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PHASE #2

RI DATA REPORT

VOLUME II

8/92

(APPENDICES)

PHASE II RI DATA REPORT

9

NEW YORK STATE SUPERFUND STANDBY CONTRACT SCHATZ PLANT SITE

Town of Poughkeepsie, Dutchess County

WORK ASSIGNMENT NO. D002478-6
SITE NO. 3-14-074

PREPARED FOR

RECEIVED

VOLUME II - APPENDICES

SFP 1 1992



Bureau of
Program Management

Prepared for:
**New York State
Department of
Environmental Conservation**
50 Wolf Road, Albany, New York 12233
Thomas C. Jorling, Commissioner

Division of Hazardous Waste Remediation
Michael J. O'Toole, Jr., P.E., Director

PREPARED BY

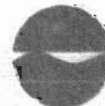
ES
ENGINEERING-SCIENCE
Liverpool, New York

AUGUST 1992
SY185.05



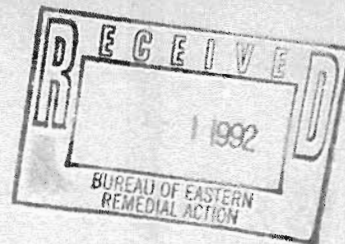
New York State
Department of
Environmental Conservation

THOMAS L. GIBBONS
Engineering Geologist
Bureau of Eastern Remedial Action
Division of Hazardous Waste Remediation



50 Wolf Road
Albany, NY 12233-7010

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PHASE II DATA REPORT
NEW YORK STATE SUPERFUND STANDBY CONTRACT
SCHATZ PLANT SITE
POUGHKEEPSIE, DUTCHESS COUNTY
WORK ASSIGNMENT NO. D002478-6
SITE NO. 3-14-074

VOLUME II - APPENDICES

Prepared For:

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

Prepared By:

ENGINEERING-SCIENCE, INC.
290 ELWOOD DAVIS ROAD
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AUGUST 1992



APPENDIX A

PHASE II SOIL SAMPLE

LABORATORY SUMMARY SHEETS

SAMPLE DATA SUMMARY PACKAGE



RECREA
ENVIRONMENTAL
INC.

CASE NARRATIVE



RECRA
ENVIRONMENTAL
INC.

CASE NARRATIVE

Laboratory Name: Recra Environmental, Inc.

Laboratory Code: RECNY

Case Number: 4057

SDG Number: 113

Contract Number: NY92-405^R

Sample Identification:

SOS-113
SOS-114
SOS-115
SOS-116
SOS-117
SOS-118
SOS-119
SOS-120
SOS-121
SOS-122
SOS-123
SOS-124
SOS-125
SOS-126
SOS-127
SOS-127 Matrix Spike
SOS-127 Matrix Spike Duplicate
SOS-127 Matrix Duplicate
SOS-128
SOS-129
SOS-130

METHODOLOGY

Analyses were performed in accordance with 1989 New York State Analytical Services protocol.

COMMENTS

Comments pertain to data on one or all pages of this report.



RECRA
ENVIRONMENTAL
INC.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Organic Data Comment Page.

Sample identifications have been abbreviated due to computer software limitations.

Results of the analyses of soil samples have been corrected for moisture content and are reported on a dry weight basis.

Preliminary results were sent via facsimile to Mr. Ian McEachren of Engineering-Science, Inc. by Recra Environmental, Inc. personnel on July 24, 1992.

Preliminary results were also sent via facsimile to Mr. William Lilley of Engineering-Science, Inc. by Recra Environmental, Inc. personnel on July 27, 1992.

PESTICIDE/PCB DATA

The final extraction volume for all samples is five milliliters (5.0 ml) instead of ten milliliters (10 ml) as specified in the protocol. Therefore, all the samples have an initial dilution factor of at least two (2.0).

Samples SOS114, SOS116, SOS122, SOS124 and SOS126 were initially analyzed at a dilution of twenty (20). Further dilutions of two hundred (200) were required due to the high concentrations of Aroclor 1254.

Sample SOS115 was initially analyzed at a dilution of eighty (80). A further dilution of eight hundred (800) was required due to the high concentration of Aroclor 1254.

Samples SOS117 and SOS118 were initially analyzed at a dilution of five (5.0). Further dilutions of fifty (50) were required due to the high concentrations of Aroclor 1254.

Samples SOS121 and SOS125 were analyzed at a dilution of ten (10).

Sample SOS127 was analyzed at a dilution of five (5.0).

Sample SOS128 was initially analyzed at a dilution of ten (10). A further dilution of one hundred (100) was required due to the high concentration of Aroclor 1254.

Samples SOS129 and SOS130 were analyzed at a dilution factor of four (4.0).

Samples SOS113, SOS119, SOS120, SOS121, SOS123, SOS125, SOS127, SOS129 and SOS130 could not be confirmed with GC/MS because the Aroclor concentrations are below the detection limit.

Aroclor 1254 retention times for samples SOS124 and SOS126 fell outside the established windows on column DB1701, however, pattern recognition was used to identify the Aroclor.



All peaks contained in sample SOS127 were subtracted out of the matrix spike and matrix spike duplicate to make it possible to calculate the pesticide recoveries.

Samples SOS114, SOS114DL, SOS115, SOS115DL, SOS116, SOS116DL, SOS117DL, SOS118DL, SOS121, SOS122, SOS122DL, SOS124, SOS124DL, SOS125, SOS126, SOS126DL, SOS128 and SOS128DL had Surrogates diluted cut.

Sample SOS127 Matrix Spike exhibited non-compliant recoveries for Laboratory Spiking Compounds gamma-BHC (Lindane) and 4,4'-DET. Sample SOS127 Matrix Spike Duplicate exhibited a non-compliant recovery for Laboratory Spiking Compound gamma-BHC (Lindane).

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or her designee, as verified by the following signature."

Deborah J. Kinecki / RPK

Deborah J. Kinecki

Vice President

8/5/92

Date



RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME RECRA ENVIRONMENTAL, INC.

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	OTHER*
SOS-113	92-2058	-	-	-	HSL/ASP89	-	-
SOS-114	92-2058	-	-	-	HSL/ASP89	-	-
SOS-115	92-2058	-	-	-	HSL/ASP89	-	-
SOS-116	92-2058	-	-	-	HSL/ASP89	-	-
SOS-117	92-2058	-	-	-	HSL/ASP89	-	-
SOS-118	92-2058	-	-	-	HSL/ASP89	-	-
SOS-119	92-2058	-	-	-	HSL/ASP89	-	-
SOS-120	92-2058	-	-	-	HSL/ASP89	-	-
SOS-121	92-2058	-	-	-	HSL/ASP89	-	-
SOS-122	92-2058	-	-	-	HSL/ASP89	-	-
SOS-122	92-2058	-	-	-	HSL/ASP89	-	-
SOS-124	92-2058	-	-	-	HSL/ASP89	-	-
SOS-125	92-2058	-	-	-	HSL/ASP89	-	-
SOS-126	92-2058	-	-	-	HSL/ASP89	-	-
SOS-127	92-2058	-	-	-	HSL/ASP89	-	-
SOS-128	92-2058	-	-	-	HSL/ASP89	-	-
SOS-129	92-2058	-	-	-	HSL/ASP89	-	-
SOS-130	92-2058	-	-	-	HSL/ASP89	-	-

NYSDEC-1



RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSIS

LAB NAME RECRA ENVIRONMENTAL INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
SOS-113	SOIL	07/02/92	07/06/92	07/09/92	07/20/92
SOS-114	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-115	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-116	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-117	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-118	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-119	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-120	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-121	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-122	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-123	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-124	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-125	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-126	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-127	SOIL	07/02/92	07/06/92	07/09/92	07/21/92
SOS-128	SOIL	07/02/92	07/06/92	07/09/92	07/22/92
SOS-129	SOIL	07/02/92	07/06/92	07/09/92	07/22/92
SOS-130	SOIL	07/02/92	07/06/92	07/09/92	07/22/92

NYSDEC-4



RECRA
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INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME RECRA ENVIRONMENTAL INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILARY CLEAN UP	DIL/CONC FACTOR
SOS-113	SOIL	ASP89	ASP89	As Required	As Required
SOS-114	SOIL	ASP89	ASP89	As Required	As Required
SOS-115	SOIL	ASP89	ASP89	As Required	As Required
SOS-116	SOIL	ASP89	ASP89	As Required	As Required
SOS-117	SOIL	ASP89	ASP89	As Required	As Required
SOS-118	SOIL	ASP89	ASP89	As Required	As Required
SOS-119	SOIL	ASP89	ASP89	As Required	As Required
SOS-120	SOIL	ASP89	ASP89	As Required	As Required
SOS-121	SOIL	ASP89	ASP89	As Required	As Required
SOS-122	SOIL	ASP89	ASP89	As Required	As Required
SOS-123	SOIL	ASP89	ASP89	As Required	As Required
SOS-124	SOIL	ASP89	ASP89	As Required	As Required
SOS-125	SOIL	ASP89	ASP89	As Required	As Required
SOS-126	SOIL	ASP89	ASP89	As Required	As Required
SOS-127	SOIL	ASP89	ASP89	As Required	As Required
SOS-128	SOIL	ASP89	ASP89	As Required	As Required
SOS-129	SOIL	ASP89	ASP89	As Required	As Required
SOS-130	SOIL	ASP89	ASP89	As Required	As Required

NYSDEC-6



RECRA
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INC.

ORGANIC DATA COMMENT PAGE

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Laboratory Name RECRA ENVIRONMENTAL, INC.

USEPA Defined Organic Data Qualifiers:

- U - Indicates compound was analyzed for but not detected.
- J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- G - The TCLP Matrix Spike recovery was greater than the upper limit of the analytical method.
- L - The TCLP Matrix Spike recovery was lower than the lower limit of the analytical method.
- T - This flag is used when the analyte is found in the associated TCLP extraction as well as in the sample.



RECRA
ENVIRONMENTAL
INC.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 10

SOS113

Name: RECRA ENVIRON Contract: _____
Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
Matrix: (soil/water) SOIL Lab Sample ID: AS013629
Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____
Level: (low/med) LOW Date Received: 07/06/92
Moisture: not dec. 12 dec. _____ Date Extracted: 07/09/92
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/20/92
Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 2.00

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

319-84-6-----	alpha-BHC	9.1	U
319-85-7-----	beta-BHC	9.1	U
319-86-8-----	delta-BHC	9.1	U
58-89-9-----	gamma-BHC(Lindane)	9.1	U
76-44-8-----	Heptachlor	9.1	U
309-00-2-----	Aldrin	9.1	U
1024-57-3-----	Heptachlor epoxide	9.1	U
959-98-8-----	Endosulfan I	9.1	U
60-57-1-----	Dieldrin	18	U
72-55-9-----	4,4'-DDE	18	U
72-20-8-----	Endrin	18	U
33213-65-9-----	Endosulfan II	18	U
72-54-8-----	4,4'-DDD	18	U
1031-07-8-----	Endosulfan sulfate	18	U
50-29-3-----	4,4'-DDT	18	U
72-43-5-----	Methoxychlor	91	U
53494-70-5-----	Endrin ketone	18	U
5103-71-9-----	alpha-chlordane	91	U
5103-74-2-----	gamma-chlordane	91	U
8001-35-2-----	Toxaphene	180	U
12674-11-2-----	Aroclor-1016	91	U
11104-28-2-----	Aroclor-1221	91	U
11141-16-5-----	Aroclor-1232	91	U
53469-21-9-----	Aroclor-1242	91	U
12672-29-6-----	Aroclor-1248	91	U
11097-69-1-----	Aroclor-1254	220	U
11096-82-5-----	Aroclor-1260	180	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

11
EPA SAMPLE NO.

SOS114

Name: RECRA ENVIRON Contract: _____
 Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Matrix: (soil/water) SOIL Lab Sample ID: AS013630
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: 11533Z
 Level: (low/med) LOW Date Received: 07/06/92
 Moisture: not dec. 28 dec. _____ Date Extracted: 07/09/92
 Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92
 PC Cleanup: (Y/N) Y pH: 6.1 Dilution Factor: 20.0

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

CAS NO.	COMPOUND		
319-84-6	alpha-BHC	110	U
319-85-7	beta-BHC	110	U
319-86-8	delta-BHC	110	U
58-89-9	gamma-BHC(Lindane)	110	U
76-44-8	Heptachlor	110	U
309-00-2	Aldrin	110	U
1024-57-3	Heptachlor epoxide	110	U
959-98-8	Endosulfan I	110	U
60-57-1	Dieldrin	220	U
72-55-9	4,4'-DDE	220	U
72-20-8	Endrin	220	U
33213-65-9	Endosulfan II	220	U
72-54-8	4,4'-DDD	220	U
1031-07-8	Endosulfan sulfate	220	U
50-29-3	4,4'-DDT	220	U
72-43-5	Methoxychlor	1100	U
53494-70-5	Endrin ketone	220	U
5103-71-9	alpha-chlordane	1100	U
5103-74-2	gamma-chlordane	1100	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	1100	U
11104-28-2	Aroclor-1221	1100	U
11141-16-5	Aroclor-1232	1100	U
53469-21-9	Aroclor-1242	1100	U
12672-29-6	Aroclor-1248	1100	U
11097-69-1	Aroclor-1254	72000	C
11096-82-5	Aroclor-1260	2200	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

12
EPA SAMPLE NO.

SOS114DL

Name: RECRA ENVIRON Contract: _____
Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
Matrix: (soil/water) SOIL Lab Sample ID: AS013630DL
Sample wt/vol: 30.2 (g/mL) G Lab File ID: 11533Z
Level: (low/med) LOW Date Received: 07/06/92
Moisture: not dec. 28 dec. _____ Date Extracted: 07/09/92
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/20/92
Cleanup: (Y/N) Y pH: 6.1 Dilution Factor: 200

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

319-84-6-----	alpha-BHC	1100	U
319-85-7-----	beta-BHC	1100	U
319-86-8-----	delta-BHC	1100	U
58-89-9-----	gamma-BHC(Lindane)	1100	U
76-44-8-----	Heptachlor	1100	U
309-00-2-----	Aldrin	1100	U
1024-57-3-----	Heptachlor epoxide	1100	U
959-98-8-----	Endosulfan I	1100	U
60-57-1-----	Dieldrin	2200	U
72-55-9-----	4,4'-DDE	2200	U
72-20-8-----	Endrin	2200	U
33213-65-9-----	Endosulfan II	2200	U
72-54-8-----	4,4'-DDD	2200	U
1031-07-8-----	Endosulfan sulfate	2200	U
50-29-3-----	4,4'-DDT	2200	U
72-43-5-----	Methoxychlor	11000	U
53494-70-5-----	Endrin ketone	2200	U
5103-71-9-----	alpha-chlordane	11000	U
5103-74-2-----	gamma-chlordane	11000	U
8001-35-2-----	Toxaphene	22000	U
12674-11-2-----	Aroclor-1016	11000	U
11104-28-2-----	Aroclor-1221	11000	U
11141-16-5-----	Aroclor-1232	11000	U
53469-21-9-----	Aroclor-1242	11000	U
12672-29-6-----	Aroclor-1248	11000	U
11097-69-1-----	Aroclor-1254	92000	C
11096-82-5-----	Aroclor-1260	22000	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS115

Name: RECRA ENVIRON

Contract: _____

Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: 113

Matrix: (soil/water) SOIL

Lab Sample ID: AS013631

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: 11534Z

Level: (low/med) LOW

Date Received: 07/06/92

Moisture: not dec. 27 dec. _____

Date Extracted: 07/09/92

Fraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/21/92

Cleanup: (Y/N) Y pH: 7.3

Dilution Factor: 80.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	440	U
319-85-7-----	beta-BHC	440	U
319-86-8-----	delta-BHC	440	U
58-89-9-----	gamma-BHC (Lindane)	440	U
76-44-8-----	Heptachlor	440	U
309-00-2-----	Aldrin	440	U
1024-57-3-----	Heptachlor epoxide	440	U
959-98-8-----	Endosulfan I	440	U
60-57-1-----	Dieldrin	870	U
72-55-9-----	4,4'-DDE	870	U
72-20-8-----	Endrin	870	U
33213-65-9-----	Endosulfan II	870	U
72-54-8-----	4,4'-DDD	870	U
1031-07-8-----	Endosulfan sulfate	870	U
50-29-3-----	4,4'-DDT	870	U
72-43-5-----	Methoxychlor	4400	U
53494-70-5-----	Endrin ketone	870	U
5103-71-9-----	alpha-chlordane	4400	U
5103-74-2-----	gamma-chlordane	4400	U
8001-35-2-----	Toxaphene	8700	U
12674-11-2-----	Aroclor-1016	4400	U
11104-28-2-----	Aroclor-1221	4400	U
11141-16-5-----	Aroclor-1232	4400	U
53469-21-9-----	Aroclor-1242	4400	U
12672-29-6-----	Aroclor-1248	4400	U
11097-69-1-----	Aroclor-1254	150000	C
11096-82-5-----	Aroclor-1260	8700	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

14
EPA SAMPLE NO.

SOS115DL

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013631DL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 11534Z

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 27 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92

PC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 800

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
319-84-6-----	alpha-BHC	4400	U
319-85-7-----	beta-BHC	4400	U
319-86-8-----	delta-BHC	4400	U
58-89-9-----	gamma-BHC(Lindane)	4400	U
76-44-8-----	Heptachlor	4400	U
309-00-2-----	Aldrin	4400	U
1024-57-3-----	Heptachlor epoxide	4400	U
959-98-8-----	Endosulfan I	4400	U
60-57-1-----	Dieldrin	8700	U
72-55-9-----	4,4'-DDE	8700	U
72-20-8-----	Endrin	8700	U
33213-65-9-----	Endosulfan II	8700	U
72-54-8-----	4,4'-DDD	8700	U
1031-07-8-----	Endosulfan sulfate	8700	U
50-29-3-----	4,4'-DDT	8700	U
72-43-5-----	Methoxychlor	44000	U
53494-70-5-----	Endrin ketone	8700	U
5103-71-9-----	alpha-chlordane	44000	U
5103-74-2-----	gamma-chlordane	44000	U
8001-35-2-----	Toxaphene	87000	U
12674-11-2-----	Aroclor-1016	44000	U
11104-28-2-----	Aroclor-1221	44000	U
11141-16-5-----	Aroclor-1232	44000	U
53469-21-9-----	Aroclor-1242	44000	U
12672-29-6-----	Aroclor-1248	44000	U
11097-69-1-----	Aroclor-1254	210000	C
11096-82-5-----	Aroclor-1260	87000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS116

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013632

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 11535Z

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 21 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92

PC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 20.0

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-----	gamma-BHC (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-----	gamma-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	58000	C
11096-82-5-----	Aroclor-1260	2000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS116DL

Job Name: RECRA ENVIRON Contract: _____
 Job Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Matrix: (soil/water) SOIL Lab Sample ID: AS013632DL
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: 11535Z
 Level: (low/med) LOW Date Received: 07/06/92
 Moisture: not dec. 21 dec. _____ Date Extracted: 07/09/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92
 Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 200

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

319-84-6-----alpha-BHC	1000	U
319-85-7-----beta-BHC	1000	U
319-86-8-----delta-BHC	1000	U
58-89-9-----gamma-BHC(Lindane)	1000	U
76-44-8-----Heptachlor	1000	U
309-00-2-----Aldrin	1000	U
1024-57-3-----Heptachlor epoxide	1000	U
959-98-8-----Endosulfan I	1000	U
60-57-1-----Dieldrin	2000	U
72-55-9-----4,4'-DDE	2000	U
72-20-8-----Endrin	2000	U
33213-65-9-----Endosulfan II	2000	U
72-54-8-----4,4'-DDD	2000	U
1031-07-8-----Endosulfan sulfate	2000	U
50-29-3-----4,4'-DDT	2000	U
72-43-5-----Methoxychlor	10000	U
53494-70-5-----Endrin ketone	2000	U
5103-71-9-----alpha-chlordane	10000	U
5103-74-2-----gamma-chlordane	10000	U
8001-35-2-----Toxaphene	20000	U
12674-11-2-----Aroclor-1016	10000	U
11104-28-2-----Aroclor-1221	10000	U
11141-16-5-----Aroclor-1232	10000	U
53469-21-9-----Aroclor-1242	10000	U
12672-29-6-----Aroclor-1248	10000	U
11097-69-1-----Aroclor-1254	71000	C
11096-82-5-----Aroclor-1260	20000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

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EPA SAMPLE NO.

SOS117

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013633

Sample wt/vol: 30.9 (g/mL) G Lab File ID: 11536Z

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 26 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92

PC Cleanup: (Y/N) Y pH: 6.8 Dilution Factor: 5.00

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
319-84-6	alpha-BHC	26	U
319-85-7	beta-BHC	26	U
319-86-8	delta-BHC	26	U
58-89-9	gamma-BHC (Lindane)	26	U
76-44-8	Heptachlor	26	U
309-00-2	Aldrin	26	U
1024-57-3	Heptachlor epoxide	26	U
959-98-8	Endosulfan I	26	U
60-57-1	Dieldrin	52	U
72-55-9	4,4'-DDE	52	U
72-20-8	Endrin	52	U
33213-65-9	Endosulfan II	52	U
72-54-8	4,4'-DDD	52	U
1031-07-8	Endosulfan sulfate	52	U
50-29-3	4,4'-DDT	52	U
72-43-5	Methoxychlor	260	U
53494-70-5	Endrin ketone	52	U
5103-71-9	alpha-chlordane	260	U
5103-74-2	gamma-chlordane	260	U
8001-35-2	Toxaphene	520	U
12674-11-2	Aroclor-1016	260	U
11104-28-2	Aroclor-1221	260	U
11141-16-5	Aroclor-1232	260	U
53469-21-9	Aroclor-1242	260	U
12672-29-6	Aroclor-1248	260	U
11097-69-1	Aroclor-1254	20000	C
11096-82-5	Aroclor-1260	520	U

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NO.1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS117DL

Name: RECRA ENVIRON

Contract: _____

Code: RECNYCase No.: 4057

SAS No.: _____

SDG No.: 113Matrix: (soil/water) SOILLab Sample ID: AS013633DLSample wt/vol: 30.9 (g/mL) GLab File ID: 11536ZRel: (low/med) LOWDate Received: 07/06/92Moisture: not dec. 26

dec. _____

Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc)

SONCDate Analyzed: 07/21/92Cleanup: (Y/N) YpH: 6.8Dilution Factor: 50.0

CAS NO.

