US EPA RECORDS CENTER REGION 5
412406

In Reference to Case No(s): 21882

000004A

No. 7494

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: 4/14/94

Laboratory Name: AATSLA
Lab Contact: Virginia L. Jones

~~Region~~: SMO
Regional Contact: Jane Van Hofen

Call Initiated by: _____ Laboratory ✓ ~~Region~~ SMO

In reference to data for the following sample number(s):

Summary of Questions/Issues Discussed:

10 LS, 1 Rinsate and 1 Trip Blank were shipped 4/13/94 (airbill number 8774366335).

Samples were not received after calling Fed Ex, I was informed that the ice chest did not arrive in ~~Rapidcity~~ Memphis 4/14/94 until 2:36pm 4/14/94. I called Jane and informed her of the problem and stated that we would check the temperature of the samples when they were received.

Summary of Resolution:

The samples were received 4/15/94. The temperature of the samples was 54°F. Jane said to proceed with analysis and note the problem in the narrative.

Virginia L Jones
Signature

4/15/94
Date

Distribution: (1) Lab Copy, (2) Region Copy, (3) SMO Copy

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AATSLA Contract: 63-02-0029

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT OUT
01	EWW46	99	103	95	0	0
02	EWW49	100	101	95	0	0
03	VBLK03	99	100	91	0	0
04	VBLK04	98	101	93	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

FORM II VOA-1

3/90

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY **000010**

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT OUT
01	EWT72	105	87	100	0	0
02	EWT80	121	82	111	0	0
03	EWT80RE	115	81	115	0	0
04	EWT93	111	92	102	0	0
05	EWT94	122	85	102	0	0
06	EWT94RE	114	38 *	109	0	1
07	EWT95	121	83	96	0	0
08	EWT95RE	118	83	96	0	0
09	EWT96	125	75	104	0	0
10	EWT96RE	107	85	110	0	0
11	EWT97	110	82	110	0	0
12	EWT98	121	77	102	0	0
13	EWT98RE	109	89	111	0	0
14	EWW47	99	97	104	0	0
15	EWW50	97	96	106	0	0
16	EWX82	131	74	96	0	0
17	EWX82RE	126	78	99	0	0
18	EWX84	103	76	79	0	0
19	EWX85	110	84	99	0	0
20	EWX86	104	73	80	0	0
21	EWX86RE	116	80	99	0	0
22	EWX87	120	67	43 #	0	1
23	EWX87RE	117	82	95	0	0
24	EWX88	107	88	93	0	0
25	EWX89	101	71	79	0	0
26	EWX89RE	127	67	95	0	0
27	EWX84MS	119	65	78	0	0
28	EWX84MSD	108	72	84	0	0
29	VBLK01	90	86	83	0	0
30	VBLK02	79	94	92	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

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

000011

Lab Name: BATSLA Contract: 68-02-0028

Lab Code: BATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT OUT
01	VBLK05	101	107	98	0	0
02	VBLK06	100	96	96	0	0
03	VBLK07	104	95	86	0	0
04	VBLK08	97	100	96	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

QC EXCEPTION SUMMARY REPORT

CASE\SAS#: 21882
SITE: Ave O & 118th St.
MATRIX: Soil/water
WATER SAMPLE SPK:
DATA SET: SDG MEJX89
LAB: SWOK
CONC: low
WATER SAMPLE DUP:
LAB QC #: SD'
REVIEWED BY: M. Fletcher
SOIL SAMPLE SPK:
DATE: 5/24/94
SOIL SAMPLE DUP:

FORM #		FORM 2	FORM 2	FORM 3	FORM 3	FORM 3	FORM 4	FORM 5	FORM 6	FORM 7	FORM 7	FORM 9	FORM 9	FORM 6	FORM 8	FIELD	FIELD	FIELD	FIELD		
ELEMENT	HOLD TIME	INITIAL CALIB	CONTI N CALIB	CALIB BLANK	PREP WATER BLANK	PREP SOIL BLANK	ICS %R	SOIL SPIKE %R	SOIL DUP RPD	LCS AQ	LCS SOIL	SERIAL DILUTION AQ/EQUIP	SERIAL DILUTION SOIL	AQ DUP RPD	AQ SPIKE %R	BLANK	DUP RPD	BLANK	DUP RPD	GFAA DUP	GFAA ANALYT SPIKE
ALUMINUM																					
ANTIMONY																					
ARSENIC																					
BARIUM																					
BERYLLIUM								32.4													
CADMIUM								178.6													
CALCIUM																					
CHROMIUM								12.7													
COBALT																					
COPPER																					
IRON																					
LEAD																					
MAGNESIUM																					
MANGANESE													11								
MERCURY									37.4												
NICKEL																					
POTASSIUM																					
SELENIUM																					
SILVER																					
SODIUM																					
THALLIUM																					
TIN																					
VANADIUM																					
ZINC								15.7													
CYANIDE									45.6												

Forms org airhill ITR · ILM021
ICP copy · 21840 MCQM58
106-138

Hg 472-477
21840 MCQM58

CN 497-511
21840 MCQM58

MeJX90 = rinsate
89

Every Body ICP furnace

form 11 7/7/93 7/7/94 form 4/28/94 4/15 no ID
7/28 7
8/21

Soil SDG MeJX89

ICP

DUP
Al >IDL (28.6) ok 35
As (1.2) all >IDL
Tl (200) · in CRDL

MeJ95 >IDL MeJX92 >IDL
96 94 99
99 96
97
98

Spike <IDL
Be - MeJX94 all >IDL (32.4)
Cd all >IDL (178.6)
spike not flagged
Cu (239.2) Mn (-1147)
Pb (617.1) Zn (511.1)

ICP serial dilution
all >IDL
Cr (12.7)
Zn (15.7)

Mn ICP serial dilution
(11) all >IDL
(318) dup in 35

qualifier

CN (45.6) out dup
MeJX99 rest > IDL
Hg (37.9) dup
out

BLANKS 89
Water 90

Pb →

Fe & Al

Al Zn 89
Pb 5.7
Mn 2.7

Pb 3.4 90

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorga[illegible] Traffic Report & Chain o[illegible]ustody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 21882

1. Sample Description (Enter in Column A)
   1. Surface Water
   2. Ground Water
   3. Leachate
   4. Rinsate
   5. Soil/Sediment
   6. Oil (High only)
   7. Waste (High only)
   8. Other (Specify)

2. Preservative (Enter in Column D)
   1. HCl
   2. HNO3
   3. NaOH
   4. H_2SO_4
   5. $K_2CR_2O_7$
   6. Ice only
   7. Other (Specify)
   N. Not preserved

3. Region No.: I

Sampling Co.: E[illegible] US

Sampler (Name): [illegible]

Sampler Signature: [illegible]

4. Type of Activity

Lead		Pre-Remedial		Remedial		Removal	
SF				RIFS		CLEM	
PRP		PA		RD		REMA	
ST		SSI		RA		REM	
FED		LSI		O&M		OIL	
				NPLD		UST	

5. Date Shipped: 4/12/94 Carrier: FEDERAL EXPRESS

Airbill Number: 8774[illegible]0420

6. Ship To: [illegible] OK 74012

ATTN: [illegible]

7. Date Received -- Received by: 4-13-94 [illegible]

Laboratory Contract Number: 68-D2-0040

Unit Price: $113.00

8. Transfer to:

Date Received:

Received by:

Contract Number:

Price:

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc. Low Med High	C Sample Type. Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/Nitrite	Fluoride	High only: pH	Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	L High Conc. Phases (Check below): Solids	Water - Mis Liq.	Non Water - Mis Liq.
MEJX94	5	L	G	6	X		X					5-023179	AV-SS11-001	4/11/94/1040		EWX54	intact			
MEJX95	5	L	G	6	X		X					5-023203	AV-SS12-001	4/11/94/1100		EWX55	↓			
MEJX96	5	L	G	6	X		X					[illegible]	AV-SS13-001	4/11/94/1325		EWX86	↓			
MEJX97	5	L	G	6	X		X					5-023211	AV-SS14-001	4/11/94/1354		EWX87	↓			
MEJX98	5	L	G	6	X		X					5-023215	AV-SS15-001	4/11/94/1450		EWX89	↓			
MEJX99	4	L	G	DIAL 4/12/2	X							5-021023	AV-[illegible]-201	4/11/94/1450		EWX47	↓			
MEJX[illegible]	4	L	G	3			X					5-021024	AV-[illegible]	4/11/94/1450		[illegible]	✓			

Shipment for Case complete? (Y/N): Y

Page 1 of ___

Sample used for a spike and/or duplicate: MEJX94

Additional Sampler Signatures:

Chain of Custody Seal Number: [illegible]

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	4/12/94 [illegible]				
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: Is custody seal intact? Y/N/none	
		[illegible]	4/13/94 1000		

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
Green - Region Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

I 345300

541

2-Dwg-2

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.:

1. Sample Description (Enter in Column A)
   1. Surface Water
   2. Ground Water
   3. Leachate
   4. Rinsate
   5. Soil/Sediment
   6. Oil (High only)
   7. Waste (High only)
   8. Other (Specify)

2. Preservative (Enter in Column D)
   1. HCl
   2. HNO3
   3. NaOH
   4. H_2SO_4
   5. $K_2CR_2O_7$
   6. Ice only
   7. Other (Specify)
   N. Not preserved

3. Region No.: V

Sampling Co.:

Sampler (Name):

Sampler Signature:

4. Type of Activity: SF, PRP, ST, FED; Lead: PA, SSI, LSI; Pre-Remedial: RIFS, RD, RA, O&M, NPLD; Remedial: CLEM, REMA, REM, OIL, UST; Removal:

5. Date Shipped:

Carrier:

Airbill Number:

6. Ship To:

ATTN:

7. Date Received -- Received by: 4-14-94

Laboratory Contract Number: 68-D2-0040

Unit Price: $113.00

8. Transfer to:

Date Received:

Received by:

Contract Number:

Price:

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc Low Med High	C Sample Type Comp / Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/Nitrite	Fluoride	High only: pH	Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	L High Conc. Phases (Check below): Solids	Water - MIS Liq.	Non Water - Mis Liq.
[illegible]	4	L	G	2	X							[illegible]	[illegible]	[illegible]		[illegible]	intact			
[illegible]	4	L	G	2			X					[illegible]	[illegible]	[illegible]		[illegible]	↓			

Shipment for Case complete? (Y/N): Y

Page 1 of 2

Sample used for a spike and/or duplicate:

Additional Sampler Signatures:

Chain of Custody Seal Number: [illegible],4

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	[illegible]				
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: 4/14/94 1000	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

543

Inorg-2

I 319417

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorg[illegible] Traffic Report & Chain [illegible] Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: [illegible]

1. Sample Description (Enter in Column A)
   1. Surface Water
   2. Ground Water
   3. Leachate
   4. Rinsate
   5. Soil/Sediment
   6. Oil (High only)
   7. Waste (High only)
   8. Other (Specify)

2. Preservative (Enter in Column D)
   1. HCl
   2. HNO3
   3. NaOH
   4. H_2SO_4
   5. $K_2CR_2O_7$
   6. Ice only
   7. Other (Specify)
   N. Not preserved

3. Region No.: V.

Sampling Co.: [illegible]

5. Date Shipped: 4/ / 94

Carrier: [illegible]

7. Date Received -- Received by: [illegible] 4-14-94

Sampler (Name): [illegible]

Airbill Number: [illegible]

Laboratory Contract Number: 68-D2-0040

Unit Price: $113.00

Sampler Signature: [illegible]

6. Ship To: SOUTHWEST LABS OF OKLA. 1700 W. ALBANY [illegible], OK 74012 ATTN: [illegible]

8. Transfer to:

Date Received:

Received by:

Contract Number:

Price:

4. Type of Activity

Lead		Pre-Remedial		Remedial		Removal	
SF				RIFS		CLEM	
PRP		PA		RD		REMA	
ST		SSI		RA		REM	
FED		LSI		O&M		OIL	
				NPLD		UST	

CLP Sample Numbers (from labels)	A Enter # from Box 1	B Conc. Low Med High	C Sample Type Comp / Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/Nitrite	Fluoride	High only: pH	Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Sample Condition on Receipt	L High Conc. Phases (Check below): Solids	Water - MIS Liq.	Non Water - Mis Liq.
[illegible]		L	G	6	X		X					[illegible]	[illegible]	4/12/94/[illegible]		[illegible]	intact			
[illegible]	[illegible]	L	G	6	X		X					[illegible]	[illegible]	4/[illegible]/94/[illegible]		[illegible]				
[illegible]	[illegible]	L	G	[illegible]	X		X					[illegible]	[illegible]	[illegible]		[illegible]				
[illegible]	[illegible]	L	G	6	X		X					[illegible]	[illegible]	[illegible]		[illegible]				
[illegible]	[illegible]	L	G	6	X		X					[illegible]	[illegible]	[illegible]		[illegible]				
[illegible]	[illegible]	L	G	6	X		X					[illegible]	[illegible]	[illegible]		[illegible]				
[illegible]	[illegible]	L	G	6	X		X					[illegible]	[illegible]	[illegible]		[illegible]				
MFJ99	[illegible]	L	G	6	X		X					[illegible]	[illegible]	4/12/94/[illegible]		[illegible]				
MAN 4[illegible] [illegible]X72	[illegible]	L	G	6	X		X					[illegible]	[illegible]	4/12/94/[illegible]		[illegible]X82				
[illegible]X98	[illegible]	L	G	6	X		X					[illegible]	[illegible]	4/12/94/[illegible]		[illegible]	* [illegible]			

Shipment for Case complete? (Y/N): Y

Page 1 of 2

Sample used for a spike and/or duplicate:

Additional Sampler Signatures:

Chain of Custody Seal Number: [illegible] recd in SDG. AB 9/14/94

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	[illegible]				
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: Is custody seal intact? Y/N/none	
		[illegible]	4/14/94/1000		

Split Samples: ☐ Accepted (Signature) ☐ Declined

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SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

Inorg-2

542

I 349156

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

001

Lab Name: SOUTHWEST LAB OF OK Contract: 68-02-4040

SMO Code: SWOK Case No.: 21882 SAS No.: SDG No.: MEJ499

SDG No.: ILM02

EPA Sample No.	Lab Sample ID
MEJJ92	1822101
MEJJ93	1822102
MEJJ94	1822103
MEJJ95	1822104
MEJJ96	1822105
MEJJ97	1822106
MEJJ98	1822107
MEJJ99	1822108
MEJX88	1820901
MEJX90	1822109
MEJX93	1822110
MEJX94	1820902
MEJX95	1820903
MEJX96	1820904
MEJX97	1820905
MEJX98	1822111
MEJX99	1820906

US EPA
CHICAGO, ILLINOIS 60605

Are 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:
THE "E" FLAGS FOR CR, MN, & ZN ARE DUE TO THE SPECIAL SOLUTION PERCENT DIFFERENCES BEING GREATER THAN 10%. THIS INDICATES A POSSIBLE CHEMICAL OR PHYSICAL INTERFERENCE.

