	U
72-54-8	4,4'-DDD	200	U
1031-07-8	Endosulfan sulfate	200	U
50-29-3	4,4'-DDT	200	U
72-43-5	Methoxychlor	990	U
53494-70-5	Endrin ketone	200	U
5103-71-9	alpha-Chlordane	990	U
5103-74-2	beta-Chlordane	990	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	990	U
11104-28-2	Aroclor-1221	990	U
11141-16-5	Aroclor-1232	990	U
53469-21-9	Aroclor-1242	990	U
12672-29-6	Aroclor-1248	990	U
11097-69-1	Aroclor-1254	2000	U
11096-82-5	Aroclor-1260	2000	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC11ADE

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO Case No.: 55325

SAS No.:

SDG No.: TCR1B

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-04DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 19 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/04/90

GPC Cleanup: (Y/N) N pH: 7.8

Dilution Factor: 100

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

319-84-6-----	alpha-BHC	990	U
319-85-7-----	beta-BHC	990	U
319-86-8-----	delta-BHC	990	U
58-89-9-----	Lindane	990	U
76-44-8-----	Heptachlor	990	U
309-00-2-----	Aldrin	990	U
1024-57-3-----	Heptachlor epoxide	990	U
959-98-8-----	Endosulfan I	990	U
60-57-1-----	Dieldrin	2000	DU
72-55-9-----	4,4'-DDE	2000	U
72-20-8-----	Endrin	2000	DU
33213-65-9-----	Endosulfan II	2000	U
72-54-8-----	4,4'-DDD	800	DJ
1031-07-8-----	Endosulfan sulfate	2000	DU
50-29-3-----	4,4'-DOT	2000	DU
72-43-5-----	Methoxychlor	9900	DU
53494-70-5-----	Endrin ketone	2000	U
5103-71-9-----	alpha-Chlordane	9900	U
5103-74-2-----	beta-Chlordane	9900	U
8001-35-2-----	Toxaphene	20000	DU
12674-11-2-----	Aroclor-1016	9900	U
11104-28-2-----	Aroclor-1221	9900	U
11141-16-5-----	Aroclor-1232	9900	U
53469-21-9-----	Aroclor-1242	9900	U
12672-29-6-----	Aroclor-1248	9900	DU
11097-69-1-----	Aroclor-1254	20000	DU
11096-82-5-----	Aroclor-1260	20000	DU

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC118

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR18

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-05

Sample Wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 13 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/04/90

GPC Cleanup: (Y/N) N pH: 7.8

Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

319-84-6	alpha-BHC	92	U
319-85-7	beta-BHC	92	U
319-86-8	delta-BHC	92	U
58-89-9	Lindane	92	U
76-44-8	Heptachlor	92	U
309-00-2	Aldrin	92	U
1024-57-3	Heptachlor epoxide	92	U
959-98-8	Endosulfan I	92	U
60-57-1	Dieldrin	180	U
72-55-9	4,4'-DDE	180	U
72-20-8	Endrin	180	U
33213-65-9	Endosulfan II	180	U
72-54-8	4,4'-DDD	520	
1031-07-8	Endosulfan sulfate	180	U
50-29-3	4,4'-DDT	390	
72-43-5	Methoxychlor	920	U
53494-70-5	Endrin ketone	180	U
5103-71-9	alpha-Chlordane	920	U
5103-74-2	beta-Chlordane	920	U
8001-35-2	Toxaphene	1800	U
12674-11-2	Aroclor-1016	920	U
11104-28-2	Aroclor-1221	920	U
11141-16-5	Aroclor-1232	920	U
53469-21-9	Aroclor-1242	920	U
12672-29-6	Aroclor-1248	920	U
11097-69-1	Aroclor-1254	1800	U
11096-82-5	Aroclor-1260	1800	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC12ADL

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR1B

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-06DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 22 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/05/90

GPC Cleanup: (Y/N) N pH: 8.2

Dilution Factor: 5.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

319-84-6-----alpha-BHC	51	U
319-85-7-----beta-BHC	51	U
319-86-8-----delta-BHC	51	U
58-89-9-----Lindane	51	U
76-44-8-----Heptachlor	51	U
309-00-2-----Aldrin	51	U
1024-57-3-----Heptachlor epoxide	51	U
959-98-8-----Endosulfan I	51	U
60-57-1-----Dieldrin	100	U
72-55-9-----4,4'-DDE	100	U
72-20-8-----Endrin	100	DU
33213-65-9-----Endosulfan II	100	U
72-54-8-----4,4'-DDD	100	U
1031-07-8-----Endosulfan sulfate	100	U
50-29-3-----4,4'-DDT	100	U
72-43-5-----Methoxychlor	510	U
53494-70-5-----Endrin ketone	100	U
5103-71-9-----alpha-Chlordane	510	U
5103-74-2-----beta-Chlordane	510	U
8001-35-2-----Toxaphene	1000	U
12674-11-2-----Aroclor-1016	510	U
11104-28-2-----Aroclor-1221	510	U
11141-16-5-----Aroclor-1232	510	U
53469-21-9-----Aroclor-1242	510	U
12672-29-6-----Aroclor-1248	510	U
11097-69-1-----Aroclor-1254	1000	U
11096-82-5-----Aroclor-1260	1000	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC12B

