
Attachment 4

Second Sample Analytical Results

4

1

2

3

4

RECRA ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

PROJECT NO		SITE NAME		NO OF CONTAINERS							REMARKS	
93201 / 915083		Consolidated Freightways										
SAMPLERS (SIGNATURE)												
James L. Tota, LaBella Associates, PC												
STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION							
BW#1	11/5/93	1105		✓	BW#1 6' to 8' SS#4	3		1	2			
BW#2	11/5/93	1105		✓	BW#2 8' to 10' SS#5	3		1	2			
BW#3	11/5/93	1150		✓	BW#3 6' to 8' SS#4	3		1	2			
BW#4	11/5/93	1615		✓	BW#4 4' to 6' SS#3	3		1	2			
BW#5	11/5/93	1530		✓	BW#5 10' to 12' SS#6	3		1	2			
BW#5	11/5/93	1530		✓	BW#5 (MS)	3		1	2			
BW#5	11/5/93	1530		✓	BW#5 (MSD)	3		1	2			
BW#6	11/5/93	1605		✓	BW#6 2' to 4' SS#2	3		1	2			
BW#7	11/5/93	1700		✓	BW#7 4' to 6' SS#3	3		1	2			
S#1	11/5/93	1650		✓	Two Mile Creek Bend	3	2			1		
RELINQUISHED BY (SIGNATURE)		DATE/TIME		RECEIVED BY (SIGNATURE)		RELINQUISHED BY (SIGNATURE)		DATE/TIME		RECEIVED BY (SIGNATURE)		
James L. Tota		11/7/93 5:00 PM		Thomas K. Jones		Thomas K. Jones		11/7/93 5:00 PM				
RELINQUISHED BY (SIGNATURE)		DATE/TIME		RECEIVED BY (SIGNATURE)		RELINQUISHED BY (SIGNATURE)		DATE/TIME		RECEIVED BY (SIGNATURE)		
RELINQUISHED BY (SIGNATURE)		DATE/TIME		RECEIVED FOR LABORATORY BY (SIGNATURE)		DATE/TIME		REMARKS				

Distribution: Original accompanies shipment copy to coordinator field files

SAMPLE DATA SUMMARY PACKAGE

CASE NARRATIVE

Laboratory Name: Recra Environmental, Inc.

Laboratory Code: RECNY

Case Number: 3584

SDG Number: BW1

Contract Number: NY93-584

Sample Identification:

BW#1

BW#2

BW#3

BW#4

BW#5

BW#5 MATRIX SPIKE

BW#5 MATRIX SPIKE DUPLICATE

BW#5 MATRIX DUPLICAYE

BW#6

BW#7

S#1

MATRIX SPIKE BLANK

LAB CONTROL SAMPLE

VHB

METHODOLOGY

Analyses were performed in accordance with 1991 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 and Inorganic Data comment Pages.

Results for the analysis of soils are corrected for moisture content and reported on a dry weight basis.



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VOLATILE DATA

Volatile sample and standard areas are listed on the corresponding data system printouts.

Volatile data are processed utilizing Finnigan Autoquantitation and QA Formaster software. All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitations have been submitted with this analytical data package.

No deviations from protocol were encountered during analysis.

SEMIVOLATILE DATA

Semivolatile sample and standard areas are listed on the corresponding data system printouts.

Semivolatile data was processed utilizing Finnigan Autoquantitation and QA Formaster software. All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation have been submitted with this analytical data package.

The TIC identification of PAH Derivative is an abbreviation for Polynuclear Aromatic Hydrocarbon Derivative.

The Matrix Spike Blank exhibited the % spike recovery for 4-Nitrophenol as outside of quality control limits.

Samples BW#5 Matrix Spike and BW#5 Matrix Spike Duplicate both exhibited internal standard Perylene-d12 as outside of quality control limits indicating sample matrix interference.

Sample BW#1 exhibited internal standard Perylene-d12 as outside of quality control limits. Sample BW#1RE exhibited internal standards Chrysene-d12 and Perylene-d12 as outside of quality control limits indicating sample matrix interference.

Samples BW#3, BW#3RE, BW#4 and BW#4RE all exhibited internal standards Chrysene-d12 and Perylene-d12 as outside of quality control limits indicating sample matrix interference.

Semivolatile Method Blank 05 exhibited the presence of three (3) tentatively identified compounds.

PESTICIDE / PCB DATA

The Endrin Percent Breakdown and the combined Percent Breakdown fell outside quality control limits in PEM04 analyzed on 12/01/93 at 23:10.



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INC.**

The retention time for surrogate Decachlorobiphenyl fell outside the retention time window in PEM04 on the DB608 column.

METALS DATA

The extra zzzzzz's found on the form 14's of the flame inorganic data represent the re-zeroing of the instrument after each sample.

The water samples were re-digested and re-analyzed for Zinc due to a non-compliant Preparatory Blank sample.

The soil samples were re-digested and re-analyzed for Iron due to a non-compliant laboratory control sample.

When the laboratory re-digested the water samples they also digested a duplicate and spike sample which was not required. The analyst inadvertently performed the serial dilution on the duplicate sample on the ICP run. The serial dilution on the duplicate has been edited 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 his designee, as verified by the following signature."



Robert K. Wyeth
Laboratory Director

12/8/93

Date

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
BW#1	93-3935	ASP91	ASP91	-	ASP91	ASP91	-
BW#2	93-3935	ASP91	ASP91	-	ASP91	ASP91	-
BW#3	93-3935	ASP91	ASP91	-	ASP91	ASP91	-
BW#4	93-3935	ASP91	ASP91	-	ASP91	ASP91	-
BW#5	93-3935	ASP91	ASP91	-	ASP91	ASP91	-
BW#6	93-3935	ASP91	ASP91	-	ASP91	ASP91	-
BW#7	93-3935	ASP91	ASP91	-	ASP91	ASP91	-
S#1	93-3935	ASP91	-	-	-	ASP91	-

I.D. #A3-3935.1

NYSDEC-1



RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME RECRA ENVIRONMENTAL INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
BW#1	SOIL	11/05/93	11/10/93	-	11/12/93
BW#2	SOIL	11/05/93	11/10/93	-	11/12/93
BW#3	SOIL	11/05/93	11/10/93	-	11/12/93
BW#4	SOIL	11/05/93	11/10/93	-	11/12/93
BW#5	SOIL	11/05/93	11/10/93	-	11/12/93
BW#6	SOIL	11/05/93	11/10/93	-	11/12/93
BW#7	SOIL	11/05/93	11/10/93	-	11/15/93
S#1	WATER	11/05/93	11/10/93	-	11/12/93

I.D. #A3-3935.2

NYSDEC-2



RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME RECRA ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
BW#1	SOIL	11/05/93	11/10/93	11/13/93	11/22/93
BW#2	SOIL	11/05/93	11/10/93	11/13/93	11/20/93
BW#3	SOIL	11/05/93	11/10/93	11/13/93	11/22/93
BW#4	SOIL	11/05/93	11/10/93	11/13/93	11/22/93
BW#5	SOIL	11/05/93	11/10/93	11/13/93	11/20/93
BW#6	SOIL	11/05/93	11/10/93	11/13/93	11/24/93
BW#7	SOIL	11/05/93	11/10/93	11/13/93	11/20/93

I.D. #A3-3935.3

NYSDEC-3



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
BW#1	SOIL	11/05/93	11/10/93	11/13/93	12/01/93
BW#2	SOIL	11/05/93	11/10/93	11/13/93	12/01/93
BW#3	SOIL	11/05/93	11/10/93	11/13/93	12/01/93
BW#4	SOIL	11/05/93	11/10/93	11/13/93	12/01/93
BW#5	SOIL	11/05/93	11/10/93	11/13/93	12/01/93
BW#6	SOIL	11/05/93	11/10/93	11/13/93	12/01/93
BW#7	SOIL	11/05/93	11/10/93	11/13/93	12/01/93

I.D. #A3-3935.4

NYSDEC-4



RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME RECRA ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
BW#1	SOIL	T-METALS	11/10/93	11/19/93	11/24,29/93, 12/01,02/93
BW#2	SOIL	T-METALS	11/10/93	11/19/93	11/24,29/93, 12/01,02/93
BW#3	SOIL	T-METALS	11/10/93	11/19/93	11/24,29/93, 12/01,02/93
BW#4	SOIL	T-METALS	11/10/93	11/19/93	11/24,29/93, 12/01,02/93
BW#5	SOIL	T-METALS	11/10/93	11/19/93	11/24,29/93, 12/01,02/93
BW#6	SOIL	T-METALS	11/10/93	11/19/93	11/24,29/93, 12/01,02/93
BW#7	SOIL	T-METALS	11/10/93	11/19/93	11/24,29/93, 12/01,02/93
S#1	WATER	T-METALS	11/10/93	11/16/93	11/17,20,24,29/93, 12/01,02/93

I.D. #A3-3935.5

NYSDEC-5



RECRA
ENVIRONMENTAL
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
BW#1	SOIL	ASP91	SONC*	AS REQUIRED	AS REQUIRED
BW#2	SOIL	ASP91	SONC*	AS REQUIRED	AS REQUIRED
BW#3	SOIL	ASP91	SONC*	AS REQUIRED	AS REQUIRED
BW#4	SOIL	ASP91	SONC*	AS REQUIRED	AS REQUIRED
BW#5	SOIL	ASP91	SONC*	AS REQUIRED	AS REQUIRED
BW#6	SOIL	ASP91	SONC*	AS REQUIRED	AS REQUIRED
BW#7	SOIL	ASP91	SONC*	AS REQUIRED	AS REQUIRED
S#1	WATER	ASP91	-	AS REQUIRED	AS REQUIRED

* SEMIVOLATILES AND PESTICIDE / PCB ANALYSIS ONLY

I.D. #A3-3935.6

NYSDEC-6



RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME RECRA ENVIRONMENTAL, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
BW#1	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
BW#2	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
BW#3	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
BW#4	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
BW#5	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
BW#6	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
BW#7	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
S#1	WATER	ASP91	ASP91	AS REQUIRED	AS REQUIRED

I.D. #A3-3935.7

NYSDEC-7



RECRA
ENVIRONMENTAL
INC.

ORGANIC DATA COMMENT PAGE

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 indicates 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.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results.
- P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a "P".
- A - This flag indicates that a TIC is a suspected aldol-condensation product.



INORGANIC DATA COMMENT PAGE

Laboratory Name RECRA ENVIRONMENTAL, INC.

USEPA Defined Inorganic Data Qualifiers:

- B - Indicates a value greater than or equal to the instrument detection limit but less than the contract required detection limit.
- U - Indicates element was analyzed for but not detected. Report with the detection limit value (e.g., 100).
- E - Indicates a value estimated or not reported due to the presence of interference.
- S - Indicates value determined by Method of Standard Addition.
- N - Indicates spike sample recovery is not within control limits.
- * - Indicates duplicate analysis is not within control limits.
- + - Indicates the correlation coefficient for method of standard addition is less than 0.995.
- M - Indicates duplicate injection results exceeded control limits.
- W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

0014
EPA SAMPLE NO.

BW1

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050118

Sample wt/vol: 5.0 (g/mL) G Lab File ID: H2924

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: not dec. 13 Date Analyzed: 11/12/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	50	
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Total Xylenes	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0015
EPA SAMPLE NO.

BW1

Lab Name: RECRA ENVIRON Contract: NY93-584
Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
Matrix: (soil/water) SOIL Lab Sample ID: AS050118
Sample wt/vol: 5.0 (g/mL) G Lab File ID: H2924
Level: (low/med) LOW Date Received: 11/10/93
% Moisture: not dec. 13 Date Analyzed: 11/12/93
Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

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

0016

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW2

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050119Sample wt/vol: 5.1 (g/mL) GLab File ID: H2925Level: (low/med) LOWDate Received: 11/10/93% Moisture: not dec. 13Date Analyzed: 11/12/93GC Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

Q

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl Chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene Chloride	11	U
67-64-1-----	Acetone	36	
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
540-59-0-----	1,2-Dichloroethene (total)	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5-----	cis-1,3-dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6-----	trans-1,3-dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-Pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-88-3-----	Toluene	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Total Xylenes	11	U

0017

EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BW2

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050119

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H2925

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: not dec. 13 Date Analyzed: 11/12/93

%C Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

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

0018

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW3

Lab Name: RECRA ENVIRONContract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050120Sample wt/vol: 5.0 (g/mL) GLab File ID: H2926Level: (low/med) LOWDate Received: 11/10/93% Moisture: not dec. 20Date Analyzed: 11/12/93Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

0019

EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BW3

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050120Sample wt/vol: 5.0 (g/mL) G Lab File ID: H2926Level: (low/med) LOW Date Received: 11/10/93% Moisture: not dec. 20 Date Analyzed: 11/12/93Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

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

0020

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW4

Lab Name: RECRA ENVIRONContract: NY93-584Lab Code: RECNY Case No.: 3935

SAS No.: _____

SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050121Sample wt/vol: 5.1 (g/mL) GLab File ID: H2927Level: (low/med) LOWDate Received: 11/10/93% Moisture: not dec. 11Date Analyzed: 11/12/93Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0021
EPA SAMPLE NO.