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 the Manager's designee, as verified by the following signature.

Signature: Name: Jason D. Ruckman

Date: May 18, 1994 Title: Inorganic Program Manager

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

010

MEJ039

Lab Name: SOUTHWEST LAB OF OK Contract: 68-02-0040

Lab Code: SWOK Case No.: 21382 SAS No.: SDG No.: MEJ039

Matrix (soil/water): WATER Lab Sample ID: 1320901

Level (low/med): LOW Date Received: 04/13/94

% 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	73.0	U		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	19.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	380	U		P
7440-47-3	Chromium	6.0	U		P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	6.0	U		P
7439-89-6	Iron	12.0	U		P
7439-92-1	Lead	5.7			P
7439-95-4	Magnesium	460	U		P
7439-96-5	Manganese	2.7	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.0	U		P
7440-09-7	Potassium	690	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	684	U		P
7440-28-0	Thallium	7.0	U		P
7440-62-2	Vanadium	8.0	U		P
7440-66-6	Zinc	7.1	B		P
	Cyanide	10.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO. 011

MEX090

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21382 SAS No.: SDG No.: MEX090

Matrix (soil/water): WATER Lab Sample ID: 1325109

Level (low/med): LOW Date Received: 04/14/94

% 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	23.0	U		P
7440-36-0	Antimony	53.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	12.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	388	U		P
7440-47-3	Chromium	6.0	U		P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	6.0	U		P
7439-89-6	Iron	12.0	U		P
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium	460	U		P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.0	U		P
7440-09-7	Potassium	500	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	684	U		P
7440-28-0	Thallium	7.0	U		P
7440-62-2	Vanadium	8.0	U		P
7440-66-6	Zinc	4.0	U		P
	Cyanide	10.0	U		CN

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 008

MEJ093

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21332 SAS No.: SDG No.: MEJX82

Matrix (soil/water): SOIL Lab Sample ID: L32210/

Level (low/med): LOW Date Received: 04/14/94

% Solids: 84.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	8480		*	P	
7440-36-0	Antimony	12.6	U		P	
7440-38-2	Arsenic	7.8		*	P	
7440-39-3	Barium	125			P	
7440-41-7	Beryllium	0.98	B	N	P	J
7440-43-9	Cadmium	1.3		N	P	J
7440-70-2	Calcium	34600			P	
7440-47-3	Chromium	44.1		F	P	J unk
7440-48-4	Cobalt	5.3	B		P	
7440-50-8	Copper	30.9			P	
7439-89-6	Iron	20400			P	
7439-92-1	Lead	110			P	
7439-95-4	Magnesium	5800			P	
7439-96-5	Manganese	1270		E*	P	J unk
7439-97-6	Mercury	0.41		*	CV	J unk
7440-02-0	Nickel	14.7			P	
7440-09-7	Potassium	1230			P	
7782-49-2	Selenium	1.2	U		P	
7440-22-4	Silver	1.4	U		P	
7440-23-5	Sodium	448	B		P	
7440-28-0	Thallium	1.2	U	*	P	
7440-62-2	Vanadium	25.6			P	
7440-66-6	Zinc	187		L	P	J unk
	Cyanide	11.7		*	CA	J unk

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO. 009

MEJJ99

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21837 SAS No.: SDG No.: MEJJ99

Matrix (soil/water): SOIL Lab Sample ID: 1322100

Level (low/med): LOW Date Received: 04/14/94

% Solids: 83.7

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	10100		*	P	
7440-36-0	Antimony	12.7	U		P	
7440-38-2	Arsenic	16.1		*	P	
7440-39-3	Barium	187			P	
7440-41-7	Beryllium	1.5		H	P	J
7440-43-9	Cadmium	2.5		H	P	J
7440-70-2	Calcium	39000			P	
7440-47-3	Chromium	162		F	P	J
7440-48-4	Cobalt	7.8	B		P	
7440-50-8	Copper	132			P	
7439-89-6	Iron	21600			P	
7439-92-1	Lead	287			P	
7439-95-4	Magnesium	62300			P	
7439-96-5	Manganese	3570		E*	P	J
7439-97-6	Mercury	0.12	U	*	CV	J
7440-02-0	Nickel	21.8			P	
7440-09-7	Potassium	1130	B		P	
7782-49-2	Selenium	1.2	U		P	
7440-22-4	Silver	2.5			P	
7440-23-5	Sodium	532	B		P	
7440-28-0	Thallium	2.5	B	*	P	
7440-62-2	Vanadium	34.9			P	
7440-66-6	Zinc	356		E	P	J
	Cyanide	2.6		*	CN	J

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 007

MB-1197

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21880 SAS No.: SDG No.: MB1197

Matrix (soil/water): SOIL Lab Sample ID: 132196

Level (low/med): LOW Date Received: 04/14/94

% Solids: 86.7

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	7120		K	P	
7440-36-0	Antimony	12.3	U		P	
7440-38-2	Arsenic	5.7		K	P	
7440-39-3	Barium	57.2			P	
7440-41-7	Beryllium	2.3		N	P	J
7440-43-9	Cadmium	2.2		N	P	J
7440-70-2	Calcium	238000			P	
7440-47-3	Chromium	685		E	P	J unk
7440-48-4	Cobalt	3.3	B		P	
7440-50-8	Copper	23.4			P	
7439-89-6	Iron	160000			P	
7439-92-1	Lead	84.2			P	
7439-95-4	Magnesium	22700			P	
7439-96-5	Manganese	26000		E*	P	J unk
7439-97-6	Mercury	0.12	U	K	CV	J unk
7440-02-0	Nickel	23.0			P	
7440-09-7	Potassium	2380	B		P	
7782-49-2	Selenium	1.2	U		P	
7440-22-4	Silver	4.4			P	
7440-23-5	Sodium	530	B		P	
7440-28-0	Thallium	1.0	U	*	P	
7440-62-2	Vanadium	60			P	
7440-66-6	Zinc	152		E	P	J unk
	Cyanide	3.5		*	CA	J unk

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 006

MEJA96

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2 0040

Lab Code: SWOK Case No.: 16832 SAS No.: SDG No.: MEJX89

Matrix (soil/water): SOIL Lab Sample ID: 182?105

Level (low/med): LOW Date Received: 04/14/94

% Solids: 80.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6090		*	P
7440-36-0	Antimony	13.2	U		P
7440-38-2	Arsenic	11.3		*	P
7440-39-3	Barium	53.1			P
7440-41-7	Beryllium	0.40	B	N	P
7440-43-9	Cadmium	1.1	B	N	P
7440-70-2	Calcium	26500			P
7440-47-3	Chromium	34.0		E	P
7440-48-4	Cobalt	6.7	B		P
7440-50-8	Copper	30.9			P
7439-89-6	Iron	22400			P
7439-92-1	Lead	49.5			P
7439-95-4	Magnesium	12800			P
7439-96-5	Manganese	751		E*	P
7439-97-6	Mercury	0.12	U	*	CV
7440-02-0	Nickel	32.1			P
7440-09-7	Potassium	919	B		P
7782-49-2	Selenium	1.2	U		P
7440-22-4	Silver	1.5	U		P
7440-23-5	Sodium	572	B		P
7440-28-0	Thallium	2.3	B	*	P
7440-62-2	Vanadium	19.3			P
7440-66-6	Zinc	127		E	P
	Cyanide	1.2		*	CN

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

005

ML0699

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D7-0040

Lab Code: SWOK Case No.: 21889 SAS No.: _____ SDG No.: ML0699

Matrix (soil/water): SOIL Lab Sample ID: 132104

Level (low/med): LOW Date Received: 04/14/04

% Solids: 79.9

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	12300		N	P	
7440-36-0	Antimony	13.3	U		P	
7440-38-2	Arsenic	10.0		*	P	
7440-39-3	Barium	51.8			P	
7440-41-7	Beryllium	0.78	B	H	P	J ↑
7440-43-9	Cadmium	1.4		H	P	J ↑
7440-70-2	Calcium	64400			P	
7440-47-3	Chromium	66.3		E	P	J write
7440-48-4	Cobalt	12.7			P	
7440-50-8	Copper	35.3			P	
7439-89-6	Iron	27300			P	
7439-92-1	Lead	27.2			P	
7439-95-4	Magnesium	27500			P	
7439-96-5	Manganese	1680		E*	P	J write
7439-97-6	Mercury	0.13	U	*	CV	J write
7440-02-0	Nickel	35.4			P	
7440-09-7	Potassium	3410			P	
7782-49-2	Selenium	1.3	U		P	
7440-22-4	Silver	1.5	U		P	
7440-23-5	Sodium	299	B		P	
7440-28-0	Thallium	3.7		*	P	
7440-62-2	Vanadium	53.6			P	
7440-66-6	Zinc	81.7		E	P	J write
	Cyanide	0.76		*	CA	J write

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 004

MEJJ94

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D1-0040

Lab Code: SWOK Case No.: 21832 SAS No.: SDG No.: MEJJ92

Matrix (soil/water): SOIL Lab Sample ID: 1322103

Level (low/med): LOW Date Received: 04/14/94

% Solids: 84.4

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	12100		*	P	
7440-36-0	Antimony	12.6	U		P	
7440-38-2	Arsenic	7.4			P	
7440-39-3	Barium	216			P	
7440-41-7	Beryllium	1.6		H	P	J
7440-43-9	Cadmium	1.1	B	H	P	J
7440-70-2	Calcium	21500			P	
7440-47-3	Chromium	36.1		E	P	J unk
7440-48-4	Cobalt	7.4	B		P	
7440-50-8	Copper	14.7			P	
7439-89-6	Iron	13900			P	
7439-92-1	Lead	11.1			P	
7439-95-4	Magnesium	19000			P	
7439-96-5	Manganese	1390		F*	P	J unk
7439-97-6	Mercury	0.17		*	CV	J unk
7440-02-0	Nickel	11.4			P	
7440-09-7	Potassium	1070	B		P	
7782-49-2	Selenium	1.2			P	
7440-22-4	Silver	1.4	U		P	
7440-23-5	Sodium	483	B		P	
7440-28-0	Thallium	1.2	U	*	P	
7440-62-2	Vanadium	20.2			P	
7440-66-6	Zinc	208		E	P	J unk
	Cyanide	9.7		*	CN	J unk

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MB0793

Lab Name: [illegible] Contract: [illegible]

Lab Code: [illegible] Case No.: [illegible] SAS No.: [illegible] SDG No.: MB0793

Matrix (soil/water): SOIL Lab Sample ID: [illegible]

Level (low/med): LOW Date Received: [illegible]

% Solids: 31.7

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

CAS No.	Analyte	Concentration	C	Q	M	
[illegible]	Aluminum	10800		*	P	
[illegible]	Antimony	13.0	U		P	
[illegible]	Arsenic	[illegible]		*	P	
[illegible]	Barium	103			P	
[illegible]	Beryllium	0.30	B		P	J
[illegible]	Cadmium	[illegible]		N	P	J
[illegible]	Calcium	[illegible]			P	
[illegible]	Chromium	131		E	P	J
[illegible]	Cobalt	9.4	B		P	
[illegible]	Copper	45.4			P	
[illegible]	Iron	28400			P	
[illegible]	Lead	164			P	
[illegible]	Magnesium	[illegible]			P	
[illegible]	Manganese	2820		*	P	J
[illegible]	Mercury	0.12	U	*	CV	J
[illegible]	Nickel	30.2			P	
[illegible]	Potassium	910			P	
[illegible]	Selenium	[illegible]	U		P	
[illegible]	Silver	[illegible]	U		P	
[illegible]	Sodium	424	B		P	
[illegible]	Thallium	[illegible]	U		P	
[illegible]	Vanadium	47.8			P	
[illegible]	Zinc	279		E	P	J
	Cyanide	[illegible]		*	CA	J

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

002

EPA SAMPLE NO.