Lab Name: ENSECO-CAL Contract:
 Lab Code: ENSECO Case No.: 55325 SAS No.: SDG No.: TCR1B
 Matrix: (soil/water) SOIL Lab Sample ID: 55325-07
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: NA
 Level: (low/med) LOW Date Received: 10/20/90
 % Moisture: not dec. 22 dec. Date Extracted: 10/22/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/04/90
 GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	Lindane	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	Endrin	21	U
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	21	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	beta-Chlordane	100	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

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EPA SAMPLE NO.

TRC12BDL

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR1B

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-07DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 22 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/05/90

GPC Cleanup: (Y/N) N pH: 8.0

Dilution Factor: 5.00

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	51	U
319-85-7-----	beta-BHC	51	U
319-86-8-----	delta-BHC	51	U
58-89-9-----	Lindane	51	U
76-44-8-----	Heptachlor	51	U
309-00-2-----	Aldrin	51	U
1024-57-3-----	Heptachlor epoxide	51	U
959-98-8-----	Endosulfan I	51	U
60-57-1-----	Dieldrin	100	U
72-55-9-----	4,4'-DDE	100	U
72-20-8-----	Endrin	100	U
33213-65-9-----	Endosulfan II	100	U
72-54-8-----	4,4'-DDD	100	U
1031-07-8-----	Endosulfan sulfate	100	DU
50-29-3-----	4,4'-DDT	100	DU
72-43-5-----	Methoxychlor	510	U
53494-70-5-----	Endrin ketone	100	U
5103-71-9-----	alpha-Chlordane	510	U
5103-74-2-----	beta-Chlordane	510	U
8001-35-2-----	Toxaphene	1000	U
12674-11-2-----	Aroclor-1016	510	U
11104-28-2-----	Aroclor-1221	510	U
11141-16-5-----	Aroclor-1232	510	U
53469-21-9-----	Aroclor-1242	510	U
12672-29-6-----	Aroclor-1248	510	U
11097-69-1-----	Aroclor-1254	1000	U
11096-82-5-----	Aroclor-1260	1000	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC22A

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR18

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-08

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 13 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/08/90

GPC Cleanup: (Y/N) N pH: 7.8

Dilution Factor: 10.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

319-84-6-----	alpha-BHC	92	U
319-85-7-----	beta-BHC	92	U
319-86-8-----	delta-BHC	92	U
58-89-9-----	Lindane	92	U
76-44-8-----	Heptachlor	92	U
309-00-2-----	Aldrin	92	U
1024-57-3-----	Heptachlor epoxide	92	U
959-98-8-----	Endosulfan I	92	U
60-57-1-----	Dieldrin	180	U
72-55-9-----	4,4'-DDE	180	U
72-20-8-----	Endrin	180	U
33213-65-9-----	Endosulfan II	180	U
72-54-8-----	4,4'-DDD	180	U
1031-07-8-----	Endosulfan sulfate	180	U
50-29-3-----	4,4'-DDT	180	U
72-43-5-----	Methoxychlor	920	U
53494-70-5-----	Endrin ketone	180	U
5103-71-9-----	alpha-Chlordane	920	U
5103-74-2-----	beta-Chlordane	920	U
8001-35-2-----	Toxaphene	1800	U
12674-11-2-----	Aroclor-1016	920	U
11104-28-2-----	Aroclor-1221	920	U
11141-16-5-----	Aroclor-1232	920	U
53469-21-9-----	Aroclor-1242	920	U
12672-29-6-----	Aroclor-1248	920	U
11097-69-1-----	Aroclor-1254	1800	U
11096-82-5-----	Aroclor-1260	1800	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRC22B

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR18

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-09

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 20 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/08/90

GPC Cleanup: (Y/H) N pH: 8.3

Dilution Factor: 10.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	100	U
319-85-7-----	beta-BHC	100	U
319-86-8-----	delta-BHC	100	U
58-89-9-----	Lindane	100	U
76-44-8-----	Heptachlor	100	U
309-00-2-----	Aldrin	100	U
1024-57-3-----	Heptachlor epoxide	100	U
959-98-8-----	Endosulfan I	100	U
60-57-1-----	Dieldrin	200	U
72-55-9-----	4,4'-DDE	200	U
72-20-8-----	Endrin	200	U
33213-65-9-----	Endosulfan II	200	U
72-54-8-----	4,4'-DDD	200	U
1031-07-8-----	Endosulfan sulfate	200	U
50-29-3-----	4,4'-DDT	200	U
72-43-5-----	Methoxychlor	1000	U
53494-70-5-----	Endrin ketone	200	U
5103-71-9-----	alpha-Chlordane	1000	U
5103-74-2-----	beta-Chlordane	1000	U
8001-35-2-----	Toxaphene	2000	U
12674-11-2-----	Aroclor-1016	1000	U
11104-28-2-----	Aroclor-1221	1000	U
11141-16-5-----	Aroclor-1232	1000	U
53469-21-9-----	Aroclor-1242	1000	U
12672-29-6-----	Aroclor-1248	1000	U
11097-69-1-----	Aroclor-1254	2000	U
11096-82-5-----	Aroclor-1260	2000	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

FPA SAMPLE NO.