BW4

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050121

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H2927

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: not dec. 11 Date Analyzed: 11/12/93

Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

0022
EPA SAMPLE NO.

BW5

Lab Name: RECRA ENVIRON Contract: NY93-584
Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
Matrix: (soil/water) SOIL Lab Sample ID: AS050122
Sample wt/vol: 5.1 (g/mL) G Lab File ID: H2928
Level: (low/med) LOW Date Received: 11/10/93
% Moisture: not dec. 17 Date Analyzed: 11/12/93
Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

0023

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BW5

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050122

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H2928

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: not dec. 17 Date Analyzed: 11/12/93

Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

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

0024

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW6

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050123Sample wt/vol: 5.0 (g/mL) G Lab File ID: H2931Level: (low/med) LOW Date Received: 11/10/93% Moisture: not dec. 19 Date Analyzed: 11/12/93GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

0025

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BW6

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050123Sample wt/vol: 5.0 (g/mL) GLab File ID: H2931Level: (low/med) LOWDate Received: 11/10/93% Moisture: not dec. 19Date Analyzed: 11/12/93GC Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	
1.	UNKNOWN	24.42	7	

0026

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW7

Lab Name: RECRA ENVIRONContract: NY93-584Lab Code: RECNY Case No.: 3935

SAS No.: _____

SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050124Sample wt/vol: 5.0 (g/mL) GLab File ID: H2947Level: (low/med) LOWDate Received: 11/10/93% Moisture: not dec. 15Date Analyzed: 11/15/93Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0027
EPA SAMPLE NO.

BW7

Lab Name: RECRA ENVIRON Contract: NY93-584
Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
Matrix: (soil/water) SOIL Lab Sample ID: AS050124
Sample wt/vol: 5.0 (g/mL) G Lab File ID: H2947
Level: (low/med) LOW Date Received: 11/10/93
% Moisture: not dec. 15 Date Analyzed: 11/15/93
Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

0028
EPA SAMPLE NO.

S1

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) WATER

Lab Sample ID: AS050125

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

Lab File ID: K8053

Level: (low/med) LOW

Date Received: 11/10/93

% Moisture: not dec. _____

Date Analyzed: 11/12/93

C Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

Q

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0029
EPA SAMPLE NO.

S1

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) WATER

Lab Sample ID: AS050125

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

Lab File ID: K8053

Level: (low/med) LOW

Date Received: 11/10/93

% Moisture: not dec. _____

Date Analyzed: 11/12/93

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

0030

EPA SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BW1

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050118Sample wt/vol: 30.2 (g/mL) G Lab File ID: 15828YLevel: (low/med) LOW Date Received: 11/10/93% Moisture: 14 decanted: (Y/N) N Date Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93Injection Volume: 2.0 (uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.6CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	380	U
111-44-4-----	bis(2-Chloroethyl) Ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	380	U
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethylphenol	380	U
111-91-1-----	bis(2-Chloroethoxy)Methane	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	380	U
106-47-8-----	4-Chloroaniline	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-Methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	380	U
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	920	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	920	U
131-11-3-----	Dimethyl Phthalate	380	U
208-96-8-----	Acenaphthylene	380	U
606-20-2-----	2,6-Dinitrotoluene	380	U
99-09-2-----	3-Nitroaniline	920	U
83-32-9-----	Acenaphthene	380	U

0031

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW1

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050118Sample wt/vol: 30.2 (g/mL) GLab File ID: 15828YLevel: (low/med) LOWDate Received: 11/10/93% Moisture: 14 decanted: (Y/N) NDate Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 11/22/93Injection Volume: 2.0 (uL)Dilution Factor: 1.0GLC Cleanup: (Y/N) Y pH: 8.6CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	920	U
100-02-7-----	4-Nitrophenol	920	U
132-64-9-----	Dibenzofuran	380	U
121-14-2-----	2,4-Dinitrotoluene	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	380	U
100-01-6-----	4-Nitroaniline	920	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	920	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenyl-phenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	920	U
85-01-8-----	Phenanthrene	51	J
120-12-7-----	Anthracene	380	U
86-74-8-----	Carbazole	380	U
84-74-2-----	Di-n-Butylphthalate	380	U
206-44-0-----	Fluoranthene	270	J
129-00-0-----	Pyrene	310	J
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	380	U
56-55-3-----	Benzo(a)Anthracene	100	J
218-01-9-----	Chrysene	160	J
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	100	BJ
117-84-0-----	Di-n-Octyl Phthalate	380	U
205-99-2-----	Benzo(b) Fluoranthene	150	J
207-08-9-----	Benzo(k) Fluoranthene	84	J
50-32-8-----	Benzo(a) Pyrene	67	J
193-39-5-----	Indeno(1,2,3-cd) Pyrene	380	U
53-70-3-----	Dibenz(a,h) Anthracene	380	U
191-24-2-----	Benzo(g,h,i) Perylene	380	U

.0032

EPA SAMPLE NO.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BW1

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050118Sample wt/vol: 30.2 (g/mL) G Lab File ID: 15828YLevel: (low/med) LOW Date Received: 11/10/93% Moisture: 14 decanted: (Y/N) N Date Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93Injection Volume: 2.0 (uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.6CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KGNumber TICs found: 9

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.57	120	J
2.	UNKNOWN	6.72	1100	BJ
3.	OXYGENATED COMPOUND	7.02	230	J
4.	UNKNOWN	28.90	110	J
5.	HEXANEDIOIC ACID DERIVATIVE	29.78	9700	J
6.	UNKNOWN	32.85	270	J
7.	UNKNOWN	33.78	570	J
8.	UNKNOWN	35.55	610	J
9.	UNKNOWN	37.10	400	J

0033

EPA SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BWIRE

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050118RISample wt/vol: 30.2 (g/mL) GLab File ID: 15829YLevel: (low/med) LOWDate Received: 11/10/93% Moisture: 14 decanted: (Y/N) NDate Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 11/22/93Injection Volume: 2.0 (uL)Dilution Factor: 1.0PC Cleanup: (Y/N) Y pH: 8.6CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	380	U
111-44-4-----	bis(2-Chloroethyl) Ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	380	U
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethylphenol	380	U
111-91-1-----	bis(2-Chloroethoxy) Methane	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	380	U
106-47-8-----	4-Chloroaniline	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-Methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	380	U
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	920	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	920	U
131-11-3-----	Dimethyl Phthalate	380	U
208-96-8-----	Acenaphthylene	380	U
606-20-2-----	2,6-Dinitrotoluene	380	U
99-09-2-----	3-Nitroaniline	920	U
83-32-9-----	Acenaphthene	380	U

0034

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW1RE

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050118RISample wt/vol: 30.2 (g/mL) G Lab File ID: 15829YLevel: (low/med) LOW Date Received: 11/10/93% Moisture: 14 decanted: (Y/N) N Date Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93Injection Volume: 2.0 (uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.6CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	920	U
100-02-7-----	4-Nitrophenol	920	U
132-64-9-----	Dibenzofuran	380	U
121-14-2-----	2,4-Dinitrotoluene	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	380	U
100-01-6-----	4-Nitroaniline	920	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	920	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenyl-phenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	920	U
85-01-8-----	Phenanthrene	49	J
120-12-7-----	Anthracene	380	U
86-74-8-----	Carbazole	9	J
84-74-2-----	Di-n-Butylphthalate	380	U
206-44-0-----	Fluoranthene	260	J
129-00-0-----	Pyrene	370	J
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	380	U
56-55-3-----	Benzo(a)Anthracene	99	J
218-01-9-----	Chrysene	160	J
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	110	BJ
117-84-0-----	Di-n-Octyl Phthalate	380	U
205-99-2-----	Benzo(b)Fluoranthene	130	J
207-08-9-----	Benzo(k)Fluoranthene	91	J
50-32-8-----	Benzo(a)Pyrene	68	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3-----	Dibenz(a,h)Anthracene	380	U
191-24-2-----	Benzo(g,h,i)Perylene	380	U

0035

EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BWIRE

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050118RISample wt/vol: 30.2 (g/mL) GLab File ID: 15829YLevel: (low/med) LOWDate Received: 11/10/93% Moisture: 14 decanted: (Y/N) NDate Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 11/22/93Injection Volume: 2.0 (uL)Dilution Factor: 1.0PC Cleanup: (Y/N) Y pH: 8.6Number TICs found: 9CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.58	110	J
2.	UNKNOWN	6.72	990	J
3. 930-68-7	2-CYCLOHEXEN-1-ONE	7.02	230	JN
4.	UNKNOWN	7.80	130	J
5.	UNKNOWN	28.90	120	J
6.	HEXANEDIOIC ACID DERIVATIVE	29.78	12000	J
7.	UNKNOWN	31.88	170	J
8.	UNKNOWN	32.85	290	J
9.	UNKNOWN	37.10	420	J

0036

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW2

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050119Sample wt/vol: 30.3 (g/mL) G Lab File ID: 15812YLevel: (low/med) LOW Date Received: 11/10/93% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/93Injection Volume: 2.0 (uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 9.1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy) Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	370	U

0037

EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BW2

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050119Sample wt/vol: 30.3 (g/mL) G Lab File ID: 15812YLevel: (low/med) LOW Date Received: 11/10/93% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/93Injection Volume: 2.0 (uL) Dilution Factor: 1.0PC Cleanup: (Y/N) Y pH: 9.1CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	900	U
100-02-7-----	4-Nitrophenol	900	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	900	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	900	U
85-01-8-----	Phenanthrene	370	U
120-12-7-----	Anthracene	370	U
86-74-8-----	Carbazole	370	U
84-74-2-----	Di-n-Butylphthalate	370	U
206-44-0-----	Fluoranthene	370	U
129-00-0-----	Pyrene	370	U
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	370	U
56-55-3-----	Benzo(a)Anthracene	370	U
218-01-9-----	Chrysene	370	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	100	BJ
117-84-0-----	Di-n-Octyl Phthalate	370	U
205-99-2-----	Benzo(b)Fluoranthene	370	U
207-08-9-----	Benzo(k)Fluoranthene	370	U
50-32-8-----	Benzo(a)Pyrene	370	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3-----	Dibenz(a,h)Anthracene	370	U
191-24-2-----	Benzo(g,h,i)Perylene	370	U

0038

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BW2

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050119Sample wt/vol: 30.3 (g/mL) GLab File ID: 15812YLevel: (low/med) LOWDate Received: 11/10/93% Moisture: 12 decanted: (Y/N) NDate Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 11/20/93Injection Volume: 2.0 (uL)Dilution Factor: 1.0GP Cleanup: (Y/N) Y pH: 9.1Number TICs found: 2
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.73	710	BJ
2.	HEXANEDIOIC ACID DERIVATIVE	29.87	14000	BJ

0039

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW3

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050120Sample wt/vol: 30.2 (g/mL) GLab File ID: 15830YLevel: (low/med) LOWDate Received: 11/10/93% Moisture: 14 decanted: (Y/N) NDate Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 11/22/93Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 9.0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	370	U
111-44-4-----	bis(2-Chloroethyl) Ether	370	U
95-57-8-----	2-Chlorophenol	370	U
541-73-1-----	1,3-Dichlorobenzene	370	U
106-46-7-----	1,4-Dichlorobenzene	370	U
95-50-1-----	1,2-Dichlorobenzene	370	U
95-48-7-----	2-Methylphenol	370	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5-----	4-Methylphenol	370	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	370	U
67-72-1-----	Hexachloroethane	370	U
98-95-3-----	Nitrobenzene	370	U
78-59-1-----	Isophorone	370	U
88-75-5-----	2-Nitrophenol	370	U
105-67-9-----	2,4-Dimethylphenol	370	U
111-91-1-----	bis(2-Chloroethoxy) Methane	370	U
120-83-2-----	2,4-Dichlorophenol	370	U
120-82-1-----	1,2,4-Trichlorobenzene	370	U
91-20-3-----	Naphthalene	370	U
106-47-8-----	4-Chloroaniline	370	U
87-68-3-----	Hexachlorobutadiene	370	U
59-50-7-----	4-Chloro-3-Methylphenol	370	U
91-57-6-----	2-Methylnaphthalene	370	U
77-47-4-----	Hexachlorocyclopentadiene	370	U
88-06-2-----	2,4,6-Trichlorophenol	370	U
95-95-4-----	2,4,5-Trichlorophenol	900	U
91-58-7-----	2-Chloronaphthalene	370	U
88-74-4-----	2-Nitroaniline	900	U
131-11-3-----	Dimethyl Phthalate	370	U
208-96-8-----	Acenaphthylene	370	U
606-20-2-----	2,6-Dinitrotoluene	370	U
99-09-2-----	3-Nitroaniline	900	U
83-32-9-----	Acenaphthene	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

.0040
EPA SAMPLE NO.