COMPOUND

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

Q

319-84-6-----alpha-BHC	260	U
319-85-7-----beta-BHC	260	U
319-86-8-----delta-BHC	260	U
58-89-9-----gamma-BHC(Lindane)	260	U
76-44-8-----Heptachlor	260	U
309-00-2-----Aldrin	260	U
1024-57-3-----Heptachlor epoxide	260	U
959-98-8-----Endosulfan I	260	U
60-57-1-----Dieldrin	520	U
72-55-9-----4,4'-DDE	520	U
72-20-8-----Endrin	520	U
33213-65-9-----Endosulfan II	520	U
72-54-8-----4,4'-DDD	520	U
1031-07-8-----Endosulfan sulfate	520	U
50-29-3-----4,4'-DDT	520	U
72-43-5-----Methoxychlor	2600	U
53494-70-5-----Endrin ketone	520	U
5103-71-9-----alpha-chlordane	2600	U
5103-74-2-----gamma-chlordane	2600	U
8001-35-2-----Toxaphene	5200	U
12674-11-2-----Aroclor-1016	2600	U
11104-28-2-----Aroclor-1221	2600	U
11141-16-5-----Aroclor-1232	2600	U
53469-21-9-----Aroclor-1242	2600	U
12672-29-6-----Aroclor-1248	2600	U
11097-69-1-----Aroclor-1254	26000	C
11096-82-5-----Aroclor-1260	5200	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS118

Name: RECRA ENVIRON Contract: _____
 Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Matrix: (soil/water) SOIL Lab Sample ID: AS013634
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: 11537Z
 Level: (low/med) LOW Date Received: 07/06/92
 Moisture: not dec. 14 dec. _____ Date Extracted: 07/09/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92
 Cleanup: (Y/N) Y pH: 6.5 Dilution Factor: 5.00

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

319-84-6-----alpha-BHC	23	U
319-85-7-----beta-BHC	23	U
319-86-8-----delta-BHC	23	U
58-89-9-----gamma-BHC(Lindane)	23	U
76-44-8-----Heptachlor	23	U
309-00-2-----Aldrin	23	U
1024-57-3-----Heptachlor epoxide	23	U
959-98-8-----Endosulfan I	23	U
60-57-1-----Dieldrin	46	U
72-55-9-----4,4'-DDE	46	U
72-20-8-----Endrin	46	U
33213-65-9-----Endosulfan II	46	U
72-54-8-----4,4'-DDD	46	U
1031-07-8-----Endosulfan sulfate	46	U
50-29-3-----4,4'-DDT	46	U
72-43-5-----Methoxychlor	230	U
53494-70-5-----Endrin ketone	46	U
5103-71-9-----alpha-chlordane	230	U
5103-74-2-----gamma-chlordane	230	U
8001-35-2-----Toxaphene	460	U
12674-11-2-----Aroclor-1016	230	U
11104-28-2-----Aroclor-1221	230	U
11141-16-5-----Aroclor-1232	230	U
53469-21-9-----Aroclor-1242	230	U
12672-29-6-----Aroclor-1248	230	U
11097-69-1-----Aroclor-1254	14000	C
11096-82-5-----Aroclor-1260	460	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS118DL

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013634DL

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 11537Z

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 14 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92

PC Cleanup: (Y/N) Y pH: 6.5 Dilution Factor: 50.0

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

319-84-6-----alpha-BHC	230	U
319-85-7-----beta-BHC	230	U
319-86-8-----delta-BHC	230	U
58-89-9-----gamma-BHC(Lindane)	230	U
76-44-8-----Heptachlor	230	U
309-00-2-----Aldrin	230	U
1024-57-3-----Heptachlor epoxide	230	U
959-98-8-----Endosulfan I	230	U
60-57-1-----Dieldrin	460	U
72-55-9-----4,4'-DDE	460	U
72-20-8-----Endrin	460	U
33213-65-9-----Endosulfan II	460	U
72-54-8-----4,4'-DDD	460	U
1031-07-8-----Endosulfan sulfate	460	U
50-29-3-----4,4'-DDT	460	U
72-43-5-----Methoxychlor	2300	U
53494-70-5-----Endrin ketone	460	U
5103-71-9-----alpha-chlordane	2300	U
5103-74-2-----gamma-chlordane	2300	U
8001-35-2-----Toxaphene	4600	U
12674-11-2-----Aroclor-1016	2300	U
11104-28-2-----Aroclor-1221	2300	U
11141-16-5-----Aroclor-1232	2300	U
53469-21-9-----Aroclor-1242	2300	U
12672-29-6-----Aroclor-1248	2300	U
11097-69-1-----Aroclor-1254	17000	C
11096-82-5-----Aroclor-1260	4600	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS119

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013635

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 9 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92

PC Cleanup: (Y/N) Y pH: 6.2 Dilution Factor: 2.00

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

319-84-6-----	alpha-BHC	8.8	U
319-85-7-----	beta-BHC	8.8	U
319-86-8-----	delta-BHC	8.8	U
58-89-9-----	gamma-BHC (Lindane)	8.8	U
76-44-8-----	Heptachlor	8.8	U
309-00-2-----	Aldrin	8.8	U
1024-57-3-----	Heptachlor epoxide	8.8	U
959-98-8-----	Endosulfan I	8.8	U
60-57-1-----	Dieldrin	18	U
72-55-9-----	4,4'-DDE	18	U
72-20-8-----	Endrin	18	U
33213-65-9-----	Endosulfan II	18	U
72-54-8-----	4,4'-DDD	18	U
1031-07-8-----	Endosulfan sulfate	18	U
50-29-3-----	4,4'-DDT	18	U
72-43-5-----	Methoxychlor	88	U
53494-70-5-----	Endrin ketone	18	U
5103-71-9-----	alpha-chlordane	88	U
5103-74-2-----	gamma-chlordane	88	U
8001-35-2-----	Toxaphene	180	U
12674-11-2-----	Aroclor-1016	88	U
11104-28-2-----	Aroclor-1221	88	U
11141-16-5-----	Aroclor-1232	88	U
53469-21-9-----	Aroclor-1242	88	U
12672-29-6-----	Aroclor-1248	88	U
11097-69-1-----	Aroclor-1254	40	J
11096-82-5-----	Aroclor-1260	180	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS120

Site Name: RECRA ENVIRON Contract: _____

Site Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013636

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 18 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92

PC Cleanup: (Y/N) Y pH: 6.4 Dilution Factor: 2.00

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

319-84-6-----	alpha-BHC	9.7	U
319-85-7-----	beta-BHC	9.7	U
319-86-8-----	delta-BHC	9.7	U
58-89-9-----	gamma-BHC (Lindane)	9.7	U
76-44-8-----	Heptachlor	9.7	U
309-00-2-----	Aldrin	9.7	U
1024-57-3-----	Heptachlor epoxide	9.7	U
959-98-8-----	Endosulfan I	9.7	U
60-57-1-----	Dieldrin	19	U
72-55-9-----	4,4'-DDE	19	U
72-20-8-----	Endrin	19	U
33213-65-9-----	Endosulfan II	19	U
72-54-8-----	4,4'-DDD	19	U
1031-07-8-----	Endosulfan sulfate	19	U
50-29-3-----	4,4'-DDT	19	U
72-43-5-----	Methoxychlor	97	U
53494-70-5-----	Endrin ketone	19	U
5103-71-9-----	alpha-chlordane	97	U
5103-74-2-----	gamma-chlordane	97	U
8001-35-2-----	Toxaphene	190	U
12674-11-2-----	Aroclor-1016	97	U
11104-28-2-----	Aroclor-1221	97	U
11141-16-5-----	Aroclor-1232	97	U
53469-21-9-----	Aroclor-1242	97	U
12672-29-6-----	Aroclor-1248	97	U
11097-69-1-----	Aroclor-1254	110	J
11096-82-5-----	Aroclor-1260	190	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS121

Lab Name: RECRA ENVIRON

Contract: _____

Lab Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: 113

Matrix: (soil/water) SOIL

Lab Sample ID: AS013637

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: _____

Level: (low/med) LOW

Date Received: 07/06/92

Moisture: not dec. 20

dec. _____

Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) _____

SONC

Date Analyzed: 07/21/92

PC Cleanup: (Y/N) Y

pH: 6.2

Dilution Factor: 10.0

CAS NO.

COMPOUND

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

Q

319-84-6-----	alpha-BHC	50	U
319-85-7-----	beta-BHC	50	U
319-86-8-----	delta-BHC	50	U
58-89-9-----	gamma-BHC (Lindane)	50	U
76-44-8-----	Heptachlor	50	U
309-00-2-----	Aldrin	50	U
1024-57-3-----	Heptachlor epoxide	50	U
959-98-8-----	Endosulfan I	50	U
60-57-1-----	Dieldrin	99	U
72-55-9-----	4,4'-DDE	99	U
72-20-8-----	Endrin	99	U
33213-65-9-----	Endosulfan II	99	U
72-54-8-----	4,4'-DDD	99	U
1031-07-8-----	Endosulfan sulfate	99	U
50-29-3-----	4,4'-DDT	99	U
72-43-5-----	Methoxychlor	500	U
53494-70-5-----	Endrin ketone	99	U
5103-71-9-----	alpha-chlordane	500	U
5103-74-2-----	gamma-chlordane	500	U
8001-35-2-----	Toxaphene	990	U
12674-11-2-----	Aroclor-1016	500	U
11104-28-2-----	Aroclor-1221	500	U
11141-16-5-----	Aroclor-1232	500	U
53469-21-9-----	Aroclor-1242	500	U
12672-29-6-----	Aroclor-1248	500	U
11097-69-1-----	Aroclor-1254	6300	
11096-82-5-----	Aroclor-1260	990	U

1D
 PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS122

Lab Name: RECRA ENVIRON

Contract: _____

Lab Code: RECNYCase No.: 4057

SAS No.: _____

SDG No.: 113Matrix: (soil/water) SOILLab Sample ID: AS013638Sample wt/vol: 30.4 (g/mL) GLab File ID: 11538ZLevel: (low/med) LOWDate Received: 07/06/92Moisture: not dec. 31 dec. _____Date Extracted: 07/09/92Extraction: (SepF/Cont/Sonc) SONCDate Analyzed: 07/21/92PC Cleanup: (Y/N) Y pH: 6.9Dilution Factor: 20.0

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

319-84-6	alpha-BHC	110	U
319-85-7	beta-BHC	110	U
319-86-8	delta-BHC	110	U
58-89-9	gamma-BHC (Lindane)	110	U
76-44-8	Heptachlor	110	U
309-00-2	Aldrin	110	U
1024-57-3	Heptachlor epoxide	110	U
959-98-8	Endosulfan I	110	U
60-57-1	Dieldrin	230	U
72-55-9	4,4'-DDE	230	U
72-20-8	Endrin	230	U
33213-65-9	Endosulfan II	230	U
72-54-8	4,4'-DDD	230	U
1031-07-8	Endosulfan sulfate	230	U
50-29-3	4,4'-DDT	230	U
72-43-5	Methoxychlor	1100	U
53494-70-5	Endrin ketone	230	U
5103-71-9	alpha-chlordane	1100	U
5103-74-2	gamma-chlordane	1100	U
8001-35-2	Toxaphene	2300	U
12674-11-2	Aroclor-1016	1100	U
11104-28-2	Aroclor-1221	1100	U
11141-16-5	Aroclor-1232	1100	U
53469-21-9	Aroclor-1242	1100	U
12672-29-6	Aroclor-1248	1100	U
11097-69-1	Aroclor-1254	110000	C
11096-82-5	Aroclor-1260	2300	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 25

SOS122DL

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013638DL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 11538Z

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 31 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92

PC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 200

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

CAS NO.	COMPOUND		
319-84-6	alpha-BHC	1100	U
319-85-7	beta-BHC	1100	U
319-86-8	delta-BHC	1100	U
58-89-9	gamma-BHC(Lindane)	1100	U
76-44-8	Heptachlor	1100	U
309-00-2	Aldrin	1100	U
1024-57-3	Heptachlor epoxide	1100	U
959-98-8	Endosulfan I	1100	U
60-57-1	Dieldrin	2300	U
72-55-9	4,4'-DDE	2300	U
72-20-8	Endrin	2300	U
33213-65-9	Endosulfan II	2300	U
72-54-8	4,4'-DDD	2300	U
1031-07-8	Endosulfan sulfate	2300	U
50-29-3	4,4'-DDT	2300	U
72-43-5	Methoxychlor	11000	U
53494-70-5	Endrin ketone	2300	U
5103-71-9	alpha-chlordane	11000	U
5103-74-2	gamma-chlordane	11000	U
8001-35-2	Toxaphene	23000	U
12674-11-2	Aroclor-1016	11000	U
11104-28-2	Aroclor-1221	11000	U
11141-16-5	Aroclor-1232	11000	U
53469-21-9	Aroclor-1242	11000	U
12672-29-6	Aroclor-1248	11000	U
11097-69-1	Aroclor-1254	130000	C
11096-82-5	Aroclor-1260	23000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

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EPA SAMPLE NO.

SOS123

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013639

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

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 17 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92

PC Cleanup: (Y/N) Y pH: 6.3 Dilution Factor: 2.00

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

319-84-6-----	alpha-BHC	9.4	U
319-85-7-----	beta-BHC	9.4	U
319-86-8-----	delta-BHC	9.4	U
58-89-9-----	gamma-BHC(Lindane)	9.4	U
76-44-8-----	Heptachlor	9.4	U
309-00-2-----	Aldrin	9.4	U
1024-57-3-----	Heptachlor epoxide	9.4	U
959-98-8-----	Endosulfan I	9.4	U
60-57-1-----	Dieldrin	19	U
72-55-9-----	4,4'-DDE	19	U
72-20-8-----	Endrin	19	U
33213-65-9-----	Endosulfan II	19	U
72-54-8-----	4,4'-DDD	19	U
1031-07-8-----	Endosulfan sulfate	19	U
50-29-3-----	4,4'-DDT	19	U
72-43-5-----	Methoxychlor	94	U
53494-70-5-----	Endrin ketone	19	U
5103-71-9-----	alpha-chlordane	94	U
5103-74-2-----	gamma-chlordane	94	U
8001-35-2-----	Toxaphene	190	U
12674-11-2-----	Aroclor-1016	94	U
11104-28-2-----	Aroclor-1221	94	U
11141-16-5-----	Aroclor-1232	94	U
53469-21-9-----	Aroclor-1242	94	U
12672-29-6-----	Aroclor-1248	94	U
11097-69-1-----	Aroclor-1254	170	J
11096-82-5-----	Aroclor-1260	190	U

1D
 PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS124

Lab Name: RECRA ENVIRON Contract: _____
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Matrix: (soil/water) SOIL Lab Sample ID: AS013640
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: 11539Z
 Level: (low/med) LOW Date Received: 07/06/92
 Moisture: not dec. 17 dec. _____ Date Extracted: 07/09/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92
 GC Cleanup: (Y/N) Y pH: 5.2 Dilution Factor: 20.0

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-----	gamma-BHC (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	190	U
72-55-9-----	4,4'-DDE	190	U
72-20-8-----	Endrin	190	U
33213-65-9-----	Endosulfan II	190	U
72-54-8-----	4,4'-DDD	190	U
1031-07-8-----	Endosulfan sulfate	190	U
50-29-3-----	4,4'-DDT	190	U
72-43-5-----	Methoxychlor	950	U
53494-70-5-----	Endrin ketone	190	U
5103-71-9-----	alpha-chlordane	950	U
5103-74-2-----	gamma-chlordane	950	U
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	60000	C
11096-82-5-----	Aroclor-1260	1900	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS124DL

ID Name: RECRA ENVIRON Contract: _____
 ID Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Matrix: (soil/water) SOIL Lab Sample ID: AS013640DL
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: 11539Z
 Level: (low/med) LOW Date Received: 07/06/92
 Moisture: not dec. 17 dec. _____ Date Extracted: 07/09/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92
 PC Cleanup: (Y/N) Y pH: 5.2 Dilution Factor: 200

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
319-84-6	alpha-BHC	950	U
319-85-7	beta-BHC	950	U
319-86-8	delta-BHC	950	U
58-89-9	gamma-BHC(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	1900	U
1031-07-8	Endosulfan sulfate	1900	U
50-29-3	4,4'-DDT	1900	U
72-43-5	Methoxychlor	9500	U
53494-70-5	Endrin ketone	1900	U
5103-71-9	alpha-chlordane	9500	U
5103-74-2	gamma-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	73000	C
11096-82-5	Aroclor-1260	19000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS125

Lab Name: RECRA ENVIRON Contract: _____
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Matrix: (soil/water) SOIL Lab Sample ID: AS013641
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: _____
 Level: (low/med) LOW Date Received: 07/06/92
 Moisture: not dec. 14 dec. _____ Date Extracted: 07/09/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92
 PC Cleanup: (Y/N) Y pH: 7.5 Dilution Factor: 10.0

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

CAS NO.	COMPOUND		
319-84-6	alpha-BHC	46	U
319-85-7	beta-BHC	46	U
319-86-8	delta-BHC	46	U
58-89-9	gamma-BHC (Lindane)	46	U
76-44-8	Heptachlor	46	U
309-00-2	Aldrin	46	U
1024-57-3	Heptachlor epoxide	46	U
959-98-8	Endosulfan I	46	U
60-57-1	Dieldrin	91	U
72-55-9	4,4'-DDE	91	U
72-20-8	Endrin	91	U
33213-65-9	Endosulfan II	91	U
72-54-8	4,4'-DDD	91	U
1031-07-8	Endosulfan sulfate	91	U
50-29-3	4,4'-DDT	91	U
72-43-5	Methoxychlor	460	U
53494-70-5	Endrin ketone	91	U
5103-71-9	alpha-chlordane	460	U
5103-74-2	gamma-chlordane	460	U
8001-35-2	Toxaphene	910	U
12674-11-2	Aroclor-1016	460	U
11104-28-2	Aroclor-1221	460	U
11141-16-5	Aroclor-1232	460	U
53469-21-9	Aroclor-1242	460	U
12672-29-6	Aroclor-1248	460	U
11097-69-1	Aroclor-1254	5500	
11096-82-5	Aroclor-1260	910	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS126

Lab Name: RECRA ENVIRON Contract: _____
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Matrix: (soil/water) SOIL Lab Sample ID: AS013642
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: 11540Z
 Level: (low/med) LOW Date Received: 07/06/92
 Moisture: not dec. 26 dec. _____ Date Extracted: 07/09/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92
 PC Cleanup: (Y/N) Y pH: 5.0 Dilution Factor: 20.0

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

CAS NO.	COMPOUND		
319-84-6	alpha-BHC	110	U
319-85-7	beta-BHC	110	U
319-86-8	delta-BHC	110	U
58-89-9	gamma-BHC (Lindane)	110	U
76-44-8	Heptachlor	110	U
309-00-2	Aldrin	110	U
1024-57-3	Heptachlor epoxide	110	U
959-98-8	Endosulfan I	110	U
60-57-1	Dieldrin	210	U
72-55-9	4,4'-DDE	210	U
72-20-8	Endrin	210	U
33213-65-9	Endosulfan II	210	U
72-54-8	4,4'-DDD	210	U
1031-07-8	Endosulfan sulfate	210	U
50-29-3	4,4'-DDT	210	U
72-43-5	Methoxychlor	1100	U
53494-70-5	Endrin ketone	210	U
5103-71-9	alpha-chlordane	1100	U
5103-74-2	gamma-chlordane	1100	U
8001-35-2	Toxaphene	2100	U
12674-11-2	Aroclor-1016	1100	U
11104-28-2	Aroclor-1221	1100	U
11141-16-5	Aroclor-1232	1100	U
53469-21-9	Aroclor-1242	1100	U
12672-29-6	Aroclor-1248	1100	U
11097-69-1	Aroclor-1254	48000	C
11096-82-5	Aroclor-1260	2100	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SCS126DL

Lab Name: RECRA ENVIRON Contract: _____
Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
Matrix: (soil/water) SOIL Lab Sample ID: AS013642DL
Sample wt/vol: 30.2 (g/mL) G Lab File ID: 11540Z
Level: (low/med) LOW Date Received: 07/06/92
Moisture: not dec. 26 dec. _____ Date Extracted: 07/09/92
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92
PC Cleanup: (Y/N) Y pH: 5.0 Dilution Factor: 200

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	1100	U
319-85-7-----	beta-BHC	1100	U
319-86-8-----	delta-BHC	1100	U
58-89-9-----	gamma-BHC(Lindane)	1100	U
76-44-8-----	Heptachlor	1100	U
309-00-2-----	Aldrin	1100	U
1024-57-3-----	Heptachlor epoxide	1100	U
959-98-8-----	Endosulfan I	1100	U
60-57-1-----	Dieldrin	2100	U
72-55-9-----	4,4'-DDE	2100	U
72-20-8-----	Endrin	2100	U
33213-65-9-----	Endosulfan II	2100	U
72-54-8-----	4,4'-DDD	2100	U
1031-07-8-----	Endosulfan sulfate	2100	U
50-29-3-----	4,4'-DDT	2100	U
72-43-5-----	Methoxychlor	11000	U
53494-70-5-----	Endrin ketone	2100	U
5103-71-9-----	alpha-chlordane	11000	U
5103-74-2-----	gamma-chlordane	11000	U
8001-35-2-----	Toxaphene	21000	U
12674-11-2-----	Aroclor-1016	11000	U
11104-28-2-----	Aroclor-1221	11000	U
11141-16-5-----	Aroclor-1232	11000	U
53469-21-9-----	Aroclor-1242	11000	U
12672-29-6-----	Aroclor-1248	11000	U
11097-69-1-----	Aroclor-1254	52000	C
11096-82-5-----	Aroclor-1260	21000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

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EPA SAMPLE NO.