TRSDI

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR18

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-12

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec: 37 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/08/90

GPC Cleanup: (Y/N) N pH: 8.0

Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	13	U
319-85-7	beta-BHC	13	U
319-86-8	delta-BHC	13	U
58-89-9	Lindane	13	U
76-44-8	Heptachlor	13	U
309-00-2	Aldrin	13	U
1024-57-3	Heptachlor epoxide	13	U
959-98-8	Endosulfan I	13	U
60-57-1	Dieldrin	25	U
72-55-9	4,4'-DDE	25	U
72-20-8	Endrin	25	U
33213-65-9	Endosulfan II	25	U
72-54-8	4,4'-DDD	25	U
1031-07-8	Endosulfan sulfate	25	U
50-29-3	4,4'-DDT	25	U
72-43-5	Methoxychlor	130	U
53494-70-5	Endrin ketone	25	U
5103-71-9	alpha-Chlordane	130	U
5103-74-2	beta-Chlordane	130	U
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	130	U
11104-28-2	Aroclor-1221	130	U
11141-16-5	Aroclor-1232	130	U
53469-21-9	Aroclor-1242	130	U
12672-29-6	Aroclor-1248	130	U
11097-69-1	Aroclor-1254	250	U
11096-82-5	Aroclor-1260	250	U

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EPA SAMPLE NO.

PBLX02

Lab Name: ENSECO-CAL Contract:
 Lab Code: ENSECO Case No.: 55325 SAS No.: SDG No.: TCR1B
 Matrix: (soil/water) SOIL Lab Sample ID: 55325-MB02
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: NA
 Level: (low/med) LOW Date Received:
 % Moisture: not dec. dec. Date Extracted: 10/22/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/90
 GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	Lindane	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	80	U
5103-74-2	beta-Chlordane	80	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	80	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	80	U
12672-29-6	Aroclor-1248	80	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03

Lab Name: ENSECO-CAL Contract:
 Lab Code: ENSECO Case No.: 55325 SAS No.: SDG No.: TCR1B
 Matrix: (soil/water) SOIL Lab Sample ID: 55325-MB03
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: NA
 Level: (low/med) LOW Date Received:
 % Moisture: not dec. dec. Date Extracted: 10/22/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/08/90
 GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	Lindane	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin ketone	16	U
5103-71-9	alpha-Chlordane	80	U
5103-74-2	beta-Chlordane	80	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	80	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	80	U
12672-29-6	Aroclor-1248	80	U
11097-69-1	Aroclor-1254	160	U
11096-82-5	Aroclor-1260	160	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRCMSms

11/20/90

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR1B

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-03MS

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 13 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/90

GPC Cleanup: (Y/N) N

pH: 7.8

Dilution Factor: 100

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

319-84-6	alpha-BHC	920	U
319-85-7	beta-BHC	920	U
319-86-8	delta-BHC	920	U
58-89-9	Lindane	920	U
76-44-8	Heptachlor	920	U
309-00-2	Aldrin	920	U
1024-57-3	Heptachlor epoxide	920	U
959-98-8	Endosulfan I	920	U
60-57-1	Dieldrin	1800	U
72-55-9	4,4'-DDE	1800	U
72-20-8	Endrin	1800	U
33213-65-9	Endosulfan II	1800	U
72-54-8	4,4'-DDD	320	J
1031-07-8	Endosulfan sulfate	1800	U
50-29-3	4,4'-DDT	1800	U
72-43-5	Methoxychlor	9200	U
53494-70-5	Endrin ketone	1800	U
5103-71-9	alpha-Chlordane	9200	U
5103-74-2	beta-Chlordane	9200	U
8001-35-2	Toxaphene	18000	U
12674-11-2	Aroclor-1016	9200	U
11104-28-2	Aroclor-1221	9200	U
11141-16-5	Aroclor-1232	9200	U
53469-21-9	Aroclor-1242	9200	U
12672-29-6	Aroclor-1248	9200	U
11097-69-1	Aroclor-1254	18000	U
11096-82-5	Aroclor-1260	18000	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRCMSMSD

11/20/90

Lab Name: ENSECO-CAL

Contract:

Lab Code: ENSECO

Case No.: 55325

SAS No.:

SDG No.: TCR1B

Matrix: (soil/water) SOIL

Lab Sample ID: 55325-03MSD

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: NA

Level: (low/med) LOW

Date Received: 10/20/90

% Moisture: not dec. 13 dec.