BW3

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050120

Sample wt/vol: 30.9 (g/mL) G Lab File ID: 15830Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

IPC Cleanup: (Y/N) Y pH: 9.0

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	900	U
100-02-7-----	4-Nitrophenol	900	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	900	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	900	U
85-01-8-----	Phenanthrene	35	J
120-12-7-----	Anthracene	370	U
86-74-8-----	Carbazole	370	U
84-74-2-----	Di-n-Butylphthalate	370	U
206-44-0-----	Fluoranthene	57	J
129-00-0-----	Pyrene	100	J
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	370	U
56-55-3-----	Benzo(a)Anthracene	33	J
218-01-9-----	Chrysene	58	J
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	180	BJ
117-84-0-----	Di-n-Octyl Phthalate	370	U
205-99-2-----	Benzo(b) Fluoranthene	370	U
207-08-9-----	Benzo(k) Fluoranthene	370	U
50-32-8-----	Benzo(a) Pyrene	370	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	370	U
53-70-3-----	Dibenz(a,h) Anthracene	370	U
191-24-2-----	Benzo(g,h,i) Perylene	370	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0041
EPA SAMPLE NO.

BW3

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050120

Sample wt/vol: 30.9 (g/mL) G Lab File ID: 15830Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.0

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.72	950	BJ
2.	UNKNOWN	8.43	240	J
3.	UNKNOWN ACID	24.73	94	J
4.	HEXANEDIOIC ACID DERIVATIVE	29.78	23000	BJ
5.	UNKNOWN	34.07	200	J

0042

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW3RE

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050120RISample wt/vol: 30.9 (g/mL) G Lab File ID: 15831YLevel: (low/med) LOW Date Received: 11/10/93% Moisture: 14 decanted: (Y/N) N Date Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93Injection Volume: 2.0 (uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 9.0

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	370	U
111-44-4	bis(2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy) Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	370	U

0043

EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BW3RE

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AS050120RISample wt/vol: 30.9 (g/mL) GLab File ID: 15831YLevel: (low/med) LOWDate Received: 11/10/93% Moisture: 14 decanted: (Y/N) NDate Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 11/22/93Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 9.0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	900	U
100-02-7-----	4-Nitrophenol	900	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	900	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	900	U
85-01-8-----	Phenanthrene	37	J
120-12-7-----	Anthracene	370	U
86-74-8-----	Carbazole	370	U
84-74-2-----	Di-n-Butylphthalate	370	U
206-44-0-----	Fluoranthene	55	J
129-00-0-----	Pyrene	110	J
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	370	U
56-55-3-----	Benzo(a)Anthracene	32	J
218-01-9-----	Chrysene	61	J
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	190	BJ
117-84-0-----	Di-n-Octyl Phthalate	370	U
205-99-2-----	Benzo(b)Fluoranthene	370	U
207-08-9-----	Benzo(k)Fluoranthene	370	U
50-32-8-----	Benzo(a)Pyrene	370	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3-----	Dibenz(a,h)Anthracene	370	U
191-24-2-----	Benzo(g,h,i)Perylene	370	U

0044

EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BW3RE

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050120RISample wt/vol: 30.9 (g/mL) G Lab File ID: 15831YLevel: (low/med) LOW Date Received: 11/10/93% Moisture: 14 decanted: (Y/N) N Date Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93Injection Volume: 2.0 (uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 9.0Number TICs found: 5CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.72	940	BJ
2.	OXYGENATED COMPOUND	7.07	330	J
3.	UNKNOWN	8.43	240	J
4.	HEXANEDIOIC ACID DERIVATIVE	29.78	26000	BJ
5.	UNKNOWN	37.12	370	J

0045

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW4

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050121Sample wt/vol: 30.8 (g/mL) G Lab File ID: 15832YLevel: (low/med) LOW Date Received: 11/10/93% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93Injection Volume: 2.0 (uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.3CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	350	U
111-44-4-----	bis(2-Chloroethyl) Ether	350	U
95-57-8-----	2-Chlorophenol	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
95-50-1-----	1,2-Dichlorobenzene	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5-----	4-Methylphenol	350	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
111-91-1-----	bis(2-Chloroethoxy) Methane	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
91-20-3-----	Naphthalene	350	U
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
59-50-7-----	4-Chloro-3-Methylphenol	350	U
91-57-6-----	2-Methylnaphthalene	350	U
77-47-4-----	Hexachlorocyclopentadiene	350	U
88-06-2-----	2,4,6-Trichlorophenol	350	U
95-95-4-----	2,4,5-Trichlorophenol	860	U
91-58-7-----	2-Chloronaphthalene	350	U
88-74-4-----	2-Nitroaniline	860	U
131-11-3-----	Dimethyl Phthalate	350	U
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U
99-09-2-----	3-Nitroaniline	860	U
83-32-9-----	Acenaphthene	350	U

0046

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW4

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AS050121Sample wt/vol: 30.8 (g/mL) G Lab File ID: 15832YLevel: (low/med) LOW Date Received: 11/10/93% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93Injection Volume: 2.0 (uL) Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 8.3CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	860	U
100-02-7-----	4-Nitrophenol	860	U
132-64-9-----	Dibenzofuran	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	860	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	860	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenyl-phenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	860	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
86-74-8-----	Carbazole	350	U
84-74-2-----	Di-n-Butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	350	U
56-55-3-----	Benzo(a)Anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	280	BJ
117-84-0-----	Di-n-Octyl Phthalate	350	U
205-99-2-----	Benzo(b)Fluoranthene	350	U
207-08-9-----	Benzo(k)Fluoranthene	350	U
50-32-8-----	Benzo(a)Pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3-----	Dibenz(a,h)Anthracene	350	U
191-24-2-----	Benzo(g,h,i)Perylene	350	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0047
EPA SAMPLE NO.

BW4

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050121

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 15832Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.72	840	BJ
2.	OXYGENATED COMPOUND	7.07	350	J
3.	UNKNOWN	8.43	220	J
4.	HEXANEDIOIC ACID DERIVATIVE	29.80	31000	BJ
5.	UNKNOWN	30.90	330	J
6.	UNKNOWN	34.08	400	J

0048

EPA SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BW4RE

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050121RI

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 15833Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	350	U
111-44-4-----bis(2-Chloroethyl) Ether	350	U
95-57-8-----2-Chlorophenol	350	U
541-73-1-----1,3-Dichlorobenzene	350	U
106-46-7-----1,4-Dichlorobenzene	350	U
95-50-1-----1,2-Dichlorobenzene	350	U
95-48-7-----2-Methylphenol	350	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	350	U
106-44-5-----4-Methylphenol	350	U
621-64-7-----N-Nitroso-Di-n-Propylamine	350	U
67-72-1-----Hexachloroethane	350	U
98-95-3-----Nitrobenzene	350	U
78-59-1-----Isophorone	350	U
88-75-5-----2-Nitrophenol	350	U
105-67-9-----2,4-Dimethylphenol	350	U
111-91-1-----bis(2-Chloroethoxy) Methane	350	U
120-83-2-----2,4-Dichlorophenol	350	U
120-82-1-----1,2,4-Trichlorobenzene	350	U
91-20-3-----Naphthalene	350	U
106-47-8-----4-Chloroaniline	350	U
87-68-3-----Hexachlorobutadiene	350	U
59-50-7-----4-Chloro-3-Methylphenol	350	U
91-57-6-----2-Methylnaphthalene	350	U
77-47-4-----Hexachlorocyclopentadiene	350	U
88-06-2-----2,4,6-Trichlorophenol	350	U
95-95-4-----2,4,5-Trichlorophenol	860	U
91-58-7-----2-Chloronaphthalene	350	U
88-74-4-----2-Nitroaniline	860	U
131-11-3-----Dimethyl Phthalate	350	U
208-96-8-----Acenaphthylene	350	U
606-20-2-----2,6-Dinitrotoluene	350	U
99-09-2-----3-Nitroaniline	860	U
83-32-9-----Acenaphthene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

0049
EPA SAMPLE NO.

BW4RE

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050121RI

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 15833Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND

51-28-5-----	2,4-Dinitrophenol	860	U
100-02-7-----	4-Nitrophenol	860	U
132-64-9-----	Dibenzofuran	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	860	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	860	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenyl-phenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	860	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
86-74-8-----	Carbazole	350	U
84-74-2-----	Di-n-Butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	350	U
56-55-3-----	Benzo(a)Anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	280	BJ
117-84-0-----	Di-n-Octyl Phthalate	350	U
205-99-2-----	Benzo(b)Fluoranthene	350	U
207-08-9-----	Benzo(k)Fluoranthene	350	U
50-32-8-----	Benzo(a)Pyrene	350	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3-----	Dibenz(a,h)Anthracene	350	U
191-24-2-----	Benzo(g,h,i)Perylene	350	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0050
EPA SAMPLE NO.

BW4RE

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050121RI

Sample wt/vol: 30.8 (g/mL) G Lab File ID: 15833Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/22/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 8 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN	6.73	910	BJ
2.	UNKNOWN	7.07	340	J
3.	UNKNOWN	8.45	210	J
4.	UNKNOWN	28.78	350	J
5.	UNKNOWN	29.25	140	J
6.	HEXANEDIOIC ACID DERIVATIVE	29.80	31000	BJ
7.	UNKNOWN	34.08	460	J
8.	UNKNOWN	37.15	380	J

0051

EPA SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BW5

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050122

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 15813Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

108-95-2-----	Phenol	410	U
111-44-4-----	bis(2-Chloroethyl) Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	410	U
95-48-7-----	2-Methylphenol	410	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5-----	4-Methylphenol	410	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	410	U
67-72-1-----	Hexachloroethane	410	U
98-95-3-----	Nitrobenzene	410	U
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
111-91-1-----	bis(2-Chloroethoxy)Methane	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
120-82-1-----	1,2,4-Trichlorobenzene	410	U
91-20-3-----	Naphthalene	410	U
106-47-8-----	4-Chloroaniline	410	U
87-68-3-----	Hexachlorobutadiene	410	U
59-50-7-----	4-Chloro-3-Methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	410	U
77-47-4-----	Hexachlorocyclopentadiene	410	U
88-06-2-----	2,4,6-Trichlorophenol	410	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	410	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethyl Phthalate	410	U
208-96-8-----	Acenaphthylene	410	U
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

0052
EPA SAMPLE NO.

BW5

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050122

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 15813Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

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

51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	410	U
121-14-2-----	2,4-Dinitrotoluene	410	U
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl-phenylether	410	U
86-73-7-----	Fluorene	410	U
100-01-6-----	4-Nitroaniline	1000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-phenylether	410	U
118-74-1-----	Hexachlorobenzene	410	U
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	410	U
120-12-7-----	Anthracene	410	U
86-74-8-----	Carbazole	410	U
84-74-2-----	Di-n-Butylphthalate	410	U
206-44-0-----	Fluoranthene	410	U
129-00-0-----	Pyrene	410	U
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	410	U
56-55-3-----	Benzo(a)Anthracene	410	U
218-01-9-----	Chrysene	410	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	150	BJ
117-84-0-----	Di-n-Octyl Phthalate	410	U
205-99-2-----	Benzo(b)Fluoranthene	7	J
207-08-9-----	Benzo(k)Fluoranthene	410	U
50-32-8-----	Benzo(a)Pyrene	410	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3-----	Dibenz(a,h)Anthracene	410	U
191-24-2-----	Benzo(g,h,i)Perylene	410	U

0053

EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BW5

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050122

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 15813Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

Number TICs found: 16

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.75	1100	BJ
2.	UNKNOWN	7.43	280	J
3.	UNKNOWN	29.40	1300	J
4.	HEXANEDIOIC ACID DERIVATIVE	29.88	13000	BJ
5.	UNKNOWN	30.13	2500	J
6.	UNKNOWN	30.60	6100	J
7.	UNKNOWN	30.95	620	J
8.	UNKNOWN	31.42	110	J
9.	UNKNOWN	32.30	2000	J
10.	UNKNOWN	32.52	500	J
11.	UNKNOWN	32.93	750	J
12.	UNKNOWN	34.18	120	J
13.	LONG CHAIN SAT. HYDROCARBON	36.55	550	J
14.	UNKNOWN	38.83	140	J
15.	UNKNOWN	39.25	1100	J
16.	UNKNOWN	39.90	280	J

0054

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW6

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050123

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 15855Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/24/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

CONCENTRATION UNITS:

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

Q

CAS NO.