MEJJ92

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21832 SAS No.: SDG No.: MEJJ92

Matrix (soil/water): SOIL Lab Sample ID: 18221OL

Level (low/med): LOW Date Received: 04/14/94

% Solids: 39.7

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	7930		*	P	
7440-36-0	Antimony	11.8	U		P	
7440-38-2	Arsenic	2.6		*	P	
7440-39-3	Barium	241			P	
7440-41-7	Beryllium	1.1	B	N	P	J
7440-43-9	Cadmium	3.8		N	P	J
7440-70-2	Calcium	29700			P	
7440-47-3	Chromium	503		E	P	J unk
7440-48-4	Cobalt	5.4	B		P	
7440-50-8	Copper	88.2			P	
7439-89-6	Iron	68100			P	
7439-92-1	Lead	326			P	
7439-95-4	Magnesium	13100			P	
7439-96-5	Manganese	9940		E*	P	J unk
7439-97-6	Mercury	0.35		*	CV	J unk
7440-02-0	Nickel	38.3			P	
7440-09-7	Potassium	1120			P	
7782-49-2	Selenium	1.2			P	
7440-22-4	Silver	2.2			P	
7440-23-5	Sodium	489	B		P	
7440-28-0	Thallium	1.6	U		P	
7440-62-2	Vanadium	107			P	
7440-66-6	Zinc	508		E	P	J unk
	Cyanide	8.4		*	CA	J unk

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 012

MEJX92

Lab Name: SOUTHWEST LABORATORY Contract: 68-D2-0040

Lab Code: SWRL Case No.: 21032 SAS No.: SDG No.: MEJ039

Matrix (soil/water): SOIL Lab Sample ID: 1822110

Level (low/med): LOW Date Received: 04/14/94

% Solids: 86.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	7950			P	
7440-36-0	Antimony	12.0	U		P	
7440-38-2	Arsenic	8.0			P	
7440-39-3	Barium	99.1			P	
7440-41-7	Beryllium	1.2			P	J
7440-43-9	Cadmium	2.4		N	P	J
7440-70-2	Calcium	60300			P	
7440-47-3	Chromium	369			P	J
7440-48-4	Cobalt	7.2	B		P	
7440-50-8	Copper	83.2			P	
7439-89-6	Iron	47900			P	
7439-92-1	Lead	162			P	
7439-95-4	Magnesium	21700			P	
7439-96-5	Manganese	5360		W*	P	J
7439-97-6	Mercury	0.25		*	CV	J
7440-02-0	Nickel	130			P	
7440-09-7	Potassium	790	B		P	
7782-49-2	Selenium	1.0	U		P	
7440-22-4	Silver	1.2	B		P	
7440-23-5	Sodium	403	B		P	
7440-28-0	Thallium	1.8	B	W	P	
7440-62-2	Vanadium	38.9			P	
7440-66-6	Zinc	370		E	P	J
	Cyanide	6.4		*	CA	J

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 013

MEJ/94

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D1-0040

Lab Code: SWOK Case No.: 11882 SAS No.: SDG No.: MEJX89

Matrix (soil/water): SOIL Lab Sample ID: 1820902

Level (low/med): LOW Date Received: 04/13/94

% Solids: 91.4

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	17400		*	P	
7440-36-0	Antimony	11.6	U		P	
7440-38-2	Arsenic	7.0		*	P	
7440-39-3	Barium	633			P	
7440-41-7	Beryllium	0.22	U	N	P	J
7440-43-9	Cadmium	4.1		N	P	J
7440-70-2	Calcium	77100			P	
7440-47-3	Chromium	508		F	P	J unk
7440-48-4	Cobalt	13.6			P	
7440-50-8	Copper	294			P	
7439-89-6	Iron	124000			P	
7439-92-1	Lead	642			P	
7439-95-4	Magnesium	26300			P	
7439-96-5	Manganese	9590		E*	P	J unk
7439-97-6	Mercury	1.1		*	CV	J unk
7440-02-0	Nickel	98.0			P	
7440-09-7	Potassium	760	B		P	
7782-49-2	Selenium	1.1	U		P	
7440-22-4	Silver	16.6			P	
7440-23-5	Sodium	545	B		P	
7440-28-0	Thallium	2.9		*	P	
7440-62-2	Vanadium	50.7			P	
7440-66-6	Zinc	1080		*	P	J unk
	Cyanide	3.2		*	CA	J unk

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEJ293

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21092 SAS No.: SDG No.: MEJ292

Matrix (soil/water): SOIL Lab Sample ID: 1822111

Level (low/med): LOW Date Received: 04/14/93

% Solids: 84.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16800		*	P	
7440-36-0	Antimony	12.6	U		P	
7440-38-2	Arsenic	7.2		*	P	
7440-39-3	Barium	182			P	
7440-41-7	Beryllium	1.7		U	P	4
7440-43-9	Cadmium	1.6		U	P	4
7440-70-2	Calcium	114000			P	
7440-47-3	Chromium	557		F	P	5 unk
7440-48-4	Cobalt	10.4	B		P	
7440-50-8	Copper	77.4			P	
7439-89-6	Iron	65400			P	
7439-92-1	Lead	250			P	
7439-95-4	Magnesium	29400			P	
7439-96-5	Manganese	6320		J*	P	4 unk
7439-97-6	Mercury	0.37		*	CV	5 unk
7440-02-0	Nickel	55.2			P	
7440-09-7	Potassium	29.0			P	
7782-49-2	Selenium	1.2	U		P	
7440-22-4	Silver	3.8			P	
7440-23-5	Sodium	1390			P	
7440-28-0	Thallium	4.3		*	P	
7440-62-2	Vanadium	70.8			P	
7440-66-6	Zinc	192		E	P	5 unk
	Cyanide	1.6		*	CA	5 unk

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 016

MEJX97

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21832 SAS No.: SDG No.: MEJX09

Matrix (soil/water): SOIL Lab Sample ID: 1820905

Level (low/med): LOW Date Received: 04/13/94

% Solids: 38.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11100		K	P	
7440-36-0	Antimony	12.0	U		P	
7440-38-2	Arsenic	18.3		E	P	
7440-39-3	Barium	178			P	
7440-41-7	Beryllium	1.9		H	P	J
7440-43-9	Cadmium	9.5		N	P	J
7440-70-2	Calcium	65500			P	
7440-47-3	Chromium	436		E	P	J unk
7440-48-4	Cobalt	11.7			P	
7440-50-8	Copper	204			P	
7439-89-6	Iron	157000			P	
7439-92-1	Lead	406			P	
7439-95-4	Magnesium	13400			P	
7439-96-5	Manganese	4150		K*	P	J unk
7439-97-6	Mercury	0.32		*	CV	J unk
7440-02-0	Nickel	170			P	
7440-09-7	Potassium	1310			P	
7782-49-2	Selenium	1.1	U		P	
7440-22-4	Silver	4.2			P	
7440-23-5	Sodium	432	B		P	
7440-28-0	Thallium	5.2		*	P	
7440-62-2	Vanadium	35.3			P	
7440-66-6	Zinc	1330		I	P	J unk
	Cyanide	2.3		*	CA	J unk

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO. 015

MEJY96

Lab Name: SOUTHWEST LAB OF OK Contract: 68-02-0040

Lab Code: SWOK Case No.: 21882 SAS No.: SDG No.: MEJY09

Matrix (soil/water): SOIL Lab Sample ID: 1820904

Level (low/med): LOW Date Received: 04/13/94

% Solids: 90.9

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	9280		*	P	
7440-36-0	Antimony	11.7	U		P	
7440-38-2	Arsenic	11.9		*	P	
7440-39-3	Barium	120			P	
7440-41-7	Beryllium	1.3		M	P	J
7440-43-9	Cadmium	2.6		M	P	J
7440-70-2	Calcium	6100			P	
7440-47-3	Chromium	274		E	P	J unk
7440-48-4	Cobalt	9.4	B		P	
7440-50-8	Copper	149			P	
7439-89-6	Iron	11000			P	
7439-92-1	Lead	203			P	
7439-95-4	Magnesium	15900			P	
7439-96-5	Manganese	2460		E*	P	J unk
7439-97-6	Mercury	0.32		*	CV	J unk
7440-02-0	Nickel	166			P	
7440-09-7	Potassium	972	B		P	
7782-49-2	Selenium	1.1	U		P	
7440-22-4	Silver	3.2			P	
7440-23-5	Sodium	335	B		P	
7440-28-0	Thallium	4.2		*	P	
7440-62-2	Vanadium	17.0			P	
7440-66-6	Zinc	412		E	P	J unk
	Cyanide	4.6		*	CA	J unk

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO. 014

MEJX95

Lab Name: SOUTHWEST LAB OF OK Contract: 68-02-0040

Lab Code: SWOK Case No.: 21882 SAS No.: SDG No.: MEJX95

Matrix (soil/water): SOIL Lab Sample ID: L320903

Level (low/med): LOW Date Received: 04/13/94

% Solids: 89.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	10100		*	P	
7440-36-0	Antimony	11.9	U		P	
7440-38-2	Arsenic	5.2		*	P	
7440-39-3	Barium	321			P	
7440-41-7	Beryllium	1.7		N	P	
7440-43-9	Cadmium	1.7		N	P	
7440-70-2	Calcium	15700			P	
7440-47-3	Chromium	1240		E	P	
7440-48-4	Cobalt	5.2	B		P	
7440-50-8	Copper	74.7			P	
7439-89-6	Iron	69400			P	
7439-92-1	Lead	155			P	
7439-95-4	Magnesium	26700			P	
7439-96-5	Manganese	31100		E*	P	
7439-97-6	Mercury	0.40		*	CV	
7440-02-0	Nickel	89.6			P	
7440-09-7	Potassium	958	B		P	
7782-49-2	Selenium	3.7			P	
7440-22-4	Silver	3.0			P	
7440-23-5	Sodium	380	B		P	
7440-28-0	Thallium	1.6	U	*	P	
7440-62-2	Vanadium	276			P	
7440-66-6	Zinc	195		E	P	
	Cyanide	5.3		*	CA	

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO. 018

MEJX99

Lab Name: SOUTHWEST LAB OF OK Contract: 68-02-0040

Lab Code: SWOK Case No.: 21800 SAS No.: SDG No.: MEJX99

Matrix (soil/water): SOIL Lab Sample ID: 1820906

Level (low/med): LOW Date Received: 04/13/94

% Solids: 63.3

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

CAS No.	Analyte	Concentration	C	Q	M		
7429-90-5	Aluminum	6730		*	P		
7440-36-0	Antimony	16.7	U		P		
7440-38-2	Arsenic	15.1		*	P		
7440-39-3	Barium	77.0			P		
7440-41-7	Beryllium	0.56	B	N	P	J	J
7440-43-9	Cadmium	2.3		N	P	J	J
7440-70-2	Calcium	7020			P		
7440-47-3	Chromium	29.7		E	P	J	unk
7440-48-4	Cobalt	4.5	B		P		
7440-50-8	Copper	34.7			P		
7439-89-6	Iron	22600			P		
7439-92-1	Lead	136			P		
7439-95-4	Magnesium	1760			P		
7439-96-5	Manganese	296		E*	P	J	unk
7439-97-6	Mercury	0.16	U	*	CV	J	unk
7440-02-0	Nickel	19.3			P		
7440-09-7	Potassium	552	B		P		
7782-49-2	Selenium	2.1			P		
7440-22-4	Silver	2.6	B		P		
7440-23-5	Sodium	286	B		P		
7440-28-0	Thallium	2.3	B	*	P		
7440-62-2	Vanadium	22.8			P		
7440-66-6	Zinc	290		E	P	J	unk
	Cyanide	0.79	U	*	CA	J	unk

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

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INORGANIC

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21382 SAS No.: SDG No.: MB5039

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) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	73.0	U	73.0	U	73.0	U	73.0	U	14.600	U	P
Antimony	53.0	U	53.0	U	53.0	U	53.0	U	10.600	U	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.800	U	P
Barium	19.0	U	19.0	U	19.0	U	19.0	U	3.800	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Cadmium	4.0	U	4.0	U	4.0	U	4.0	U	0.800	U	P
Calcium	388.0	U	388.0	U	388.0	U	388.0	U	77.600	U	P
Chromium	6.0	U	6.0	U	6.0	U	6.0	U	1.200	U	P
Cobalt	9.0	U	9.0	U	9.0	U	9.0	U	1.800	U	P
Copper	6.0	U	6.0	U	6.0	U	6.0	U	1.200	U	P
Iron	14.8	B	15.7	B	20.5	B	14.8	B	2.400	U	P
Lead	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	P
Magnesium	460.0	U	460.0	U	460.0	U	460.0	U	92.000	U	P
Manganese	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Mercury	0.2	U	0.2	U	0.2	U			0.100	U	CV
Nickel	12.0	U	12.0	U	12.0	U	12.0	U	2.400	U	P
Potassium	590.0	U	590.0	U	590.0	U	590.0	U	118.000	U	P
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Silver	6.0	U	6.0	U	6.0	U	6.0	U	1.200	U	P
Sodium	684.0	U	684.0	U	684.0	U	684.0	U	136.800	U	P
Thallium	7.0	U	7.0	U	7.0	U	7.0	U	1.400	U	P
Vanadium	8.0	U	8.0	U	8.0	U	8.0	U	1.600	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	0.800	U	P
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U	0.500	U	CN

3
BLANKS

Lab Name: SOUTHWEST LAB OF OK Contract: 68-02-0040

Lab Code: SWOK Case No.: 21382 SAS No.: SDG No.: MCJX89

Preparation 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) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	73.0	U	73.0	U	73.0	U	73.0	U	73.000	U	P
Antimony	53.0	U	53.0	U	53.0	U	53.0	U	53.000	U	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P
Barium	19.0	U	19.0	U	19.0	U	19.0	U	19.000	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Cadmium	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P
Calcium	388.0	U	388.0	U	388.0	U	388.0	U	388.000	U	P
Chromium	6.0	U	6.0	U	6.0	U	6.0	U	6.000	U	P
Cobalt	9.0	U	9.0	U	9.0	U	9.0	U	9.000	U	P
Copper	6.0	U	6.0	U	6.0	U	6.0	U	6.000	U	P
Iron	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Lead	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Magnesium	460.0	U	460.0	U	460.0	U	460.0	U	460.000	U	P
Manganese	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	CV
Nickel	12.0	U	12.0	U	12.0	U	12.0	U	-15.720	B	P
Potassium	590.0	U	590.0	U	590.0	U	590.0	U	590.000	U	P
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Silver	6.0	U	6.0	U	6.0	U	6.0	U	6.000	U	P
Sodium	684.0	U	684.0	U	684.0	U	684.0	U	684.000	U	P
Thallium	7.0	U	7.0	U	7.0	U	7.0	U	7.000	U	P
Vanadium	8.0	U	8.0	U	8.0	U	8.0	U	8.000	U	P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P
Cyanide			10.0	U					10.000	U	CN