Date Extracted: 10/22/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 11/09/90

GPC Cleanup: (Y/N) N pH: 7.8

Dilution Factor: 100

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	920	U
319-85-7-----	beta-BHC	920	U
319-86-8-----	delta-BHC	920	U
58-89-9-----	Lindane	920	U
76-44-8-----	Heptachlor	920	U
309-00-2-----	Aldrin	920	U
1024-57-3-----	Heptachlor epoxide	920	U
959-98-8-----	Endosulfan I	920	U
60-57-1-----	Dieldrin	1800	U
72-55-9-----	4,4'-DDE	1800	U
72-20-8-----	Endrin	1800	U
33213-65-9-----	Endosulfan II	1800	U
72-54-8-----	4,4'-DDD	280	J
1031-07-8-----	Endosulfan sulfate	1800	U
50-29-3-----	4,4'-DDT	1800	U
72-43-5-----	Methoxychlor	9200	U
53494-70-5-----	Endrin ketone	1800	U
5103-71-9-----	alpha-Chlordane	9200	U
5103-74-2-----	beta-Chlordane	9200	U
8001-35-2-----	Toxaphene	18000	U
12674-11-2-----	Aroclor-1016	9200	U
11104-28-2-----	Aroclor-1221	9200	U
11141-16-5-----	Aroclor-1232	9200	U
53469-21-9-----	Aroclor-1242	9200	U
12672-29-6-----	Aroclor-1248	9200	U
11097-69-1-----	Aroclor-1254	18000	U
11096-82-5-----	Aroclor-1260	18000	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRSW1

Lab Name: ENSECO-CAL Contract:
Lab Code: ENSECO Case No.: 55325 SAS No.: SDG No.: TCR1B
Matrix: (soil/water) WATER Lab Sample ID: 55325-10
Sample wt/vol: 1000 (g/mL) ML Lab File ID: NA
Level: (low/med) LOW Date Received: 10/20/90
% Moisture: not dec. dec. Date Extracted: 10/22/90
Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/02/90
GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	Lindane	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
5103-71-9-----	alpha-Chlordane	0.50	U
5103-74-2-----	beta-Chlordane	0.50	U
8001-35-2-----	Toxaphene	1.0	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	0.50	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRSW2

Lab Name: ENSECO-CAL Contract:
Lab Code: ENSECO Case No.: 55325 SAS No.: SDG No.: TCR1B
Matrix: (soil/water) WATER Lab Sample ID: 55325-11
Sample wt/vol: 1000 (g/mL) ML Lab File ID: NA
Level: (low/med) LOW Date Received: 10/20/90
% Moisture: not dec. dec. Date Extracted: 10/22/90
Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 11/02/90
GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	Lindane	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
5103-71-9-----	alpha-Chlordane	0.50	U
5103-74-2-----	beta-Chlordane	0.50	U
8001-35-2-----	Toxaphene	1.0	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	0.50	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

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Chlorinated Phenoxyacid Herbicides

Enseco
A Chemagro Company

Method 8150

Client Name: New York State DEC
Client ID: TRC1B
Lab ID: 055325-0001-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 06 NOV 90

Parameter	Result	dry weight Units	Reporting Limit
2,4-D	ND	ug/kg	30
Fenac	ND	ug/kg	16
2,4,5-TP (Silvex)	ND	ug/kg	6.0
2,4,5-T	ND	ug/kg	6.0
MCP	ND	ug/kg	6000
MCPA	ND	ug/kg	6000

Percent Moisture is 16%. All results and limits are reported on a dry weight basis.

Note h : Reporting limit changed due to high background in the preparation blank.

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.
Rev 230787

Chlorinated Phenoxyacid Herbicides

Method 8150

Client Name: New York State DEC
Client ID: TRC9A
Lab ID: 055325-0002-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 06 NOV 90

Parameter	Result	dry weight Units	Reporting Limit	
2,4-D	ND	ug/kg	31	
Fenac	ND	ug/kg	16	
2,4,5-TP (Silvex)	ND	ug/kg	6.3	
2,4,5-T	ND	ug/kg	6.3	
MCP	ND	ug/kg	6300	
MCPA	ND	ug/kg	6300	

Percent Moisture is 20%. All results and limits are reported on a dry weight basis.

Note h : Reporting limit changed due to high background in the preparation blank.