SOS127

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: A9013643

Sample wt/vol: 30.7 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 14 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/21/92

PC Cleanup: (Y/N) Y pH: 5.4 Dilution Factor: 5.00

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

319-84-6-----alpha-BHC	23	U
319-85-7-----beta-BHC	23	U
319-86-8-----delta-BHC	23	U
58-89-9-----gamma-BHC(Lindane)	23	U
76-44-8-----Heptachlor	23	U
309-00-2-----Aldrin	23	U
1024-57-3-----Heptachlor epoxide	23	U
959-98-8-----Endosulfan I	23	U
60-57-1-----Dieldrin	45	U
72-55-9-----4,4'-DDE	45	U
72-20-8-----Endrin	45	U
33213-65-9-----Endosulfan II	45	U
72-54-8-----4,4'-DDD	45	U
1031-07-8-----Endosulfan sulfate	45	U
50-29-3-----4,4'-DDT	45	U
72-43-5-----Methoxychlor	230	U
53494-70-5-----Endrin ketone	45	U
5103-71-9-----alpha-chlordane	230	U
5103-74-2-----gamma-chlordane	230	U
8001-35-2-----Toxaphene	450	U
12674-11-2-----Aroclor-1016	230	U
11104-28-2-----Aroclor-1221	230	U
11141-16-5-----Aroclor-1232	230	U
53469-21-9-----Aroclor-1242	230	U
12672-29-6-----Aroclor-1248	230	U
11097-69-1-----Aroclor-1254	2200	U
11096-82-5-----Aroclor-1260	450	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS128

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013644

Sample wt/vol: 30.9 (g/mL) G Lab File ID: 11541Z

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 10 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/22/92

PC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 10.0

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

319-84-6-----	alpha-BHC	43	U
319-85-7-----	beta-BHC	43	U
319-86-8-----	delta-BHC	43	U
58-89-9-----	gamma-BHC(Lindane)	43	U
76-44-8-----	Heptachlor	43	U
309-00-2-----	Aldrin	43	U
1024-57-3-----	Heptachlor epoxide	43	U
959-98-8-----	Endosulfan I	43	U
60-57-1-----	Dieldrin	86	U
72-55-9-----	4,4'-DDE	86	U
72-20-8-----	Endrin	86	U
33213-65-9-----	Endosulfan II	86	U
72-54-8-----	4,4'-DDD	86	U
1031-07-8-----	Endosulfan sulfate	86	U
50-29-3-----	4,4'-DDT	86	U
72-43-5-----	Methoxychlor	430	U
53494-70-5-----	Endrin ketone	86	U
5103-71-9-----	alpha-chlordane	430	U
5103-74-2-----	gamma-chlordane	430	U
8001-35-2-----	Toxaphene	860	U
12674-11-2-----	Aroclor-1016	430	U
11104-28-2-----	Aroclor-1221	430	U
11141-16-5-----	Aroclor-1232	430	U
53469-21-9-----	Aroclor-1242	430	U
12672-29-6-----	Aroclor-1248	430	U
11097-69-1-----	Aroclor-1254	23000	C
11096-82-5-----	Aroclor-1260	860	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS128DL

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013644DL

Sample wt/vol: 30.9 (g/mL) G Lab File ID: 11541Z

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 10 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/22/92

PC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 100

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

319-84-6-----	alpha-BHC	430	U
319-85-7-----	beta-BHC	430	U
319-86-8-----	delta-BHC	430	U
58-89-9-----	gamma-BHC (Lindane)	430	U
76-44-8-----	Heptachlor	430	U
309-00-2-----	Aldrin	430	U
1024-57-3-----	Heptachlor epoxide	430	U
959-98-8-----	Endosulfan I	430	U
60-57-1-----	Dieldrin	860	U
72-55-9-----	4,4'-DDE	860	U
72-20-8-----	Endrin	860	U
33213-65-9-----	Endosulfan II	860	U
72-54-8-----	4,4'-DDD	860	U
1031-07-8-----	Endosulfan sulfate	860	U
50-29-3-----	4,4'-DDT	860	U
72-43-5-----	Methoxychlor	4300	U
53494-70-5-----	Endrin ketone	860	U
5103-71-9-----	alpha-chlordane	4300	U
5103-74-2-----	gamma-chlordane	4300	U
8001-35-2-----	Toxaphene	8600	U
12674-11-2-----	Aroclor-1016	4300	U
11104-28-2-----	Aroclor-1221	4300	U
11141-16-5-----	Aroclor-1232	4300	U
53469-21-9-----	Aroclor-1242	4300	U
12672-29-6-----	Aroclor-1248	4300	U
11097-69-1-----	Aroclor-1254	32000	C
11096-82-5-----	Aroclor-1260	8600	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS129

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AS013645

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 07/06/92

Moisture: not dec. 9 dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/22/92

PC Cleanup: (Y/N) Y pH: 7.8 Dilution Factor: 4.00

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

319-84-6-----	alpha-BHC	17	U
319-85-7-----	beta-BHC	17	U
319-86-8-----	delta-BHC	17	U
58-89-9-----	gamma-BHC (Lindane)	17	U
76-44-8-----	Heptachlor	17	U
309-00-2-----	Aldrin	17	U
1024-57-3-----	Heptachlor epoxide	17	U
959-98-8-----	Endosulfan I	17	U
60-57-1-----	Dieldrin	35	U
72-55-9-----	4,4'-DDE	35	U
72-20-8-----	Endrin	35	U
33213-65-9-----	Endosulfan II	35	U
72-54-8-----	4,4'-DDD	35	U
1031-07-8-----	Endosulfan sulfate	35	U
50-29-3-----	4,4'-DDT	35	U
72-43-5-----	Methoxychlor	170	U
53494-70-5-----	Endrin ketone	35	U
5103-71-9-----	alpha-chlordane	170	U
5103-74-2-----	gamma-chlordane	170	U
8001-35-2-----	Toxaphene	350	U
12674-11-2-----	Aroclor-1016	170	U
11104-28-2-----	Aroclor-1221	170	U
11141-16-5-----	Aroclor-1232	170	U
53469-21-9-----	Aroclor-1242	170	U
12672-29-6-----	Aroclor-1248	170	U
11097-69-1-----	Aroclor-1254	3300	U
11096-82-5-----	Aroclor-1260	350	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS130

Lab Name: RECRA ENVIRON Contract: _____
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Matrix: (soil/water) SOIL Lab Sample ID: AS013646
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: _____
 Level: (low/med) LOW Date Received: 07/06/92
 Moisture: not dec. 13 dec. _____ Date Extracted: 07/09/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/22/92
 PC Cleanup: (Y/N) Y pH: 8.3 Dilution Factor: 4.00

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

319-84-6-----	alpha-BHC	18	U
319-85-7-----	beta-BHC	18	U
319-86-8-----	delta-BHC	18	U
58-89-9-----	gamma-BHC (Lindane)	18	U
76-44-8-----	Heptachlor	18	U
309-00-2-----	Aldrin	18	U
1024-57-3-----	Heptachlor epoxide	18	U
959-98-8-----	Endosulfan I	18	U
60-57-1-----	Dieldrin	36	U
72-55-9-----	4,4'-DDE	36	U
72-20-8-----	Endrin	36	U
33213-65-9-----	Endosulfan II	36	U
72-54-8-----	4,4'-DDD	36	U
1031-07-8-----	Endosulfan sulfate	36	U
50-29-3-----	4,4'-DDT	36	U
72-43-5-----	Methoxychlor	180	U
53494-70-5-----	Endrin ketone	36	U
5103-71-9-----	alpha-chlordane	180	U
5103-74-2-----	gamma-chlordane	180	U
8001-35-2-----	Toxaphene	360	U
12674-11-2-----	Aroclor-1016	180	U
11104-28-2-----	Aroclor-1221	180	U
11141-16-5-----	Aroclor-1232	180	U
53469-21-9-----	Aroclor-1242	180	U
12672-29-6-----	Aroclor-1248	180	U
11097-69-1-----	Aroclor-1254	3500	U
11096-82-5-----	Aroclor-1260	360	U

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: RECRA ENVIRON Contract: _____
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (DBC) #	OTHER
01	PBLK75	93	0
02	MSB01	83	0
03	SOS113	113	0
04	SOS114	0 D	0
05	SOS114DL	0 D	0
06	SOS115	0 D	0
07	SOS115DL	0 D	0
08	SOS116	0 D	0
09	SOS116DL	0 D	0
10	SOS117	72	0
11	SOS117DL	0 D	0
12	SOS118	25	0
13	SOS118DL	0 D	0
14	SOS119	120	0
15	SOS120	92	0
16	SOS121	0 D	0
17	SOS122	0 D	0
18	SOS122DL	0 D	0
19	SOS123	81	0
20	SOS124	0 D	0
21	SOS124DL	0 D	0
22	SOS125	0 D	0
23	SOS126	0 D	0
24	SOS126DL	0 D	0
25	SOS127	58	0
26	SOS127MS	66	0
27	SOS127MSD	66	0
28	SOS128	0 D	0
29	SOS128DL	0 D	0
30	SOS129	29	0

ADVISORY
QC LIMITS
(20-150)

S1 (DBC) = Dibutylchloroendate

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

30

2F
SOIL PESTICIDE SURROGATE RECOVERY

Site Name: RECRA ENVIRON Contract: _____
Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (DBC) #	OTHER
01	SOS130	23	0

ADVISORY
QC LIMITS
(20-150)

S1 (DBC) = Dibutylchloroendate

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: RECRA ENVIRON Contract: _____
Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
Matrix Spike - EPA Sample No.: SOS127 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	62.0	0	81.2	131 *	46-127
Heptachlor	62.0	0	73.2	118	35-130
Aldrin	62.0	0	69.4	112	34-132
Dieldrin	155	0	208	134	31-134
Endrin	155	0	180	116	42-139
4,4'-DDT	155	0	293	189 *	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
gamma-BHC (Lindane)	62.0	88.6	143 *	-9	50 46-127
Heptachlor	62.0	77.7	125	-6	31 35-130
Aldrin	62.0	80.2	129	-14	43 34-132
Dieldrin	155	164	106	23	38 31-134
Endrin	155	210	136	-16	45 42-139
4,4'-DDT	155	58.8	38	133 *	50 23-134

Column to be used to flag recovery and RPD values with an asterisk
Values outside of QC limits

RPD: 1 out of 6 outside limits
Spike Recovery: 3 out of 12 outside limits

COMMENTS:

3H

SOIL PESTICIDE MATRIX SPIKE BLANK RECOVERY

Lab Name: RECRA ENVIRONMENTAL

Contract: _____

Lab Code: RECNY Case No.: 4059 SAS No: _____ SDG No.: 113

Matrix Spike Blank I. D. # AS013647

COMPOUND	SPIKE ADDED (ug/Kg)	MSB CONCENTRATION (ug/Kg)	MSB % REC #	QC LIMITS % REC
gamma-BHC (Lindane)	53.3	65	122	75-125
Heptachlor	53.3	51	96	75-125
Aldrin	53.3	51	96	75-125
Dieldrin	133	150	113	75-125
Endrin	133	140	105	75-125
4,4-DDT	133	140	105	75-125

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits.

Comments: _____

4C
PESTICIDE METHOD BLANK SUMMARY

41

Lab Name: RECRA ENVIRON Contract: _____
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Lab Sample ID: AG000237 Lab File ID: 11532Z
 Matrix: (soil/water) SOIL Level: (low/med) LOW
 Date Extracted: 07/09/92 Extraction: (SepF/Cont/Sonc) SOMC
 Date Analyzed (1): 07/20/92 Date Analyzed (2): 07/20/92
 Time Analyzed (1): 2028 Time Analyzed (2): 2028
 Instrument ID (1): HP5890-5 Instrument ID (2): HP5890B5
 GC Column ID (1): DB608 GC Column ID (2): DB1701

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	MSB01	AS013647	07/20/92	07/20/92
02	SOS113	AS013629	07/20/92	07/20/92
03	SOS114	AS013630	07/21/92	07/21/92
04	SOS114DL	AS013630DL	07/20/92	07/20/92
05	SOS115	AS013631	07/21/92	07/21/92
06	SOS115DL	AS013631DL	07/21/92	07/21/92
07	SOS116	AS013632	07/21/92	07/21/92
08	SOS116DL	AS013632DL	07/21/92	07/21/92
09	SOS117	AS013633	07/21/92	07/21/92
10	SOS117DL	AS013633DL	07/21/92	07/21/92
11	SOS118	AS013634	07/21/92	07/21/92
12	SOS118DL	AS013634DL	07/21/92	07/21/92
13	SOS119	AS013635	07/21/92	07/21/92
14	SOS120	AS013636	07/21/92	07/21/92
15	SOS121	AS013637	07/21/92	07/21/92
16	SOS122	AS013638	07/21/92	07/21/92
17	SOS122DL	AS013638DL	07/21/92	07/21/92
18	SOS123	AS013639	07/21/92	07/21/92
19	SOS124	AS013640	07/21/92	07/21/92
20	SOS124DL	AS013640DL	07/21/92	07/21/92
21	SOS125	AS013641	07/21/92	07/21/92
22	SOS126	AS013642	07/21/92	07/21/92
23	SOS126DL	AS013642DL	07/21/92	07/21/92
24	SOS127	AS013643	07/21/92	07/21/92
25	SOS128	AS013644	07/22/92	07/22/92
26	SOS128DL	AS013644DL	07/22/92	07/22/92

COMMENTS:

4C
PESTICIDE METHOD BLANK SUMMARY

Lab Name: RECRA ENVIRON Contract: _____
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113
 Lab Sample ID: AG000237 Lab File ID: 11532Z
 Matrix: (soil/water) SOIL Level: (low/med) LOW
 Date Extracted: 07/09/92 Extraction: (SepF/Cont/Sonc) SONC
 Date Analyzed (1): 07/20/92 Date Analyzed (2): 07/20/92
 Time Analyzed (1): 2028 Time Analyzed (2): 2028
 Instrument ID (1): HP5890-5 Instrument ID (2): HP5890B5
 Column ID (1): DB608 GC Column ID (2): DB1701

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	=====	=====	=====	=====
01	SOS129	AS013645	07/22/92	07/22/92
02	SOS130	AS013646	07/22/92	07/22/92
03	SOS127MS	AS013643MS	07/21/92	07/21/92
04	SOS127MSD	AS013643SD	07/22/92	07/22/92

COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

43
EPA SAMPLE NO.

PBLK75

Lab Name: RECRA ENVIRON Contract: _____

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: 113

Matrix: (soil/water) SOIL Lab Sample ID: AG000237

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 115322

Level: (low/med) LOW Date Received: _____

Moisture: not dec. _____ dec. _____ Date Extracted: 07/09/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/20/92

PC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 2.00

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

CAS NO.	COMPOUND		
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	gamma-BHC (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	gamma-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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. **18**

SOS92

Lab Name: RECRA ENVIRON

Contract: NY92-405R

Lab Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SOS92

Matrix: (soil/water) SOIL

Lab Sample ID: AS010846

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: H8461

Level: (low/med) LOW

Date Received: 05/07/92

Moisture: not dec. 14

Date Analyzed: 05/12/92

Column: (pack/cap) PACK

Dilution Factor: 1.0

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

Q

D.V.S

74-87-3	-----Chloromethane	12	U
74-83-9	-----Bromomethane	12	U
75-01-4	-----Vinyl Chloride	12	U
75-00-3	-----Chloroethane	12	U
75-09-2	-----Methylene Chloride	6	U
67-64-1	-----Acetone	130	
75-15-0	-----Carbon Disulfide	6	
75-35-4	-----1,1-Dichloroethene	6	U
75-34-3	-----1,1-Dichloroethane	6	U
540-59-0	-----1,2-Dichloroethene (total)	6	U
67-66-3	-----Chloroform	6	U
107-06-2	-----1,2-Dichloroethane	6	U
78-93-3	-----2-Butanone	29	
71-55-6	-----1,1,1-Trichloroethane	6	U
56-23-5	-----Carbon Tetrachloride	6	U
108-05-4	-----Vinyl Acetate	12	U
75-27-4	-----Bromodichloromethane	6	U
78-87-5	-----1,2-Dichloropropane	6	U
10061-01-5	-----cis-1,3-dichloropropene	6	U
79-01-6	-----Trichloroethene	6	U
124-48-1	-----Dibromochloromethane	6	U
79-00-5	-----1,1,2-Trichloroethane	6	U
71-43-2	-----Benzene	6	U
10061-02-6	-----trans-1,3-dichloropropene	6	U
75-25-2	-----Bromoform	6	U
108-10-1	-----4-Methyl-2-Pentanone	12	U
591-78-6	-----2-Hexanone	12	U
127-18-4	-----Tetrachloroethene	6	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6	U
108-88-3	-----Toluene	11	
108-90-7	-----Chlorobenzene	6	U
100-41-4	-----Ethylbenzene	6	U
100-42-5	-----Styrene	6	U
1330-20-7	-----Total Xylenes	6	U

UJ

UJ

UJ

UJ

UJ

UJ

UJ

UJ

UJ

UJ

HS
2/11/95

1E
VOLATILE ORGANICS ANALYSTS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. **19**

SOS92

Lab Name: RECRA ENVIRON

Contract: NY92-405R

Lab Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SOS92

Matrix: (soil/water) SOIL

Lab Sample ID: AS010846

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: H8461

Level: (low/med) LOW

Date Received: 05/07/92

Moisture: not dec. 14

Date Analyzed: 05/12/92

Column (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	24.59	24	J
2.	UNKNOWN HYDROCARBON	25.46	8.4	J
3.	UNKNOWN HYDROCARBON	25.94	13	J
4.	UNKNOWN HYDROCARBON	27.82	19	J
5.	UNKNOWN HYDROCARBON	28.77	7.2	J
6.	UNKNOWN HYDROCARBON	30.51	17	J
7.	UNKNOWN HYDROCARBON	31.56	8.0	J
8.	UNKNOWN HYDROCARBON	32.39	10	J
9.	UNKNOWN	33.86	11	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS92RE

Lab Name: RECRA ENVIRONContract: NY92-405RLab Code: RECNYCase No.: 4057

SAS No.: _____

SDG No.: SOS92Matrix: (soil/water) SOILLab Sample ID: AS010846RISample wt/vol: 5.0 (g/mL) GLab File ID: H8839Level: (low/med) LOWDate Received: 05/07/92Moisture: not dec. 14Date Analyzed: 06/16/92Column: (pack/cap) PACKDilution Factor: 1.0

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

Q

D.V.A.