COMPOUND

108-95-2-----	Phenol	400	U
111-44-4-----	bis(2-Chloroethyl) Ether	400	U
95-57-8-----	2-Chlorophenol	400	U
541-73-1-----	1,3-Dichlorobenzene	400	U
106-46-7-----	1,4-Dichlorobenzene	400	U
95-50-1-----	1,2-Dichlorobenzene	400	U
95-48-7-----	2-Methylphenol	400	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5-----	4-Methylphenol	400	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	400	U
67-72-1-----	Hexachloroethane	400	U
98-95-3-----	Nitrobenzene	400	U
78-59-1-----	Isophorone	400	U
88-75-5-----	2-Nitrophenol	400	U
105-67-9-----	2,4-Dimethylphenol	400	U
111-91-1-----	bis(2-Chloroethoxy) Methane	400	U
120-83-2-----	2,4-Dichlorophenol	400	U
120-82-1-----	1,2,4-Trichlorobenzene	400	U
91-20-3-----	Naphthalene	470	
106-47-8-----	4-Chloroaniline	400	U
87-68-3-----	Hexachlorobutadiene	400	U
59-50-7-----	4-Chloro-3-Methylphenol	400	U
91-57-6-----	2-Methylnaphthalene	160	J
77-47-4-----	Hexachlorocyclopentadiene	400	U
88-06-2-----	2,4,6-Trichlorophenol	400	U
95-95-4-----	2,4,5-Trichlorophenol	980	U
91-58-7-----	2-Chloronaphthalene	400	U
88-74-4-----	2-Nitroaniline	980	U
131-11-3-----	Dimethyl Phthalate	400	U
208-96-8-----	Acenaphthylene	58	J
606-20-2-----	2,6-Dinitrotoluene	400	U
99-09-2-----	3-Nitroaniline	980	U
83-32-9-----	Acenaphthene	330	J

0055

EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BW6

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050123

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 15855Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/24/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	980	U
100-02-7-----	4-Nitrophenol	980	U
132-64-9-----	Dibenzofuran	230	J
121-14-2-----	2,4-Dinitrotoluene	400	U
84-66-2-----	Diethylphthalate	400	U
7005-72-3-----	4-Chlorophenyl-phenylether	400	U
86-73-7-----	Fluorene	410	
100-01-6-----	4-Nitroaniline	980	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	980	U
86-30-6-----	N-Nitrosodiphenylamine (1)	400	U
101-55-3-----	4-Bromophenyl-phenylether	400	U
118-74-1-----	Hexachlorobenzene	400	U
87-86-5-----	Pentachlorophenol	980	U
85-01-8-----	Phenanthrene	2400	
120-12-7-----	Anthracene	570	
86-74-8-----	Carbazole	370	J
84-74-2-----	Di-n-Butylphthalate	400	U
206-44-0-----	Fluoranthene	3000	
129-00-0-----	Pyrene	2900	
85-68-7-----	Butylbenzylphthalate	400	U
91-94-1-----	3,3'-Dichlorobenzidine	400	U
56-55-3-----	Benzo(a)Anthracene	1300	
218-01-9-----	Chrysene	1200	
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	280	BJ
117-84-0-----	Di-n-Octyl Phthalate	400	U
205-99-2-----	Benzo(b)Fluoranthene	1600	
207-08-9-----	Benzo(k)Fluoranthene	950	
50-32-8-----	Benzo(a)Pyrene	1100	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	490	
53-70-3-----	Dibenz(a,h)Anthracene	94	J
191-24-2-----	Benzo(g,h,i)Perylene	250	J

0056

EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BW6

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050123

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 15855Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/24/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

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

Number TICs found: 19

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SATURATED HYDROCARBON	21.18	1800	J
2.	SATURATED HYDROCARBON	22.63	750	J
3.	SATURATED HYDROCARBON	23.88	760	J
4.	UNKNOWN	27.40	270	J
5.	PAH DERIVATIVE	27.90	300	J
6.	PAH DERIVATIVE	28.10	140	J
7.	UNKNOWN	29.43	120	J
8.	HEXANEDIOIC ACID DERIVATIVE	29.73	3700	BJ
9.	UNKNOWN	29.88	140	J
10.	SATURATED HYDROCARBON	30.85	240	J
11.	PAH DERIVATIVE	31.22	170	J
12.	UNKNOWN	31.85	370	J
13.	UNKNOWN	32.17	230	J
14.	UNKNOWN HYDROCARBON	32.82	360	J
15.	UNKNOWN	33.12	400	J
16.	UNKNOWN	34.02	270	J
17.	UNKNOWN	34.12	100	J
18.	PAH DERIVATIVE	34.42	740	J
19.	UNKNOWN	36.20	280	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

.0057
EPA SAMPLE NO.

BW7

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050124

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 15811Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

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

CAS NO. COMPOUND

108-95-2-----	Phenol	400	U
111-44-4-----	bis(2-Chloroethyl) Ether	400	U
95-57-8-----	2-Chlorophenol	400	U
541-73-1-----	1,3-Dichlorobenzene	400	U
106-46-7-----	1,4-Dichlorobenzene	400	U
95-50-1-----	1,2-Dichlorobenzene	400	U
95-48-7-----	2-Methylphenol	400	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5-----	4-Methylphenol	400	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	400	U
67-72-1-----	Hexachloroethane	400	U
98-95-3-----	Nitrobenzene	400	U
78-59-1-----	Isophorone	400	U
88-75-5-----	2-Nitrophenol	400	U
105-67-9-----	2,4-Dimethylphenol	400	U
111-91-1-----	bis(2-Chloroethoxy) Methane	400	U
120-83-2-----	2,4-Dichlorophenol	400	U
120-82-1-----	1,2,4-Trichlorobenzene	400	U
91-20-3-----	Naphthalene	400	U
106-47-8-----	4-Chloroaniline	400	U
87-68-3-----	Hexachlorobutadiene	400	U
59-50-7-----	4-Chloro-3-Methylphenol	400	U
91-57-6-----	2-Methylnaphthalene	400	U
77-47-4-----	Hexachlorocyclopentadiene	400	U
88-06-2-----	2,4,6-Trichlorophenol	400	U
95-95-4-----	2,4,5-Trichlorophenol	980	U
91-58-7-----	2-Chloronaphthalene	400	U
88-74-4-----	2-Nitroaniline	980	U
131-11-3-----	Dimethyl Phthalate	400	U
208-96-8-----	Acenaphthylene	400	U
606-20-2-----	2,6-Dinitrotoluene	400	U
99-09-2-----	3-Nitroaniline	980	U
83-32-9-----	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

0058
EPA SAMPLE NO.

BW7

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050124

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 15811Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

IPC Cleanup: (Y/N) Y pH: 8.9

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

CAS NO. COMPOUND

51-28-5-----	2,4-Dinitrophenol	980	U
100-02-7-----	4-Nitrophenol	980	U
132-64-9-----	Dibenzofuran	400	U
121-14-2-----	2,4-Dinitrotoluene	400	U
84-66-2-----	Diethylphthalate	400	U
7005-72-3-----	4-Chlorophenyl-phenylether	400	U
86-73-7-----	Fluorene	400	U
100-01-6-----	4-Nitroaniline	980	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	980	U
86-30-6-----	N-Nitrosodiphenylamine (1)	400	U
101-55-3-----	4-Bromophenyl-phenylether	400	U
118-74-1-----	Hexachlorobenzene	400	U
87-86-5-----	Pentachlorophenol	980	U
85-01-8-----	Phenanthrene	400	U
120-12-7-----	Anthracene	400	U
86-74-8-----	Carbazole	400	U
84-74-2-----	Di-n-Butylphthalate	400	U
206-44-0-----	Fluoranthene	400	U
129-00-0-----	Pyrene	400	U
85-68-7-----	Butylbenzylphthalate	400	U
91-94-1-----	3,3'-Dichlorobenzidine	400	U
56-55-3-----	Benzo(a)Anthracene	400	U
218-01-9-----	Chrysene	400	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	77	BJ
117-84-0-----	Di-n-Octyl Phthalate	400	U
205-99-2-----	Benzo(b) Fluoranthene	400	U
207-08-9-----	Benzo(k) Fluoranthene	400	U
50-32-8-----	Benzo(a) Pyrene	400	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	400	U
53-70-3-----	Dibenz(a,h) Anthracene	400	U
191-24-2-----	Benzo(g,h,i) Perylene	400	U

0059

EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BW7

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050124

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 15811Y

Level: (low/med) LOW Date Received: 11/10/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.75	1200	BJ
2.	HEXANEDIOIC ACID DERIVATIVE	29.85	13000	BJ

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

0060
EPA SAMPLE NO.

BW1

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050118

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 11/10/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/13/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	1.4	J
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	2.1	JP
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

0061

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW2

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050119

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

% Moisture: 12 decanted: (Y/N) N Date Received: 11/10/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/13/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 9.1 Sulfur Cleanup: (Y/N) N

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	3.6	
319-85-7	beta-BHC	1.9	J
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW3

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050120

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

% Moisture: 14 decanted: (Y/N) N Date Received: 11/10/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/13/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 9.0 Sulfur Cleanup: (Y/N) N

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	1.9	U
319-85-7-----	beta-BHC	1.9	U
319-86-8-----	delta-BHC	1.9	U
58-89-9-----	gamma-BHC (Lindane)	1.9	U
76-44-8-----	Heptachlor	1.9	U
309-00-2-----	Aldrin	1.9	U
1024-57-3-----	Heptachlor epoxide	1.9	U
959-98-8-----	Endosulfan I	1.9	U
60-57-1-----	Dieldrin	3.7	U
72-55-9-----	4,4'-DDE	3.7	U
72-20-8-----	Endrin	3.7	U
33213-65-9-----	Endosulfan II	3.7	U
72-54-8-----	4,4'-DDD	3.7	U
1031-07-8-----	Endosulfan sulfate	3.7	U
50-29-3-----	4,4'-DDT	3.7	U
72-43-5-----	Methoxychlor	19	U
53494-70-5-----	Endrin ketone	3.7	U
7421-93-4-----	Endrin aldehyde	3.7	U
5103-71-9-----	alpha-Chlordane	1.9	U
5103-74-2-----	gamma-Chlordane	1.9	U
8001-35-2-----	Toxaphene	190	U
12674-11-2-----	Aroclor-1016	37	U
11104-28-2-----	Aroclor-1221	76	U
11141-16-5-----	Aroclor-1232	37	U
53469-21-9-----	Aroclor-1242	37	U
12672-29-6-----	Aroclor-1248	37	U
11097-69-1-----	Aroclor-1254	37	U
11096-82-5-----	Aroclor-1260	32	J

0063

EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

BW4

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050121

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

% Moisture: 9 decanted: (Y/N) N Date Received: 11/10/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/13/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

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	1.3	J
319-85-7-----	beta-BHC	1.4	JP
319-86-8-----	delta-BHC	1.9	U
58-89-9-----	gamma-BHC (Lindane)	1.9	U
76-44-8-----	Heptachlor	1.9	U
309-00-2-----	Aldrin	1.9	U
1024-57-3-----	Heptachlor epoxide	1.9	U
959-98-8-----	Endosulfan I	1.9	U
60-57-1-----	Dieldrin	3.6	U
72-55-9-----	4,4'-DDE	3.6	U
72-20-8-----	Endrin	3.6	U
33213-65-9-----	Endosulfan II	3.6	U
72-54-8-----	4,4'-DDD	3.6	U
1031-07-8-----	Endosulfan sulfate	3.6	U
50-29-3-----	4,4'-DDT	3.6	U
72-43-5-----	Methoxychlor	19	U
53494-70-5-----	Endrin ketone	3.6	U
7421-93-4-----	Endrin aldehyde	3.6	U
5103-71-9-----	alpha-Chlordane	1.9	U
5103-74-2-----	gamma-Chlordane	1.9	U
8001-35-2-----	Toxaphene	190	U
12674-11-2-----	Aroclor-1016	36	U
11104-28-2-----	Aroclor-1221	73	U
11141-16-5-----	Aroclor-1232	36	U
53469-21-9-----	Aroclor-1242	36	U
12672-29-6-----	Aroclor-1248	36	U
11097-69-1-----	Aroclor-1254	75	
11096-82-5-----	Aroclor-1260	36	U