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.
Rev 230787

Chlorinated Phenoxyacid Herbicides

Method 8150

Client Name: New York State DEC
Client ID: TRCMS
Lab ID: 055325-0003-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 06 NOV 90

Parameter	Result	dry weight Units	Reporting Limit	
2,4-D	ND	ug/kg	29	
Fenac	ND	ug/kg	15	h
2,4,5-TP (Silvex)	ND	ug/kg	5.8	
2,4,5-T	ND	ug/kg	150	G
MCP	ND	ug/kg	5800	
MCPA	ND	ug/kg	5800	

Percent Moisture is 13%. All results and limits are reported on a dry weight basis.

Note h : Reporting limit changed due to high background in the preparation blank.

Note G : Reporting Limit raised due to matrix interference.

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.

Rev 230787

Chlorinated Phenoxyacid Herbicides

Method 8150

Client Name: New York State DEC
Client ID: TRC11A
Lab ID: 055325-0004-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 06 NOV 90

Parameter	Result	dry weight Units	Reporting Limit	
2,4-D	ND	ug/kg	31	
Fenac	ND	ug/kg	16	h
2,4,5-TP (Silvex)	ND	ug/kg	6.2	
2,4,5-T	ND	ug/kg	62	G
MCP	ND	ug/kg	6200	
MCPA	ND	ug/kg	6200	

Percent Moisture is 19%. All results and limits are reported on a dry weight basis.

Note h : Reporting limit changed due to high background in the preparation blank.

Note G : Reporting Limit raised due to matrix interference.

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.

Rev 230787

Chlorinated Phenoxyacid Herbicides

Method 8150

Client Name: New York State DEC
Client ID: TRC11B
Lab ID: 055325-0005-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 06 NOV 90

Parameter	Result	dry weight Reporting	
		Units	Limit
2,4-D	ND	ug/kg	29
Fenac	ND	ug/kg	15
2,4,5-TP (Silvex)	ND	ug/kg	5.7
2,4,5-T	ND	ug/kg	57
MCP	ND	ug/kg	5700
MCPA	ND	ug/kg	5700

Percent Moisture is 13%. All results and limits are reported on a dry weight basis.

Note h : Reporting limit changed due to high background in the preparation blank.

Note G : Reporting Limit raised due to matrix interference.

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell Approved By: Tom MacClanahan

The cover letter is an integral part of this report.

Rev 230787

Chlorinated Phenoxyacid Herbicides

Method 8150

Client Name: New York State DEC
 Client ID: TRC12A
 Lab ID: 055325-0006-SA
 Matrix: SOIL
 Authorized: 20 OCT 90

Sampled: 18 OCT 90
 Prepared: 22 OCT 90
 Received: 19 OCT 90
 Analyzed: 06 NOV 90

Parameter	Result	dry weight Units	Reporting Limit	
2,4-D	ND	ug/kg	32	
Fenac	ND	ug/kg	17	
2,4,5-TP (Silvex)	ND	ug/kg	6.4	h
2,4,5-T	ND	ug/kg	6.4	
MCPP	ND	ug/kg	6400	
MCPA	ND	ug/kg	6400	

Percent Moisture is 22%. All results and limits are reported on a dry weight basis.

Note h : Reporting limit changed due to high background in the preparation blank.

ND = Not detected
 NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.

Rev 230787

Chlorinated Phenoxyacid Herbicides

Method 8150

Client Name: New York State DEC
Client ID: TRC12B
Lab ID: 055325-0007-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 06 NOV 90

Parameter	Result	dry weight Units	Reporting Limit	
2,4-D	ND	ug/kg	32	
Fenac	ND	ug/kg	17	
2,4,5-TP (Silvex)	ND	ug/kg	6.4	h
2,4,5-T	ND	ug/kg	6.4	
MCP	ND	ug/kg	6400	
MCPA	ND	ug/kg	6400	

Percent Moisture is 22%. All results and limits are reported on a dry weight basis.

Note h : Reporting limit changed due to high background in the preparation blank.

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.

247-230787

Chlorinated Phenoxyacid Herbicides

Method 8150

Client Name: New York State DEC
 Client ID: TRC22A
 Lab ID: 055325-0008-SA
 Matrix: SOIL
 Authorized: 20 OCT 90

Sampled: 18 OCT 90
 Prepared: 22 OCT 90

Received: 19 OCT 90
 Analyzed: 06 NOV 90

Parameter	Result	dry weight Reporting	
		Units	Limit
2,4-D	ND	ug/kg	30
Fenac	ND	ug/kg	16
2,4,5-TP (Silvex)	ND	ug/kg	6.1
2,4,5-T	ND	ug/kg	6.1
MCPP	ND	ug/kg	6100
MCPA	ND	ug/kg	6100

h

Percent Moisture is 18%. All results and limits are reported on a dry weight basis.

Note h : Reporting limit changed due to high background in the preparation blank.