3
BLANKS

Lab Name: SOUTHWEST LAB OF OK Contract: 68-02-0606

Lab Code: SWOK Case No.: 21882 SAS No.: SDG No.: MFL02

Preparation 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) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			73.0	U	73.0	U	73.0	U	73.000	U	P
Antimony			53.0	U	53.0	U	53.0	U	53.000	U	P
Arsenic	5.7	B	4.0	U	4.0	U	4.0	U	4.000	U	P
Barium			19.0	U	19.0	U	19.0	U	19.000	U	P
Beryllium			1.0	U	1.0	U	1.0	U	1.000	U	P
Cadmium			4.0	U	4.0	U	4.0	U	4.000	U	P
Calcium			388.0	U	388.0	U	388.0	U	388.000	U	P
Chromium			6.0	U	6.0	U	6.0	U	6.000	U	P
Cobalt			9.0	U	9.0	U	9.0	U	9.000	U	P
Copper			6.0	U	6.0	U	6.0	U	6.000	U	P
Iron			12.0	U	12.0	U	12.0	U	18.974	B	P
Lead	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Magnesium			460.0	U	460.0	U	460.0	U	460.000	U	P
Manganese			2.0	U	2.0	U	2.0	U	2.000	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	CV
Nickel			12.0	U	12.0	U	12.0	U	12.000	U	P
Potassium			590.0	U	590.0	U	590.0	U	590.000	U	P
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Silver			6.0	U	6.0	U	6.0	U	6.000	U	P
Sodium			684.0	U	684.0	U	684.0	U	684.000	U	P
Thallium	7.0	U	7.0	U	8.5	B	7.4	B	7.000	U	P
Vanadium			8.0	U	8.0	U	8.0	U	8.000	U	P
Zinc			4.0	U	4.0	U	4.0	U	4.000	U	P
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	CN

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BLANKS

Lab Name: SOUTHWEST LAB OF TX Contract: 68-02-0040

Lab Code: SWOK Case No.: 21802 SAS No.: SDG No.: MEJ489

Preparation 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) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			73.0	U	73.0	U					P
Antimony			53.0	U	53.0	U					P
Arsenic			4.0	U							P
Barium			19.0	U	19.0	U					P
Beryllium			1.0	U	1.0	U					P
Cadmium			4.0	U	4.0	U					P
Calcium			388.0	U	388.0	U					P
Chromium			-6.3	B	6.0	U					P
Cobalt			9.0	U	9.0	U					P
Copper			6.0	U	6.0	U					P
Iron			12.0	U	12.0	U					P
Lead			3.0	U							P
Magnesium			460.0	U	460.0	U					P
Manganese			2.0	U	2.0	U					P
Mercury			0.2	U							CV
Nickel			12.0	U	12.0	U					P
Potassium			590.0	U	590.0	U					P
Selenium			5.0	U							P
Silver			6.0	U	6.0	U					P
Sodium			684.0	U	684.0	U					P
Thallium			7.0	U							P
Vanadium			8.0	U	8.0	U					P
Zinc			4.0	U	4.0	U					P
Cyanide			10.0	U	10.0	U					CA

3
BLANKS

Lab Name: SOUTHWEST LAB OF OK Contract: 68-02-6040

Lab Code: SWOK Case No.: 21033 SAS No.: _____ SDG No.: MEJX09

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) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	73.0	U	73.0	U	73.0	U	73.0	U			P
Antimony	53.0	U	53.0	U	53.0	U	53.0	U			P
Arsenic											NR
Barium	19.0	U	19.0	U	19.0	U	19.0	U			P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U			P
Cadmium	4.0	U	4.0	U	4.0	U	4.0	U			P
Calcium	388.0	U	388.0	U	388.0	U	388.0	U			P
Chromium	6.0	U	6.0	U	6.0	U	6.0	U			P
Cobalt	9.0	U	9.0	U	9.0	U	9.0	U			P
Copper	6.0	U	6.0	U	6.0	U	6.0	U			P
Iron	12.0	U	12.0	U	12.0	U	12.0	U			P
Lead											MP
Magnesium	460.0	U	460.0	U	460.0	U	460.0	U			P
Manganese	2.0	U	2.0	U	2.0	U	2.0	U			P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U			CV
Nickel	12.0	U	12.0	U	12.0	U	12.0	U			P
Potassium	590.0	U	590.0	U	590.0	U	590.0	U			P
Selenium											MP
Silver	6.0	U	6.0	U	6.0	U	6.0	U			P
Sodium	684.0	U	684.0	U	684.0	U	684.0	U			P
Thallium											NR
Vanadium	8.0	U	8.0	U	8.0	U	8.0	U			P
Zinc	4.0	U	4.0	U	4.0	U	4.0	U			P
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U			CA

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3
BLANKS

Lab Name: SOUTHWEST LAB OF OK Contract: 68-02-0040

Lab Code: SWOK Case No.: 21082 SAS No.: SDG No.: MEJX09

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) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			23.0	U							P
Antimony			53.0	U							P
Arsenic											NR
Barium			19.0	U							P
Beryllium			1.0	U							P
Cadmium			4.0	U							P
Calcium			388.0	U							P
Chromium			6.0	U							P
Cobalt			9.0	U							P
Copper			6.0	U							P
Iron			12.0	U							P
Lead											NR
Magnesium			460.0	U							P
Manganese			3.0	U							P
Mercury											NR
Nickel			12.0	U							P
Potassium			590.0	U							P
Selenium											NR
Silver			6.0	U							P
Sodium			484.0	U							P
Thallium											NR
Vanadium			8.0	U							P
Zinc			4.0	U							P
Cyanide			10.0	U							CN

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X
BLANKS

039

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0020

Lab Code: SWOK Case No.: 21037 SAS No.: SDG No.: ME0X82

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											HR
Antimony											HR
Arsenic											NR
Barium											NR
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U			P
Cadmium	4.0	U	4.0	U	4.0	U	4.0	U			P
Calcium	388.0	U	388.0	U	388.0	U	388.0	U			P
Chromium											HR
Cobalt											HR
Copper											HR
Iron	12.0	U	12.0	U	12.0	U	12.0	U			P
Lead											HR
Magnesium											HR
Manganese	2.0	U	2.0	U	2.0	U	2.0	U			P
Mercury											HR
Nickel											HR
Potassium											HR
Selenium											HR
Silver											HR
Sodium											HR
Thallium											HR
Vanadium											HR
Zinc											HR
Cyanide											HR

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO. 047

MEJX943

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21082 SAS No.: SDG No.: MEJX89

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

% Solids for Sample: 91.4

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									HR
Antimony	75-125	86.2540		11.5974	U	109.41	78.8		P
Arsenic	75-125	477.3037		6.9593		437.64	107.5		P
Barium	75-125	1078.5243		633.3013		437.64	101.7		P
Beryllium	75-125	3.5429		0.2188	U	10.94	32.4	N	P
Cadmium	75-125	23.6807		4.1368		10.94	178.6	N	P
Calcium									MP
Chromium		529.1691		508.3917		43.76	47.5		P
Cobalt	75-125	129.3713		13.5921		109.41	105.8		P
Copper		425.1317		294.2996		54.70	239.2		P
Iron									NR
Lead		1317.2077		642.0908		109.41	617.1		P
Magnesium									NR
Manganese		8336.6632		9591.5540		109.41	-1147.0		P
Mercury	75-125	1.5864		1.1433		0.55	80.4		CV
Nickel	75-125	221.7926		98.0389		109.41	113.1		P
Potassium									MP
Selenium	75-125	446.0760		1.0941	U	437.64	101.[illegible]		P
Silver	75-125	27.8578		16.6470		10.94	102.[illegible]		P
Sodium									NR
Thallium	75-125	449.2195		2.8972		437.64	102.0		P
Vanadium	75-125	155.3322		50.6807		109.41	95.7		P
Zinc		1640.7348		1081.5460		109.41	511.1		P
Cyanide	75-125	9.1633		3.1832		5.47	109.[illegible]		CA

Comments:

SW

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MLID24A

Lab Name: SOUTHWEST LAB OF OK Contract: 68-W0-0040

Lab Code: SWOK Case No.: 13882 SAS No.: SDG No.: MFJ028

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	Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium		1.00	U	1.00	U	10.0	0.0		P
Cadmium		51.70		18.90		37.8	86.0		P
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									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comment:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

MEJX94D

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21882 SAS No.: SDG No.: MEJX89

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

% Solids for Sample: 91.4 % Solids for Duplicate: 91.7

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		17445.9263		13086.3101		28.6	*	P
Antimony		11.5974	U	11.5974	U			P
Arsenic	2.2	6.9593		9.6335		32.2	*	P
Barium		633.3013		585.8138		7.8		P
Beryllium		0.2188	U	0.2188	U			P
Cadmium	1.1	4.1368		4.2372		2.4		P
Calcium		72122.1621		67261.8777		7.0		P
Chromium		508.3917		478.5144		6.1		P
Cobalt	10.9	13.5921		13.5278		0.5		P
Copper		294.2996		266.5569		9.9		P
Iron		123764.2823		107067.3972		14.5		P
Lead		642.0908		656.5670		2.2		P
Magnesium		26334.6757		30461.5015		14.5		P
Manganese		9591.5540		13221.3739		31.8	*	P
Mercury		1.1433		1.6685		37.4	*	CV
Nickel		98.0389		83.4696		16.1		P
Potassium		759.7028	B	572.4908	B	28.1		P
Selenium		1.0941	U	1.0941	U			P
Silver		16.6470		15.3934		7.8		P
Sodium		545.2477	B	497.2050	B	9.2		P
Thallium	3.2	2.8972		1.5317	U	200.0	*	P
Vanadium	10.9	50.6807		60.8024		18.2		P
Zinc		1081.5460		1127.7670		4.2		P
Cyanide		3.1832		5.0618		45.6	*	CA

LO
Instrument Detection Limits (ug/l or ug/g)

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 31892 SAS No.: SDG No.: NEW 39

HPLC ID Number: GTA-LCT Date: 04/14/94

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic	189.04		10	4.0	P
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead	220.35		3	3.0	P
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium	203.99		5	5.0	P
Silver			10		NR
Sodium			5000		NR
Thallium	190.86		10	2.0	P
Vanadium			50		NR
Zinc			20		NR

Comments:

10

Instrument Detection Limits (Quarterly)

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21082 SAS No.: SDG No.: MEJX09

ICP ID Number: TJA61 Date: 04/12/94

Flame AA ID Number :

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	15.0	P
Antimony	217.58		60	13.0	P
Arsenic			10		NR
Barium	493.41		200	1.0	P
Beryllium	313.04		5	1.0	P
Cadmium	228.80		5	3.0	P
Calcium	317.92		5000	10.0	P
Chromium	267.72		10	4.0	P
Cobalt	228.62		50	5.0	P
Copper	324.75		25	5.0	P
Iron	259.94		100	4.0	P
Lead			3		NR
Magnesium	279.08		5000	16.0	P
Manganese	257.61		15	2.0	P
Mercury			0.2		NR
Nickel	221.60		40	11.0	P
Potassium	776.49		5000	354.0	P
Selenium			5		NR
Silver	328.07		10	2.0	P
Sodium	588.99		5000	18.0	P
Thallium			10		NR
Vanadium	292.40		50	4.0	P
Zinc	213.86		20	3.0	P

Comments:

U.S. EPA - CLP

IO
Instrument Detection Limits (Quarterly)

Lab Name: SOUTHWEST LABORATORIES Contract: 68-02-0040

Lab Code: SWOK Case No.: 1388 SAS No.: SDG No.: MEJT39

ICP ID Number: AM 3560 Date: 04/29/94

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	23.0	P
Antimony	217.58		60	53.0	P
Arsenic			10		NR
Barium	445.40		200	19.0	P
Beryllium	313.04		5	1.0	P
Cadmium	226.50		5	4.0	P
Calcium	317.93		5000	388.0	P
Chromium	267.72		10	6.0	P
Cobalt	228.62		50	9.0	P
Copper	324.75		25	6.0	P
Iron	259.94		100	12.0	P
Lead			3		HR
Magnesium	279.08		5000	460.0	P
Manganese	257.61		15	2.0	P
Mercury			0.2		HR
Nickel	231.60		40	12.0	P
Potassium	766.49		5000	390.0	P
Selenium			5		HR
Silver	328.07		10	6.0	P
Sodium	589.00		5000	684.0	P
Thallium			10		HR
Vanadium	292.40		50	8.0	P
Zinc	213.86		20	4.0	P

Comment:

10

Instrument Detection Limits (Quarterly)

057

Lab Name: SOUTHWEST LAB OF OK Contract: 68-D0-0040

Lab Code: SWOK Case No.: 21882 SAS No.: SDG No.: MEJY89

ICP ID Number: Date: 04/11/94

Flame AA ID Number : P3200A

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.30		0.2	0.2	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

IO
Instrument Detection Limits (Quarterly)

Lab Name: SOUTHWEST LABORATORY Contract: 68-D2-0040

Lab Code: SWOK Case No.: 21882 SAS No.: SDG No.: MB3X89

ICP ID Number: Date: 04/11/94

Flame AA ID Number: FS2008

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.30		0.2	0.2	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No. _____ CERCLIS No. (IL)

Case No. 21882 Site Name Location: Ave O + 118th St

Contractor or EPA Lab: SWOSK Data User: BtV

No. of Samples: 17 Date Samples or Data Received: May 19, 1994

Have Chain-of-Custody records been received? YES ✓ NO ____
Have traffic reports or packing lists been received? YES ✓ NO ____
If no, are traffic report or packing list numbers written on the chain-of-custody record? YES ✓ NO ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? YES ✓ NO ____
No. of samples claimed: 17 No. of samples received: 17

Received by: Adrienne D Harris Date: May 19, 1994

Received by LSSS: Allison C Harvey Date: May 19, 1994

Review started: 5/24/94 Reviewer Signature: M. Freeman

Total time spent on review: 138 +1.0 T.A. Date review completed: 5/26/94

Copied by: Marvin Date: 06-06-94

Mailed to user by: AD Harris Date: 6-7-94

DATA USERS:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, SSCRL

Data received by: _____ Date: _____

Data review received by: _____ Date: _____
Inorganic Data Complete( ) Suitable for Intended Purpose( ) ✓ if OK
Organic Data Complete ( ) Suitable for Intended Purpose( ) list
Dioxin Data Complete ( ) Suitable for Intended Purpose( ) prblms
SAS Data Complete ( ) Suitable for Intended Purpose( ) below.
PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files Date: _____

RECEIVED
JUN 15 1994

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 6/6/94

SUBJECT: Review of Region V CLP Data
Received for Review on May 19, 1994

FROM: Charles T. Elly, Director (SL-10C)
Central Regional Laboratory
Patrick J. Chunlla for C.T. Elly

TO: Data User: BTV

We have reviewed the data for the following case.