0064

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW5

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050122

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 21 decanted: (Y/N) N Date Received: 11/10/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/13/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) N

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

319-84-6-----alpha-BHC	2.1	U
319-85-7-----beta-BHC	2.1	U
319-86-8-----delta-BHC	2.1	U
58-89-9-----gamma-BHC (Lindane)	2.1	U
76-44-8-----Heptachlor	2.1	U
309-00-2-----Aldrin	2.1	U
1024-57-3-----Heptachlor epoxide	2.1	U
959-98-8-----Endosulfan I	2.1	U
60-57-1-----Dieldrin	4.1	U
72-55-9-----4,4'-DDE	0.93	JP
72-20-8-----Endrin	4.1	U
33213-65-9-----Endosulfan II	4.1	U
72-54-8-----4,4'-DDD	5.4	
1031-07-8-----Endosulfan sulfate	4.1	U
50-29-3-----4,4'-DDT	1.6	JP
72-43-5-----Methoxychlor	21	U
53494-70-5-----Endrin ketone	4.1	U
7421-93-4-----Endrin aldehyde	1.1	JP
5103-71-9-----alpha-Chlordane	2.1	U
5103-74-2-----gamma-Chlordane	2.1	U
8001-35-2-----Toxaphene	210	U
12674-11-2-----Aroclor-1016	41	U
11104-28-2-----Aroclor-1221	84	U
11141-16-5-----Aroclor-1232	41	U
53469-21-9-----Aroclor-1242	41	U
12672-29-6-----Aroclor-1248	41	U
11097-69-1-----Aroclor-1254	41	U
11096-82-5-----Aroclor-1260	41	U

0065

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BW6

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050123

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

% Moisture: 20 decanted: (Y/N) N Date Received: 11/10/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/13/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 9.4 Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	2.1	U
319-85-7-----	beta-BHC	2.1	U
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	2.1	U
76-44-8-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	2.1	U
60-57-1-----	Dieldrin	4.1	U
72-55-9-----	4,4'-DDE	4.1	U
72-20-8-----	Endrin	4.1	U
33213-65-9-----	Endosulfan II	4.1	U
72-54-8-----	4,4'-DDD	4.1	U
1031-07-8-----	Endosulfan sulfate	4.1	U
50-29-3-----	4,4'-DDT	4.1	U
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	4.1	U
7421-93-4-----	Endrin aldehyde	4.1	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	2.1	U
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	41	U
11104-28-2-----	Aroclor-1221	83	U
11141-16-5-----	Aroclor-1232	41	U
53469-21-9-----	Aroclor-1242	41	U
12672-29-6-----	Aroclor-1248	41	U
11097-69-1-----	Aroclor-1254	14	JP
11096-82-5-----	Aroclor-1260	41	U

0066

EPA SAMPLE NO.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

BW7

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AS050124

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

% Moisture: 19 decanted: (Y/N) N Date Received: 11/10/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/13/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.9 Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	2.1	U
319-85-7-----	beta-BHC	2.1	U
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	2.1	U
76-44-8-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	2.1	U
60-57-1-----	Dieldrin	4.1	U
72-55-9-----	4,4'-DDE	4.1	U
72-20-8-----	Endrin	4.1	U
33213-65-9-----	Endosulfan II	4.1	U
72-54-8-----	4,4'-DDD	4.1	U
1031-07-8-----	Endosulfan sulfate	4.1	U
50-29-3-----	4,4'-DDT	4.1	U
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	4.1	U
7421-93-4-----	Endrin aldehyde	4.1	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	2.1	U
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	41	U
11104-28-2-----	Aroclor-1221	82	U
11141-16-5-----	Aroclor-1232	41	U
53469-21-9-----	Aroclor-1242	41	U
12672-29-6-----	Aroclor-1248	41	U
11097-69-1-----	Aroclor-1254	41	U
11096-82-5-----	Aroclor-1260	41	U

Version: ASP91

[illegible]

Were ICP interelement corrections applied ?	Yes/No	YES
---	--------	-----

Were ICP background corrections applied ?	Yes/No	YES
---	--------	-----

If yes - were raw data generated before application of background corrections ?	Yes/No	NO
---	--------	----

Comments:

I certify that this data package is in compliance with the terms and conditions of the Protocol, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:  Name: Robert K. Wyeth

Date: 12/9/67 Title: Laboratory Director

COVER PAGE - IN

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

BW#1

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1

Matrix (soil/water): SOIL Lab Sample ID: 3175

Level (low/med): LOW Date Received: 11/10/93

% Solids: 86.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2130	—	—	P
7440-36-0	Antimony	13.4	U	N	P
7440-38-2	Arsenic	0.94	B	—	F
7440-39-3	Barium	19.7	B	—	P
7440-41-7	Beryllium	0.67	U	—	P
7440-43-9	Cadmium	0.35	B	—	F
7440-70-2	Calcium	207000	—	*	P
7440-47-3	Chromium	2.2	U	*	P
7440-48-4	Cobalt	4.5	U	—	P
7440-50-8	Copper	3.7	B	—	P
7439-89-6	Iron	10300	—	—	A
7439-92-1	Lead	18.8	—	S	F
7439-95-4	Magnesium	115000	—	*	P
7439-96-5	Manganese	680	—	—	P
7439-97-6	Mercury	0.11	U	—	CV
7440-02-0	Nickel	8.9	B	—	P
7440-09-7	Potassium	403	B	—	P
7782-49-2	Selenium	0.70	U	WN	F
7440-22-4	Silver	2.2	U	N	P
7440-23-5	Sodium	403	B	—	P
7440-28-0	Thallium	0.94	U	—	F
7440-62-2	Vanadium	10.3	B	—	P
7440-66-6	Zinc	259	—	—	P
	Cyanide	1.2	U	N	C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: AS050118

REDIGESTION NUMBER: 3554

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

BW#2

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1

Matrix (soil/water): SOIL

Lab Sample ID: 3176

Level (low/med): LOW

Date Received: 11/10/93

% Solids: 87.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9980	—	—	P
7440-36-0	Antimony	13.3	U	N	P
7440-38-2	Arsenic	2.7	—	—	F
7440-39-3	Barium	86.5	—	—	P
7440-41-7	Beryllium	0.66	U	—	P
7440-43-9	Cadmium	0.20	B	—	F
7440-70-2	Calcium	72600	—	*	P
7440-47-3	Chromium	14.5	—	*	P
7440-48-4	Cobalt	7.5	B	—	P
7440-50-8	Copper	6.3	—	—	P
7439-89-6	Iron	21700	—	—	A
7439-92-1	Lead	14.7	—	+	F
7439-95-4	Magnesium	18400	—	*	P
7439-96-5	Manganese	597	—	—	P
7439-97-6	Mercury	0.11	U	—	CV
7440-02-0	Nickel	20.4	—	—	P
7440-09-7	Potassium	1830	—	—	P
7782-49-2	Selenium	0.67	U	WN	F
7440-22-4	Silver	2.2	U	N	P
7440-23-5	Sodium	734	B	—	P
7440-28-0	Thallium	0.89	U	—	F
7440-62-2	Vanadium	18.6	—	—	P
7440-66-6	Zinc	75.3	—	—	P
	Cyanide	2.1	—	N	C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: AS050119

REDIGESTION NUMBER: 3555

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

BW#3

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1

Matrix (soil/water): SOIL

Lab Sample ID: 3177

Level (low/med): LOW

Date Received: 11/10/93

% Solids: 85.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10800	—	—	P
7440-36-0	Antimony	14.1	U	N	P
7440-38-2	Arsenic	3.5	—	—	F
7440-39-3	Barium	92.9	—	—	P
7440-41-7	Beryllium	0.71	U	—	P
7440-43-9	Cadmium	0.17	B	—	F
7440-70-2	Calcium	54000	—	*	P
7440-47-3	Chromium	15.5	—	*	P
7440-48-4	Cobalt	9.1	B	—	P
7440-50-8	Copper	5.4	B	—	P
7439-89-6	Iron	22200	—	—	A
7439-92-1	Lead	13.6	—	+	F
7439-95-4	Magnesium	15000	—	*	P
7439-96-5	Manganese	546	—	—	P
7439-97-6	Mercury	0.11	U	—	CV
7440-02-0	Nickel	21.8	—	—	P
7440-09-7	Potassium	1880	—	—	P
7782-49-2	Selenium	0.71	U	N	F
7440-22-4	Silver	2.4	U	N	P
7440-23-5	Sodium	383	B	—	P
7440-28-0	Thallium	0.94	U	—	F
7440-62-2	Vanadium	19.1	—	—	P
7440-66-6	Zinc	92.5	—	—	P
	Cyanide	1.2	U	N	C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: AS050120

REDIGESTION NUMBER: 3556

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

BW#4

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1

Matrix (soil/water): SOIL Lab Sample ID: 3178

Level (low/med): LOW Date Received: 11/10/93

% Solids: 90.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7210	-	-	P
7440-36-0	Antimony	13.2	U	N	P
7440-38-2	Arsenic	5.5	-	-	F
7440-39-3	Barium	50.8	-	-	P
7440-41-7	Beryllium	0.66	U	-	P
7440-43-9	Cadmium	0.18	B	-	F
7440-70-2	Calcium	59800	-	*	P
7440-47-3	Chromium	10.8	-	*	P
7440-48-4	Cobalt	6.7	B	-	P
7440-50-8	Copper	11.1	-	-	P
7439-89-6	Iron	16800	-	-	A
7439-92-1	Lead	26.0	-	+	F
7439-95-4	Magnesium	13800	-	*	P
7439-96-5	Manganese	451	-	-	P
7439-97-6	Mercury	0.10	U	-	CV
7440-02-0	Nickel	16.7	-	-	P
7440-09-7	Potassium	707	B	-	P
7782-49-2	Selenium	0.66	U	N	F
7440-22-4	Silver	2.2	U	N	P
7440-23-5	Sodium	299	B	-	P
7440-28-0	Thallium	0.88	U	-	F
7440-62-2	Vanadium	13.6	-	-	P
7440-66-6	Zinc	51.3	-	-	P
	Cyanide	1.1	U	N	C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

LAB_SAMPLE_ID: AS050121

REDIGESTION_NUMBER: 3557

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

BW#5

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY93-584_

Lab Code: RECNY_ Case No.: 3584_ SAS No.: _ SDG No.: BW1_

Matrix (soil/water): SOIL_

Lab Sample ID: 3179

Level (low/med): LOW_

Date Received: 11/10/93

Solids: _79.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	9360	—	—	P_
7440-36-0	Antimony_	15.3	U	N	P_
7440-38-2	Arsenic_	4.5	—	—	F_
7440-39-3	Barium_	64.9	—	—	P_
7440-41-7	Beryllium_	0.77	U	—	P_
7440-43-9	Cadmium_	0.55	B	—	F_
7440-70-2	Calcium_	3490	—	*	P_
7440-47-3	Chromium_	12.4	—	*	P_
7440-48-4	Cobalt_	7.1	B	—	P_
7440-50-8	Copper_	3.8	B	—	P_
7439-89-6	Iron_	14000	—	—	A_
7439-92-1	Lead_	54.6	—	—	F_
7439-95-4	Magnesium_	2790	—	*	P_
7439-96-5	Manganese_	495	—	—	P_
7439-97-6	Mercury_	0.12	U	—	CV
7440-02-0	Nickel_	17.3	—	—	P_
7440-09-7	Potassium_	654	B	—	P_
7782-49-2	Selenium_	0.74	B	WN	F_
7440-22-4	Silver_	2.6	U	N	P_
7440-23-5	Sodium_	411	B	—	P_
7440-28-0	Thallium_	0.99	U	—	F_
7440-62-2	Vanadium_	20.2	—	—	P_
7440-66-6	Zinc_	96.9	—	—	P_
	Cyanide_	1.3	U	N	C_