74-87-3-----	Chloromethane	12	U	UT
74-83-9-----	Bromomethane	12		UT
75-01-4-----	Vinyl Chloride	12	U	UT
75-00-3-----	Chloroethane	12	U	UT
75-09-2-----	Methylene Chloride	4	J	J
67-64-1-----	Acetone	13		J
75-15-0-----	Carbon Disulfide	6	U	UT
75-35-4-----	1,1-Dichloroethene	6	U	UT
75-34-3-----	1,1-Dichloroethane	6	U	UT
540-59-0-----	1,2-Dichloroethene (total)	6	U	UT
67-66-3-----	Chloroform	6	U	UT
107-06-2-----	1,2-Dichloroethane	6	U	UT
78-93-3-----	2-Butanone	12	U	UT
71-55-6-----	1,1,1-Trichloroethane	6	U	UT
56-23-5-----	Carbon Tetrachloride	6	U	UT
108-05-4-----	Vinyl Acetate	12	U	UT
75-27-4-----	Bromodichloromethane	6	U	UT
78-87-5-----	1,2-Dichloropropane	6	U	UT
10061-01-5-----	cis-1,3-dichloropropene	6	U	UT
79-01-6-----	Trichloroethene	6	U	UT
124-48-1-----	Dibromochloromethane	6	U	UT
79-00-5-----	1,1,2-Trichloroethane	6	U	UT
71-43-2-----	Benzene	6	U	UT
10061-02-6-----	trans-1,3-dichloropropene	6	U	UT
75-25-2-----	Bromoform	6	U	UT
108-10-1-----	4-Methyl-2-Pentanone	12	U	UT
591-78-6-----	2-Hexanone	12	U	UT
127-18-4-----	Tetrachloroethene	4	J	J
79-34-5-----	1,1,2,2-Tetrachloroethane	6	U	UT
108-88-3-----	Toluene	1	J	J
108-90-7-----	Chlorobenzene	6	U	UT
100-41-4-----	Ethylbenzene	6	U	UT
100-42-5-----	Styrene	6	U	UT
1330-20-7-----	Total Xylenes	6	U	UT

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SOS92RE

Lab Name: RECRA ENVIRON Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92

Matrix: (soil/water) SOIL Lab Sample ID: AS010846RI

Sample wt/vol: 5.0 (g/mL) G Lab File ID: H8839

Level: (low/med) LOW Date Received: 05/07/92

Moisture: not dec. 14 Date Analyzed: 06/16/92

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 6CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALKYL CYCLOALKANE	24.64	4.3	J
2.	UNKNOWN	27.67	6.0	J
3.	UNKNOWN	28.81	3.6	J
4.	UNKNOWN	30.52	5.6	J
5.	UNSATURATED HYDROCARBON	33.97	12	J
6.	UNSATURATED HYDROCARBON	34.34	5.3	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS93

Lab Name: RECRA ENVIRONContract: NY92-405RLab Code: RECNYCase No.: 4057

SAS No.: _____

SDG No.: SOS92Matrix: (soil/water) SOILLab Sample ID: AS010847Sample wt/vol: 4.0 (g/mL) GLab File ID: K0917Level: (low/med) MEDDate Received: 05/07/92% Moisture: not dec. 20Date Analyzed: 05/08/92Column: (pack/cap) CAPDilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q	
74-87-3	-----Chloromethane	1600	U	
74-83-9	-----Bromomethane	180	J	
75-01-4	-----Vinyl Chloride	1600	U	
75-00-3	-----Chloroethane	1600	U	
75-09-2	-----Methylene Chloride	780	U	
67-64-1	-----Acetone	1600	U	uJ
75-15-0	-----Carbon Disulfide	780	U	
75-35-4	-----1,1-Dichloroethene	780	U	
75-34-3	-----1,1-Dichloroethane	780	U	
540-59-0	-----1,2-Dichloroethene (total)	780	U	
67-66-3	-----Chloroform	780	U	
107-06-2	-----1,2-Dichloroethane	780	U	
78-93-3	-----2-Butanone	280	J	
71-55-6	-----1,1,1-Trichloroethane	780	U	
56-23-5	-----Carbon Tetrachloride	780	U	
108-05-4	-----Vinyl Acetate	1600	U	uJ
75-27-4	-----Bromodichloromethane	780	U	
78-87-5	-----1,2-Dichloropropane	780	U	
10061-01-5	-----cis-1,3-dichloropropene	780	U	
79-01-6	-----Trichloroethene	780	U	
124-48-1	-----Dibromochloromethane	780	U	
79-00-5	-----1,1,2-Trichloroethane	780	U	
71-43-2	-----Benzene	780	U	
10061-02-6	-----trans-1,3-dichloropropene	780	U	
75-25-2	-----Bromoform	780	U	
108-10-1	-----4-Methyl-2-Pentanone	1600	U	uJ
591-78-6	-----2-Hexanone	1600	U	uJ
127-18-4	-----Tetrachloroethene	780	U	
79-34-5	-----1,1,2,2-Tetrachloroethane	780	U	
108-88-3	-----Toluene	780	U	
108-90-7	-----Chlorobenzene	780	U	
100-41-4	-----Ethylbenzene	780	U	
100-42-5	-----Styrene	780	U	
1330-20-7	-----Total Xylenes	780	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SOS93

Lab Name: RECRA ENVIRON

Contract: NY92-405R

Lab Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SOS92

Matrix: (soil/water) SOIL

Lab Sample ID: AS010847

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: K0917

Level: (low/med) MED

Date Received: 05/07/92

% Moisture: not dec. 20

Date Analyzed: 05/08/92

Column (pack/cap) CAP

Dilution Factor: 1.0

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	20.87	58000	J
2.	UNKNOWN HYDROCARBON	21.12	75000	J
3.	UNKNOWN HYDROCARBON	21.42	76000	J
4.	UNKNOWN HYDROCARBON	21.87	51000	J
5.	UNKNOWN HYDROCARBON	22.17	76000	J
6.	UNKNOWN HYDROCARBON	22.27	30000	J
7.	UNKNOWN HYDROCARBON	22.60	94000	J
8.	UNKNOWN HYDROCARBON	23.15	41000	J
9.	UNKNOWN HYDROCARBON	23.97	37000	J
10.	BENZENE DERIVATIVE	24.45	28000	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS95

Lab Name: RECRA ENVIRON

Contract: NY92-405R

Lab Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SOS92

Matrix: (soil/water) SOIL

Lab Sample ID: AS010849

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: H8460

Level: (low/med) LOW

Date Received: 05/07/92

Moisture: not dec. 19

Date Analyzed: 05/12/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

Q

74-87-3-----	Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl Chloride	12	U
75-00-3-----	Chloroethane	12	U
75-09-2-----	Methylene Chloride	6	U
67-64-1-----	Acetone	140	
75-15-0-----	Carbon Disulfide	6	U
75-35-4-----	1,1-Dichloroethene	6	U
75-34-3-----	1,1-Dichloroethane	6	U
540-59-0-----	1,2-Dichloroethene (total)	6	U
67-66-3-----	Chloroform	6	U
107-06-2-----	1,2-Dichloroethane	6	U
78-93-3-----	2-Butanone	21	
71-55-6-----	1,1,1-Trichloroethane	6	U
56-23-5-----	Carbon Tetrachloride	6	U
108-05-4-----	Vinyl Acetate	12	U
75-27-4-----	Bromodichloromethane	6	U
78-87-5-----	1,2-Dichloropropane	6	U
10061-01-5-----	cis-1,3-dichloropropene	6	U
79-01-6-----	Trichloroethene	6	U
124-48-1-----	Dibromochloromethane	6	U
79-00-5-----	1,1,2-Trichloroethane	6	U
71-43-2-----	Benzene	6	U
10061-02-6-----	trans-1,3-dichloropropene	6	U
75-25-2-----	Bromoform	6	U
108-10-1-----	4-Methyl-2-Pentanone	12	U
591-78-6-----	2-Hexanone	12	U
127-18-4-----	Tetrachloroethene	6	U
79-34-5-----	1,1,2,2-Tetrachloroethane	6	U
108-88-3-----	Toluene	10	
108-90-7-----	Chlorobenzene	6	U
100-41-4-----	Ethylbenzene	6	U
100-42-5-----	Styrene	6	U
1330-20-7-----	Total Xylenes	14	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SOS95

Lab Name: RECRA ENVIRON Contract: NY92-405R
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
 Matrix: (soil/water) SOIL Lab Sample ID: AS010849
 Sample wt/vol: 5.1 (g/mL) G Lab File ID: H8460
 Level: (low/med) LOW Date Received: 05/07/92
 Moisture: not dec. 19 Date Analyzed: 05/12/92
 Column (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	20.19	17	J
2.	UNKNOWN HYDROCARBON	24.59	30	J
3.	UNKNOWN HYDROCARBON	25.44	11	J
4.	UNKNOWN HYDROCARBON	25.96	8.4	J
5.	UNKNOWN HYDROCARBON	27.92	7.0	J
6.	UNKNOWN HYDROCARBON	28.77	33	J
7.	UNKNOWN HYDROCARBON	30.51	26	J
8.	UNKNOWN HYDROCARBON	32.49	14	J
9.	UNKNOWN	34.06	7.0	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SOS95RE

Lab Name: RECRA ENVIRONContract: NY92-405RLab Code: RECNYCase No.: 4057

SAS No.: _____

SDG No.: SOS92Matrix: (soil/water) SOILLab Sample ID: AS010849RISample wt/vol: 5.2 (g/mL) GLab File ID: H8843Level: (low/med) LOWDate Received: 05/07/92Moisture: not dec. 19Date Analyzed: 06/16/92Column: (pack/cap) PACKDilution Factor: 1.0

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

Q

P.V.Q

CAS NO.	COMPOUND			
74-87-3	Chloromethane	12	U	UT
74-83-9	Bromomethane	6	J	J
75-01-4	Vinyl Chloride	12	U	UT
75-00-3	Chloroethane	12	U	UT
75-09-2	Methylene Chloride	4	J	J
67-64-1	Acetone	13		J
75-15-0	Carbon Disulfide	6	U	UT
75-35-4	1,1-Dichloroethene	6	U	UT
75-34-3	1,1-Dichloroethane	6	U	UT
540-59-0	1,2-Dichloroethene (total)	6	U	UT
67-66-3	Chloroform	6	U	UT
107-06-2	1,2-Dichloroethane	6	U	UT
78-93-3	2-Butanone	12	U	UT
71-55-6	1,1,1-Trichloroethane	6	U	UT
56-23-5	Carbon Tetrachloride	6	U	UT
108-05-4	Vinyl Acetate	12	U	UT
75-27-4	Bromodichloromethane	6	U	UT
78-87-5	1,2-Dichloropropane	6	U	UT
10061-01-5	cis-1,3-dichloropropene	6	U	UT
79-01-6	Trichloroethene	6	U	UT
124-48-1	Dibromochloromethane	6	U	UT
79-00-5	1,1,2-Trichloroethane	6	U	UT
71-43-2	Benzene	6	U	UT
10061-02-6	trans-1,3-dichloropropene	6	U	UT
75-25-2	Bromoform	6	U	UT
108-10-1	4-Methyl-2-Pentanone	12	U	UT
591-78-6	2-Hexanone	12	U	UT
127-18-4	Tetrachloroethene	8		J
79-34-5	1,1,2,2-Tetrachloroethane	6	U	UT
108-88-3	Toluene	2	J	J
108-90-7	Chlorobenzene	6	U	UT
100-41-4	Ethylbenzene	6	U	UT
100-42-5	Styrene	6	U	UT
1330-20-7	Total Xylenes	6	U	UT

HS
7/10/92

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

27

SOS95RE

Lab Name: RECRA ENVIRON

Contract: NY92-405R

Lab Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SOS92

Matrix: (soil/water) SOIL

Lab Sample ID: AS010849RI

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: H8843

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec. 19

Date Analyzed: 06/16/92

Column (pack/cap) PACK

Dilution Factor: 1.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	24.35	2.6	J
2.	TRIMETHYL CYCLOHEXANE ISOMER	24.60	4.7	J
3.	UNKNCWN	28.77	3.8	J
4.	TRIMETHYL CYCLOHEXANE ISOMER	30.52	4.1	J

CORRECTION

THE FOLLOWING DOCUMENTS
HAVE BEEN REPHOTOGRAPHED
TO ASSURE LEGIBILITY

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

27

SOS95RE

Lab Name: RECRA ENVIRON Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92

Matrix: (soil/water) SOIL Lab Sample ID: AS010849RI

Sample wt/vol: 5.2 (g/mL) G Lab File ID: H8843

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 19 Date Analyzed: 06/16/92

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	24.35	2.6	J
2.	TRIMETHYL CYCLOHEXANE ISOMER	24.60	4.7	J
3.	UNKNOWN	28.77	3.8	J
4.	TRIMETHYL CYCLOHEXANE ISOMER	30.52	4.1	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 28

SOS96

Lab Name: RECRA ENVIRON Contract: NY92-405R
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
 Matrix: (soil/water) SOIL Lab Sample ID: AS010850
 Sample wt/vol: 4.2 (g/mL) G Lab File ID: K0919
 Level: (low/med) MED Date Received: 05/07/92
 Moisture: not dec. 10 Date Analyzed: 05/09/92
 Column: (pack/cap) CAP Dilution Factor: 1.00

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

CAS NO.	COMPOUND	Q
74-87-3	Chloromethane	1300 U
74-83-9	Bromomethane	130 J
75-01-4	Vinyl Chloride	1300 U
75-00-3	Chloroethane	1300 U
75-09-2	Methylene Chloride	660 U
67-64-1	Acetone	1300 U
75-15-0	Carbon Disulfide	660 U
75-35-4	1,1-Dichloroethene	660 U
75-34-3	1,1-Dichloroethane	660 U
540-59-0	1,2-Dichloroethene (total)	660 U
67-66-3	Chloroform	660 U
107-06-2	1,2-Dichloroethane	660 U
78-93-3	2-Butanone	350 J
71-55-6	1,1,1-Trichloroethane	660 U
56-23-5	Carbon Tetrachloride	660 U
108-05-4	Vinyl Acetate	1300 U
75-27-4	Bromodichloromethane	660 U
78-87-5	1,2-Dichloropropane	660 U
10061-01-5	cis-1,3-dichloropropene	660 U
79-01-6	Trichloroethene	660 U
124-48-1	Dibromochloromethane	660 U
79-00-5	1,1,2-Trichloroethane	660 U
71-43-2	Benzene	660 U
10061-02-6	trans-1,3-dichloropropene	660 U
75-25-2	Bromoform	660 U
108-10-1	4-Methyl-2-Pentanone	1300 U
591-78-6	2-Hexanone	1300 U
127-18-4	Tetrachloroethene	660 U
79-34-5	1,1,2,2-Tetrachloroethane	660 U
108-88-3	Toluene	660 U
108-90-7	Chlorobenzene	660 U
100-41-4	Ethylbenzene	660 U
100-42-5	Styrene	660 U
1330-20-7	Total Xylenes	300 J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 29

SOS96

Lab Name: RECRA ENVIRON Contract: NY92-405R
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
 Matrix: (soil/water) SOIL Lab Sample ID: AS010850
 Sample wt/vol: 4.2 (g/mL) G Lab File ID: K0919
 Level: (low/med) MED Date Received: 05/07/92
 Moisture: not dec. 10 Date Analyzed: 05/09/92
 Column (pack/cap) CAP Dilution Factor: 1.00

Number TICs found: 10 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	21.07	9200	J
2.	UNKNOWN HYDROCARBON	22.12	20000	J
3.	UNKNOWN HYDROCARBON	22.59	13000	J
4.	UNKNOWN HYDROCARBON	23.12	4900	J
5.	UNKNOWN HYDROCARBON	23.20	4000	J
6.	UNKNOWN HYDROCARBON	23.32	5000	J
7.	UNKNOWN HYDROCARBON	23.95	15000	J
8.	BENZENE DERIVATIVE	24.15	2900	J
9.	UNKNOWN HYDROCARBON	24.27	8000	J
10.	UNKNOWN HYDROCARBON	24.97	9100	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 16

S097

Lab Name: RECRA ENVIRON Contract: NY92-405R
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: S0892
 Matrix: (soil/water) SOIL Lab Sample ID: AS011050
 Sample wt/vol: 5.1 (g/mL) G Lab File ID: H8457
 Level: (low/med) LOW Date Received: 05/08/92
 Moisture: not dec. 19 Date Analyzed: 05/12/92
 Column: (pack/cap) PACK Dilution Factor: 1.00

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

74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U

UJ

UJ

HS
1/14/92

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 17

S097

Lab Name: RECRA ENVIRON

Contract: NY92-405R

Lab Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SOS92

Matrix: (soil/water) SOIL

Lab Sample ID: AS011050

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: H8457

Level: (low/med) LOW

Date Received: 05/08/92

Moisture: not dec. 19

Date Analyzed: 05/12/92

Column (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

36

SOS92

Lab Name: RECRA ENVIRON

Contract: NY92-405R

Lab Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SOS92

Matrix: (soil/water) SOIL

Lab Sample ID: AS010846

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: 11147Z

Level: (low/med) LOW

Date Received: 05/07/92

Moisture: not dec. 11 dec. _____

Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/29/92

PC Cleanup: (Y/N) Y pH: 6.8

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q	P	R
108-95-2	Phenol	730	U		R
111-44-4	bis(2-Chloroethyl) Ether	730	U		R
95-57-8	2-Chlorophenol	730	U		R
541-73-1	1,3-Dichlorobenzene	730	U		R
106-46-7	1,4-Dichlorobenzene	730	U		R
100-51-6	Benzyl Alcohol	730	U		R
95-50-1	1,2-Dichlorobenzene	730	U		R
95-48-7	2-Methylphenol	730	U		R
108-60-1	bis(2-Chloroisopropyl) Ether	730	U		R
106-44-5	4-Methylphenol	810			R
621-64-7	N-Nitroso-Di-n-Propylamine	730	U		R
67-72-1	Hexachloroethane	730	U		R
98-95-3	Nitrobenzene	730	U		R
78-59-1	Isophorone	730	U		R
88-75-5	2-Nitrophenol	730	U		R
105-67-9	2,4-Dimethylphenol	730	U		R
65-85-0	Benzoic Acid	3500	U		R
111-91-1	bis(2-Chloroethoxy) Methane	730	U		R
120-83-2	2,4-Dichlorophenol	730	U		R
120-82-1	1,2,4-Trichlorobenzene	730	U		R
91-20-3	Naphthalene	210	J		R
106-47-8	4-Chloroaniline	730	U		R
87-68-3	Hexachlorobutadiene	730	U		R
59-50-7	4-Chloro-3-Methylphenol	730	U		R
91-57-6	2-Methylnaphthalene	730	U		R
77-47-4	Hexachlorocyclopentadiene	730	U		R
88-06-2	2,4,6-Trichlorophenol	730	U		R
95-95-4	2,4,5-Trichlorophenol	3500	U		R
91-58-7	2-Chloronaphthalene	730	U		R
88-74-4	2-Nitroaniline	3500	U		R
131-11-3	Dimethyl Phthalate	730	U		R
208-96-8	Acenaphthylene	730	U		R
606-20-2	2,6-Dinitrotoluene	730	U		R

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. **37**

SOS92

Lab Name: RECRA ENVIRON Contract: NY92-405R
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
 Matrix: (soil/water) SOIL Lab Sample ID: AS010846
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: 11147Z
 Level: (low/med) LOW Date Received: 05/07/92
 Moisture: not dec. 11 dec. _____ Date Extracted: 05/11/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/29/92
 PC Cleanup: (Y/N) Y pH: 6.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q	D.V.G.
99-09-2	3-Nitroaniline	3500	U	R R
83-32-9	Acenaphthene	730	U	
51-28-5	2,4-Dinitrophenol	3500	U	
100-02-7	4-Nitrophenol	3500	U	
132-64-9	Dibenzofuran	730	U	
121-14-2	2,4-Dinitrotoluene	730	U	
84-66-2	Diethylphthalate	730	U	
7005-72-3	4-Chlorophenyl-phenylether	730	U	
86-73-7	Fluorene	730	U	
100-01-6	4-Nitroaniline	3500	U	
534-52-1	4,6-Dinitro-2-Methylphenol	3500	U	
86-30-6	N-Nitrosodiphenylamine (1)	730	U	
101-55-3	4-Bromophenyl-phenylether	730	U	
118-74-1	Hexachlorobenzene	730	U	
87-86-5	Pentachlorophenol	3500	U	
85-01-8	Phenanthrene	730	U	
120-12-7	Anthracene	730	U	
84-74-2	Di-n-Butylphthalate	730	U	
206-44-0	Fluoranthene	730	U	
129-00-0	Pyrene	730	U	
85-68-7	Butylbenzylphthalate	730	U	
91-94-1	3,3'-Dichlorobenzidine	1500	U	
56-55-3	Benzo(a)Anthracene	730	U	
218-01-9	Chrysene	730	U	
117-81-7	Bis(2-Ethylhexyl) Phthalate	730	U	
117-84-0	Di-n-Octyl Phthalate	730	U	
205-99-2	Benzo(b) Fluoranthene	730	U	H 7/14
207-08-9	Benzo(k) Fluoranthene	730	U	
50-32-8	Benzo(a) Pyrene	730	U	
193-39-5	Indeno(1,2,3-cd) Pyrene	730	U	
53-70-3	Dibenz(a,h) Anthracene	730	U	
191-24-2	Benzo(g,h,i) Perylene	730	U	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

39

SOS92

Lab Name: RECRA ENVIRON Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92

Matrix: (soil/water) SOIL Lab Sample ID: AS010846

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 111472

Level: (low/med) LOW Date Received: 05/07/92

Moisture: not dec. 11 dec. _____ Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/29/92

C Cleanup: (Y/N) Y pH: 6.8 Dilution Factor: 1.0

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.44	2100	J
2.	UNKNOWN	11.29	3400	J
3.	UNKNOWN	12.02	1400	J
4.	UNKNOWN HYDROCARBON	12.32	2800	J
5.	UNKNOWN	12.74	750	J
6.	UNKNOWN	13.12	950	J
7.	UNKNOWN	20.42	1400	J
8.	UNKNOWN	20.90	1800	J
9.	UNKNOWN	26.64	900	J
10.	UNKNOWN	27.72	1900	J
11.	UNKNOWN	30.96	1300	J
12.	UNKNOWN	33.14	2800	J
13.	UNKNOWN	33.62	1800	J
14.	UNKNOWN	33.91	2200	J
15.	UNKNOWN HYDROCARBON	34.37	990	J
16.	UNKNOWN	34.64	1300	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. **39**

SOS93

Lab Name: RECRA ENVIRON Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92

Matrix: (soil/water) SOIL Lab Sample ID: AS010847

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 11011Z

Level: (low/med) LOW Date Received: 05/07/92

Moisture: not dec. 21 dec. _____ Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/14/92

PC Cleanup: (Y/N) Y pH: 7.5 Dilution Factor: 1.0

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

108-95-2-----	Phenol	820	U
111-44-4-----	bis(2-Chloroethyl) Ether	820	U
95-57-8-----	2-Chlorophenol	820	U
541-73-1-----	1,3-Dichlorobenzene	820	U
106-46-7-----	1,4-Dichlorobenzene	820	U
100-51-6-----	Benzyl Alcohol	820	U
95-50-1-----	1,2-Dichlorobenzene	820	U
95-48-7-----	2-Methylphenol	820	U
108-60-1-----	bis(2-Chloroisopropyl) Ether	820	U
106-44-5-----	4-Methylphenol	820	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	820	U
67-72-1-----	Hexachloroethane	820	U
98-95-3-----	Nitrobenzene	820	U
78-59-1-----	Isophorone	820	U
88-75-5-----	2-Nitrophenol	820	U
105-67-9-----	2,4-Dimethylphenol	820	U
65-85-0-----	Benzoic Acid	4000	U
111-91-1-----	bis(2-Chloroethoxy) Methane	820	U
120-83-2-----	2,4-Dichlorophenol	820	U
120-82-1-----	1,2,4-Trichlorobenzene	820	U
91-20-3-----	Naphthalene	140	J
106-47-8-----	4-Chloroaniline	820	U
87-68-3-----	Hexachlorobutadiene	820	U
59-50-7-----	4-Chloro-3-Methylphenol	820	U
91-57-6-----	2-Methylnaphthalene	820	U
77-47-4-----	Hexachlorocyclopentadiene	820	U
88-06-2-----	2,4,6-Trichlorophenol	820	U
95-95-4-----	2,4,5-Trichlorophenol	4000	U
91-58-7-----	2-Chloronaphthalene	820	U
88-74-4-----	2-Nitroaniline	4000	U
131-11-3-----	Dimethyl Phthalate	820	U
208-96-8-----	Acenaphthylene	820	U
606-20-2-----	2,6-Dinitrotoluene	820	U

EPA SAMPLE NO. 40

39395

Contract: NY92-405R

SAS No. : _____

SDG No.: SOS92

Lab Sample ID: AS010847

Lab File ID: 11011Z

Date Received: 05/07/92

Date Extracted: 05/11/92

Date Analyzed: 05/14/92

Dilution Factor: 1.0

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

CAS NO.