SITE NAME: Ave. O + 118th St. (P2)

CASE and/or SAS NUMBER: 21882 SDG NUMBER: MEJX89

Number and Type of Samples: 17 - water/soil

CLP Sample Numbers: MEJX89-90, 92, 94-99, MEJJ92-99

CLP Laboratory: SWDK Hrs. for Review 13.8 + 1.0 T.M.

Following are our findings:

THE DATA ARE ACCEPTABLE WITH THE QUALIFICATIONS DESCRIBED IN THE ATTACHED REVIEW.

- Patrick J. Chunlla
6/6/94

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualification.
( ) Data are preliminary, pending verification by laboratory.
( ) Data are unacceptable.

cc: Edward Kantor, EMSL-Las Vegas
Julie Frankel, VIAR & Co. (SMO)

NARRATIVE

SITE : AVE. O & 118TH ST. CASE: 21882
LABORATORY: SWOK SDG: MEJX89

The laboratory's portion of this case contains 15 low level soil samples and 2 water rinsate samples assayed for total metals and total cyanide. All metals were assayed by ICP except Hg. The following narrative lists the out of control audits and their possible effects on the results.

EVIDENTIAL AUDIT:

The chain of custody form(s),all Forms,airbill(s),sample tags, DC-1 Form(s), and DC-2 Form(s) are present and originals. The original ICP raw data(pages 106-138),Hg raw data(pages 472-477), and the CN raw data(pages 497-503) are with case 21840 SDG: MCQM58. The original CN raw data(pages 507-511) is with case 21915 SDG: MFCH18. The remaining raw data are originals. All forms are present and in the order indicated on the DC-2 Form(s).[Inventory sheet]

SOIL SAMPLES(MEJJ92-99,MEJX92, and MEJX94-99)

ICP ANALYSES:

The matrix spike recoveries of Cu(239.2%),Mn(-1147%),Pb(617.1%), and Zn(511.1%) were not flagged by the lab since the sample results were four times greater than the spike added. All Pb and Cu data are acceptable. All Mn and Zn data are qualified below.

The duplicate audits of Tl(200% RPD),Al(28.6% RPD), and As(32.2% RPD) were flagged(*) by the lab however, the technical criteria for soils(+/- 2 XCRDL and 35% RPD) were not exceeded. All Tl, As, and Al data are acceptable.

The matrix spike recoveries of Be(32.4%) and Cd(178.6%) are out of control. All Cd data are estimated(J) due to a high bias. The Be result for MEJX94 is estimated(UJ) due to a possible elevated detection limit. The remaining Be data are estimated(J) due to a low bias.

The duplicate audit of Mn(31.8% RPD) was flagged(*) by the lab however, the technical criterion for soils(35% RPD) was not exceeded. The Mn data are not qualified on this basis. The ICP serial dilution of Mn(11%) is out of control. All Mn data are estimated(J) due to interference.

Reviewed by: M. Fletcher **Lockheed/ESAT**
Date: 5/26/94

ICP ANALYSES:

The ICP serial dilutions of Zn(15.7%) and Cr(12.7%) are out of control. All Zn and Cr data are estimated(J) due to interference.

OTHER QUALIFIERS:

The duplicate audits for Hg(37.4%) and CN(45.6%) are out of control. All Hg and CN data are estimated(J) due to poor precision.

Samples MEJX89 and 90 are water rinsate blanks that are qualified below in the water section.

WATER SAMPLES(MEJX89 and 90)

The lab submitted 2 water rinsate blanks with 15 soil samples. Since there are no other water samples to qualify data, no digestion QC audits are required. The lab should have assayed a water LCS and a water preparation blank along with the water samples since the sample matrix is not the same as the soils.

ICP ANALYSES:

All ICP data are acceptable.

OTHER QUALIFIERS:

All Hg and CN data are acceptable.

Samples MEJX89 and 90 are water rinsate blanks that contained: Pb(5.7 ug/l and 3.4 ug/l), Zn(7.1 ug/l), and Mn(2.7 ug/l). These rinsate blanks are not used to qualify any water data.

Reviewed by: M. Fletcher **Lockheed/ESAT**
Date: 5/26/94

DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utinized in this document, the following code letters and associated definitions are provide:

U Indicates the material was analyzed, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

J Indicates the associated value is an estimated quantity.

R Indicates the data are unusable. (Note: The analyte may or may not be present.)

UJ Indicates the material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

E Indicates the reported value is estimated because of the presence of interferences. An explanatory note shall be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).

M Indicates duplicate injection precision is not met.

N Indictaes the spike sample recovery is not within control limits.

S Indicates the reported value was determined by the Method of Standard Addition (MSA).

W Indicates the post-digestion spike for furnace AA analysis is out of control limits (85%-115%), while sample absorbance is less than 50% of the spike absorbance.

+ Indicates the correlation coefficient for the MSA is less than 0.995.

* Indicates the duplicate analysis is not within control limits.

Note: Entering "S", "W" or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix Spike - EPA Sample No.: EWX84 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	56.80	0	165.7	292 *	59-172
Trichloroethene	56.80	0	65.75	116	62-137
Benzene	56.80	0	88.68	156 *	66-142
Toluene	56.80	0	110.0	194 *	59-139
Chlorobenzene	56.80	0	82.34	145 *	60-133

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	56.80	101.9	179 *	48 *	22	59-172
Trichloroethene	56.80	65.74	116	0	24	62-137
Benzene	56.80	88.86	156 *	0	21	66-142
Toluene	56.80	97.68	172 *	12	21	59-139
Chlorobenzene	56.80	81.78	144 *	1	21	60-133

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

* Values outside of QC limits

RPD: 1 out of 5 outside limits
Spike Recovery: 8 out of 10 outside limits

COMMENTS:

000013

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

V8LH01

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Lab File ID: M7591 Lab Sample ID: V8LH01

Date Analyzed: 04/18/94 Time Analyzed: 1750

GC Column: CAP ID: 0.530(mm) Heated Purge: (Y/N) Y

Instrument ID: HP2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EWX84	681203	M7596	2043
02	EWX86	681207	M7598	2135
03	EWX87	681208	M7599	2202
04	EWX89	681209	M7600	2228
05	EWX84MSD	681206MSD	M7602	2321

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Lab File ID: M7613 Lab Sample ID: VBLK02

Date Analyzed: 04/19/94 Time Analyzed: 1342

GC Column: CAP ID: 0.530(mm) Heated Purge: (Y/N) Y

Instrument ID: HP2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EWX85	681206	M7617	1534
02	EWX86RE	681207RE	M7623	1813
03	EWX87RE	681208RE	M7624	1839
04	EWX89RE	681209RE	M7625	1906
05	EWX84MS	681204MS	M7626	1931

COMMENTS:

000015

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLF03

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Lab File ID: A8629 Lab Sample ID: VBLF03

Date Analyzed: 04/21/94 Time Analyzed: 1208

GC Column: CAP ID: 0.530(mm) Heated Purge: (Y/N) N

Instrument ID: HP1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EWW49	681202	A8679	1627

COMMENTS:

FORM IV VOA

3/90

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK04

Lab Name: AATSLA Contract: 68-02-6020

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Lab File ID: A8654 Lab Sample ID: VBLK04

Date Analyzed: 04/22/94 Time Analyzed: 1149

GC Column: CAP ID: 0.530(mm) Heated Purge: (Y/N) N

Instrument ID: HP1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EWW46	601201	A8658	1370

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK05

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Lab File ID: M7674 Lab Sample ID: VBLK05

Date Analyzed: 04/24/94 Time Analyzed: 1021

GC Column: CAP ID: 0.530(mm) Heated Purge: (Y/N) Y

Instrument ID: HP2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EWT80	685601	M7684	1441
02	EWT93	685602	M7685	1507
03	EWT94	685603	M7686	1532
04	EWT95	685604	M7687	1558
05	EWT96	685605	M7688	1624

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK06

Lab Name: AATSLA Contract: 68-D2-0029

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Lab File ID: M7693 Lab Sample ID: VBLK06

Date Analyzed: 04/25/94 Time Analyzed: 0752

GC Column: CAP ID: 0.530(mm) Heated Purge: (Y/N) Y

Instrument ID: HP2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EWT72	685608	M7713	1742
02	EWT80RE	685601RE	M7698	1048
03	EWT94RE	685603RE	M7699	1114
04	EWT95RE	685604RE	M7700	1140
05	EWT96RE	685605RE	M7710	1624
06	EWT97	685606	M7711	1650
07	EWT98	685607	M7703	1257
08	EWT98RE	685607RE	M7712	1716
09	EWW47	685612	M7709	1558
10	EWW50	685611	M7708	1532

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK07

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Lab File ID: M7788 Lab Sample ID: VBLK07

Date Analyzed: 04/28/94 Time Analyzed: 0850

GC Column: CAP ID: 0.530(mm) Heated Purge: (Y/N) Y

Instrument ID: HP2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EWX82	685609	M7797	1132
02	EWX82RE	685609RE	M7798	1356

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLF08

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Lab File ID: M7900 Lab Sample ID: VBLF08

Date Analyzed: 05/02/94 Time Analyzed: 1058

GC Column: CAP ID: 0.530(mm) Heated Purge: (Y/N) Y

Instrument ID: HP2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EWX88	685610	M7903	1222

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET **000318**

EPA SAMPLE NO.

VBLF01

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLF01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7591

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

% Moisture: not dec. _____ Date Analyzed: 04/18/94

GC Column: CAP 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

CAS NO.	COMPOUND		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	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000319

EPA SAMPLE NO.

VBLK01

Lab Name: AATSLA Contract: 68-D2-0038

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLK01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7591

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

% Moisture: not dec. _____ Date Analyzed: 04/18/94

GC Column: CAP 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

000322

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLF02

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLF02

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7613

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

% Moisture: not dec. _____ Date Analyzed: 04/19/94

GC Column: CAP 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	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	9	J
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	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLF02

Lab Name: AATSLA Contract: 68-D2-0020

Lab Code: AATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLF02

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7613

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

% Moisture: not dec. ____ Date Analyzed: 04/19/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 593-75-9	Methane, isocyano-	4.52	6	JN
2.	Unknown bromonated alkane	12.75	5	J
3.	Unknown	14.43	13	J
4.	Unknown	19.08	13	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: VBLK03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8629

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/21/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	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	Xylene (total)	10 U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLH03

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: VBLH03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8629

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

% Moisture: not dec. ____ Date Analyzed: 04/21/94

GC Column: CAP 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

000335

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK04

Lab Name: AATSLA Contract: 68-D2-0029

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: VBLK04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8654

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

% Moisture: not dec. ____ Date Analyzed: 04/22/94

GC Column: CAP 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	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

V8LH04

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: V8LH04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8654

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

% Moisture: not dec. _____ Date Analyzed: 04/22/94

GC Column: CAP 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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

000340

EPA SAMPLE NO.

VBLK05

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLK05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7674

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

% Moisture: not dec. ____ Date Analyzed: 04/24/94

GC Column: CAP 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

CAS NO.	COMPOUND		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	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK05

Lab Name: AATSLA Contract: 68-D2-0020

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLK05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7674

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

% Moisture: not dec. _____ Date Analyzed: 04/24/94

GC Column: CAP 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

000344

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK06

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLK06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7693

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

% Moisture: not dec. _____ Date Analyzed: 04/25/94

GC Column: CAP 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	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	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK05

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW4A

Matrix: (soil/water) SOIL Lab Sample ID: VBLK06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7693

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

% Moisture: not dec. ____ Date Analyzed: 04/25/94

GC Column: CAP 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

LA

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK07

Lab Name: AATSLA Contract: 68-D2-0023

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLK07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7788

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

% Moisture: not dec. _____ Date Analyzed: 04/28/94

GC Column: CAP 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

CAS NO.	COMPOUND		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	Xylene (total)	10	U

1E

000349

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLH07

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLH07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7738

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

% Moisture: not dec. _____ Date Analyzed: 04/20/94

GC Column: CAP 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

EPA SAMPLE NO.

VBLK08

Lab Name: AATSLA Contract: 68-D2-0029

Lab Code: AATSLA Case No.: 21862 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLK08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7900

Level: (low med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 05/02/94

GC Column: CAP 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	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	6	J
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	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK08

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: VBLK08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7900

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

% Moisture: not dec. _____ Date Analyzed: 05/02/94

GC Column: CAP 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 000037

EPA SAMPLE NO.