Color Before: BROWN_ Clarity Before: _ Texture: COARSE

Color After: YELLOW_ Clarity After: CLEAR_ Artifacts: _

Comments:

LAB SAMPLE ID: AS050122_

REDIGESTION_NUMBER: 3558_

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

BW#6

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1

Matrix (soil/water): SOIL Lab Sample ID: 3182

Level (low/med): LOW Date Received: 11/10/93

% Solids: 80.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11300	-		P
7440-36-0	Antimony	15.0	U	N	P
7440-38-2	Arsenic	4.0	-		F
7440-39-3	Barium	123	-		P
7440-41-7	Beryllium	0.75	U		P
7440-43-9	Cadmium	0.43	B		F
7440-70-2	Calcium	42300	-	*	P
7440-47-3	Chromium	16.4	-	*	P
7440-48-4	Cobalt	10.3	B		P
7440-50-8	Copper	27.5	-		P
7439-89-6	Iron	19500	-		A
7439-92-1	Lead	95.6	-	*	P
7439-95-4	Magnesium	15300	-	*	P
7439-96-5	Manganese	468	-		P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	24.6	-		P
7440-09-7	Potassium	1830	-		P
7782-49-2	Selenium	0.76	U	N	F
7440-22-4	Silver	2.5	U	N	F
7440-23-5	Sodium	489	B		P
7440-28-0	Thallium	1.0	U		F
7440-62-2	Vanadium	20.6	-		P
7440-66-6	Zinc	194	-		P
	Cyanide	1.2	U	N	C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

LAB_SAMPLE_ID: AS050123

REDIGESTION_NUMBER: 3560

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

BW#7

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY93-584_

Lab Code: RECNY_ Case No.: 3584_ SAS No.: _ SDG No.: BW1_

Matrix (soil/water): SOIL_ Lab Sample ID: 3183

Level (low/med): LOW_ Date Received: 11/10/93

% Solids: _81.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15600	—	—	P
7440-36-0	Antimony	14.8	U	N	P
7440-38-2	Arsenic	3.6	—	—	F
7440-39-3	Barium	99.1	—	—	P
7440-41-7	Beryllium	0.74	U	—	P
7440-43-9	Cadmium	0.17	B	—	F
7440-70-2	Calcium	33900	—	*	P
7440-47-3	Chromium	19.7	—	*	P
7440-48-4	Cobalt	11.9	B	—	P
7440-50-8	Copper	5.1	B	—	P
7439-89-6	Iron	27900	—	—	A
7439-92-1	Lead	14.0	—	+	F
7439-95-4	Magnesium	13000	—	*	P
7439-96-5	Manganese	579	—	—	P
7439-97-6	Mercury	0.10	U	—	CV
7440-02-0	Nickel	26.6	—	—	P
7440-09-7	Potassium	1830	—	—	P
7782-49-2	Selenium	0.72	U	N	F
7440-22-4	Silver	2.5	U	N	P
7440-23-5	Sodium	348	B	—	P
7440-28-0	Thallium	0.96	U	—	F
7440-62-2	Vanadium	24.8	—	—	P
7440-66-6	Zinc	81.6	—	—	P
	Cyanide	1.2	U	N	C

Color Before: BROWN_ Clarity Before: _ Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _

Comments:

LAB_SAMPLE_ID: AS050124

REDIGESTION_NUMBER: 3561

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

S#1

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1

Matrix (soil/water): WATER

Lab Sample ID: 2999

Level (low/med): LOW

Date Received: 11/10/93

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	298	-		P
7440-36-0	Antimony	3.0	U		F
7440-38-2	Arsenic	3.0	U		F
7440-39-3	Barium	54.6	B		P
7440-41-7	Beryllium	3.0	U		P
7440-43-9	Cadmium	0.20	U		F
7440-70-2	Calcium	116000	-	*	P
7440-47-3	Chromium	10.0	U	*	P
7440-48-4	Cobalt	20.0	U		P
7440-50-8	Copper	12.6	B		P
7439-89-6	Iron	720	-		A
7439-92-1	Lead	2.0	B	W	F
7439-95-4	Magnesium	36400	-	*	P
7439-96-5	Manganese	213	-		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	30.0	U		P
7440-09-7	Potassium	12800	-		P
7782-49-2	Selenium	3.0	U	N	F
7440-22-4	Silver	0.20	U	W	F
7440-23-5	Sodium	90100	-		P
7440-28-0	Thallium	4.0	U		F
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	62.8	-		P
	Cyanide		-		NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

LAB_SAMPLE_ID: AS050125

REDIGESTION_NUMBER: 3401

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

0076

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	S1	95	99	104	0	0
02	VBLK86	97	99	100	0	0

QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)
 SMC2 (BFB) = Bromofluorobenzene (86-115)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: RECRA ENVIRONContract: NY93-584Lab Code: RECNYCase No.: 3935

SAS No.: _____

SDG No.: BW1Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	-----	-----	-----	-----	-----	---
01	BW1	110	91	95	0	0
02	BW2	109	90	94	0	0
03	BW3	102	92	96	0	0
04	BW4	101	98	99	0	0
05	BW5	113	88	90	0	0
06	BW6	114	84	97	0	0
07	BW7	100	85	99	0	0
08	MSBLANK	100	105	91	0	0
09	BW5MS	107	90	96	0	0
10	BW5MSD	111	88	102	0	0
11	VBLK13	99	103	94	0	0
12	VBLK15	99	102	98	0	0

QC LIMITS

SMC1 (TOL) = Toluene-d8 (84-138)

SMC2 (BFB) = Bromofluorobenzene (59-113)

SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

0078

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	BW1	78	82	97	83	86	54	77	84	0
02	BW1RE	80	81	119	80	84	55	74	83	0
03	BW2	60	68	64	61	68	57	57	63	0
04	BW3	75	85	147 *	80	85	59	75	83	1
05	BW3RE	76	92	155 *	79	84	59	76	82	1
06	BW4	74	88	155 *	74	77	52	75	77	1
07	BW4RE	78	85	162 *	75	78	53	70	78	1
08	BW5	75	87	75	81	92	90	75	82	0
09	BW6	84	83	106	84	92	70	77	79	0
10	BW7	81	83	75	77	92	70	78	79	0
11	MSBLANK	87	88	87	86	101	79	87	83	0
12	BW5MS	81	91	88	85	95	78	85	85	0
13	BW5MSD	88	88	84	90	102	75	88	82	0
14	SBLK05	81	84	83	77	92	78	74	78	0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl-d14 (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)
 S7 (2CP) = 2-Chlorophenol-d4 (20-130) (advisory)
 S8 (DCB) = 1,2-Dichlorobenzene-d4 (20-130) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1
 GC Column(1): DB608 ID: 0.53(mm) GC Column(2): DB1701 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
	=====	=====	=====	=====	=====	=====	=====	=====
01	PBLK07	89	99	96	97			0
02	BW1	74	81	74	72			0
03	BW2	64	68	82	74			0
04	BW3	73	76	73	72			0
05	BW4	66	70	70	70			0
06	BW5	72	78	77	79			0
07	BW6	78	86	108	83			0
08	BW7	74	83	79	84			0
09	MSB	88	91	93	89			0
10	BW5MS	68	75	76	70			0
11	BW5MSD	74	85	79	76			0

ADVISORY
 QC LIMITS
 (60-150)
 (60-150)

TCX = Tetrachloro-m-xylene
 DCB = Decachlorobiphenyl

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

3X
SOIL VOLATILE MATRIX SPIKE RECOVERY

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
 Matrix Spike - Sample No.: MSBLANK Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
-----	-----	-----	-----	-----	-----
1,1-Dichloroethene_____	50.0	0	41.7	83	61-145
Trichloroethene_____	50.0	0	43.4	87	71-120
Benzene_____	50.0	0	44.2	88	76-127
Toluene_____	50.0	0	45.1	90	76-125
Chlorobenzene_____	50.0	0.948	46.1	90	75-130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: VBLK13
I50H

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix Spike - EPA Sample No.: BW5 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	59.10	0	49.99	85	59-172
Trichloroethene	59.10	0	50.23	85	62-137
Benzene	59.10	0	57.60	97	66-142
Toluene	59.10	0	58.83	100	59-139
Chlorobenzene	59.10	0	54.51	92	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	59.10	50.96	86	1	22	59-172
Trichloroethene	59.10	47.18	80	6	24	62-137
Benzene	59.10	55.54	94	3	21	66-142
Toluene	59.10	61.26	104	4	21	59-139
Chlorobenzene	59.10	55.88	95	3	21	60-133

* Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

PD: 0 out of 5 outside limitsSpike Recovery: 0 out of 10 outside limitsCOMMENTS: AS050122 JOB3935
150H

3X
SOIL SEMIVOLATILE MATRIX SPIKE RECOVERY

0082

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
 Matrix Spike - Sample No.: MSBLANK Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2500	0	1930	77	12-110
2-Chlorophenol	2500	0	1870	75	27-123
1,4-Dichlorobenzene	1670	0	1340	80	36 97
N-Nitroso-di-n-prop. (1)	1670	0	728	44	41 116
1,2,4-Trichlorobenzene	1670	0	1300	78	39 98
4-Chloro-3-methylphenol	2500	0	2060	82	23 97
Acenaphthene	1670	0	1390	83	46-118
4-Nitrophenol	2500	0	2280	91 *	10- 80
2,4-Dinitrotoluene	1670	0	1390	83	24- 96
Pentachlorophenol	2500	0	1660	66	9-103
Pyrene	1670	0	1410	84	26-127

(1) N-Nitroso-di-n-propylamine

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

Spike Recovery: 1 out of 11 outside limits

COMMENTS: ,,,SBLK05,,,,JOB 3935 SS10071
 AUTOSAMPLR I50Y

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
 Matrix Spike - EPA Sample No.: BW5 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3150	0	2338	74	26- 90
2-Chlorophenol	3150	0	2357	75	25-102
1,4-Dichlorobenzene	2100	0	1601	76	28-104
N-Nitroso-di-n-prop. (1)	2100	0	1039	49	41-126
1,2,4-Trichlorobenzene	2100	0	1574	75	38-107
4-Chloro-3-methylphenol	3150	0	2548	81	26-103
Acenaphthene	2100	0	1662	79	31-137
4-Nitrophenol	3150	0	2824	90	11-114
2,4-Dinitrotoluene	2100	0	1606	76	28- 89
Pentachlorophenol	3150	0	1777	56	17-109
Pyrene	2100	0	1992	95	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
Phenol	3110	2555	82	10	35	26- 90
2-Chlorophenol	3110	2360	76	1	50	25-102
1,4-Dichlorobenzene	2080	1545	74	3	27	28-104
N-Nitroso-di-n-prop. (1)	2080	1073	52	6	38	41-126
1,2,4-Trichlorobenzene	2080	1502	72	4	23	38-107
4-Chloro-3-methylphenol	3110	2782	89	9	33	26-103
Acenaphthene	2080	1644	79	0	19	31-137
4-Nitrophenol	3110	2771	89	1	50	11-114
2,4-Dinitrotoluene	2080	1543	74	3	47	28- 89
Pentachlorophenol	3110	1747	56	0	47	17-109
Pyrene	2080	1970	95	0	36	35-142

(1) N-Nitroso-di-n-propylamine

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

RPD: 0 out of 11 outside limits
 Spike Recovery: 0 out of 22 outside limits

COMMENTS: AS050122 JOB 3935 SS10077
 AUTOSAMPLR I50Y

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1Matrix Spike - EPA Sample No.: BW5

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
=====	=====	=====	=====	=====	=====
gamma-BHC (Lindane) _____	20.600	0	15.9	77	46-127
Heptachlor _____	20.600	0	14.0	68	35-130
Aldrin _____	20.600	0	13.1	64	34-132
Dieldrin _____	41.100	0	31.9	78	31-134
Endrin _____	41.100	0	33.2	81	42-139
4,4'-DDT _____	41.100	1.65	36.0	84	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
=====	=====	=====	=====	=====	=====	=====
gamma-BHC (Lindane) _____	21.100	16.8	80	4	50	46-127
Heptachlor _____	21.100	15.4	73	7	31	35-130
Aldrin _____	21.100	15.4	73	13	43	34-132
Dieldrin _____	42.200	35.2	83	6	38	31-134
Endrin _____	42.200	36.6	87	7	45	42-139
4,4'-DDT _____	42.200	38.8	88	5	50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limitsSpike Recovery: 0 out of 12 outside limits

COMMENTS:

3J
SOIL PESTICIDE MSB RECOVERY

Lab Name: RECRA ENVIRONMENTAL, INC. Contract No.: NY93-584
Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1
Matrix Spike Blank ID: AS050127 Vial #: SS10087

COMPOUND	SPIKE ADDED (UG/KG)	MSB CONCENTRATION (UG/KG)	MSB % REC #	QC LIMITS % REC
gamma-BHC (Lindane)	16.6	15.5	93	46-127
Heptachlor	16.6	14.6	88	35-130
Aldrin	16.6	13.9	84	34-132
Dieldrin	33.3	32.8	98	31-134
Endrin	33.3	34.3	103	42-139
4,4'-DDT	33.3	32.3	97	23-134

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

I.D. A3-3935.3J

5A
SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE NO.