ND = Not detected
 NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.
 Rev 230787

Chlorinated Phenoxyacid Herbicides

Method 8150

Client Name: New York State DEC

Client ID: TRC22B

Lab ID: 055325-0009-SA

Matrix: SOIL

Authorized: 20 OCT 90

Sampled: 18 OCT 90

Prepared: 22 OCT 90

Received: 19 OCT 90

Analyzed: 06 NOV 90

Parameter	Result	dry weight Units	Reporting Limit	
2,4-D	ND	ug/kg	31	
Fenac	ND	ug/kg	16	h
2,4,5-TP (Silvex)	ND	ug/kg	6.3	
2,4,5-T	ND	ug/kg	6.3	
MCP	ND	ug/kg	6300	
MCPA	ND	ug/kg	6300	

Percent Moisture is 20%. All results and limits are reported on a dry weight basis.

Note h : Reporting limit changed due to high background in the preparation blank.

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.

Rev 230787

HSL Chlorinated Phenoxyacid Herbicides

Method 615

Client Name: New York State DEC
Client ID: TRSW1
Lab ID: 055325-0010-SA
Matrix: AQUEOUS
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 05 NOV 90

Parameter	Result	Units	Reporting Limit	
2,4-D	ND	ug/L	0.25	
Fenac	ND	ug/L	0.15	h
2,4,5-TP (Silvex)	ND	ug/L	0.050	
2,4,5-T	ND	ug/L	0.050	
MCP	ND	ug/L	50	
MCPA	ND	ug/L	50	

Note h : Reporting limit changed due to high background in the preparation blank.

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.
Rev 230787

HSL Chlorinated Phenoxyacid Herbicides

Method 615

Client Name: New York State DEC
Client ID: TRSW2
Lab ID: 055325-0011-SA
Matrix: AQUEOUS
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 05 NOV 90

Parameter	Result	Units	Reporting Limit
2,4-D	ND	ug/L	0.25
Fenac	ND	ug/L	0.15
2,4,5-TP (Silvex)	ND	ug/L	0.050
2,4,5-T	ND	ug/L	0.050
MCP	ND	ug/L	50
MCPA	ND	ug/L	50

Note h : Reporting limit changed due to high background in the preparation blank.

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.
Rev 230787

Chlorinated Phenoxyacid Herbicides

Method 8150

Client Name: New York State DEC
Client ID: TRSD1
Lab ID: 055325-0012-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: 22 OCT 90

Received: 19 OCT 90
Analyzed: 06 NOV 90

Parameter	Result	dry weight Units	Reporting Limit
2,4-D	ND	ug/kg	40
Fenac	ND	ug/kg	21
2,4,5-TP (Silvex)	ND	ug/kg	7.9
2,4,5-T	ND	ug/kg	7.9
MCPP	ND	ug/kg	7900
MCPA	ND	ug/kg	7900

Percent Moisture is 37%. All results and limits are reported on a dry weight basis.

Note h : Reporting limit changed due to high background in the preparation blank.

ND = Not detected
NA = Not applicable

Reported By: Sharon Campbell

Approved By: Tom MacClanahan

The cover letter is an integral part of this report.
Rev 230787

EP Toxicity Characteristic Metals
EP Leachate

Client Name: New York State DEC
Client ID: TRC1B
Lab ID: 055325-0001-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: See Below

Received: 19 OCT 90
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Barium	ND	mg/L	5.0	6010	31 OCT 90	01 NOV 90
Cadmium	ND	mg/L	0.050	6010	31 OCT 90	01 NOV 90
Chromium	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Lead	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Mercury	ND	mg/L	0.020	7470	29 OCT 90	30 OCT 90
Selenium	ND	mg/L	0.050	7740	31 OCT 90	05 NOV 90
Silver	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90

ND = Not detected
NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Votaw

The cover letter is an integral part of this report.
Rev 230787

EP Toxicity Characteristic Metals
EP Leachate

Client Name: New York State DEC
Client ID: TRC9A
Lab ID: 055325-0002-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: See Below

Received: 19 OCT 90
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Barium	ND	mg/L	5.0	6010	31 OCT 90	01 NOV 90
Cadmium	ND	mg/L	0.050	6010	31 OCT 90	01 NOV 90
Chromium	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Lead	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Mercury	ND	mg/L	0.020	7470	29 OCT 90	30 OCT 90
Selenium	ND	mg/L	0.050	7740	31 OCT 90	05 NOV 90
Silver	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90

ND = Not detected
NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Votaw

The cover letter is an integral part of this report.
Rev 230787

EP Toxicity Characteristic Metals
EP Leachate

Client Name: New York State DEC
Client ID: TRCMS
Lab ID: 055325-0003-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: See Below

Received: 19 OCT 90
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	0.50	6010	31 OCT 90	05 NOV 90
Barium	ND	mg/L	5.0	6010	31 OCT 90	05 NOV 90
Cadmium	ND	mg/L	0.050	6010	31 OCT 90	05 NOV 90
Chromium	ND	mg/L	0.50	6010	31 OCT 90	05 NOV 90
Lead	ND	mg/L	0.50	6010	31 OCT 90	05 NOV 90
Mercury	ND	mg/L	0.020	7470	29 OCT 90	30 OCT 90
Selenium	ND	mg/L	0.050	7740	31 OCT 90	05 NOV 90
Silver	ND	mg/L	0.50	6010	31 OCT 90	05 NOV 90