ENT 2

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685608

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7713

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/25/94

GC Column: CAP 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

CAS NO.	COMPOUND		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	10	J
67-64-1	Acetone	7	J
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	Xylene (total)	12	U

J low conc

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET 000038

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT72

Lab Name: QATSLA Contract: 68-D2-0028

Lab Code: QATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685608

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7713

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/25/94

GC Column: CAP 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

000042

EPA SAMPLE NO.

EWT80

Lab Name: GATSLA Contract: 68-D2-0020

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685601

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7684

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 15 Date Analyzed: 04/24/94

GC Column: CAP 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

CAS NO.	COMPOUND	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	22
67-64-1	Acetone	11 J
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	7 J
78-93-3	2-Butanone	26
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	3 J
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	Xylene (total)	12 U

J low conc

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET **000043**

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT80

Lab Name: AATSLA Contract: 68-02-0033

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685601

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7684

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 15 Date Analyzed: 04/24/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	17.93	8	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000050**

EPA SAMPLE NO.

EWT80RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: ENW46

Matrix: (soil/water) SOIL Lab Sample ID: 685601RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7648

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 15 Date Analyzed: 04/25/94

GC Column: CAP 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

CAS NO.	COMPOUND		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	40	
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	70	
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	19	
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	Xylene (total)	12	U

J
Low bias
J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000051

EPA SAMPLE NO.

EW180RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685601RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7698

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 15 Date Analyzed: 04/25/94

GC Column: CAP 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 **000056**

EPA SAMPLE NO.

EWT93

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685602

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7685

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 18 Date Analyzed: 04/24/94

GC Column: CAP 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

CAS NO.	COMPOUND	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	19
67-64-1	Acetone	16
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	6 J
78-93-3	2-Butanone	40
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	Xylene (total)	12 U

Low Vac

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET **000057**

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT03

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685602

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7685

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 18 Date Analyzed: 04/24/94

GC Column: CAP 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 **000062**

EPA SAMPLE NO.

EWT94

Lab Name: AATSLA Contract: 68-02-0020

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685603

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7686

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/24/94

GC Column: CAP 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	22	
67-64-1	Acetone	16	
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	5	J
78-93-3	2-Butanone	18	
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	3	J
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	Xylene (total)	12	U

Low Vad

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000063

EPA SAMPLE NO.

EWT94

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685603

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7686

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/24/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	4.13	8	JN

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EWT94RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685603RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7699

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/25/94

GC Column: CAP 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	18	
67-64-1	Acetone	14	
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	10	J
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	4	J
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	Xylene (total)	12	U

Low Conc

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT94PE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21880 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 68560JRE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7699

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/25/94

GC Column: CAP 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

000077

EPA SAMPLE NO.

EWT95

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685604

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7687

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/24/94

GC Column: CAP 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

CAS NO.	COMPOUND		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	16	
67-64-1	Acetone	20	
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	68	
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	Xylene (total)	12	U

J

low uncertainty

J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000078

EPA SAMPLE NO.

EWT95

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685604

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7687

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/24/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	12.00	9	J
2. 91-20-3	Naphthalene	14.27	23	JNR

MK 5-25-95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000085**

EPA SAMPLE NO.

EWT95RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685604RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7700

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/25/94

GC Column: CAP 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

CAS NO.	COMPOUND	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	28	
67-64-1	Acetone	10	J
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	4	J
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	Xylene (total)	12	U

J
Low Bias
J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT95RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AA1SLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685604RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7700

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/25/94

GC Column: CAP 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 **000091**

EPA SAMPLE NO.

EWT96

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685625

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7688

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 20 Date Analyzed: 04/24/94

GC Column: CAP 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

CAS NO.	COMPOUND		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	7	J
67-64-1	Acetone	18	
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	31	
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	Xylene (total)	12	U

J

Low Uncs

J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT96

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 085605

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7688

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 20 Date Analyzed: 04/24/94

GC Column: CAP 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 **000097**

EPA SAMPLE NO.

EWT96RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685605RE

Sample wt/vol: 5.0 (g/ml.) G Lab File ID: M7710

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 20 Date Analyzed: 04/25/94

GC Column: CAP 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

CAS NO.	COMPOUND	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	9 J
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	Xylene (total)	12 U

J low conc

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000098

EPA SAMPLE NO.

EWT96RE

Lab Name: AATSLA Contract: 68-D2-0023

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685605RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7710

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 20 Date Analyzed: 04/25/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 87-68-3	1,3-Butadiene, 1,1,2,3,4,4-h	14.20	40	JN
2.	Unknown	17.92	25	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

000104

EPA SAMPLE NO.

EWT97

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685606

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7711

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 22 Date Analyzed: 04/25/94

GC Column: CAP 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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	17	
67-64-1	Acetone	130	
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	
78-93-3	2-Butanone	10	J
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

J

low vad

1E

000105

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT97

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685606

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7711

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 22 Date Analyzed: 04/25/94

GC Column: CAP 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 **000111**

EPA SAMPLE NO.

EWT98

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685607

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7793

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/25/94

GC Column: CAP 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

CAS NO.	COMPOUND	0	
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	
67-64-1	Acetone	16	
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	5	J
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	Xylene (total)	12	U

Low Conc

1E

000112

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT98

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW4A

Matrix: (soil/water) SOIL Lab Sample ID: 685607

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7703

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/25/94

GC Column: CAP 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 **000117**

EPA SAMPLE NO.

EWT98RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685607RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7712

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/25/94

GC Column: CAP 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	9	J
67-64-1	Acetone	12	
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	Xylene (total)	150	

J Low Grade

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000118

EPA SAMPLE NO.

EWT98RE

Lab Name: OATSLA Contract: 68-D2-0073

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW4A

Matrix: (soil/water) SOIL Lab Sample ID: 68560 RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7712

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/25/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown aromatic	16.07	13	J
2.	Unknown aromatic	16.85	20	J
3.	Unknown aromatic	17.58	7	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

000127

EPA SAMPLE NO.

EWW46

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 681201

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8658

Level: (low/med) LOW Date Received: 04/17/94

% Moisture: not dec. _____ Date Analyzed: 04/22/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	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	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWW46

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 681201

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8650

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. _____ Date Analyzed: 04/22/94

GC Column: CAP 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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

000131

EPA SAMPLE NO.

EWW47

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685612

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7709

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 0 Date Analyzed: 04/25/94

GC Column: CAP 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

CAS NO.	COMPOUND	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	17	
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	4	J
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	
79-34-5	1,1,2,2-Tetrachloroethane	12	
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	Xylene (total)	10	U

J

Low Conc

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

000132

EPA SAMPLE NO.

EWW47

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685612

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7709

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 0 Date Analyzed: 04/25/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-01-7	Ethane, pentachloro-	16.77	14	JN
2.	Unknown	17.92	5	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

000139

EPA SAMPLE NO.

EWW49

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 681202

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8639

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. ____ Date Analyzed: 04/21/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		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	5	J
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	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWW49

Lab Name: AATSLA Contract: 68-D2-0003

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 681202

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8639

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. ___ Date Analyzed: 04/21/94

GC Column: CAP 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

1A

000144

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EWW50

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685611

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7708

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 0 Date Analyzed: 04/25/94

GC Column: CAP 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	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	6	J
67-64-1	Acetone	21	
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	Xylene (total)	10	U

FORM 1 VOA

3/90

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000145

EPA SAMPLE NO.

EWW50

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685611

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7708

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 0 Date Analyzed: 04/25/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	11.48	6	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET **000196**

EPA SAMPLE NO.

EWX88

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685610

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7903

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 14 Date Analyzed: 05/02/94

GC Column: CAP 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

CAS NO.	COMPOUND		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	3	J
67-64-1	Acetone	12 7	~~B~~
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	3	J
591-78-6	2-Hexanone	7	J
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	Xylene (total)	12	U

J

Jan UMICRO 5/25/94

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW188

Lab Name: AATSLA Contract: 68-D2-0029

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685610

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7903

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 14 Date Analyzed: 05/02/94

GC Column: CAP 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

000204

EPA SAMPLE NO.

EWX89

Lab Name: AATSLA Contract: 68-D2-0038

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681209

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7600

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 37 Date Analyzed: 04/18/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

SM 2/6/95

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q		
74-87-3	Chloromethane	16	U		
74-83-9	Bromomethane	16	U		
75-01-4	Vinyl Chloride	16	U		
75-00-3	Chloroethane	16	U	J	unk
75-09-2	Methylene Chloride	30			
67-64-1	Acetone	16	U	J	unk
75-15-0	Carbon Disulfide	16	U		
75-35-4	1,1-Dichloroethene	16	U		
75-34-3	1,1-Dichloroethane	16	U		
540-59-0	1,2-Dichloroethene (total)	16	U		
67-66-3	Chloroform	16	U		
107-06-2	1,2-Dichloroethane	16	U		
78-93-3	2-Butanone	16	U	J	unk
71-55-6	1,1,1-Trichloroethane	16	U		
56-23-5	Carbon Tetrachloride	16	U		
75-27-4	Bromodichloromethane	16	U		
78-87-5	1,2-Dichloropropane	16	U		
10061-01-5	cis-1,3-Dichloropropene	16	U		
79-01-6	Trichloroethene	16	U		
124-48-1	Dibromochloromethane	16	U		
79-00-5	1,1,2-Trichloroethane	16	U		
71-43-2	Benzene	16	U		
10061-02-6	trans-1,3-Dichloropropene	16	U		
75-25-2	Bromoform	16	U		
108-10-1	4-Methyl-2-Pentanone	16	U		
591-78-6	2-Hexanone	16	U		
127-18-4	Tetrachloroethene	16	U		
79-34-5	1,1,2,2-Tetrachloroethane	16	U		
108-88-3	Toluene	16	U		
108-90-7	Chlorobenzene	16	U		
100-41-4	Ethylbenzene	16	U		
100-42-5	Styrene	16	U		
1330-20-	Xylene (total)	16	U		

1E

000205

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWX89

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AA1SLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681209

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7600

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 37 Date Analyzed: 04/18/94

GC Column: CAP 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 **000209** EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EWX89RE

Lab Name: OATSLA Contract: 68-D2-0038

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 581209RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7625

Level: (low/med) LOW Date Received: 04/17/94

% Moisture: not dec. 37 Date Analyzed: 04/19/94

GC Column: CAP 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

CAS NO.	COMPOUND	Q		
74-87-3	Chloromethane	16	U	
74-83-9	Bromomethane	16	U	
75-01-4	Vinyl Chloride	16	U	
75-00-3	Chloroethane	16	U J	unk
75-09-2	Methylene Chloride	31		
67-64-1	Acetone	32	B U	
75-15-0	Carbon Disulfide	16	U	
75-35-4	1,1-Dichloroethene	16	U	
75-34-3	1,1-Dichloroethane	16	U	
540-59-0	1,2-Dichloroethene (total)	16	U	
67-66-3	Chloroform	16	U	
107-06-2	1,2-Dichloroethane	16	U	
78-93-3	2-Butanone	16	U	
71-55-6	1,1,1-Trichloroethane	16	U	
56-23-5	Carbon Tetrachloride	16	U	
75-27-4	Bromodichloromethane	16	U	
78-87-5	1,2-Dichloropropane	16	U	
10061-01-5	cis-1,3-Dichloropropene	16	U	
79-01-6	Trichloroethene	16	U	
124-48-1	Dibromochloromethane	16	U	
79-00-5	1,1,2-Trichloroethane	16	U	
71-43-2	Benzene	16	U	
10061-02-6	trans-1,3-Dichloropropene	16	U	
75-25-2	Bromoform	16	U	
108-10-1	4-Methyl-2-Pentanone	16	U	
591-78-6	2-Hexanone	16	U	
127-18-4	Tetrachloroethene	16	U	
79-34-5	1,1,2,2-Tetrachloroethane	16	U	
108-88-3	Toluene	16	U	
108-90-7	Chlorobenzene	16	U	
100-41-4	Ethylbenzene	16	U	
100-42-5	Styrene	16	U	
1330-20-7	Xylene (total)	16	U	

SM 2/6/95

EPA SAMPLE NO.

EWX89RE

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: AATSLA Contract: 68-D2-0029

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: e81209RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7625

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 37 Date Analyzed: 04/19/94

GC Column: CAP 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 **000184**

EPA SAMPLE NO.

EWx87

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681208

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7599

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 11 Date Analyzed: 04/18/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

SM 2/6/95

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 J	unk
75-09-2	Methylene Chloride	60		
67-64-1	Acetone	33	J	unk
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 J	unk
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	Xylene (total)	11	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000185

EPA SAMPLE NO.

EWx87

Lab Name: AATSLA Contract: 68-D2-0029

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681208

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7599

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 11 Date Analyzed: 04/18/94

GC Column: CAP 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

000190

EPA SAMPLE NO.

EWX87RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681208RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7624

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 11 Date Analyzed: 04/19/94

GC Column: CAP 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

CAS NO.	COMPOUND		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 J
75-09-2	Methylene Chloride	24	
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	Xylene (total)	11	U

SM 2/6/95

unk

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EW037RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681208RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7624

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 11 Date Analyzed: 04/19/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 593-75-9	Methane, isocyano-	4.53	8	BJN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET **000173**

EPA SAMPLE NO.

EWX86

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681207

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7598

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 10 Date Analyzed: 04/18/94

GC Column: CAP 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

CAS NO.	COMPOUND		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 J	unk
75-09-2	Methylene Chloride	18		
67-64-1	Acetone	11	U J	unk
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 J	unk
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	Xylene (total)	11	U	

SM 2/6/95

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET 000174

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWX86

Lab Name: OATSLA Contract: 68-D2-0078

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681207

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7598

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 10 Date Analyzed: 04/18/94

GC Column: CAP 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 000178

EPA SAMPLE NO.