COMPOUND

Q. 7. 5. 2

99-09-2	3-Nitroaniline	4000	U
83-32-9	Acenaphthene	820	U
51-28-5	2,4-Dinitrophenol	4000	U
100-02-7	4-Nitrophenol	4000	U
132-64-9	Dibenzofuran	820	U
121-14-2	2,4-Dinitrotoluene	820	U
84-66-2	Diethylphthalate	820	U
7005-72-3	4-Chlorophenyl-phenylether	820	U
86-73-7	Fluorene	820	U
100-01-6	4-Nitroaniline	4000	U
534-52-1	4,6-Dinitro-2-Methylphenol	4000	U
86-30-6	N-Nitrosodiphenylamine (1)	820	U
101-55-3	4-Bromophenyl-phenylether	820	U
118-74-1	Hexachlorobenzene	820	U
87-86-5	Pentachlorophenol	4000	U
85-01-8	Phenanthrene	820	U
120-12-7	Anthracene	820	U
84-74-2	Di-n-Butylphthalate	820	U
206-44-0	Fluoranthene	820	U
129-00-0	Pyrene	820	U
85-68-7	Butylbenzylphthalate	820	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)Anthracene	820	U
218-01-9	Chrysene	820	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	820	U
117-84-0	Di-n-Octyl Phthalate	820	U
205-99-2	Benzo(b)Fluoranthene	820	U
207-08-9	Benzo(k)Fluoranthene	820	U
50-32-8	Benzo(a)Pyrene	820	U
193-39-5	Indeno(1,2,3-cd)Pyrene	820	U
53-70-3	Dibenz(a,h)Anthracene	820	U
191-24-2	Benzo(g,h,i)Perylene	820	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 REV.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SOS93

41

Lab Name: RECRA ENVIRON Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92

Matrix: (soil/water) SOIL Lab Sample ID: AS010847

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 110112

Level: (low/med) LOW Date Received: 05/07/92

Moisture: not dec. 21 dec. _____ Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/14/92

SPC Cleanup: (Y/N) Y pH: 7.5 Dilution Factor: 1.0

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

Number TICs found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	27.07	10000	J
2.	UNKNOWN	27.21	15000	J
3.	UNKNOWN HYDROCARBON	27.26	23000	J
4.	UNKNOWN	28.09	28000	J
5.	SATURATED HYDROCARBON	29.91	30000	J
6.	UNKNOWN	30.39	27000	J
7.	UNKNOWN	0.31	20000	J
8.	UNKNOWN HYDROCARBON	31.21	13000	J
9.	UNKNOWN	31.39	67000	J
10.	UNKNOWN HYDROCARBON	31.49	22000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

42

SOS95

Lab Name: RECRA ENVIRON Contract: NY92-405R
Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
Matrix: (soil/water) SOIL Lab Sample ID: AS010849
Sample wt/vol: 30.3 (g/mL) G Lab File ID: 110122
Level: (low/med) LOW Date Received: 05/07/92
Moisture: not dec. 14 dec. _____ Date Extracted: 05/11/92
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/14/92
GC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

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

CAS NO.

COMPOUND

Q

2.1.5

108-95-2	Phenol	760	U	UT
111-44-4	bis(2-Chloroethyl) Ether	760	U	UT
95-57-8	2-Chlorophenol	760	U	UT
541-73-1	1,3-Dichlorobenzene	760	U	UT
106-46-7	1,4-Dichlorobenzene	760	U	UT
100-51-6	Benzyl Alcohol	760	U	UT
95-50-1	1,2-Dichlorobenzene	760	U	UT
95-48-7	2-Methylphenol	760	U	UT
108-60-1	bis(2-Chloroisopropyl) Ether	760	U	UT
106-44-5	4-Methylphenol	760	U	UT
621-64-7	N-Nitroso-Di-n-Propylamine	760	U	UT
67-72-1	Hexachloroethane	760	U	UT
98-95-3	Nitrobenzene	760	U	UT
78-59-1	Isophorone	760	U	UT
88-75-5	2-Nitrophenol	760	U	UT
105-67-9	2,4-Dimethylphenol	760	U	UT
65-85-0	Benzoic Acid	3700	U	UT
111-91-1	bis(2-Chloroethoxy) Methane	760	U	UT
120-83-2	2,4-Dichlorophenol	760	U	UT
120-82-1	1,2,4-Trichlorobenzene	760	U	UT
91-20-3	Naphthalene	760	U	UT
106-47-8	4-Chloroaniline	760	U	UT
87-68-3	Hexachlorobutadiene	760	U	UT
59-50-7	4-Chloro-3-Methylphenol	760	U	UT
91-57-6	2-Methylnaphthalene	760	U	UT
77-47-4	Hexachlorocyclopentadiene	760	U	UT
88-06-2	2,4,6-Trichlorophenol	760	U	UT
95-95-4	2,4,5-Trichlorophenol	3700	U	UT
91-58-7	2-Chloronaphthalene	760	U	UT
88-74-4	2-Nitroaniline	3700	U	UT
131-11-3	Dimethyl Phthalate	760	U	UT
208-96-8	Acenaphthylene	760	U	UT
606-20-2	2,6-Dinitrotoluene	760	U	UT

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 43

SOS95

Lab Name: RECRA ENVIRON Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92

Matrix: (soil/water) SOIL Lab Sample ID: AS010849

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 11012Z

Level: (low/med) LOW Date Received: 05/07/92

Moisture: not dec. 14 dec. _____ Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/14/92

PC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q	
99-09-2-----	3-Nitroaniline	3700	U	UT
83-32-9-----	Acenaphthene	760	U	UT
51-28-5-----	2,4-Dinitrophenol	3700	U	UT
100-02-7-----	4-Nitrophenol	3700	U	UT
132-64-9-----	Dibenzofuran	760	U	UT
121-14-2-----	2,4-Dinitrotoluene	760	U	UT
84-66-2-----	Diethylphthalate	760	U	UT
7005-72-3-----	4-Chlorophenyl-phenylether	760	U	UT
86-73-7-----	Fluorene	760	U	UT
100-01-6-----	4-Nitroaniline	3700	U	UT
534-52-1-----	4,6-Dinitro-2-Methylphenol	3700	U	UT
86-30-6-----	N-Nitrosodiphenylamine (1)	760	U	UT
101-55-3-----	4-Bromophenyl-phenylether	760	U	UT
118-74-1-----	Hexachlorobenzene	760	U	UT
87-86-5-----	Pentachlorophenol	3700	U	UT
85-01-8-----	Phenanthrene	760	U	UT
120-12-7-----	Anthracene	760	U	UT
84-74-2-----	Di-n-Butylphthalate	760	U	UT
206-44-0-----	Fluoranthene	760	U	UT
129-00-0-----	Pyrene	760	U	UT
85-68-7-----	Butylbenzylphthalate	760	U	UT
91-94-1-----	3,3'-Dichlorobenzidine	1500	U	UT
56-55-3-----	Benzo(a)Anthracene	760	U	UT
218-01-9-----	Chrysene	760	U	UT
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	760	U	UT
117-84-0-----	Di-n-Octyl Phthalate	760	U	R
205-99-2-----	Benzo(b)Fluoranthene	760	U	R
207-08-9-----	Benzo(k)Fluoranthene	760	U	R
50-32-8-----	Benzo(a)Pyrene	760	U	R
193-39-5-----	Indeno(1,2,3-cd)Pyrene	760	U	R
53-70-3-----	Dibenz(a,h)Anthracene	760	U	R
191-24-2-----	Benzo(g,h,i)Perylene	760	U	R

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

44

SOS92

Lab Name: RECRA ENVIRON Contract: NY92-405R
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
 Matrix: (soil/water) SOIL Lab Sample ID: AS010849
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: 11012Z
 Level: (low/med) LOW Date Received: 05/07/92
 Moisture: not dec. 14 dec. _____ Date Extracted: 05/11/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/14/92
 PC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.67	4200	J
2.	UNKNOWN HYDROCARBON	20.17	58000	J
3.	UNKNOWN HYDROCARBON	22.87	6100	J
4.	SATURATED LONG CHAIN HYDROCA	25.29	150000	J
5.	UNKNOWN	25.97	43000	J
6.	UNKNOWN HYDROCARBON	26.46	160000	J
7.	UNKNOWN	26.92	72000	J
8.	UNKNOWN	27.12	60000	J
9.	UNKNOWN	27.34	42000	J
10.	UNKNOWN	27.42	41000	J
11.	UNKNOWN HYDROCARBON	27.96	52000	J
12.	UNKNOWN HYDROCARBON	28.24	46000	J
13.	UNKNOWN	28.59	26000	J
14.	UNKNOWN HYDROCARBON	29.41	130000	J
15.	UNKNOWN	30.01	110000	J
16.	UNKNOWN HYDROCARBON	30.22	110000	J
17.	UNKNOWN HYDROCARBON	31.16	130000	J
18.	UNKNOWN	32.94	25000	J
19.	UNKNOWN	33.12	24000	J
20.	UNKNOWN	35.31	4800	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

45

SOS96

Lab Name: RECRA ENVIRON Contract: NY92-405R
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
 Matrix: (soil/water) SOIL Lab Sample ID: AS010850
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: 11013Z
 Level: (low/med) LOW Date Received: 05/07/92
 Moisture: not dec. 9 dec. _____ Date Extracted: 05/11/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/14/92
 PC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

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

108-95-2	Phenol	710	U
111-44-4	bis(2-Chloroethyl) Ether	710	U
95-57-8	2-Chlorophenol	710	U
541-73-1	1,3-Dichlorobenzene	710	U
106-46-7	1,4-Dichlorobenzene	710	U
100-51-6	Benzyl Alcohol	710	U
95-50-1	1,2-Dichlorobenzene	710	U
95-48-7	2-Methylphenol	710	U
108-60-1	bis(2-Chloroisopropyl) Ether	710	U
106-44-5	4-Methylphenol	710	U
621-64-7	N-Nitroso-Di-n-Propylamine	710	U
67-72-1	Hexachloroethane	710	U
98-95-3	Nitrobenzene	710	U
78-59-1	Isophorone	710	U
88-75-5	2-Nitrophenol	710	U
105-67-9	2,4-Dimethylphenol	710	U
65-85-0	Benzoic Acid	3500	U
111-91-1	bis(2-Chloroethoxy) Methane	710	U
120-83-2	2,4-Dichlorophenol	710	U
120-82-1	1,2,4-Trichlorobenzene	710	U
91-20-3	Naphthalene	4700	U
106-47-8	4-Chloroaniline	710	U
87-68-3	Hexachlorobutadiene	710	U
59-50-7	4-Chloro-3-Methylphenol	710	U
91-57-6	2-Methylnaphthalene	710	U
77-47-4	Hexachlorocyclopentadiene	710	U
88-06-2	2,4,6-Trichlorophenol	710	U
95-95-4	2,4,5-Trichlorophenol	3500	U
91-58-7	2-Chloronaphthalene	710	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethyl Phthalate	710	U
208-96-8	Acenaphthylene	710	U
606-20-2	2,6-Dinitrotoluene	710	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 46

SOS96

Lab Name: RECRA ENVIRON Contract: NY92-405R
Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
Matrix: (soil/water) SOIL Lab Sample ID: AS010850
Sample wt/vol: 30.4 (g/mL) G Lab File ID: 11013Z
Level: (low/med) LOW Date Received: 05/07/92
Moisture: not dec. 9 dec. _____ Date Extracted: 05/11/92
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/14/92
EPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

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

99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	710	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	710	U
121-14-2	2,4-Dinitrotoluene	710	U
84-66-2	Diethylphthalate	710	U
7005-72-3	4-Chlorophenyl-phenylether	710	U
86-73-7	Fluorene	710	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-Methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine (1)	710	U
101-55-3	4-Bromophenyl-phenylether	710	U
118-74-1	Hexachlorobenzene	710	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	710	U
120-12-7	Anthracene	710	U
84-74-2	Di-n-Butylphthalate	710	U
206-44-0	Fluoranthene	710	U
129-00-0	Pyrene	710	U
85-68-7	Butylbenzylphthalate	710	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)Anthracene	710	U
218-01-9	Chrysene	710	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	710	U
117-84-0	Di-n-Octyl Phthalate	710	U
205-99-2	Benzo(b)Fluoranthene	710	U
207-08-9	Benzo(k)Fluoranthene	710	U
50-32-8	Benzo(a)Pyrene	710	U
193-39-5	Indeno(1,2,3-cd)Pyrene	710	U
53-70-3	Dibenz(a,h)Anthracene	710	U
191-24-2	Benzo(g,h,i)Perylene	710	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SOS96

47

Lab Name: RECRA ENVIRON

Contract: NY92-405R

Lab Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SOS92

Matrix: (soil/water) SOIL

Lab Sample ID: AS010850

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: 11013Z

Level: (low/med) LOW

Date Received: 05/07/92

Moisture: not dec. 9 dec. _____

Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/14/92

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

Dilution Factor: 1.0

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SATURATED HYDROCARBON	5.77	14000	J
2.	SATURATED HYDROCARBON	5.90	13000	J
3.	UNKNOWN HYDROCARBON	7.73	20000	J
4.	UNKNOWN HYDROCARBON	7.88	30000	J
5.	UNKNOWN	8.72	16000	J
6.	SATURATED HYDROCARBON	8.84	14000	J
7.	UNKNOWN HYDROCARBON	8.97	23000	J
8.	UNSATURATED HYDROCARBON	9.20	6400	J
9.	UNKNOWN HYDROCARBON	9.60	30000	J
10.	UNKNOWN HYDROCARBON	9.77	5300	J
11.	UNKNOWN	9.90	6500	J
12.	UNKNOWN	10.10	9600	J
13.	UNKNOWN	10.69	7100	J
14.	UNKNOWN HYDROCARBON	29.59	30000	J
15.	UNKNOWN	33.51	97000	J
16.	UNKNOWN HYDROCARBON	33.76	33000	J
17.	UNKNOWN HYDROCARBON	33.91	66000	J
18.	SATURATED HYDROCARBON	34.31	130000	J
19.	UNKNOWN HYDROCARBON	35.07	140000	J
20.	UNKNOWN	35.69	43000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. **30**

S097

Lab Name: RECRA ENVIRON Contract: NY92-405R
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
 Matrix: (soil/water) SOIL Lab Sample ID: AS011050
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: 11145Z
 Level: (low/med) LOW Date Received: 05/08/92
 Moisture: not dec. 17 dec. _____ Date Extracted: 05/22/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/29/92
 APC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q 2.56

108-95-2-----	Phenol	780	U
111-44-4-----	bis(2-Chloroethyl) Ether	780	U
95-57-8-----	2-Chlorophenol	780	U
541-73-1-----	1,3-Dichlorobenzene	780	U
106-46-7-----	1,4-Dichlorobenzene	780	U
100-51-6-----	Benzyl Alcohol	780	U
95-50-1-----	1,2-Dichlorobenzene	780	U
95-48-7-----	2-Methylphenol	780	U
108-60-1-----	bis(2-Chloroisopropyl) Ether	780	U
106-44-5-----	4-Methylphenol	780	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	780	U
67-72-1-----	Hexachloroethane	780	U
98-95-3-----	Nitrobenzene	780	U
78-59-1-----	Isophorone	780	U
88-75-5-----	2-Nitrophenol	780	U
105-67-9-----	2,4-Dimethylphenol	780	U
65-85-0-----	Benzoic Acid	3800	U
111-91-1-----	bis(2-Chloroethoxy) Methane	780	U
120-83-2-----	2,4-Dichlorophenol	780	U
120-82-1-----	1,2,4-Trichlorobenzene	780	U
91-20-3-----	Naphthalene	780	U
106-47-8-----	4-Chloroaniline	780	U
87-68-3-----	Hexachlorobutadiene	780	U
59-50-7-----	4-Chloro-3-Methylphenol	780	U
91-57-6-----	2-Methylnaphthalene	780	U
77-47-4-----	Hexachlorocyclopentadiene	780	U
88-06-2-----	2,4,6-Trichlorophenol	780	U
95-95-4-----	2,4,5-Trichlorophenol	3800	U
91-58-7-----	2-Chloronaphthalene	780	U
88-74-4-----	2-Nitroaniline	3800	U
131-11-3-----	Dimethyl Phthalate	780	U
208-96-8-----	Acenaphthylene	780	U
606-20-2-----	2,6-Dinitrotoluene	780	U

MS
11/4/92

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 31

S097

Lab Name: RECRA ENVIRON Contract: NY92-405R
Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
Matrix: (soil/water) SOIL Lab Sample ID: AS011050
Sample wt/vol: 30.5 (g/mL) G Lab File ID: 11145Z
Level: (low/med) LOW Date Received: 05/08/92
Moisture: not dec. 17 dec. _____ Date Extracted: 05/22/92
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/29/92
PC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q	D.V.G.
99-09-2	3-Nitroaniline	3800	U	
83-32-9	Acenaphthene	780	U	
51-28-5	2,4-Dinitrophenol	3800	U	
100-02-7	4-Nitrophenol	3800	U	
132-64-9	Dibenzofuran	780	U	
121-14-2	2,4-Dinitrotoluene	780	U	
84-66-2	Diethylphthalate	780	U	
7005-72-3	4-Chlorophenyl-phenylether	780	U	
86-73-7	Fluorene	780	U	
100-01-6	4-Nitroaniline	3800	U	
534-52-1	4,6-Dinitro-2-Methylphenol	3800	U	
86-30-6	N-Nitrosodiphenylamine (1)	780	U	
101-55-3	4-Bromophenyl-phenylether	780	U	
118-74-1	Hexachlorobenzene	780	U	
87-86-5	Pentachlorophenol	3800	U	
85-01-8	Phenanthrene	120	J	
120-12-7	Anthracene	780	U	
84-74-2	Di-n-Butylphthalate	830	B	u
206-44-0	Fluoranthene	260	J	
129-00-0	Pyrene	780	U	
85-68-7	Butylbenzylphthalate	780	U	
91-94-1	3,3'-Dichlorobenzidine	1600	U	
56-55-3	Benzo(a)Anthracene	780	U	
218-01-9	Chrysene	780	U	
117-81-7	Bis(2-Ethylhexyl)Phthalate	69	J	
117-84-0	Di-n-Octyl Phthalate	780	U	
205-99-2	Benzo(b)Fluoranthene	190	J	
207-08-9	Benzo(k)Fluoranthene	75	J	
50-32-8	Benzo(a)Pyrene	110	J	
193-39-5	Indeno(1,2,3-cd)Pyrene	95	J	
53-70-3	Dibenz(a,h)Anthracene	780	U	
191-24-2	Benzo(g,h,i)Perylene	62	J	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. **32**

S097

Lab Name: RECRA ENVIRON Contract: NY92-405R
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: S0S92
 Matrix: (soil/water) SOIL Lab Sample ID: AS011050
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: 11145Z
 Level: (low/med) LOW Date Received: 05/08/92
 Moisture: not dec. 17 dec. _____ Date Extracted: 05/22/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/29/92
 HPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

Number TICs found: 3 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.55	1600	BJ
2.	SATURATED HYDROCARBON	32.51	360	J
3.	SATURATED HYDROCARBON	34.22	530	J

D.V.G.
u

MS
7/11/95

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 33

S098

Lab Name: RECRA ENVIRON Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: S0S92

Matrix: (soil/water) SOIL Lab Sample ID: AS011051

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 11060Z

Level: (low/med) LOW Date Received: 05/08/92

Moisture: not dec. 12 dec. _____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/19/92

PC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

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	740	U
111-44-4	bis(2-Chloroethyl) Ether	740	U
95-57-8	2-Chlorophenol	740	U
541-73-1	1,3-Dichlorobenzene	740	U
106-46-7	1,4-Dichlorobenzene	740	U
100-51-6	Benzyl Alcohol	740	U
95-50-1	1,2-Dichlorobenzene	740	U
95-48-7	2-Methylphenol	740	U
108-60-1	bis(2-Chloroisopropyl) Ether	740	U
106-44-5	4-Methylphenol	740	U
621-64-7	N-Nitroso-Di-n-Propylamine	740	U
67-72-1	Hexachloroethane	740	U
98-95-3	Nitrobenzene	740	U
78-59-1	Isophorone	740	U
88-75-5	2-Nitrophenol	740	U
105-67-9	2,4-Dimethylphenol	740	U
65-85-0	Benzoic Acid	3600	U
111-91-1	bis(2-Chloroethoxy)Methane	740	U
120-83-2	2,4-Dichlorophenol	740	U
120-82-1	1,2,4-Trichlorobenzene	740	U
91-20-3	Naphthalene	740	U
106-47-8	4-Chloroaniline	740	U
87-68-3	Hexachlorobutadiene	740	U
59-50-7	4-Chloro-3-Methylphenol	740	U
91-57-6	2-Methylnaphthalene	740	U
77-47-4	Hexachlorocyclopentadiene	740	U
88-06-2	2,4,6-Trichlorophenol	740	U
95-95-4	2,4,5-Trichlorophenol	3600	U
91-58-7	2-Chloronaphthalene	740	U
88-74-4	2-Nitroaniline	3600	U
131-11-3	Dimethyl Phthalate	740	U
208-96-8	Acenaphthylene	150	J
606-20-2	2,6-Dinitrotoluene	740	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S098