BW#5S

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: NY93-584_

Lab Code: RECNY_

Case No.: 3584_

SAS No.: _

SDG No.: BW1_

Matrix (soil/water): SOIL_

Level (low/med): LOW_

Solids for Sample: _79.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony	75-125	38.6302	15.3433 U	122.900	31.4	N	P
Arsenic	75-125	13.0342	4.4676	10.030	85.4		F
Barium	75-125	602.0646	64.9106	491.580	109.3		P
Beryllium	75-125	12.7155	0.7672 U	12.290	103.5		P
Cadmium	75-125	1.6293 B	0.5460 B	1.250	86.7		F
Calcium							NR
Chromium	75-125	64.3480	12.3941	49.160	105.7		P
Cobalt	75-125	135.0456	7.1006 B	122.900	104.1		P
Copper	75-125	72.9588	3.8187 B	61.450	112.5		P
Iron							NR
Lead	75-125	183.7122	39.0572	122.900	117.7		P
Magnesium							NR
Manganese		769.7105	494.5063	122.900	223.9		P
Mercury	75-125	0.6544	0.1151 U	0.630	103.9		CV
Nickel	75-125	146.1964	17.3379	122.900	104.8		P
Potassium							NR
Selenium	75-125	1.7546	0.7446 B	2.510	40.2	N	F
Silver	75-125	2.9414	2.5572 U	12.290	23.9	N	P
Sodium							NR
Thallium	75-125	13.2849	0.9928 U	12.530	106.0		F
Vanadium	75-125	149.7358	20.2447	122.900	105.4		P
Zinc	75-125	226.3979	96.8758	122.900	105.4		P
Cyanide	75-125	18.8136	1.2658 U	31.210	60.3	N	C

Comments:

NYSDEC ASP

0087

5A
SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE NO.

BW#5S

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: NY93-584_

Lab Code: RECNY_

Case No.: 3584_

SAS No.: _

SDG No.: BW1_

Matrix (soil/water): SOIL_

Level (low/med): LOW_

% Solids for Sample: _79.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead		47.6250	54.6041	5.010	-139.3		F
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Cyanide							NR

Comments:

5B

NYSDEC SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

BW#5A

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony		9890.70		60.00	U	10000.0	98.9		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver		39.83		10.00	U	2000.0	2.0		P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide		281.20		10.00	U	300.0	93.7		C

Comments:

6
DUPLICATES

NYSDEC SAMPLE NO.

BW#5D

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 79.0 % Solids for Duplicate: 79.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		9357.3540		10166.3185		8.3		P
Antimony		15.3433	U	14.7474	U			P
Arsenic	2.5	4.4676		4.5570		2.0		F
Barium	51.1	64.9106		77.7518		18.0		P
Beryllium		0.7672	U	0.7374	U			P
Cadmium		0.5460	B	0.6278	B	13.9		F
Calcium	1278.6	3488.9060		8667.8464		85.2	*	P
Chromium	2.6	12.3941		15.6815		23.4	*	P
Cobalt		7.1006	B	6.5299	B	8.4		P
Copper		3.8187	B	2.4579	U	200.0		P
Iron		14001.5500		15241.5397		8.5		A
Lead		39.0572		27.1272		36.1	*	P
Magnesium	1278.6	2792.0471		5033.7060		57.3	*	P
Manganese		494.5063		577.5593		15.5		P
Mercury		0.1151	U	0.1266	U			CV
Nickel	10.2	17.3379		17.2218		0.7		P
Potassium		653.9744	B	740.8136	B	12.5		P
Selenium		0.7446	B	0.7595	B	2.0		F
Silver		2.5572	U	2.4579	U			P
Sodium		410.6976	B	301.6591	B	30.6		P
Thallium		0.9928	U	1.0127	U			F
Vanadium	12.8	20.2447		20.7283		2.4		P
Zinc		96.8758		86.6002		11.2		P
Cyanide		1.2658	U	1.2658	U			C

NYSDEC ASP

6
DUPLICATES

NYSDEC SAMPLE NO.

BW#5D

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY93-584_

Lab Code: RECNY_ Case No.: 3584_ SAS No.: _ SDG No.: BW1_

Matrix (soil/water): SOIL_ Level (low/med): LOW_

Solids for Sample: _79.0 % Solids for Duplicate: _79.0

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

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum						NR
Antimony						NR
Arsenic						NR
Barium						NR
Beryllium						NR
Cadmium						NR
Calcium						NR
Chromium						NR
Cobalt						NR
Copper						NR
Iron						NR
Lead		54.6041	48.1013	12.7		F
Magnesium						NR
Manganese						NR
Mercury						NR
Nickel						NR
Potassium						NR
Selenium						NR
Silver						NR
Sodium						NR
Thallium						NR
Vanadium						NR
Zinc						NR
Cyanide						NR

0091

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK86

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Lab File ID: K8048 Lab Sample ID: AM003690

Date Analyzed: 11/12/93 Time Analyzed: 1106

GC Column: DB-624 ID: 0.530 (mm) Heated Purge: (Y/N) N

Instrument ID: I50K

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	S1	AS050125	K8053	1508

COMMENTS: VBLK86
I50K

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK86

Lab Name: RECRA ENVIRONContract: NY93-584Lab Code: RECNYCase No.: 3935

SAS No.: _____

SDG No.: BW1Matrix: (soil/water) WATERLab Sample ID: AM003690Sample wt/vol: 5.0 (g/mL) MLLab File ID: K8048Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 11/12/93GC Column: DB-624 ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

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

0093

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK86

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) WATER Lab Sample ID: AM003690Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K8048Level: (low/med) LOW Date Received: _____% Moisture: not dec. _____ Date Analyzed: 11/12/93GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

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

4A
VOLATILE METHOD BLANK SUMMARY

0094
EPA SAMPLE NO.

VBLK13

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Lab File ID: H2923 Lab Sample ID: AM003689

Date Analyzed: 11/12/93 Time Analyzed: 1144

GC Column: DB-624 ID: 0.530 (mm) Heated Purge: (Y/N) Y

Instrument ID: I50H

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	-----	-----	-----	-----
01	BW1	AS050118	H2924	1218
02	BW2	AS050119	H2925	1252
03	BW3	AS050120	H2926	1327
04	BW4	AS050121	H2927	1402
05	BW5	AS050122	H2928	1436
06	BW6	AS050123	H2931	1619
07	MSBLANK	AS050127	H2922	1107
08	BW5MS	AS050122MS	H2929	1510
09	BW5MSD	AS050122SD	H2930	1545

COMMENTS: VBLK13
I50H

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK13

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AM003689

Sample wt/vol: 5.0 (g/mL) G Lab File ID: H2923

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

% Moisture: not dec. _____ Date Analyzed: 11/12/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	0.9	J
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

0096

EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK13

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOIL Lab Sample ID: AM003689Sample wt/vol: 5.0 (g/mL) G Lab File ID: H2923Level: (low/med) LOW Date Received: _____% Moisture: not dec. _____ Date Analyzed: 11/12/93Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

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

4A
VOLATILE METHOD BLANK SUMMARY

0097
EPA SAMPLE NO.

VBLK15

Lab Name: RECRA ENVIRON Contract: NY93-584
Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
Lab File ID: H2946 Lab Sample ID: AM003691
Date Analyzed: 11/15/93 Time Analyzed: 1038
GC Column: DB-624 ID: 0.530(mm) Heated Purge: (Y/N) Y
Instrument ID: I50H

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

	EPA SAMPLE NO. =====	LAB SAMPLE ID =====	LAB FILE ID =====	TIME ANALYZED =====
01	BW7	AS050124	H2947	1111

COMMENTS: VBLK15
I50H

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK15

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AM003691

Sample wt/vol: 5.0 (g/mL) G Lab File ID: H2946

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

% Moisture: not dec. _____ Date Analyzed: 11/15/93

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

0099

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK15

Lab Name: RECRA ENVIRON Contract: NY93-584
Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
Matrix: (soil/water) SOIL Lab Sample ID: AM003691
Sample wt/vol: 5.0 (g/mL) G Lab File ID: H2946
Level: (low/med) LOW Date Received: _____
% Moisture: not dec. _____ Date Analyzed: 11/15/93
GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

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

0100

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK05

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Lab File ID: 15809Y Lab Sample ID: AM003694

Instrument ID: I50Y Date Extracted: 11/13/93

Matrix: (soil/water) SOIL Date Analyzed: 11/20/93

Level: (low/med) LOW Time Analyzed: 1220

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	BW1	AS050118	15828Y	11/22/93
02	BW1RE	AS050118RI	15829Y	11/22/93
03	BW2	AS050119	15812Y	11/20/93
04	BW3	AS050120	15830Y	11/22/93
05	BW3RE	AS050120RI	15831Y	11/22/93
06	BW4	AS050121	15832Y	11/22/93
07	BW4RE	AS050121RI	15833Y	11/22/93
08	BW5	AS050122	15813Y	11/20/93
09	BW6	AS050123	15855Y	11/24/93
10	BW7	AS050124	15811Y	11/20/93
11	MSBLANK	AS050127	15810Y	11/20/93
12	BW5MS	AS050122MS	15814Y	11/20/93
13	BW5MSD	AS050122SD	15815Y	11/20/93

COMMENTS: ,,,SBLK05,,,,JOB 3935 SS10071
AUTOSAMPLR I50Y

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK05

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AM003694

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 15809Y

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy) Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	800	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	800	U
131-11-3-----	Dimethyl Phthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	800	U
83-32-9-----	Acenaphthene	330	U

0102

EPA SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK05

Lab Name: RECRA ENVIRON Contract: NY93-584Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1Matrix: (soil/water) SOILLab Sample ID: AM003694Sample wt/vol: 30.0 (g/mL) GLab File ID: 15809YLevel: (low/med) LOW

Date Received: _____

* Moisture: _____ decanted: (Y/N) NDate Extracted: 11/13/93Concentrated Extract Volume: 500.0 (uL)Date Analyzed: 11/20/93Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.0

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

CAS NO.	COMPOUND		
51-28-5-----	2,4-Dinitrophenol	800	U
100-02-7-----	4-Nitrophenol	800	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	800	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	800	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	70	J
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b) Fluoranthene	330	U
207-08-9-----	Benzo(k) Fluoranthene	330	U
50-32-8-----	Benzo(a) Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	330	U
53-70-3-----	Dibenz(a,h) Anthracene	330	U
191-24-2-----	Benzo(g,h,i) Perylene	330	U

0103

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK05

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AM003694

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 15809Y

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/13/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN	6.75	870	J
2.	UNKNOWN	7.43	180	J
3.	HEXANEDIOIC ACID DERIVATIVE	29.85	7500	J

0104

EPA SAMPLE NO.