ND = Not detected
NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Votaw

The cover letter is an integral part of this report.
Rev 230787

EP Toxicity Characteristic Metals
EP Leachate

Client Name: New York State DEC
Client ID: TRC11A
Lab ID: 055325-0004-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: See Below

Received: 19 OCT 90
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Barium	ND	mg/L	5.0	6010	31 OCT 90	01 NOV 90
Cadmium	ND	mg/L	0.050	6010	31 OCT 90	01 NOV 90
Chromium	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Lead	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Mercury	ND	mg/L	0.020	7470	29 OCT 90	30 OCT 90
Selenium	ND	mg/L	0.050	7740	31 OCT 90	05 NOV 90
Silver	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90

ND = Not detected
NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Votaw

The cover letter is an integral part of this report.
Rev 230787

EP Toxicity Characteristic Metals
EP Leachate

Client Name: New York State DEC
Client ID: TRC11B
Lab ID: 055325-0005-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: See Below

Received: 19 OCT 90
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Barium	ND	mg/L	5.0	6010	31 OCT 90	01 NOV 90
Cadmium	ND	mg/L	0.050	6010	31 OCT 90	01 NOV 90
Chromium	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Lead	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Mercury	ND	mg/L	0.020	7470	29 OCT 90	30 OCT 90
Selenium	ND	mg/L	0.050	7740	31 OCT 90	05 NOV 90
Silver	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90

ND = Not detected
NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Votaw

The cover letter is an integral part of this report.

Rev. 230787

EP Toxicity Characteristic Metals
EP Leachate

Client Name: New York State DEC
Client ID: TRC12A
Lab ID: 055325-0006-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: See Below

Received: 19 OCT 90
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Barium	ND	mg/L	5.0	6010	31 OCT 90	01 NOV 90
Cadmium	ND	mg/L	0.050	6010	31 OCT 90	01 NOV 90
Chromium	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Lead	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Mercury	ND	mg/L	0.020	7470	29 OCT 90	30 OCT 90
Selenium	ND	mg/L	0.050	7740	31 OCT 90	05 NOV 90
Silver	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90

ND = Not detected
NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Votaw

The cover letter is an integral part of this report.
Rev 230787

EP Toxicity Characteristic Metals
EP Leachate

Client Name: New York State DEC
Client ID: TRC12B
Lab ID: 055325-0007-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: See Below

Received: 19 OCT 90
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Barium	ND	mg/L	5.0	6010	31 OCT 90	01 NOV 90
Cadmium	ND	mg/L	0.050	6010	31 OCT 90	01 NOV 90
Chromium	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Lead	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Mercury	ND	mg/L	0.020	7470	07 NOV 90	07 NOV 90
Selenium	ND	mg/L	0.050	7740	31 OCT 90	05 NOV 90
Silver	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90

ND = Not detected
NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Volaw

The cover letter is an integral part of this report.
Rev 230787

EP Toxicity Characteristic Metals
EP Leachate

Client Name: New York State DEC
Client ID: TRC22A
Lab ID: 055325-0008-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: See Below

Received: 19 OCT 90
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Barium	ND	mg/L	5.0	6010	31 OCT 90	01 NOV 90
Cadmium	ND	mg/L	0.050	6010	31 OCT 90	01 NOV 90
Chromium	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Lead	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Mercury	ND	mg/L	0.020	7470	07 NOV 90	07 NOV 90
Selenium	0.099	mg/L	0.050	7740	31 OCT 90	05 NOV 90
Silver	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90

ND = Not detected
NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Votaw

The cover letter is an integral part of this report.
Rev 230787

EP Toxicity Characteristic Metals
EP Leachate

Client Name: New York State DEC
Client ID: TRC22B
Lab ID: 055325-0009-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: See Below

Received: 19 OCT 90
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Barium	ND	mg/L	5.0	6010	31 OCT 90	01 NOV 90
Cadmium	ND	mg/L	0.050	6010	31 OCT 90	01 NOV 90
Chromium	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Lead	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90
Mercury	ND	mg/L	0.020	7470	07 NOV 90	07 NOV 90
Selenium	ND	mg/L	0.050	7740	31 OCT 90	05 NOV 90
Silver	ND	mg/L	0.50	6010	31 OCT 90	01 NOV 90

ND = Not detected
NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Votaw

The cover letter is an integral part of this report.
Rev 230787

EP Toxicity Characteristic Metals
EP Leachate

Client Name: New York State DEC
Client ID: TRSD1
Lab ID: 055325-0012-SA
Matrix: SOIL
Authorized: 20 OCT 90