EWX86RE

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681207RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7623

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 10 Date Analyzed: 04/19/94

GC Column: CAP 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

CAS NO.	COMPOUND	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	J
75-09-2	Methylene Chloride	17		
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	Xylene (total)	11	U	

GM 2/6/95

unk

1E

000179

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWX66RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681207RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7643

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 10 Date Analyzed: 04/19/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 593-75-9	Methane, isocyano-	4.55	8	BJN

1A

000167

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EWX85

Lab Name: AATSLA Contract: e8-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681206

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7617

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 10 Date Analyzed: 04/19/94

GC Column: CAP 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

CAS NO.	COMPOUND		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 J
75-09-2	Methylene Chloride	13	
67-64-1	Acetone	12	B 4
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	Xylene (total)	11	U

ym 2/6/95

unk

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWX35

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681206

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7017

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 10 Date Analyzed: 04/19/94

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.52	9	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWX84

Lab Name: AATSLA Contract: 68-D2-0043

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681203

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7596

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 13 Date Analyzed: 04/18/94

GC Column: CAP 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 **000161**

EPA SAMPLE NO.

EWX84

Lab Name: AATSLA Contract: 68-D2-0038

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681203

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7596

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: not dec. 13 Date Analyzed: 04/18/94

GC Column: CAP 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

CAS NO.	COMPOUND		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 J	unk
75-09-2	Methylene Chloride	26		
67-64-1	Acetone	63	J	unk
75-15-0	Carbon Disulfide	11	U	
75-35-4	1,1-Dichloroethene	11	U J	↑
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	J	
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 J	↑
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 J	↑
108-90-7	Chlorobenzene	11	U J	↑
100-41-4	Ethylbenzene	11	U	
100-42-5	Styrene	11	U	
1330-20-7	Xylene (total)	11	U	

SM 2/16/95

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EWX82

Lab Name: AATSLA Contract: 93-02-0028

Lab Code: AATSLA Case No.: 71882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685609

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7797

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/28/94

GC Column: CAP 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

CAS NO.	COMPOUND	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	28	
67-64-1	Acetone	10	J
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	5	J
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	3	J
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	Xylene (total)	12	U

low bias

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWX82

Lab Name: AATSLA Contract: 68-D3-0028

Lab Code: AA1SLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685609

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7793

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/28/94

GC Column: CAP 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 **000156**

EPA SAMPLE NO.

EWX82RE

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685609RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7798

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/28/94

GC Column: CAP 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

CAS NO.	COMPOUND	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	14	
67-64-1	Acetone	8	J
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	Xylene (total)	12	U

J

low bias

J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000157

EPA SAMPLE NO.

EWX02RE

Lab Name: AATSLA Contract: 68-D2-0039

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685609RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M7798

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: not dec. 16 Date Analyzed: 04/28/94

GC Column: CAP 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

2C

WATER SEMIVOLATILE SURROGATE RECOVERY **000363**

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	EWW49	103	83	99	92	95	96	102	83	0
02	EWW50	91	83	98	78	85	101	88	62	0
03	SBLK01	95	78	93	80	83	93	96	72	0
04	SBLK04	81	71	85	72	77	86	81	57	0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

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

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

000364

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

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	EWT72	78		86		87		78		72		55		82		71		0
02	EWT72DL	85	D	95	D	101	D	95	D	76	D	58	D	91	D	77	D	0
03	EWT80	73		78		92		75		71		80		79		68		0
04	EWT80DL	76	D	88	D	86	D	84	D	66	D	75	D	84	D	68	D	0
05	EWT93	73		78		87		71		65		71		72		62		0
06	EWT93DL	75	D	84	D	89	D	79	D	69	D	77	D	80	D	68	D	0
07	EWT94	60		65		78		61		54		56		62		53		0
08	EWT94DL	58	D	69	D	71	D	64	D	49	D	56	D	64	D	51	D	0
09	EWT95	62		76		83		68		54		59		68		44		0
10	EWT96	69		80		85		71		64		80		73		63		0
11	EWT96DL	71	D	83	D	84	D	76	D	66	D	80	D	78	D	64	D	0
12	EWT97	91		76		92		85		82		56		90		83		0
13	EWT98	71		79		81		71		62		70		74		65		0
14	EWT98DL	76	D	85	D	91	D	86	D	65	D	73	D	81	D	70	D	0
15	EWX82	72		79		78		72		67		61		76		66		0
16	EWX84	88		94		100		87		65		78		83		71		0
17	EWX85	80		86		82		82		74		69		84		76		0
18	EWX86	77		87		82		79		65		77		79		69		0
19	EWX87	69		81		81		75		60		75		73		59		0
20	EWX87DL	67		80		74		76		57		69		74		58		0
21	EWX88	86		88		88		82		80		61		88		80		0
22	EWX89	77		85		78		81		74		64		82		69		0
23	EWX84MS	92		101		112		88		68		87		82		74		0
24	EWX84MSD	83		91		103		81		65		79		75		67		0
25	SBLK03	62		68		78		62		58		64		64		60		0
26	SBLK02	62		60		67		61		59		60		64		58		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

FORM II SV-2 3/90

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: HATSLA Contract: 68-D2-0028 **000365**

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix Spike - EPA Sample No.: EWX34 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC LIMITS REC.
Phenol	2840	549.9	2884	82	26- 90
2-Chlorophenol	2840	0	2202	78	25-102
1,4-Dichlorobenzene	1890	567.5	1375	43	28-104
N-Nitroso-di-n-prop.(1)	1890	0	2211	117	41-126
1,2,4-Trichlorobenzene	1890	0	1639	87	38-107
4-Chloro-3-methylphenol	2840	0	2857	101	26-103
Acenaphthene	1890	267.7	3332	173 *	31-137
4-Nitrophenol	2840	0	2574	91	11-114
2,4-Dinitrotoluene	1890	0	1501	79	28- 89
Pentachlorophenol	2840	0	0	0 *	17-109
Pyrene	1890	2046	9021	369 *	35-142

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2830	2650	74	10	35	26- 90
2-Chlorophenol	2830	1972	70	11	50	25-102
1,4-Dichlorobenzene	1890	1206	34	23	27	28-104
N-Nitroso-di-n-prop.(1)	1890	1927	102	14	38	41-126
1,2,4-Trichlorobenzene	1890	1440	76	13	23	38-107
4-Chloro-3-methylphenol	2830	2555	90	12	33	26-103
Acenaphthene	1890	2229	104	50 *	19	31-137
4-Nitrophenol	2830	2213	78	15	50	11-114
2,4-Dinitrotoluene	1890	1326	70	12	47	28- 89
Pentachlorophenol	2830	354.0	13 *	200 *	47	17-109
Pyrene	1890	6074	213 *	54 *	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: 3 out of 11 outside limits
Spike Recovery: 5 out of 22 outside limits

COMMENTS:

SEMIVOLATILE METHOD BLANK SUMMARY

000366

EPA SAMPLE NO.

SBLK01

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Lab File ID: 66956 Lab Sample ID: SBLK01

Instrument ID: HP6 Date Extracted: 04/13/94

Matrix: (soil/water) WATER Date Analyzed: 04/18/94

Level:(low/med) LOW Time Analyzed: 1744

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EWW49	681202	66957	04/18/94

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

000367

EPA SAMPLE NO.

SBLK02

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 71882 SAS No.: _____ SDG No.: EWW46

Lab File ID: 67391 Lab Sample ID: SBLK02

Instrument ID: HPA Date Extracted: 04/15/94

Matrix: (soil/water) SOIL Date Analyzed: 05/18/94

Level: (low/med) LOW Time Analyzed: 1118

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EWX84	681203	67392	05/18/94
02	EWX85	681206	67395	05/18/94
03	EWX86	681207	67396	05/18/94
04	EWX87	681208	67397	05/18/94
05	EWX87DL	681208DL	67403	05/18/94
06	EWX89	681209	67398	05/18/94
07	EWX84MS	681204MS	67393	05/18/94
08	EWX84MSD	681205MSD	67394	05/18/94

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

000368

EPA SAMPLE NO.

SBLK03

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Lab File ID: 67341 Lab Sample ID: SBLK03

Instrument ID: HP6 Date Extracted: 04/19/94

Matrix: (soil/water) SOIL Date Analyzed: 05/15/94

Level: (low med) LOW Time Analyzed: 1930

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EWT72	685608	67352	05/16/94
02	EWT72DL	6865080L	67388	05/17/94
03	EWT80	685601	67342	05/15/94
04	EWT80DL	6856010L	67356	05/16/94
05	EWT93	685602	67347	05/16/94
06	EWT93DL	685602DL	67357	05/16/94
07	EWT94	685603	67348	05/16/94
08	EWT94DL	685603DL	67358	05/16/94
09	EWT95	685604	67349	05/16/94
10	EWT96	685605	67350	05/16/94
11	EWT96DL	685605DL	67359	05/16/94
12	EWT97	685606	67351	05/16/94
13	EWT98	685607	67355	05/16/94
14	EWT98DL	685607DL	67387	05/17/94
15	EWX82	685609	67353	05/16/94
16	EWX88	685610	67354	05/16/94

COMMENTS:

FORM IV SV

3/90

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK04

000369

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Lab File ID: 67168 Lab Sample ID: SBLK04

Instrument ID: HP6 Date Extracted: 04/20/94

Matrix: (soil/water) WATER Date Analyzed: 04/29/94

Level:(low/med) LOW Time Analyzed: 2038

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EWW50	685611	67169	04/29/94

COMMENTS:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLH01

001191

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: SBLH01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 66956

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

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 04/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/18/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	Q
108-95-2	Phenol	10 U
111-44-4	bis(2-Chloroethyl)ether	10 U
95-57-8	2-Chlorophenol	10 U
541-73-1	1,3-Dichlorobenzene	10 U
106-46-7	1,4-Dichlorobenzene	10 U
95-50-1	1,2-Dichlorobenzene	10 U
95-48-7	2-Methylphenol	10 U
108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
106-44-5	4-Methylphenol	10 U
621-64-7	N-Nitroso-di-n-propylamine	10 U
67-72-1	Hexachloroethane	10 U
98-95-3	Nitrobenzene	10 U
78-59-1	Isophorone	10 U
88-75-5	2-Nitrophenol	10 U
105-67-9	2,4-Dimethylphenol	10 U
111-91-1	bis(2-Chloroethoxy)methane	10 U
120-83-2	2,4-Dichlorophenol	10 U
120-82-1	1,2,4-Trichlorobenzene	10 U
91-20-3	Naphthalene	10 U
106-47-8	4-Chloroaniline	10 U
87-68-3	Hexachlorobutadiene	10 U
59-50-7	4-Chloro-3-methylphenol	10 U
91-57-6	2-Methylnaphthalene	10 U
77-47-4	Hexachlorocyclopentadiene	10 U
88-06-2	2,4,6-Trichlorophenol	10 U
95-95-4	2,4,5-Trichlorophenol	25 U
91-58-7	2-Chloronaphthalene	10 U
88-74-4	2-Nitroaniline	25 U
131-11-3	Dimethylphthalate	10 U
208-96-8	Acenaphthylene	10 U
606-20-2	2,6-Dinitrotoluene	10 U
99-09-2	3-Nitroaniline	25 U
83-32-9	Acenaphthene	10 U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 001192

EPA SAMPLE NO.

SBLF01

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: SBLF01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 66956

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

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 04/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 001193

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLH01

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: SBLH01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 66956

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

% Moisture: _____ decanted: (Y/N) __ Date Extracted: 04/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

001196

SBLF02

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: SBLF02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67391

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ 1.5 5/18/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
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-	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethylphthalate	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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

001197

SBLF02

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21082 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: SBLF02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 6/391

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 5/18/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
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	92	J
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

001198

EPA SAMPLE NO.

SBLH02

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: SBLH02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67391

Level: (low/med) LOW Date Received:

% Moisture: decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~ 2/8/19/94

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.55	360	AJ
2.	Aldol condensation	5.82	110	AJ
3.	Unknown hydrocarbon	7.17	240	J
4.	Unknown hydrocarbon	7.40	100	J
5.	Unknown	17.80	100	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **001207**

EPA SAMPLE NO.

SBLI03

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21082 SAS No.: ____ SDG No.: ENW4A

Matrix: (soil/water) SOIL Lab Sample ID: SBLI03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: a7341

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

% Moisture: ____ decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/15/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~ 2/5/94

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

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

CAS NO.	COMPOUND		Q
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	Dimethylphthalate	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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

001208

EPA SAMPLE NO.

SBLK03

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: SBLK03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67341

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/15/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
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	17	J
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	100	J
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

001209

EPA SAMPLE NO.

SBLI03

Lab Name: BATSLA Contract: 68-02-0020

Lab Code: BATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: SBLI03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: e7341

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/15/94

Injection Volume: 2.0(uL) Dilution Factor: ~~0.5~~ 1.0

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.58	310	AJ
2.	Aldol condensation	5.87	85	AJ
3.	Unknown hydrocarbon	7.20	120	J
4.	Unknown	17.83	72	J
5.	Unknown	18.28	110	J

1B

SEMIVOLATILE ORGANILS ANALYSIS DATA SHEET 001219

EPA SAMPLE NO.

SBLH04

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: SBLH04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 67168

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

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 04/20/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 001220

EPA SAMPLE NO.

SBLK04

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21887 SAS No.: SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: SBLK04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 67168

Level: (low/med) LOW Date Received:

% Moisture: decanted: (Y/N) Date Extracted: 04/20/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/27/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	8	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 001221

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK04

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: SBLK04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 67168

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

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 04/20/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	9.12	4	J
2.	Unknown	17.62	3	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000386

EPA SAMPLE NO.

EWT72

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685608

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 67352

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	270	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	94	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	410	
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	130	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000387** EPA SAMPLE NO.