Lab Name: RECRA ENVIRON Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92

Matrix: (soil/water) SOIL Lab Sample ID: AS011051

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 11060Z

Level: (low/med) LOW Date Received: 05/08/92

Moisture: not dec. 12 dec. _____ Date Extracted: 05/12/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/19/92

PC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

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
99-09-2	3-Nitroaniline	3600	U
83-32-9	Acenaphthene	100	J
51-28-5	2,4-Dinitrophenol	3600	U
100-02-7	4-Nitrophenol	3600	U
132-64-9	Dibenzofuran	740	U
121-14-2	2,4-Dinitrotoluene	740	U
84-66-2	Diethylphthalate	740	U
7005-72-3	4-Chlorophenyl-phenylether	740	U
86-73-7	Fluorene	740	U
100-01-6	4-Nitroaniline	3600	U
534-52-1	4,6-Dinitro-2-Methylphenol	3600	U
86-30-6	N-Nitrosodiphenylamine (1)	740	U
101-55-3	4-Bromophenyl-phenylether	740	U
118-74-1	Hexachlorobenzene	740	U
87-86-5	Pentachlorophenol	3600	U
85-01-8	Phenanthrene	2200	
120-12-7	Anthracene	310	J
84-74-2	Di-n-Butylphthalate	740	U
206-44-0	Fluoranthene	4100	
129-00-0	Pyrene	4200	
85-68-7	Butylbenzylphthalate	740	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)Anthracene	1900	
218-01-9	Chrysene	2000	
117-81-7	Bis(2-Ethylhexyl)Phthalate	250	J
117-84-0	Di-n-Octyl Phthalate	740	U
205-99-2	Benzo(b)Fluoranthene	2500	
207-08-9	Benzo(k)Fluoranthene	1100	
50-32-8	Benzo(a)Pyrene	1700	
193-39-5	Indeno(1,2,3-cd)Pyrene	1000	
53-70-3	Dibenz(a,h)Anthracene	220	J
191-24-2	Benzo(g,h,i)Perylene	670	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

35

SO98

Lab Name: RECRA ENVIRON Contract: NY92-405R
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
 Matrix: (soil/water) SOIL Lab Sample ID: AS011051
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: 11060Z
 Level: (low/med) LOW Date Received: 05/08/92
 Moisture: not dec. 12 dec. _____ Date Extracted: 05/12/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/19/92
 PC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

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

Number TICs found: 12

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.47	3200	J
2.	UNKNOWN	5.82	470	J
3.	PAH DERIVATIVE	22.00	340	J
4.	PAH DERIVATIVE	22.09	360	J
5.	UNKNOWN	22.99	540	J
6.	PAH DERIVATIVE	24.74	1800	J
7.	UNKNOWN	25.57	1100	J
8.	PAH DERIVATIVE	25.86	310	J
9.	PAH DERIVATIVE	32.21	1300	J
10.	UNKNOWN	32.52	3000	J
11.	UNKNOWN HYDROCARBON	34.54	540	J
12.	UNKNOWN	35.72	430	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

48

S097

Lab Name: RECRA ENVIRON Contract: _____
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
 Matrix: (soil/water) SOIL Lab Sample ID: AS011050
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____
 Level: (low/med) LOW Date Received: 05/08/92
 Moisture: not dec. 17 dec. _____ Date Extracted: 05/12/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/27/92
 APC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.00

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

CAS NO.

COMPOUND

Q 2V8

319-84-6-----	alpha-BHC	19	U
319-85-7-----	beta-BHC	19	U
319-86-8-----	delta-BHC	19	U
58-89-9-----	gamma-BHC(Lindane)	19	U
76-44-8-----	Heptachlor	19	U
309-00-2-----	Aldrin	19	U
1024-57-3-----	Heptachlor epoxide	19	U
959-98-8-----	Endosulfan I	19	U
60-57-1-----	Dieldrin	38	U
72-55-9-----	4,4'-DDE	16	J
72-20-8-----	Endrin	19	J
33213-65-9-----	Endosulfan II	38	U
72-54-8-----	4,4'-DDD	38	U
1031-07-8-----	Endosulfan sulfate	38	U
50-29-3-----	4,4'-DDT	12	J
72-43-5-----	Methoxychlor	190	U
53494-70-5-----	Endrin ketone	38	U
5103-71-9-----	alpha-chlordane	3.4	J
5103-74-2-----	gamma-chlordane	190	U
8001-35-2-----	Toxaphene	380	U
12674-11-2-----	Aroclor-1016	190	U
11104-28-2-----	Aroclor-1221	190	U
11141-16-5-----	Aroclor-1232	190	U
53469-21-9-----	Aroclor-1242	190	U
12672-29-6-----	Aroclor-1248	190	U
11097-69-1-----	Aroclor-1254	380	U
11096-82-5-----	Aroclor-1260	380	U

HS
7/14/92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

49

SOS93

Lab Name: RECRA ENVIRON

Contract: _____

Lab Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SOS92

Matrix: (soil/water) SOIL

Lab Sample ID: AS010847

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

Lab File ID: _____

Level: (low/med) LOW

Date Received: 05/07/92

Moisture: not dec. 21 dec. _____

Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/27/92

PC Cleanup: (Y/N) Y pH: 7.5

Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
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319-84-6	alpha-BHC	100	U
319-85-7	beta-BHC	100	U
319-86-8	delta-BHC	100	U
58-89-9	gamma-BHC (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	gamma-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	6500	U
11096-82-5	Aroclor-1260	2000	U

HS
11/4/92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

50

SOS94

Name: RECRA ENVIRON

Contract: _____

Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SOS92

Matrix: (soil/water) SOIL

Lab Sample ID: AS010848

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: _____

Level: (low/med) LOW

Date Received: 05/07/92

Moisture: not dec. 14 dec. _____

Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 05/27/92

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

Dilution Factor: 1.00

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	18	U
319-85-7-----	beta-BHC	7.3	J
319-86-8-----	delta-BHC	18	U
58-89-9-----	gamma-BHC(Lindane)	18	U
76-44-8-----	Heptachlor	18	U
309-00-2-----	Aldrin	18	U
1024-57-3-----	Heptachlor epoxide	18	U
959-98-8-----	Endosulfan I	18	U
60-57-1-----	Dieldrin	36	U
72-55-9-----	4,4'-DDE	36	U
72-20-8-----	Endrin	36	U
33213-65-9-----	Endosulfan II	36	U
72-54-8-----	4,4'-DDD	36	U
1031-07-8-----	Endosulfan sulfate	36	U
50-29-3-----	4,4'-DDT	36	U
72-43-5-----	Methoxychlor	180	U
53494-70-5-----	Endrin ketone	36	U
5103-71-9-----	alpha-chlordane	180	U
5103-74-2-----	gamma-chlordane	180	U
8001-35-2-----	Toxaphene	360	U
12674-11-2-----	Aroclor-1016	180	U
11104-28-2-----	Aroclor-1221	180	U
11141-16-5-----	Aroclor-1232	180	U
53469-21-9-----	Aroclor-1242	180	U
12672-29-6-----	Aroclor-1248	180	U
11097-69-1-----	Aroclor-1254	360	U
11096-82-5-----	Aroclor-1260	360	U

48
7/11/92

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

51

SOS95

Name: RECRA ENVIRON Contract: _____
Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
Matrix: (soil/water) SOIL Lab Sample ID: AS010849
Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____
Level: (low/med) LOW Date Received: 05/07/92
Moisture: not dec. 14 dec. _____ Date Extracted: 05/11/92
Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/27/92
Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q 2.1.6

319-84-6-----	alpha-BHC	18	U
319-85-7-----	beta-BHC	18	U
319-86-8-----	delta-BHC	18	U
58-89-9-----	gamma-BHC (Lindane)	18	U
76-44-8-----	Heptachlor	18	U
309-00-2-----	Aldrin	18	U
1024-57-3-----	Heptachlor epoxide	18	U
959-98-8-----	Endosulfan I	18	U
60-57-1-----	Dieldrin	15	J
72-55-9-----	4,4'-DDE	37	U
72-20-8-----	Endrin	14	J
33213-65-9-----	Endosulfan II	37	U
72-54-8-----	4,4'-DDD	37	U
1031-07-8-----	Endosulfan sulfate	37	U
50-29-3-----	4,4'-DDT	16	J
72-43-5-----	Methoxychlor	180	U
53494-70-5-----	Endrin ketone	37	U
5103-71-9-----	alpha-chlordane	1.3	J
5103-74-2-----	gamma-chlordane	3.2	J
8001-35-2-----	Toxaphene	370	U
12674-11-2-----	Aroclor-1016	180	U
11104-28-2-----	Aroclor-1221	180	U
11141-16-5-----	Aroclor-1232	180	U
53469-21-9-----	Aroclor-1242	180	U
12672-29-6-----	Aroclor-1248	180	U
11097-69-1-----	Aroclor-1254	370	U
11096-82-5-----	Aroclor-1260	370	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

52

SOS96

b Name: RECRA ENVIRON Contract: _____
 b Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SOS92
 Matrix: (soil/water) SOIL Lab Sample ID: AS010850
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____
 Vol: (low/med) LOW Date Received: 05/07/92
 Moisture: not dec. 9 dec. _____ Date Extracted: 05/11/92
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 05/27/92
 Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

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

319-84-6	alpha-BHC	17	U
319-85-7	beta-BHC	17	U
319-86-8	delta-BHC	17	U
58-89-9	gamma-BHC (Lindane)	17	U
76-44-8	Heptachlor	17	U
309-00-2	Aldrin	17	U
1024-57-3	Heptachlor epoxide	17	U
959-98-8	Endosulfan I	3.4	J
60-57-1	Dieldrin	13	J
72-55-9	4,4'-DDE	35	U
72-20-8	Endrin	7.6	J
33213-65-9	Endosulfan II	14	J
72-54-8	4,4'-DDD	35	U
1031-07-8	Endosulfan sulfate	35	U
50-29-3	4,4'-DDT	5.9	J
72-43-5	Methoxychlor	49	J
53494-70-5	Endrin ketone	22	J
5103-71-9	alpha-chlordane	6.3	J
5103-74-2	gamma-chlordane	170	U
8001-35-2	Toxaphene	350	U
12674-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	170	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	170	U
12672-29-6	Aroclor-1248	170	U
11097-69-1	Aroclor-1254	350	U
11096-82-5	Aroclor-1260	350	U

HS
11/2/92

NYSDEC-ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO. 54

SO-S92

Name: RECRA_ENVIRONMENTAL_INC. Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: SDG No.: SOS92

Matrix (soil/water): SOIL

Lab Sample ID: 5344

Level (low/med): LOW

Date Received: 05/07/92

Solids: 86.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1640	-	E	P
7440-36-0	Antimony	3410	-	N	P
7440-38-2	Arsenic	35.4	-	+N	F
7440-39-3	Barium	389	-	-	P
7440-41-7	Beryllium	1.2	U	-	P
7440-43-9	Cadmium	1.9	B	N	F
7440-70-2	Calcium	4880	-	-	P
7440-47-3	Chromium	739	-	-	A
7440-48-4	Cobalt	9.9	B	-	P
7440-50-8	Copper	1230	-	-	P
7439-89-6	Iron	176000	-	E	P
7439-92-1	Lead	55900	-	-	P
7439-95-4	Magnesium	993	B	E	P
7439-96-5	Manganese	798	-	E	P
7439-97-6	Mercury	0.28	-	-	CV
7440-02-0	Nickel	1070	-	-	P
7440-09-7	Potassium	228	B	-	P
7782-49-2	Selenium	1.2	U	N	F
7440-22-4	Silver	2.4	U	N	P
7440-23-5	Sodium	582	B	-	P
7440-28-0	Thallium	1.6	U	-	F
7440-62-2	Vanadium	46.3	U	-	P
7440-66-6	Zinc	637	-	N*	P
	Cyanide	32.8	-	-	C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: AS010846

RE-DIGESTION ID: 5640

NYSDEC-ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

55

SO-S93

Name: RECRA_ENVIRONMENTAL_INC. Contract: NY92-405R

Code: RECNY Case No.: 4057 SAS No.: SDG No.: SOS92

Matrix (soil/water): SOIL

Lab Sample ID: 5345

Level (low/med): LOW

Date Received: 05/07/92

Solids: 80.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12800	-	E	P
7440-36-0	Antimony	11.5	B	N	P
7440-38-2	Arsenic	15.9	-	SN	F
7440-39-3	Barium	131	-	-	P
7440-41-7	Beryllium	1.3	U	-	P
7440-43-9	Cadmium	6.4	B	SN	F
7440-70-2	Calcium	7960	-	-	P
7440-47-3	Chromium	479	-	-	A
7440-48-4	Cobalt	16.3	-	-	P
7440-50-8	Copper	105	-	-	P
7439-89-6	Iron	60500	-	E	P
7439-92-1	Lead	46.6	-	-	F
7439-95-4	Magnesium	7070	-	E	P
7439-96-5	Manganese	1300	-	E	P
7439-97-6	Mercury	0.15	-	-	CV
7440-02-0	Nickel	164	-	-	P
7440-09-7	Potassium	1040	B	-	P
7782-49-2	Selenium	1.2	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-23-5	Sodium	328	B	-	P
7440-28-0	Thallium	1.7	U	-	F
7440-62-2	Vanadium	21.6	-	-	P
7440-66-6	Zinc	106	-	N*	P
	Cyanide	51.7	-	-	C

Color Before: BROWN

Clarity Before:

Texture: COARSE

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

LAB SAMPLE ID: AS010847

RE-DIGESTION ID: 5641

NYSDEC-ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO. 56

SO-S94

Name: RECRA_ENVIRONMENTAL_INC. Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: SDG No.: SOS92

Matrix (soil/water): SOIL

Lab Sample ID: 5346

Level (low/med): LOW

Date Received: 05/07/92

Solids: 86.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14900	-	E	P
7440-36-0	Antimony	11.4	B	N	P
7440-38-2	Arsenic	1.9	B	N	F
7440-39-3	Barium	51.8	-	-	P
7440-41-7	Beryllium	1.2	U	-	P
7440-43-9	Cadmium	0.19	B	N	F
7440-70-2	Calcium	2890	-	-	P
7440-47-3	Chromium	17.4	-	-	A
7440-48-4	Cobalt	14.8	-	-	P
7440-50-8	Copper	30.6	-	-	P
7439-89-6	Iron	23900	-	E	P
7439-92-1	Lead	14.2	-	S	F
7439-95-4	Magnesium	5440	-	E	P
7439-96-5	Manganese	297	-	E	P
7439-97-6	Mercury	0.13	-	-	CV
7440-02-0	Nickel	29.7	-	-	P
7440-09-7	Potassium	1680	-	-	P
7782-49-2	Selenium	1.2	U	N	F
7440-22-4	Silver	2.3	U	N	P
7440-23-5	Sodium	461	B	-	P
7440-28-0	Thallium	1.7	U	-	F
7440-62-2	Vanadium	18.6	-	-	P
7440-66-6	Zinc	79.1	-	N*	P
	Cyanide	1.4	U	-	C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: AS010848

RE-DIGESTION ID: 5642

FORM I - IN

9/89

NYSDEC-ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO. 57

S0-S95

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: SDG No.: SOS92

Matrix (soil/water): SOIL

Lab Sample ID: 5347

Level (low/med): LOW

Date Received: 05/07/92

Solids: 81.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8890	-	E	P
7440-36-0	Antimony	10.0	U	N	P
7440-38-2	Arsenic	8.1	-	SN	F
7440-39-3	Barium	148	-	-	P
7440-41-7	Beryllium	1.2	U	-	P
7440-43-9	Cadmium	0.79	B	N	F
7440-70-2	Calcium	2790	-	-	P
7440-47-3	Chromium	123	-	-	A
7440-48-4	Cobalt	9.3	B	-	P
7440-50-8	Copper	52.0	-	-	P
7439-89-6	Iron	47600	-	E	P
7439-92-1	Lead	63.8	-	S	F
7439-95-4	Magnesium	3070	-	E	P
7439-96-5	Manganese	554	-	E	P
7439-97-6	Mercury	0.11	U	-	CV
7440-02-0	Nickel	70.3	-	-	P
7440-09-7	Potassium	845	B	-	P
7782-49-2	Selenium	1.2	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-23-5	Sodium	370	B	-	P
7440-28-0	Thallium	1.7	U	-	F
7440-62-2	Vanadium	24.1	-	-	P
7440-66-6	Zinc	269	-	N*	P
	Cyanide	1.5	U	-	C

Color Before: BROWN

Clarity Before:

Texture: COARSE

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

LAB SAMPLE ID: AS010849

RE-DIGESTION ID: 5643

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

SO-S96

Name: RECRA_ENVIRONMENTAL_INC. Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: SDG No.: SOS92

Matrix (soil/water): SOIL Lab Sample ID: 5348

Level (low/med): LOW Date Received: 05/07/92

Solids: 90.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1500	-	E	P
7440-36-0	Antimony	8.7	U	N	P
7440-38-2	Arsenic	2.0	B	N	F
7440-39-3	Barium	13.0	B	-	P
7440-41-7	Beryllium	1.1	U	-	P
7440-43-9	Cadmium	1.6	B	N	F
7440-70-2	Calcium	1440	-	-	P
7440-47-3	Chromium	53.7	-	-	A
7440-48-4	Cobalt	4.4	U	-	P
7440-50-8	Copper	23.6	-	-	P
7439-89-6	Iron	12900	-	E	P
7439-92-1	Lead	31.2	-	+	F
7439-95-4	Magnesium	647	B	E	P
7439-96-5	Manganese	102	-	E	P
7439-97-6	Mercury	0.11	U	-	CV
7440-02-0	Nickel	22.3	-	-	P
7440-09-7	Potassium	187	B	-	P
7782-49-2	Selenium	1.1	U	N	F
7440-22-4	Silver	2.2	U	N	P
7440-23-5	Sodium	208	B	-	P
7440-28-0	Thallium	1.6	U	-	F
7440-62-2	Vanadium	4.4	U	-	P
7440-66-6	Zinc	38.1	-	N*	P
	Cyanide	1.3	U	-	C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: AS010850

RE-DIGESTION ID: 5644

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

SO-S97

Name: RECRA_ENVIRONMENTAL_INC. Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: SDG No.: SOS92

Matrix (soil/water): SOIL Lab Sample ID: 5349

Level (low/med): LOW Date Received: 05/08/92

Solids: 81.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17500	-	E	P
7440-36-0	Antimony	10.0	U	N	P
7440-38-2	Arsenic	6.0	-	SN	F
7440-39-3	Barium	78.2	-	-	P
7440-41-7	Beryllium	1.2	U	-	P
7440-43-9	Cadmium	0.27	B	SN	F
7440-70-2	Calcium	1600	-	-	P
7440-47-3	Chromium	15.9	-	-	A
7440-48-4	Cobalt	11.4	B	-	P
7440-50-8	Copper	17.7	-	-	P
7439-89-6	Iron	27500	-	E	P
7439-92-1	Lead	47.2	-	-	F
7439-95-4	Magnesium	5450	-	E	P
7439-96-5	Manganese	930	-	E	P
7439-97-6	Mercury	0.11	U	-	CV
7440-02-0	Nickel	36.9	-	-	P
7440-09-7	Potassium	1030	B	-	P
7782-49-2	Selenium	1.2	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-23-5	Sodium	253	B	-	P
7440-28-0	Thallium	1.7	U	-	F
7440-62-2	Vanadium	24.7	-	-	P
7440-66-6	Zinc	124	-	N*	P
	Cyanide	1.5	U	-	C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: AS011050

RE-DIGESTION ID: 5645

NYSDEC-ASP

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1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

S0-98

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY92-405R

Lab Code: RECNY Case No.: 4057 SAS No.: SDG No.: SOS92

Matrix (soil/water): SOIL Lab Sample ID: AS011051

Level (low/med): LOW Date Received: 05/08/92

Solids: 88.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide	1.4	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

LAB_SAMPLE_ID: AS011051

APPENDIX B

PHASE II BUILDING SAMPLE

LABORATORY SUMMARY SHEETS



**RECRA
ENVIRONMENTAL
INC.**

June 24, 1992



Chemical and Environmental Analysis Services

Mr. William Lilley
Engineering Science, Inc.
290 Elwood Davis Road
Liverpool, NY 13088

RE: Analytical Results

Dear Mr. Lilley:

Please find enclosed results concerning the analyses of the samples recently submitted by your firm. Partial preliminary results were sent to Engineering Science, Inc. personnel on 5/4/92. The Pertinent Information regarding these analyses is listed below:

Quote #: NY92-0405R
Case #: 4057
SDG #: Blank; SFW 1
Project Name: Schatz Plant Phase II
Matrix: Wipe
Sample Received: 4/30/92
Sample Date: 4/30/92

If you have any questions concerning these data, please contact Ms. Candace Steady at (716) 691-2600 and refer to the I.D. number listed below. It has been our pleasure to provide Engineering Science, Inc. with Environmental Testing Services. We look forward to serving you in the future.

Sincerely,

RECRA ENVIRONMENTAL, INC.

Deborah J. Kinecki /KPK

Deborah J. Kinecki
Vice President

KLWW/DJK/kw
Enclosure: Diskette
cc: Mr. Ian McEachren

I.D. #92-1299
#92-1457
#NY2A4057

SAMPLE DATA SUMMARY PACKAGE



RECREA
ENVIRONMENTAL
INC.