4C
PESTICIDE METHOD BLANK SUMMARY

PBLK07

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1

Lab Sample ID: AG001384 Lab File ID: _____

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 11/13/93

Date Analyzed (1): 12/01/93 Date Analyzed (2): 12/01/93

Time Analyzed (1): 0031 Time Analyzed (2): 0031

Instrument ID (1): 5890A9 Instrument ID (2): 5890B9

GC Column (1): DB608 ID: 0.53 (mm) GC Column (2): DB1701 ID: 0.53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	=====	=====	=====	=====
01	BW1	AS050118	12/01/93	12/01/93
02	BW2	AS050119	12/01/93	12/01/93
03	BW3	AS050120	12/01/93	12/01/93
04	BW4	AS050121	12/01/93	12/01/93
05	BW5	AS050122	12/01/93	12/01/93
06	BW6	AS050123	12/01/93	12/01/93
07	BW7	AS050124	12/01/93	12/01/93
08	MSB	AS050127	12/01/93	12/01/93
09	BW5MS	AS050122MS	12/01/93	12/01/93
10	BW5MSD	AS050122SD	12/01/93	12/01/93

COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK07

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: _____ SDG No.: BW1

Matrix: (soil/water) SOIL Lab Sample ID: AG001384

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

% Moisture: _____ decanted: (Y/N) _____ Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/13/93

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

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

319-84-6-----	alpha-BHC	1.7	U
319-85-7-----	beta-BHC	1.7	U
319-86-8-----	delta-BHC	1.7	U
58-89-9-----	gamma-BHC (Lindane)	1.7	U
76-44-8-----	Heptachlor	1.7	U
309-00-2-----	Aldrin	1.7	U
1024-57-3-----	Heptachlor epoxide	1.7	U
959-98-8-----	Endosulfan I	1.7	U
60-57-1-----	Dieldrin	3.3	U
72-55-9-----	4,4'-DDE	3.3	U
72-20-8-----	Endrin	3.3	U
33213-65-9-----	Endosulfan II	3.3	U
72-54-8-----	4,4'-DDD	3.3	U
1031-07-8-----	Endosulfan sulfate	3.3	U
50-29-3-----	4,4'-DDT	3.3	U
72-43-5-----	Methoxychlor	17	U
53494-70-5-----	Endrin ketone	3.3	U
7421-93-4-----	Endrin aldehyde	3.3	U
5103-71-9-----	alpha-Chlordane	1.7	U
5103-74-2-----	gamma-Chlordane	1.7	U
8001-35-2-----	Toxaphene	170	U
12674-11-2-----	Aroclor-1016	33	U
11104-28-2-----	Aroclor-1221	67	U
11141-16-5-----	Aroclor-1232	33	U
53469-21-9-----	Aroclor-1242	33	U
12672-29-6-----	Aroclor-1248	33	U
11097-69-1-----	Aroclor-1254	33	U
11096-82-5-----	Aroclor-1260	33	U

3
BLANKS

ab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1

reparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum	90.0	U	90.0	U	90.0	U	90.0	U	113.967	B	P
Antimony	60.0	U	60.0	U	60.0	U	60.0	U			P
Arsenic	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	F
Barium	40.0	U	40.0	U	40.0	U	40.0	U	40.000	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	F
Calcium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Cobalt	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	10.000	B	P
Iron	70.0	U	70.0	U	70.0	U			100.000		A
Lead	40.0	U	40.0	U	40.0	U	40.0	U			P
Magnesium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Manganese	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Mercury	0.2	U	0.2	U	0.2	U			0.200	U	CV
Nickel	30.0	U	30.0	U	30.0	U	30.0	U	30.000	U	P
Potassium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	F
Silver	10.0	U	10.0	U	10.0	U	10.0	U			P
Sodium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1430.700	B	P
Thallium	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	F
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Zinc	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U			C

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: NY93-584

Lab Code: RECNY Case No.: 3584 SAS No.: SDG No.: BW1

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L) C		Continuing Calibration Blank (ug/L)						Preparation Blank C		M
	1	C	2	C	3	C					
Aluminum	90.0	U	90.0	U	90.0	U			18.000	U	P
Antimony									12.000	U	P
Arsenic			3.0	U					0.600	U	F
Barium	40.0	U	40.0	U	40.0	U	40.0	U	8.000	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	P
Cadmium			0.2	U	0.2	U			0.040	U	F
Calcium			1000.0	U					200.000	U	P
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Cobalt	20.0	U	20.0	U	20.0	U	20.0	U	4.000	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Iron	70.0	U	70.0	U	70.0	U			14.000	U	A
Lead									8.000	U	P
Magnesium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	200.000	U	P
Manganese	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Mercury	0.2	U	0.2	U	0.2	U			0.100	U	CV
Nickel	30.0	U	30.0	U	30.0	U	30.0	U	6.000	U	P
Potassium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	200.000	U	P
Selenium			3.0	U					0.600	U	F
Silver									2.000	U	P
Sodium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	200.000	U	P
Thallium			4.0	U	4.0	U			0.800	U	F
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	4.000	U	P
Zinc	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Cyanide									1.000	U	C

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY93-584_

Lab Code: RECNY_ Case No.: 3584_ SAS No.: _ SDG No.: BW1_

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum_											NR_
Antimony_	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	F_
Arsenic_											NR_
Barium_											NR_
Beryllium_											NR_
Cadmium_											NR_
Calcium_											NR_
Chromium_											NR_
Cobalt_											NR_
Copper_											NR_
Iron_	70.0	U	70.0	U							A_
Lead_	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	F_
Magnesium_											NR_
Manganese_											NR_
Mercury_											NR_
Nickel_											NR_
Potassium_											NR_
Selenium_											NR_
Silver_	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	F_
Sodium_											NR_
Thallium_											NR_
Vanadium_											NR_
Zinc_			10.0	U							P_
Cyanide_											NR_

3
BLANKS

ab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY93-584_

Lab Code: RECNY_ Case No.: 3584_ SAS No.: _ SDG No.: BW1_

reparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum											NR
Antimony			3.0	U							F
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			2.0	U	2.0	U	2.0	U	0.400	U	F
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC.____ Contract: NY93-584____

Lab Code: RECNY____ Case No.: 3584____ SAS No.: _____ SDG No.: BW1____

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			2.0	U							F
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRON Contract: NY93-584

Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1

Lab File ID (Standard): H2921 Date Analyzed: 11/12/93

Instrument ID: I50H Time Analyzed: 1010

GC Column: DB-624 ID: 0.530 (mm) Heated Purge: (Y/N) Y

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	37080	12.45	138095	14.52	131176	19.54
UPPER LIMIT	74160	12.95	276190	15.02	262352	20.04
LOWER LIMIT	18540	11.95	69048	14.02	65588	19.04
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BW1	37362	12.59	125967	14.64	100701	19.57
02 BW2	38477	12.55	127014	14.62	99673	19.54
03 BW3	39330	12.52	133496	14.60	112632	19.57
04 BW4	32463	12.52	115080	14.59	102830	19.55
05 BW5	32408	12.55	93013	14.62	69393	19.57
06 BW6	32991	12.55	110242	14.64	84584	19.62
07 MSBLANK	41475	12.57	141888	14.62	129913	19.52
08 BW5MS	34169	12.50	109739	14.59	86328	19.59
09 BW5MSD	31126	12.54	103504	14.62	77626	19.60
10 VBLK13	40379	12.47	142984	14.55	129556	19.52

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = +0.50 minutes of internal standard RT.
 RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
 Lab File ID (Standard): H2943 Date Analyzed: 11/15/93
 Instrument ID: I50H Time Analyzed: 0840
 GC Column: DB-624 ID: 0.530 (mm) Heated Purge: (Y/N) Y

	IS1 (BCM)	RT #	IS2 (DFB)	RT #	IS3 (CBZ)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	29412	12.69	104160	14.74	99156	19.70
UPPER LIMIT	58824	13.19	208320	15.24	198312	20.20
LOWER LIMIT	14706	12.19	52080	14.24	49578	19.20
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BW7	29156	12.74	109139	14.77	96327	19.74
02 VBLK15	29023	12.75	104993	14.79	96308	19.75

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = +0.50 minutes of internal standard RT.
 RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
 Lab File ID (Standard): K8046 Date Analyzed: 11/12/93
 Instrument ID: I50K Time Analyzed: 0926
 GC Column: DB-624 ID: 0.530(mm) Heated Purge: (Y/N) N

	IS1 (BCM)	RT #	IS2 (DFB)	RT #	IS3 (CBZ)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	33102	12.94	118331	14.90	109643	19.70
UPPER LIMIT	66204	13.44	236662	15.40	219286	20.20
LOWER LIMIT	16551	12.44	59166	14.40	54822	19.20
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 S1	30519	12.99	110938	14.95	106056	19.74
02 VBLK86	32654	12.97	117054	14.94	108486	19.74

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = +0.50 minutes of internal standard RT.
 RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
 Lab File ID (Standard): 15805Y Date Analyzed: 11/20/93
 Instrument ID: I50Y Time Analyzed: 0858

	IS1 (DCB)	RT #	IS2 (NPT)	RT #	IS3 (ANT)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	12340	8.95	48946	12.60	28774	17.95
UPPER LIMIT	24680	9.45	97892	13.10	57548	18.45
LOWER LIMIT	6170	8.45	24473	12.10	14387	17.45
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BW2	8712	8.95	31988	12.57	18386	17.92
02 BW5	10108	8.95	37018	12.57	22502	17.92
03 BW7	9062	8.95	31674	12.57	18446	17.92
04 MSBLANK	9546	8.95	33934	12.57	19896	17.92
05 BW5MS	9462	8.95	35903	12.57	19990	17.92
06 BW5MSD	9552	8.95	37021	12.57	20818	17.92
07 SBLK05	9504	8.95	33988	12.57	20148	17.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

10115

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
 Lab File ID (Standard): 15805Y Date Analyzed: 11/20/93
 Instrument ID: I50Y Time Analyzed: 0858

	IS4 (PHN)	RT #	IS5 (CRY)	RT #	IS6 (PRY)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	44154	22.54	44441	30.77	34140	34.86
UPPER LIMIT	88308	23.04	88882	31.27	68280	35.36
LOWER LIMIT	22077	22.04	22220	30.27	17070	34.36
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BW2	30514	22.49	32218	30.72	23550	34.81
02 BW5	37196	22.49	38407	30.76	28170	34.81
03 BW7	30136	22.49	31814	30.72	24432	34.81
04 MSBLANK	31986	22.50	32200	30.72	26174	34.82
05 BW5MS	33008	22.49	27866	30.72	16960 *	34.79
06 BW5MSD	33386	22.50	26860	30.77	12554 *	34.79
07 SBLK05	32828	22.50	35935	30.72	30456	34.82

IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = +0.50 minutes of internal standard RT.
 RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.
 * Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRONContract: NY93-584Lab Code: RECNY Case No.: 3935SAS No.: _____ SDG No.: BW1Lab File ID (Standard): 15821YDate Analyzed: 11/22/93Instrument ID: I50YTime Analyzed: 1127

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	19078	8.89	66620	12.52	36082	17.87
UPPER LIMIT	38156	9.39	133240	13.02	72164	18.37
LOWER LIMIT	9539	8.39	33310	12.02	18041	17.37
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
NO.						
=====	=====	=====	=====	=====	=====	=====
01 BW1	12974	8.89	49085	12.50	28216	17.85
02 BW1RE	13982	8.90	48452	12.50	27378	17.85
03 BW3	13346	8.90	46852	12.50	24230	17.85
04 BW3RE	13054	8.90	47274	12.52	23546	17.87
05 BW4	14304	8.90	51838	12.52	25850	17.87
06 BW4RE	14742	8.90	51614	12.52	25476	17.87

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
 Lab File ID (Standard): 15821Y Date Analyzed: 11/22/93
 Instrument ID: I50Y Time Analyzed: 1127

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	52650	22.44	47854	30.67	38457	34.76
UPPER LIMIT	105300	22.94	95708	31.17	76914	35.26
LOWER LIMIT	26325	21.94	23927	30.17	19228	34.26
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BW1	38342	22.42	25522	30.64	11424 *	34.74
02 BW1RE	37490	22.42	20358 *	30.66	8460 *	34.74
03 BW3	31754	22.42	13442 *	30.66	5660 *	34.74
04 BW3RE	29676	22.44	11596 *	30.66	4994 *	34.74
05 BW4	31462	22.44	11614 *	30.66	5708 *	34.76
06 BW4RE	33406	22.44	10794 *	30.67	5234 *	34.77

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

10118

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
 Lab File ID (Standard): 15848Y Date Analyzed: 11/24/93
 Instrument ID: I50Y Time Analyzed: 1305

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	7810	8.80	32084	12.44	18038	17.79
UPPER LIMIT	15620	9.30	64168	12.94	36076	18.29
LOWER LIMIT	3905	8.30	16042	11.94	9019	17.29
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BW6	6336	8.80	24314	12.42	15634	17.75

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

00119

Lab Name: RECRA ENVIRON Contract: NY93-584
 Lab Code: RECNY Case No.: 3935 SAS No.: _____ SDG No.: BW1
 Lab File ID (Standard): 15848Y Date Analyzed: 11/24/93
 Instrument ID: I50Y Time Analyzed: 1305

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	27756	22.35	29414	30.59	24606	34.67
UPPER LIMIT	55512	22.85	58828	31.09	49212	35.17
LOWER LIMIT	13878	21.85	14707	30.09	12303	34.17
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BW6	25562	22.34	21090	30.62	12910	34.71

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.