Sampled: 18 OCT 90
Prepared: See Below

Received: 19 OCT 90
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	0.50	6010	08 NOV 90	08 NOV 90
Barium	ND	mg/L	5.0	6010	08 NOV 90	08 NOV 90
Cadmium	ND	mg/L	0.050	6010	08 NOV 90	08 NOV 90
Chromium	ND	mg/L	0.50	6010	08 NOV 90	08 NOV 90
Lead	ND	mg/L	0.50	6010	08 NOV 90	08 NOV 90
Mercury	ND	mg/L	0.020	7470	06 NOV 90	06 NOV 90
Selenium	ND	mg/L	0.050	7740	06 NOV 90	07 NOV 90
Silver	ND	mg/L	0.50	6010	08 NOV 90	08 NOV 90

ND = Not detected
NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Votaw

The cover letter is an integral part of this report.

Rev 230787

pH, Paste

Method 9045

Client Name: New York State DEC
Matrix: SOIL
Units: units

Received: 19 OCT 90
Authorized: 20 OCT 90

Lab ID	Client ID	Result	Reporting Limit	Date Prepared	Date Analyzed
055325-0001-SA	TRC1B	7.2	NA	NA	29 OCT 90
055325-0002-SA	TRC9A	7.1	NA	NA	29 OCT 90
055325-0003-SA	TRCMS	7.6	NA	NA	29 OCT 90
055325-0004-SA	TRC11A	7.1	NA	NA	29 OCT 90
055325-0005-SA	TRC11B	7.2	NA	NA	29 OCT 90
055325-0006-SA	TRC12A	7.5	NA	NA	29 OCT 90
055325-0007-SA	TRC12B	7.1	NA	NA	29 OCT 90
055325-0008-SA	TRC22A	7.4	NA	NA	29 OCT 90
055325-0009-SA	TRC22B	7.2	NA	NA	29 OCT 90
055325-0012-SA	TRSD1	7.2	NA	NA	29 OCT 90

ND = Not detected
NA = Not applicable

Reported By: Darlene Ogburn

Approved By: Hamid Foolad

The cover letter is an integral part of this report.
Rev 230787

Enseco-Erco Laboratory

205 Alewife Brook Parkway
Cambridge, Massachusetts 02138
617/661-3111 Fax: 617/354-5258

CHAIN OF CUSTODY

For Sub-Contracted Work

Report to: Tom CopelandEnseco Client: NYS DECProject: # T34018Project #: 7416Subcontract Lab: Enseco - CHLAttention: Gordon LaneDate Received: 10-19-90Date Authorized: 10-19-90Project Due at Erco: 11-13-90Dry Weight: yesREPORT FORMAT: Commercial
CLP Tier I Tier II

Date	Time	Sample ID/Description	Sample Type	No. Containers	Analysis Parameters	Remarks
10/18		7416-01	Soil	4	8150, 8140, 8080, EDTOX	(CLP)
		02				
		* 03				
		03 MS				
		03 MSD		NOT SEPARATE		
		05				
		06				
		07				
		08				

REMARKS: * Two of the four containers were rec'd broken.

CUSTODY TRANSFERS PRIOR TO SHIPPING

Relinquished by: (signed)

Received by: (signed)

Date

Time

SHIPPING DETAILS

Delivered to Shipper by

Method of Shipment

Received for Lab.

Signed

Date/Time

Enseco Project No

57
18

3

Enseco-Erco Laboratory

205 Alewife Brook Parkway
Cambridge, Massachusetts 02138
617/661-3111 Fax: 617/354-5258

CHAIN OF CUSTODY

For Sub-Contracted Work

report to: Tom Capeland

Enseco Client: NYS DEC

Project: #734018

Project #: 7416

Subcontract Lab: Enseco - CHL

Attention: Gordon Lane

Date Received: 10-19-90

Date Authorized: 10-19-90

Project Due at Erco: 11-13-90

Dry Weight: yes

REPORT FORMAT: Commercial
CLP Tier I Tier II

Date	Time	Sample ID/Description	Sample Type	No. Containers	Analysis Parameters	Remarks
10/18		7416-09	Soil	4	8150, 8140, 8080, EPTOX	
		10	↓	↓	↓ ↓ ↓ ↓	
		11	Aqueous	8	6014, 6015, 608	
		12	↓	8	↓ ↓ ↓	
		12 MS	↓	4	↓ ↓ ↓	
		12 MSD	↓	4	↓ ↓ ↓	
		12 DMS	↓	↓	↓ ↓ ↓	
		14	↓	8	↓ ↓ ↓	

REMARKS:

CUSTODY TRANSFERS PRIOR TO SHIPPING

Relinquished by: (signed)

Received by: (signed)

Date

Time

SHIPPING DETAILS

Delivered to Shipper by:

Method of Shipment

Received for Lab

Signed

Date/Time

1
2
3

M.C. X
55375

10/26/90
10:41