CASE NARRATIVE



RECRA
ENVIRONMENTAL
INC.

CASE NARRATIVE

Laboratory Name: Recra Environmental, Inc.

Laboratory Code: RECNY

Case Number: 4057

SDG Number: Blank; SFW 1

Sample Identification:

A3-2FW1	A3-2FW8
A3-2FW2	A3-2FW9
A3-2FW3	A3-2WW1
A3-2FW3 MATRIX SPIKE	A3-2WW2
A3-2FW3 MATRIX SPIKE DUPLICATE	A3-2WW3
A3-2FW4	A3-2WW4
A3-2FW5	ARC-SFW1
A3-2FW6	ARC-SFW2
A3-2FW7	BLANK
	BLANK WIPE

METHODOLOGY

Analysis was performed in accordance with 1989 New York State Analytical Services protocol.

COMMENTS

Comments pertain to data on one or all pages of this report.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Organic Data Comment Page.

Partial preliminary results were sent via facsimile to Mr. William Lilley of Engineering Science, Inc. on May 4, 1992 by Ms. Candace Steady of Recra Environmental, Inc.



RECRA
ENVIRONMENTAL
INC.

PCB DATA

Sample A32WW1 contains Aroclor 1254. However, this Aroclor when initially analyzed did not fall within established retention time window of Aroclor 1254. This Aroclor was therefore quantified by pattern recognition.

Laboratory spiking compounds were diluted out of the Matrix Spike and Matrix Spike Duplicate of sample A32FW3.

As per Ian McEachren of Engineering Science, Inc. secondary dilutions were not performed.

Following is a table comparing samples to their respective initial dilutions:

SAMPLE IDENTIFICATION	DILUTION FACTOR
A3-2FW1	500
A3-2FW2	500
A3-2FW3	200
A3-2FW3 MATRIX SPIKE	200
A3-2FW3 MATRIX SPIKE DUPLICATE	200
A3-2FW4	100
A3-2FW5	500
A3-2FW6	20
A3-2FW7	100
A3-2FW8	100
A3-2FW9	100
ARCSFW1	2
ARCSFW2	10

GC/MS confirmation was performed for Aroclor 1254 on samples A32FW1, A32FW2 and A32FW3.

Samples A32FW4, A32FW5, A32FW6, A32FW7, A32FW8 and A32FW9 were processed through GPC and florisil to eliminate matrix interference. When the cleaned extracts were analyzed the results were the same as the primary run, thus, only the primary runs are included in the data package.



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INC.

5

Due to a required dilution factor of 200, samples A32FW3 Matrix Spike and A32FW3 Matrix Spike Duplicate spiking compounds were diluted out. Therefore, a form 3 has not been included in this data package.

" I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or her designee, as verified by the following signature."

Deborah J. Kinecki /DKK

Deborah J. Kinecki
Vice President

Date

6/24/92



RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME RECRA ENVIRONMENTAL, INC.

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	OTHER
Wipe Blank	92-1299	-	-	-	ASP89	-	-
A3-2FW1	92-1457	-	-	-	ASP89	-	-
A3-2FW2	92-1457	-	-	-	ASP89	-	-
A3-2FW3	92-1457	-	-	-	ASP89	-	-
A3-2FW4	92-1457	-	-	-	ASP89	-	-
A3-2FW5	92-1457	-	-	-	ASP89	-	-
A3-2FW6	92-1457	-	-	-	ASP89	-	-
A3-2FW7	92-1457	-	-	-	ASP89	-	-
A3-2FW8	92-1457	-	-	-	ASP89	-	-
A3-2FW9	92-1457	-	-	-	ASP89	-	-
A3-2WW1	92-1457	-	-	-	ASP89	-	-
A3-2WW2	92-1457	-	-	-	ASP89	-	-
A3-2WW3	92-1457	-	-	-	ASP89	-	-
A3-2WW4	92-1457	-	-	-	ASP89	-	-
ARC-SFW1	92-1457	-	-	-	ASP89	-	-
ARC-SFW2	92-1457	-	-	-	ASP89	-	-
BLANK	92-1457	-	-	-	ASP89	-	-

NYSDEC-1



RECRA
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INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSIS

LAB NAME RECRA ENVIRONMENTAL INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
Wipe Blank	Wipe	4/30/92	4/30/92	5/1/92	5/15/92
A3-2FW1	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2FW2	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2FW3	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2FW4	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2FW5	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2FW6	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2FW7	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2FW8	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2FW9	Wipe	05/12/92	05/13/92	05/18/92	05/31/92
A3-2WW1	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2WW2	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2WW3	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
A3-2WW4	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
ARC-SFW1	Wipe	05/12/92	05/13/92	05/18/92	05/29/92
ARC-SFW2	Wipe	05/12/92	05/13/92	05/18/92	05/30/92
BLANK	Wipe	05/12/92	05/13/92	05/18/92	05/29/92

NYSDEC-4



RECRA
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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME RECRA ENVIRONMENTAL INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILARY CLEAN UP	DIL/CONC FACTOR
Wipe Blank	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2FW1	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2FW2	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2FW3	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2FW4	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2FW5	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2FW6	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2FW7	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2FW8	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2FW9	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2WW1	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2WW2	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2WW3	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
A3-2WW4	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
ARC-SFW1	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
ARC-SFW2	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED
BLANK	Wipe	ASP89	SONC	AS REQUIRED	AS REQUIRED

NYSDEC-6



RECRA
ENVIRONMENTAL
INC.

ORGANIC DATA COMMENT PAGE

3

Laboratory Name RECRA ENVIRONMENTAL, INC.

USEPA Defined Organic Data Qualifiers:

- U - Indicates compound was analyzed for but not detected.
- J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- G - The TCLP Matrix Spike recovery was greater than the upper limit of the analytical method.
- L - The TCLP Matrix Spike recovery was lower than the lower limit of the analytical method.
- T - This flag is used when the analyte is found in the associated TCLP extraction as well as in the sample.



RECRA
ENVIRONMENTAL
INC.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. A32FW1Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG No.: SFW1Matrix: (soil/water) WIPELab Sample ID: AS011193

Sample wt/vol: _____ (g/mL) _____

Lab File ID: 523 VLevel: (low/med) LOWDate Received: 05/13/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/18/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/30/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 500 -

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	500	U
11104-28-2	Aroclor-1221	500	U
11141-16-5	Aroclor-1232	500	U
53469-21-9	Aroclor-1242	500	U
12672-29-6	Aroclor-1248	500	U
11097-69-1	Aroclor-1254	2200	C
11096-82-5	Aroclor-1260	1000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. A32FW2

Lab Name: RECRA ENVIRONMENTAL, INC. Contract No.: _____
Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SFW1
Matrix: (soil/water) WIPE Lab Sample ID: AS011195
Sample wt/vol: _____ (g/mL) _____ Lab File ID: 524 V
Level: (low/med) LOW Date Received: 05/13/92
% Moisture: not dec. 0 dec. _____ Date Extracted: 05/18/92
Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 05/30/92
GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 500

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	500	U
11104-28-2	Aroclor-1221	500	U
11141-16-5	Aroclor-1232	500	U
53469-21-9	Aroclor-1242	500	U
12672-29-6	Aroclor-1248	500	U
11097-69-1	Aroclor-1254	3800	C
11096-82-5	Aroclor-1260	1000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. A32FW3Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG No.: SFW1Matrix: (soil/water) WIPELab Sample ID: AS011197

Sample wt/vol: _____ (g/mL) _____

Lab File ID: 525 VLevel: (low/med) LOWDate Received: 05/13/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/18/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/30/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 100

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
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	590	C
11096-82-5	Aroclor-1260	200	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. A32FW4Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG No.: SFW1Matrix: (soil/water) WIPELab Sample ID: AS011199

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOWDate Received: 05/13/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/18/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/30/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 100 -

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
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	200	U
11096-82-5	Aroclor-1260	200	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. A32FW5

Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057

SAS No.: _____ SDG No.: SFW1

Matrix: (soil/water) WIPE

Lab Sample ID: AS011201

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOW

Date Received: 05/13/92

% Moisture: not dec. 0 dec. _____

Date Extracted: 05/18/92

Extraction: (Sepf/Cont/Sonc) SONC

Date Analyzed: 05/30/92

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 500

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	500	U
11104-28-2	Aroclor-1221	500	U
11141-16-5	Aroclor-1232	500	U
53469-21-9	Aroclor-1242	500	U
12672-29-6	Aroclor-1248	500	U
11097-69-1	Aroclor-1254	1000	U
11096-82-5	Aroclor-1260	1000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. A32FW6Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG No.: SFW1Matrix: (soil/water) WIPELab Sample ID: AS011202

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOWDate Received: 05/13/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/18/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/30/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	20	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	20	U
53469-21-9	Aroclor-1242	20	U
12672-29-6	Aroclor-1248	20	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. A32FW7

Lab Name: RECRA ENVIRONMENTAL, INC. Contract No.: _____
Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SFW1
Matrix: (soil/water) WIPE Lab Sample ID: AS011203
Sample wt/vol: _____ (g/mL) _____ Lab File ID: _____
Level: (low/med) LOW Date Received: 05/13/92
% Moisture: not dec. 0 dec. _____ Date Extracted: 05/18/92
Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 05/30/92
GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 100 -

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
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	200	U
11096-82-5	Aroclor-1260	200	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. A32FW8

Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057

SAS No.: _____ SDG No.: SFW1

Matrix: (soil/water) WIPE

Lab Sample ID: AS011204

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOW

Date Received: 05/13/92

% Moisture: not dec. 0 dec. _____

Date Extracted: 05/18/92

Extraction: (Sepf/Cont/Sonc) SONC

Date Analyzed: 05/30/92

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 100

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
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	200	U
11096-82-5	Aroclor-1260	200	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. A32FW9Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG No.: SFW1Matrix: (soil/water) WIPELab Sample ID: AS011205

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOWDate Received: 05/13/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/18/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/31/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 100 -

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
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	200	U
11096-82-5	Aroclor-1260	200	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. A32WW1Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG No.: SFW1Matrix: (soil/water) WIPELab Sample ID: AS011194

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOWDate Received: 05/13/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/18/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/30/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	2.4	
11096-82-5	Aroclor-1260	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. A32WW2

Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057

SAS No.: _____ SDG No.: SFW1

Matrix: (soil/water) WIPE

Lab Sample ID: AS011196

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOW

Date Received: 05/13/92

% Moisture: not dec. 0 dec. _____

Date Extracted: 05/18/92

Extraction: (Sepf/Cont/Sonc) SONC

Date Analyzed: 05/30/92

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	5.3	
11096-82-5	Aroclor-1260	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. A32WW3Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG No.: SFW1Matrix: (soil/water) WIPELab Sample ID: AS011198

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOWDate Received: 05/13/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/18/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/30/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	0.83	J
11096-82-5	Aroclor-1260	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. A32WW4Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG No.: SFW1Matrix: (soil/water) WIPELab Sample ID: AS011200

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOWDate Received: 05/13/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/18/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/30/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 1.0 -

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.1	
11096-82-5	Aroclor-1260	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. ARCSEW1Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG No.: SFWMatrix: (soil/water) WIPELab Sample ID: AS011191

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOWDate Received: 05/13/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/18/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/29/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	2.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	2.0	U
53469-21-9	Aroclor-1242	2.0	U
12672-29-6	Aroclor-1248	2.0	U
11097-69-1	Aroclor-1254	15	
11096-82-5	Aroclor-1260	4.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. ARCSEW2

Lab Name: RECRA ENVIRONMENTAL, INC. Contract No.: _____
 Lab Code: RECNY Case No.: 4057 SAS No.: _____ SDG No.: SFW1
 Matrix: (soil/water) WIPE Lab Sample ID: AS011192
 Sample wt/vol: _____ (g/mL) _____ Lab File ID: _____
 Level: (low/med) LOW Date Received: 05/13/92
 % Moisture: not dec. 0 dec. _____ Date Extracted: 05/18/92
 Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 05/30/92
 GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	16	
11096-82-5	Aroclor-1260	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETSAMPLE NO. WIPEBLANK-1Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG No.: SFW1Matrix: (soil/water) WIPELab Sample ID: AS011206

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOWDate Received: 05/13/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/18/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/29/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	2.0	U
11096-82-5	Aroclor-1260	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEETEPA SAMPLE NO. WIPEBLANK-2Lab Name: RECRA ENVIRONMENTAL, INC.

Contract No.: _____

Lab Code: RECNY Case No.: 4057SAS No.: _____ SDG-No.: BLANK

Matrix: (soil/water) _____

Lab Sample ID: AS010548

Sample wt/vol: _____ (g/mL) _____

Lab File ID: _____

Level: (low/med) LOWDate Received: 04/30/92% Moisture: not dec. 0 dec. _____Date Extracted: 05/01/92Extraction: (Sepf/Cont/Sonc) SONCDate Analyzed: 05/15/92GPC Cleanup: (Y/N) N pH: 7.0Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: UG/WIPE	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	2.0	U
11096-82-5	Aroclor-1260	2.0	U

2F
SOIL PESTICIDE SURROGATE RECOVERY

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Name: RECRA ENVIRON

Contract: _____

Code: RECNY

Case No.: 4057

SAS No.: _____

SDG No.: SFW1

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (DBC) #	OTHER
	=====	=====	=====
01	PBLK20	133	0
02	A32FW1	0 D	0
03	A32FW2	0 D	0
04	A32FW3	0 D	0
05	A32FW3MS	0 D	0
06	A32FW3MSD	0 D	0
07	A32FW4	0 D	0
08	A32FW5	0 D	0
09	A32FW6	0 D	0
10	A32FW7	0 D	0
11	A32FW8	0 D	0
12	A32FW9	0 D	0
13	A32WW1	119	0
14	A32WW2	142	0
15	A32WW3	119	0
16	A32WW4	82	0
17	ARCSFW1	182 *	0
18	ARCSFW2	34	0
19	MSB01	112	0
20	WIPEBLANK	87	0

ADVISORY
QC LIMITS
(20-150)

S1 (DBC) = Dibutylchloroendate

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

1HG
AROCOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

A17101

Lab Name: Aquatec, Inc. Contract: COO2685

Lab Code: AQUAI Case No. RA092 SAS No. SDG No. 0616

Phase Type: Wipe Lab Sample ID: 162161

Phase Weight: (g) Date Received: 06/17/92

Injection Volume: 1.0 (uL) Date Extracted: 06/18/92

Dilution Factor: 10.0 Date Analyzed: 07/15/92

% Solids: Sulfur Clean-up: N (Y/N)

pH:

CAS NO.	COMPOUND	CONCENTRATION (ug/wipe)	Q
12674-11-2-----	Aroclor-1016	3.0	UJ
11104-28-2-----	Aroclor-1221	3.0	UJ
11141-16-5-----	Aroclor-1232	3.0	UJ
53469-21-9-----	Aroclor-1242	3.0	UJ
12672-29-6-----	Aroclor-1248	3.0	UJ
11097-69-1-----	Aroclor-1254	110	X
11096-82-5-----	Aroclor-1260	3.0	UJ

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1HG
AROCOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

A17101DL

Lab Name: Aquatec, Inc. Contract: COO2685

Lab Code: AQUAI Case No. RA092 SAS No. SDG No. 0616

Phase Type: Wipe Lab Sample ID: 162161D1

Phase Weight: (g) Date Received: 06/17/92

Injection Volume: 1.0 (uL) Date Extracted: 06/18/92

Dilution Factor: 100.0 Date Analyzed: 07/15/92

% Solids: Sulfur Clean-up: N (Y/N)

pH:

CAS NO.	COMPOUND	CONCENTRATION (ug/wipe)	Q
12674-11-2-----	Aroclor-1016	30	U
11104-28-2-----	Aroclor-1221	30	U
11141-16-5-----	Aroclor-1232	30	U
53469-21-9-----	Aroclor-1242	30	U
12672-29-6-----	Aroclor-1248	30	U
11097-69-1-----	Aroclor-1254	110	U
11096-82-5-----	Aroclor-1260	30	U

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1HG
AROCOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

A17102

Lab Name: Aquatec, Inc. Contract: COO2685
 Lab Code: AQUAI Case No. RA092 SAS No. SDG No. 0616
 Phase Type: Wipe Lab Sample ID: 162162
 Sample Weight: (g) Date Received: 06/17/92
 Injection Volume: 1.0 (uL) Date Extracted: 06/18/92
 Dilution Factor: 10.0 Date Analyzed: 07/15/92
 Solids: Sulfur Clean-up: N (Y/N)
 pH:

CAS NO.	COMPOUND	CONCENTRATION (ug/wipe)	Q
12674-11-2-----	Aroclor-1016	3.0	UJ
11104-28-2-----	Aroclor-1221	3.0	U
11141-16-5-----	Aroclor-1232	3.0	U
53469-21-9-----	Aroclor-1242	3.0	U
12672-29-6-----	Aroclor-1248	3.0	U
11097-69-1-----	Aroclor-1254	34	J
11096-82-5-----	Aroclor-1260	3.0	UJ

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AROCOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

A17103

Lab Name: Aquatec, Inc. Contract: COO2685

Lab Code: AQUAI Case No. RA092 SAS No. SDG No. 0616

Phase Type: Wipe Lab Sample ID: 162163

Phase Weight: (g) Date Received: 06/17/92

Injection Volume: 1.0 (uL) Date Extracted: 06/18/92

Dilution Factor: 10.0 Date Analyzed: 07/15/92

% Solids: Sulfur Clean-up: N (Y/N)

OR:

CAS NO.	COMPOUND	CONCENTRATION (ug/wipe)	Q
12674-11-2-----	Aroclor-1016	3.0	U ⁵
11104-28-2-----	Aroclor-1221	3.0	U ¹
11141-16-5-----	Aroclor-1232	3.0	U ¹
53469-21-9-----	Aroclor-1242	3.0	U ¹
12672-29-6-----	Aroclor-1248	3.0	U ¹
11097-69-1-----	Aroclor-1254	11	U ¹
11096-82-5-----	Aroclor-1260	3.0	U ¹

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1HG
AROCOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

A17104

Lab Name: Aquatec, Inc. Contract: COO2685

Lab Code: AQUAI Case No. RA092 SAS No. SDG No. 0616

Phase Type: Wipe Lab Sample ID: 162164

Phase Weight: (g) Date Received: 06/17/92

Injection Volume: 1.0 (uL) Date Extracted: 06/18/92

Dilution Factor: 10.0 Date Analyzed: 07/15/92

Solids: Sulfur Clean-up: N (Y/N)

pH:

CAS NO.	COMPOUND	CONCENTRATION (ug/wipe)	Q
12674-11-2-----	Aroclor-1016	3.0	U ⁵
11104-28-2-----	Aroclor-1221	3.0	U
11141-16-5-----	Aroclor-1232	3.0	U
53469-21-9-----	Aroclor-1242	3.0	U
12672-29-6-----	Aroclor-1248	3.0	U ²
11097-69-1-----	Aroclor-1254	21	
11096-82-5-----	Aroclor-1260	3.0	U

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AROCOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

A17105

Lab Name: Aquatec, Inc. Contract: COO2685

Lab Code: AQUAI Case No. RA092 SAS No. SDG No. 0616

Phase Type: Wipe Lab Sample ID: 162165

Phase Weight: (g) Date Received: 06/17/92

Injection Volume: 1.0 (uL) Date Extracted: 06/18/92

Dilution Factor: 10.0 Date Analyzed: 07/15/92

Solids: Sulfur Clean-up: N (Y/N)

PH:

CAS NO.	COMPOUND	CONCENTRATION (ug/wipe)	Q
12674-11-2-----	Aroclor-1016	3.0	UJ
11104-28-2-----	Aroclor-1221	3.0	UJ
11141-16-5-----	Aroclor-1232	3.0	UJ
53469-21-9-----	Aroclor-1242	3.0	UJ
12672-29-6-----	Aroclor-1248	3.0	UJ
11097-69-1-----	Aroclor-1254	15	UJ
11096-82-5-----	Aroclor-1260	3.0	UJ

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AROCOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

A17106

Lab Name: Aquatec, Inc. Contract: CO02685

Lab Code: AQUAI Case No. RA092 SAS No. SDG No. 0616

Phase Type: Wipe Lab Sample ID: 162166

Phase Weight: (g) Date Received: 06/17/92

Injection Volume: 1.0 (uL) Date Extracted: 06/18/92

Dilution Factor: 10.0 Date Analyzed: 07/15/92

Solids: Sulfur Clean-up: N (Y/N)

PH:

CAS NO.	COMPOUND	CONCENTRATION (ug/wipe)	Q
12674-11-2-----	Aroclor-1016	3.0	UJ
11104-28-2-----	Aroclor-1221	3.0	UJ
11141-16-5-----	Aroclor-1232	3.0	UJ
53469-21-9-----	Aroclor-1242	3.0	UJ
12672-29-6-----	Aroclor-1248	3.0	UJ
11097-69-1-----	Aroclor-1254	35	J
11096-82-5-----	Aroclor-1260	3.0	UJ

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or

1HG
AROCOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

A17107

Lab Name: Aquatec, Inc. Contract: CO02685

Lab Code: AOUAI Case No. RA092 SAS No. SDG No. 0616

Phase Type: Wipe Lab Sample ID: 162167

Phase Weight: (g) Date Received: 06/17/92

Injection Volume: 1.0 (uL) Date Extracted: 06/21/92

Dilution Factor: 1.0 Date Analyzed: 07/16/92

% Solids: Sulfur Clean-up: N (Y/N)

pH:

CAS NO.	COMPOUND	CONCENTRATION (ug/wipe)	Q
12674-11-2-----	Aroclor-1016	0.30	U
11104-28-2-----	Aroclor-1221	0.30	U
11141-16-5-----	Aroclor-1232	0.30	U
53469-21-9-----	Aroclor-1242	0.30	U
12672-29-6-----	Aroclor-1248	0.30	U
11097-69-1-----	Aroclor-1254	0.30	U
11096-82-5-----	Aroclor-1260	0.30	U

1HG
AROCOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

A17108

Lab Name: Aquatec, Inc. Contract: COO2685

Lab Code: AQUAI Case No. RA092 SAS No. SDG No. 0616

Phase Type: Wipe

Lab Sample ID: 162168

Phase Weight: (g)

Date Received: 06/17/92

Injection Volume: 1.0 (uL)

Date Extracted: 06/21/92

Dilution Factor: 1.0

Date Analyzed: 07/16/92

% Solids:

Sulfur Clean-up: N (Y/N)

pH:

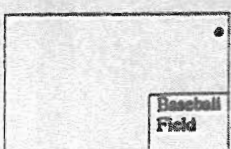
CAS NO.	COMPOUND	CONCENTRATION (ug/wipe)	Q
12674-11-2-----	Aroclor-1016	0.30	U
11104-28-2-----	Aroclor-1221	0.30	U
11141-16-5-----	Aroclor-1232	0.30	U
53469-21-9-----	Aroclor-1242	0.30	U
12672-29-6-----	Aroclor-1248	0.30	U
11097-69-1-----	Aroclor-1254	0.30	U
11096-82-5-----	Aroclor-1260	0.30	U

APPENDIX C

APPENDIX C

GEOLOGIC BORING LOGS



Contractor: Engineering Science					ENGINEERING-SCIENCE DRILLING RECORD		BORING NO. SO-S78	
Driller: CRT					PROJECT NAME Shatz Plant		Sheet 1 of 1	
Inspector: WDL					PROJECT NUMBER SY 185.05		Location: NE corner of North field	
Rig Type: Minuteman							Plot Plan	
Method: Split Spoon							N ↑	
					Weather Clear, Sunny			
					Date/Time Start May 4, 1992/1610			
					Date/Time Finish May 4, 1992/1650			
GROUNDWATER OBSERVATIONS								
Date								
Time								
Mon.								
From								
Photocore Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL			
2.0		1			Brown silt and sand, gravel (fill)(moist)			
		2						
0.5		3			Brown silt and sand, gravel (fill)(moist to wet)			
		4						
		5			Brown sand and some silt, trace gravel (wet)			
		6						
		7			6.0' Grey gravel, (weathered shale bedrock)(wet)			
		8						
		9			Refusal and Termination at 8'			
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						

STANDARD PENETRATION TEST

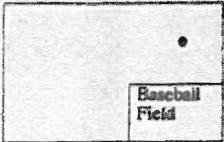
SS = SPLIT SPOON

A = AUGER CUTTINGS

SUMMARY: 0-6.0' Brown silt, sand and gravel:

6.0-8.0' Grey gravel (weathered shale)

8.0 Bedrock

ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. SO-S79
Contractor: Engineering Science					
Driller: CRT					
Inspector: WDL					Sheet 1 of 1
Rig Type: Minuteman					Location: North Field
Method: Split Spoon					Plot Plan
Weather: Cloudy, light rain					
Date/Time Start: May 5, 1992/0800					
Date/Time Finish: May 5, 1992/0835					
GROUNDWATER OBSERVATIONS					
Date					
Time					
Mena					
From					
Photocopy Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL
46		1			6" Brown silt, sand
					12" Grey sand
					3" Sawdust (fill)
		2			
56					Grey brown sand and sawdust (fill)
		3			
		4			4.0
		5			8" Grey brown sand, (wet)
					8" Weathered bedrock
		6			Refusal and Termination at 5.75'
		7			
		8			
		9			
		10			
		11			
		12			
		13			
		14			
		15			
		16			
		17			
		18			

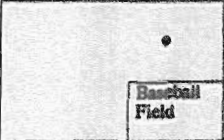
odor
oily odor

STANDARD PENETRATION TEST

SS = SPLIT SPOON
A = AUGER CUTTINGS

SUMMARY: 0-4.0' fill

4.0-5.75' Grey-brown sand and weathered bedrock
5.75' Bedrock

ENGINEERING - SCIENCE DRILLING RECORD					BORING NO. SO-S80																																																																																																
Contractor: Engineering Science					PROJECT NAME Shatz Plant PROJECT NUMBER SY 185.05	Sheet 1 of 1																																																																																															
Driller: CRT						Location: North Field Plot Plan N ↑																																																																																															
Inspector: WDL																																																																																																					
Rig Type: Minuteman																																																																																																					
Method: Split Spoon																																																																																																					
Weather Cloudy, light rain																																																																																																					
Date/Time Start May 5, 1992/0835																																																																																																					
Date/Time Finish May 5, 1992/0900																																																																																																					
GROUNDWATER OBSERVATIONS Date _____ Time _____ Meas. _____ From _____					FIELD IDENTIFICATION OF MATERIAL 6" Brown sand 18" Grey/black sand and sawdust (fill) Grey/black sand and sawdust (fill) Grey/black sand and sawdust (fill) Refusal and Termination at 6'																																																																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Photovac Reading</th> <th style="width: 10%;">Sample I.D.</th> <th style="width: 10%;">Sample Depth</th> <th style="width: 10%;">Percent Recovery</th> <th style="width: 10%;">SPT</th> </tr> </thead> <tbody> <tr><td></td><td></td><td>1</td><td></td><td></td></tr> <tr><td></td><td></td><td>2</td><td></td><td></td></tr> <tr><td></td><td></td><td>3</td><td></td><td></td></tr> <tr><td></td><td></td><td>4</td><td></td><td></td></tr> <tr><td></td><td></td><td>5</td><td></td><td></td></tr> <tr><td></td><td></td><td>6</td><td></td><td></td></tr> <tr><td></td><td></td><td>7</td><td></td><td></td></tr> <tr><td></td><td></td><td>8</td><td></td><td></td></tr> <tr><td></td><td></td><td>9</td><td></td><td></td></tr> <tr><td></td><td></td><td>10</td><td></td><td></td></tr> <tr><td></td><td></td><td>11</td><td></td><td></td></tr> <tr><td></td><td></td><td>12</td><td></td><td></td></tr> <tr><td></td><td></td><td>13</td><td></td><td></td></tr> <tr><td></td><td></td><td>14</td><td></td><td></td></tr> <tr><td></td><td></td><td>15</td><td></td><td></td></tr> <tr><td></td><td></td><td>16</td><td></td><td></td></tr> <tr><td></td><td></td><td>17</td><td></td><td></td></tr> <tr><td></td><td></td><td>18</td><td></td><td></td></tr> </tbody> </table>							Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT			1					2					3					4					5					6					7					8					9					10					11					12					13					14					15					16					17					18		
Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT																																																																																																	
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		2																																																																																																			
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STANDARD PENETRATION TEST

SS = SPLIT SPOON

A = AUGER CUTTINGS

SUMMARY: 0-6' Grey/black sand and sawdust fill

6' Refusal, possibly fill

Contractor: <u>Engineering Science</u> Driller: <u>CRT</u> Inspector: <u>WDL</u> Rig Type: <u>Minuteman</u> Method: <u>Spillspoon</u>					ENGINEERING - SCIENCE DRILLING RECORD		BORING NO. <u>SO-S81</u> Sheet <u>1</u> of <u>1</u> Location: <u>North Field</u> Plot Plan <u>N</u>	
GROUNDWATER OBSERVATIONS Date _____ Time _____ Mess. _____ From _____					PROJECT NAME <u>Shatz Plant</u> PROJECT NUMBER <u>SY 185.05</u>		Weather <u>Cloudy, light rain</u> Date/Time Start <u>May 5, 1992/0945</u> Date/Time Finish <u>May 5, 1992/1040</u>	
Photons Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL		COMMENTS	
		1			Black sand and sawdust (fill)		oily	
		2						
		3			Black sand and sawdust (fill)		Strong oil odor	
		4						
		5			4.0 Olive grey silt, sand and gravel		Strong odor	
		6						
		7			Olive grey silt, sand and gravel (wet)		Strong odor	
		8						
					Bedrock			
					Refusal and termination at 8'			
		9						
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						

STANDARD PENETRATION TEST

SS = SPLIT SPOON

A = AUGER CUTTINGS

SUMMARY: 0-4.0' Black sand and sawdust fill

4.0-8.0' Olive grey silt, sand and gravel

8.0' Bedrock

ENGINEERING - SCIENCE DRILLING RECORD					BORING NO. SO-S82	
PROJECT NAME					Shatz Plant	
PROJECT NUMBER					SY 185.05	
Weather					Cloudy, light rain	
Date/Time Start					May 5, 1992/1040	
Date/Time Finish					May 5, 1992/1140	
FIELD IDENTIFICATION OF MATERIAL					COMMENTS	
Contractor:	Engineering Science				Sheet 1 of 1	
Driller:	CRT				Location: North Field	
Inspector:	WDL				Plot Plan	
Rig Type:	Minuteman					
Method:	Split spoon					
GROUNDWATER OBSERVATIONS					Baseball Field	
Date						
Time						
From						
Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT		
		1			Grey/brown sand and sawdust (fill)	
		2			odor	
		3			Black/grey cinders and sand (fill)	
		4			4.0	
		5			Olive grey silt, sand and gravel	
		6				
		7			Olive grey silt, sand and gravel (wet)	
		8			oily sheen, odor	
					Bedrock	
		9			Refusal and Termination at 8'	
		10				
		11				
		12				
		13				
		14				
		15				
		16				
		17				
		18				

STANDARD PENETRATION TEST

SS = SPLIT SPOON

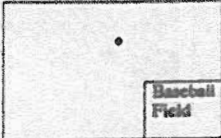
A = AUGER CUTTINGS

SUMMARY: 0-4.0 Grey, brown and black sand, cinders and sawdust fill

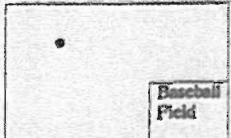
4.0–8.0 Olive grey silt, sand and gravel

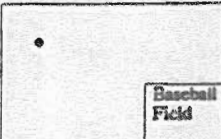
8.0' Bedrock

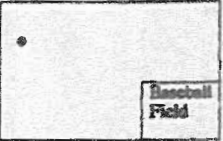
ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. SO-S83		
Contractor: Engineering Sciences					PROJECT NAME Shatz Plant		
Driller: CRT					PROJECT NUMBER SY 185.05		
Inspector: WDL					Sheet 1 of 1		
Rig Type: Minuteman					Location: North Field		
Method: Split spoon					Plot Plan		
Weather Cloudy, light rain							
Date/time Start May 5, 1992/1315							
Date/Time Finish May 5, 1992/1340							
GROUNDWATER OBSERVATIONS					FIELD IDENTIFICATION OF MATERIAL		
Date					COMMENTS		
Time							
Mon.							
From							
Photonic Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT			
		1					8" of Brown silt and sand
		2					Black silt and sand
130		3					Black, grey sand and sawdust (fill)
		4					4.0
		5					Black to olive silt and sand
		6					Bedrock
		7					Refusal and Termination at 6'
		8					
		9					
		10					
		11					
		12					
		13					
		14					
		15					
		16					
		17					
		18					
STANDARD PENETRATION TEST					SUMMARY: 0-4.0 Black silt, sand and sawdust fill		
SS = SPLIT SPOON					4.0-6.0 Black to olive silt and sand		
A = AUGER CUTTINGS					6.0 Bedrock		

ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. SO-S84	
Contractor: Engineering Science					PROJECT NAME Shatz Plant	
Driller: CRT					PROJECT NUMBER SY 185.05	
Inspector: WDL					Sheet 1 of 1	
Rig Type: Minuteman					Location: North Field	
Method: Split spoon					Plot Plan N	
					Weather Cloudy, light rain	
					Date/time Start May 5, 1992/1340	
					Date/Time Finish May 5, 1992/1400	
GROUNDWATER OBSERVATIONS						
Date						
Time						
Men						
From						
Photocore Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	
70		1			12" Brown silt and sand 12" Black silt and sand (fill) Black sand and sawdust (fill) Black sand and metal (fill)(wet) Black sand and metal (fill)(wet) Bedrock Refusal and Termination at 8' oily	
		2				
		3				
		4				
		5				
		6				
		7				
		8				
		9				
		10				
		11				
		12				
		13				
		14				
		15				
		16				
		17				
		18				
STANDARD PENETRATION TEST					SUMMARY: 0-8.0' Black sand, sawdust and metal fill	
SS = SPLIT SPOON					8.0' Bedrock	
A = AUGER CUTTINGS						

ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. SO-S85	
Contractor: Engineering Science					PROJECT NAME Shatz Plant	
Driller: CRT					PROJECT NUMBER SY 185.05	
Inspector: WDL					Sheet 1 of 1	
Rig Type: Minuteman					Location: North Field	
Method: Split spoon					Plot Plan	
Weather Cloudy, light rain						
Date/time Start May 5, 1992/1430						
Date/Time Finish May 5, 1992/1500						
GROUNDWATER OBSERVATIONS						
Date						
Time						
From						
FIELD IDENTIFICATION OF MATERIAL					COMMENTS	
Photonic Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT		
300		1			6" Brown sand, silt 12" Black/grey sawdust (fill)	
		2				
		3			Black sawdust and ash (fill)	
		4			(wet)	
		5			Black/brown sawdust (fill)	
		6			(wet)	
		7			Black cinders (fill) 7.0	
		8			Olive grey silt and sand, trace gravel	
		9				
		10			Bedrock	
		11			Refusal and Termination at 10'	
		12				
		13				
		14				
		15				
		16				
		17				
		18				
STANDARD PENETRATION TEST					SUMMARY: 0-7.0' Black sawdust, ash and cinders fill	
SS = SPLIT SPOON					7.0-10.0' Olive greysilty sand	
A = AUGER CUTTINGS					10' Bedrock	

ENGINEERING-SCIENCE DRILLING RECORD					BORING NO. <u>SO-S86</u>	
Contractor: <u>Engineering Science</u>					PROJECT NAME <u>Shatz Plant</u>	
Driller: <u>CRT</u>					PROJECT NUMBER <u>SY 185.05</u>	
Inspector: <u>WDL</u>					Sheet <u>1</u> of <u>1</u>	
Rig Type: <u>Minuteman</u>					Location: <u>North field, West side</u>	
Method: <u>Split spoon</u>					Plot Plan <u>NI</u>	
					Weather <u>Cloudy, light rain</u>	
					Date/time Start <u>May 5, 1992/1530</u>	
					Date/Time Finish <u>May 5, 1992/1550</u>	
GROUNDWATER OBSERVATIONS						
Date						
Time						
Men						
From						
Photores Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL	
		1			12" Brown silt, sand 8" Black/white waste (fill)	
		2				
		3			Black sawdust (fill)	
		4				
		5			Black sawdust and wood (fill)	
		6				
		7			Refusal Terminated at 6'	
		8				
		9				
		10				
		11				
		12				
		13				
		14				
		15				
		16				
		17				
		18				
STANDARD PENETRATION TEST					SUMMARY: <u>0-6.0' Black sawdust and wood</u>	
SS = SPLIT SPOON					<u>6' Refusal, fill or bedrock</u>	
A = AUGER CUTTINGS						

Contractor: Engineering Science Driller: CRT Inspector: WDL Rig Type: Minuteman Method: Split spoon					ENGINEERING--SCIENCE DRILLING RECORD		BORING NO. SO-S87 Sheet 1 of 1 Location: North field, West side Plot Plan			
GROUNDWATER OBSERVATIONS Date Time Meas. From					Weather: Cloudy, light rain Date/time Start: May 5, 1992/1550 Date/Time Finish: May 5, 1992/1620					
Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL		COMMENTS			
0		1			Brown silt and sand 2.5 Olive grey sand (wet) 4.0		Piezometer installed to 5.0'			
		2								
		3								
		4								
		5								
					Weathered bedrock Refusal and Termination at 5.0'					
		6								
		7								
		8								
		9								
		10								
		11								
		12								
		13								
		14								
		15								
		16								
		17								
		18								
STANDARD PENETRATION TEST SS = SPLIT SPOON A = AUGER CUTTINGS					SUMMARY: 0-2.5' Brown silt sand 2.5-4.0' Olive grey sand 4.0-5.0' Weathered shale 5.0' Bedrock					

Contractor: Engineering Science Driller: CRT Inspector: WDL Rig Type: Minuteman Method: Split spoon					ENGINEERING-SCIENCE DRILLING RECORD		BORING NO. SO-S88 Sheet 1 of 1 Location: North field, West side Plot Plan N ↑	
					PROJECT NAME Shatz Plant PROJECT NUMBER SY 185.05		Weather Cloudy, 40 Date/time Start May 6, 1992/0815 Date/Time Finish May 6, 1992/0830	
GROUNDWATER OBSERVATIONS								
Date								
Time								
Meas. From								
Photovac Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL		COMMENTS	
		1			Brown/ black sand, gravel and cinder (fill)		oily oily Piezometer installed to 5.0'	
		2						
		3			12" Brown/black sand, gravel, cinder 12" Black Grey sawdust (fill)(wet)			
10		4						
		5			4.5' Black/grey sawdust and cinders (fill)(wet) 18" Olive grey sand			
		6						
					Termination at 6'			
		7						
		8						
		9						
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						

STANDARD PENETRATION TEST

SS = SPLIT SPOON

A = AUGER CUTTINGS

SUMMARY: 0-4.5' Black and brown waste

4.5-6.0' Olive grey sand

ENGINEERING-SCIENCE DRILLING RECORD

BORING NO. SO-S92

Contractor: Engineering Science

Driller: CRT

Inspector: WDL

Rig Type: Minuteman

Method: Split spoon

PROJECT NAME Shatz Plant
PROJECT NUMBER SY 185.05

Sheet 1 of 1

Location: Southwest Taconic

Plot Plan

Weather Cloudy, 40

RR

Taconic

Date/time Start May 6, 1992/1115

Date/Time Finish May 6, 1992/1145

Shatz 2

GROUNDWATER OBSERVATIONS

Date

Time

Moist.

From

Photocopy
Reading

Sample
I.D.

Sample
Depth

Percent
Recovery

SPT

FIELD IDENTIFICATION OF MATERIAL

COMMENTS

16

1

12" Brown silt, sand and gravel
12" Black sand, sawdust (fill)

oily odor

2

3

2.5' 2" Black sand
6" Grey Black silt and sand

4

4.0

Olive grey silt and sand
(wet-moist)

no odor

6

Termination at 6'

7

8

9

10

11

12

13

14

15

16

17

18

STANDARD PENETRATION TEST

SS = SPLIT SPOON

A = AUGER CUTTINGS

SUMMARY: 0-2.5 Black sand and sawdust fill

4.0-6.0' Olive grey silty sand

ENGINEERING-SCIENCE DRILLING RECORD						BORING NO. SO-S94
Contractor: Engineering Science						
Driller: CRT						
Inspector: WDL						
Rig Type: Minuteman						
Method: Split spoon						
PROJECT NAME Shatz Plant						Sheet 1 of 1
PROJECT NUMBER SY 185.05						Location: NW corner of Taconic
						Plot Plan
Weather Sunny, 65						
Date/time Start May 6, 1992/1300						
Date/Time Finish May 6, 1992/1340						
GROUNDWATER OBSERVATIONS						
Date						
Time						
Memo						
From						
FIELD IDENTIFICATION OF MATERIAL						COMMENTS
Photovis Reading	Sample I.D.	Sample Depth	Percuss Recovery	SPT		
		1			Brown silt and sand, some gravel	
		2			2.0'	
		3			Olive brown sand and silt (wet)	
		4				
		5			Olive brown sand and silt (saturated)	
		6				
		7			Termination at 6'	Piezometer installed to 6.8'
		8				
		9				
		10				
		11				
		12				
		13				
		14				
		15				
		16				
		17				
		18				
STANDARD PENETRATION TEST						
SS = SPLIT SPOON						
A = AUGER CUTTINGS						
SUMMARY: 0-2.0' Brown silty sand						
2.0-6.0' Olive brown sandy silt						

Contractor: <u>Engineering Science</u> Driller: <u>CRT</u> Inspector: <u>WDL</u> Rig Type: <u>Minuteman</u> Method: <u>Split spoon</u>					ENGINEERING-SCIENCE DRILLING RECORD		BORING NO. <u>SO-S95</u>	
PROJECT NAME <u>Shatz Plant</u> PROJECT NUMBER <u>SY 185.05</u>					Sheet <u> </u> of <u> </u> Location: <u>West side of Shatz 2</u> Plot Plan <u> </u>			
GROUNDWATER OBSERVATIONS Date <u> </u> Time <u> </u> Meas. <u> </u> From <u> </u>					Weather <u>Sunny, 65</u> Date/Time Start <u>May 6, 1992/1400</u> Date/Time Finish <u>May 6, 1992/1425</u>		RR <u> </u> Taconic <u> </u> Shatz 2 <u> </u>	
Photonic Reading	Sample I.D.	Sample Depth	Percent Recovery	SPT	FIELD IDENTIFICATION OF MATERIAL		COMMENTS	
		1			12" Brown sand and gravel, some silt			
		2			12" Grey/Black silt and sand 2.0'		some odor	
15					Olive grey silt and sand		some odor	
		3						
		4			Olive grey silt and sand		some odor	
		5						
		6			Olive grey silt, sand			
		7						
		8			Bedrock			
					Refusal and Termination at 8'			
		9						
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						

STANDARD PENETRATION TEST SS = SPLIT SPOON A = AUGER CUTTINGS	SUMMARY: 0-2.0' silt, sand and gravel fill 2.0-8.0' Olive grey silty sand 8.0' Bedrock
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