EWT72

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685608

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 67352

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~0.5~~ 1.0 4/19/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	120	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	250	J
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	1900	E 10/7/94
120-12-7	Anthracene	670	
86-74-8	Carbazole	150	J
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	4300 D ~~4000~~	~~E~~
129-00-0	Pyrene	3900BD ~~3200~~	~~BE~~
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	~~2200~~	~~E~~ 10/7/94
218-01-9	Chrysene	~~2100~~	~~E~~
117-81-7	bis(2-Ethylhexyl)phthalate	210	BJ
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	~~3000~~	~~E~~ 10/7/94
207-08-9	Benzo(k)fluoranthene	940	
50-32-8	Benzo(a)pyrene	~~2200~~	~~E~~
193-39-5	Indeno(1,2,3-cd)pyrene	840	
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	520	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000388**

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT72

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 585608

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 67352

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~1.5~~ 2.4/19/94

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown hydrocarbon	7.20	900	BJ
2.	Unknown PAH	14.67	200	J
3.	Unknown	14.85	2300	J
4.	Unknown	15.15	2300	J
5.	Unknown PAH	16.22	1500	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000407**

EPA SAMPLE NO.

EWT72DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 686508DL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 67388

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/94

Injection Volume: 2.0(uL) Dilution Factor: 2.0 ~~2~~ 2/5/1/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	780	U
111-44-4	bis(2-Chloroethyl)ether	780	U
95-57-8	2-Chlorophenol	780	U
541-73-1	1,3-Dichlorobenzene	780	U
106-46-7	1,4-Dichlorobenzene	780	U
95-50-1	1,2-Dichlorobenzene	780	U
95-48-7	2-Methylphenol	780	U
108-60-1	2,2'-oxybis(1-Chloropropane)	780	U
106-44-5	4-Methylphenol	780	U
621-64-7	N-Nitroso-di-n-propylamine	780	U
67-72-1	Hexachloroethane	780	U
98-95-3	Nitrobenzene	780	U
78-59-1	Isophorone	780	U
88-75-5	2-Nitrophenol	780	U
105-67-9	2,4-Dimethylphenol	780	U
111-91-1	bis(2-Chloroethoxy)methane	780	U
120-83-2	2,4-Dichlorophenol	780	U
120-82-1	1,2,4-Trichlorobenzene	780	U
91-20-3	Naphthalene	280	DJ
106-47-8	4-Chloroaniline	780	U
87-68-3	Hexachlorobutadiene	780	U
59-50-7	4-Chloro-3-methylphenol	780	U
91-57-6	2-Methylnaphthalene	780	U
77-47-4	Hexachlorocyclopentadiene	780	U
88-06-2	2,4,6-Trichlorophenol	780	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	780	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	780	U
208-96-8	Acenaphthylene	400	DJ
606-20-2	2,6-Dinitrotoluene	780	U
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	780	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000408

EPA SAMPLE NO.

EWT72DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 686508DL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 67388

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/94

Injection Volume: 2.0(uL) Dilution Factor: ~~2.0~~ 1 5/19/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	160	DJ
121-14-2	2,4-Dinitrotoluene	780	U
84-66-2	Diethylphthalate	780	U
7005-72-3	4-Chlorophenyl-phenylether	780	U
86-73-7	Fluorene	260	DJ
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	780	U
101-55-3	4-Bromophenyl-phenylether	780	U
118-74-1	Hexachlorobenzene	780	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	2100	D
120-12-7	Anthracene	680	DJ
86-74-8	Carbazole	780	U
84-74-2	Di-n-butylphthalate	780	U
206-44-0	Fluoranthene	4300	DE
129-00-0	Pyrene	3900	BDE
85-68-7	Butylbenzylphthalate	780	U
91-94-1	3,3'-Dichlorobenzidine	780	U
56-55-3	Benzo(a)anthracene	2300	D
218-01-9	Chrysene	2400	D
117-81-7	bis(2-Ethylhexyl)phthalate	~~240~~ 780	BDJ
117-84-0	Di-n-octylphthalate	780	U
205-99-2	Benzo(b)fluoranthene	2600	D
207-08-9	Benzo(k)fluoranthene	1600	D
50-32-8	Benzo(a)pyrene	2500	D
193-39-5	Indeno(1,2,3-cd)pyrene	1400	D
53-70-3	Dibenz(a,h)anthracene	780	U
191-24-2	Benzo(g,h,i)perylene	830	D

(1) - Cannot be separated from Diphenylamine

VMK 5-25-94

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000409**

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT72DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: s8650RDL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 67388

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/94

Injection Volume: 2.0(uL) Dilution Factor: ~~20~~ 2 5/4/94

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

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.53	710	ABJ
2.	Unknown hydrocarbon	7.17	1100	J
3.	Unknown hydrocarbon	7.37	470	J
4.	Unknown hydrocarbon	8.97	300	J
5.	Unknown hydrocarbon	9.27	250	J
6.	Unknown hydrocarbon	10.82	390	J
7.	Unknown hydrocarbon	12.57	210	J
8.	Unknown hydrocarbon	14.25	170	J
9.	Unknown PAH	14.63	200	J
10.	Unknown	14.80	730	J
11.	Unknown hydrocarbon	15.83	2000	J
12.	Unknown PAH	17.10	200	J
13.	Unknown PAH	17.28	440	J
14.	Unknown PAH	18.38	1400	J
15.	Unknown hydrocarbon	19.87	4400	J
16.	Unknown PAH	21.02	180	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000438**

EPA SAMPLE NO.

EW180

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685601

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67342

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/15/94

Injection Volume: 2.0(uL) Dilution Factor: ~~0.5~~ 10 [illegible]

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2 -oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	1500	
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	320	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	2300	
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	160	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000439**

EPA SAMPLE NO.

EWT80

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685601

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67342

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/15/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~9.5~~ 10/19/94

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	460	
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	960	
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	7900 D ~~6000~~	E
120-12-7	Anthracene	2700	E 10/19/94
86-74-8	Carbazole	570	
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	19000 D ~~44000~~	E
129-00-0	Pyrene	14000 BD ~~10000~~	BE
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	9200 D ~~9800~~	E
218-01-9	Chrysene	9300 D ~~7300~~	E
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~190~~	BJ Unit Sp.gr.
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	11000 D ~~9900~~	E
207-08-9	Benzo(k)fluoranthene	6800 D ~~3600~~	E
50-32-8	Benzo(a)pyrene	8200 D ~~11000~~	E
193-39-5	Indeno(1,2,3-cd)pyrene	3600 DJ ~~2200~~	E 10/19/94
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	230	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

000440

EPA SAMPLE NO.

EW180

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685601

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67342

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/15/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~0.5~~ 1/4/94

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	12.67	270	J
2.	Unknown aromatic	13.25	260	J
3. 132-65-0	Dibenzothiophene	13.45	170	JN
4.	Unknown	13.88	240	J
5.	Unknown PAH	14.28	380	J
6.	Unknown PAH	14.63	150	J
7.	Unknown PAH	14.68	190	J
8.	Unknown PAH	14.87	800	J
9. 35465-71-5	2-Phenylnaphthalene	15.23	1400	JN
10.	Unknown PAH	16.27	130	J
11.	Unknown PAH	17.20	100	J
12.	Unknown PAH	18.47	780	J
13.	Unknown PAH	21.10	780	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000469

EPA SAMPLE NO.

EW180DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685601DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67356

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~10.0~~ 20 5/16/94

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9400	U
100-02-7	4-Nitrophenol	9400	U
132-64-9	Dibenzofuran	3900	U
121-14-2	2,4-Dinitrotoluene	3900	U
84-66-2	Diethylphthalate	3900	U
7005-72-3	4-Chlorophenyl-phenylether	3900	U
86-73-7	Fluorene	1100	DJ
100-01-6	4-Nitroaniline	9400	U
534-52-1	4,6-Dinitro-2-methylphenol	9400	U
86-30-6	N-Nitrosodiphenylamine (1)	3900	U
101-55-3	4-Bromophenyl-phenylether	3900	U
118-74-1	Hexachlorobenzene	3900	U
87-86-5	Pentachlorophenol	9400	U
85-01-8	Phenanthrene	7900	D
120-12-7	Anthracene	3200	DJ
86-74-8	Carbazole	3900	U
84-74-2	Di-n-butylphthalate	3900	U
206-44-0	Fluoranthene	19000	D ~~E~~ 5/16/94
129-00-0	Pyrene	14000	BD
85-68-7	Butylbenzylphthalate	3900	U
91-94-1	3,3'-Dichlorobenzidine	3900	U
56-55-3	Benzo(a)anthracene	9200	D
218-01-9	Chrysene	9300	D
117-81-7	bis(2-Ethylhexyl)phthalate	3900	U
117-84-0	Di-n-octylphthalate	3900	U
205-99-2	Benzo(b)fluoranthene	11000	D
207-08-9	Benzo(k)fluoranthene	6800	D
50-32-8	Benzo(a)pyrene	8200	D
193-39-5	Indeno(1,2,3-cd)pyrene	3600	DJ
53-70-3	Dibenz(a,h)anthracene	3900	U
191-24-2	Benzo(g,h,i)perylene	3900	U

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000468**

EPA SAMPLE NO.

EWT80DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685601DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67356

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0 ~~5.0~~ 5/19/94

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3900	U
111-44-4	bis(2-Chloroethyl)ether	3900	U
95-57-8	2-Chlorophenol	3900	U
541-73-1	1,3-Dichlorobenzene	3900	U
106-46-7	1,4-Dichlorobenzene	3900	U
95-50-1	1,2-Dichlorobenzene	3900	U
95-48-7	2-Methylphenol	3900	U
108-60-1	2,2 -oxybis(1-Chloropropane)	3900	U
106-44-5	4-Methylphenol	3900	U
621-64-7	N-Nitroso-di-n-propylamine	3900	U
67-72-1	Hexachloroethane	3900	U
98-95-3	Nitrobenzene	3900	U
78-59-1	Isophorone	3900	U
88-75-5	2-Nitrophenol	3900	U
105-67-9	2,4-Dimethylphenol	3900	U
111-91-1	bis(2-Chloroethoxy)methane	3900	U
120-83-2	2,4-Dichlorophenol	3900	U
120-82-1	1,2,4-Trichlorobenzene	3900	U
91-20-3	Naphthalene	1800	DJ
106-47-8	4-Chloroaniline	3900	U
87-68-3	Hexachlorobutadiene	3900	U
59-50-7	4-Chloro-3-methylphenol	3900	U
91-57-6	2-Methylnaphthalene	3900	U
77-47-4	Hexachlorocyclopentadiene	3900	U
88-06-2	2,4,6-Trichlorophenol	3900	U
95-95-4	2,4,5-Trichlorophenol	9400	U
91-58-7	2-Chloronaphthalene	3900	U
88-74-4	2-Nitroaniline	9400	U
131-11-3	Dimethylphthalate	3900	U
208-96-8	Acenaphthylene	2700	DJ
606-20-2	2,6-Dinitrotoluene	3900	U
99-09-2	3-Nitroaniline	9400	U
83-32-9	Acenaphthene	3900	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000470

EPA SAMPLE NO.

EWT80DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856010L

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67356

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1005.0~~ 100/1/1/94

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown PAH	14.83	2100	J
2.	Unknown PAH	15.20	830	J
3.	Unknown PAH	16.18	1500	J
4.	Unknown PAH	17.12	840	J
5.	Unknown PAH	17.30	1500	J
6.	Unknown PAH	18.42	1100	J
7.	Unknown	19.22	1500	J
8.	Unknown PAH	19.63	1100	J
9.	Unknown	19.88	5000	J
10.	Unknown PAH	21.03	1600	J
11.	Unknown PAH	21.32	1000	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000492**

EPA SAMPLE NO.

EWT93

Lab Name: AATSLA Contract: 68-D3-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685602

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67347

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~0.5~~ 1.0 5/19/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
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	420	
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	90	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	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	480	
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	86	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000493**

EPA SAMPLE NO.

EWT97

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685602

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67347

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~0.5~~ 10 NJ 5/19/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/LG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	160	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	340	J
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	2300	~~E~~ NJ 5/19/94
120-12-7	Anthracene	790	
86-74-8	Carbazole	180	J
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	4500D ~~4000~~	~~E~~
129-00-0	Pyrene	3400D ~~3500~~	~~E~~
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	1800	~~E~~ NJ 5/19/94
218-01-9	Chrysene	1900	~~E~~ NJ 5/19/94
117-81-7	bis(2-Ethylhexyl)phthalate	400 ~~320~~	BJ UMC 5-2-95
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	2000	~~E~~ NJ 5/19/94
207-08-9	Benzo(k)fluoranthene	810	
50-32-8	Benzo(a)pyrene	1900	~~E~~ NJ 5/19/94
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	670	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000494**

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT93

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685602

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67347

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 300.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~10.5~~ 1 05/19/94

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.58	400	ABJ
2.	Aldol condensation	5.85	330	ABJ
3.	Unknown hydrocarbon	7.20	580	BJ
4.	Unknown hydrocarbon	10.85	260	J
5.	Unknown hydrocarbon	12.65	100	J
6. 486-25-9	9H-Fluoren-9-one	13.28	230	JN
7.	Unknown hydrocarbon	13.47	90	J
8.	Unknown hydrocarbon	14.28	390	J
9.	Unknown PAH	14.62	120	J
10.	Unknown PAH	14.67	280	J
11.	Unknown PAH	14.83	850	J
12.	Unknown PAH	15.88	1800	J
13.	Unknown PAH	16.20	830	J
14.	Unknown PAH	17.13	900	J
15.	Unknown PAH	18.43	1200	J
16.	Unknown PAH	21.07	1200	J
17.	Unknown PAH	21.37	580	J
18.	Unknown	24.68	1900	J
19.	Unknown	26.42	970	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000528

EPA SAMPLE NO.

EWT93DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685602DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67357

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 2.0 5/16/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	800	U
111-44-4	bis(2-Chloroethyl)ether	800	U
95-57-8	2-Chlorophenol	800	U
541-73-1	1,3-Dichlorobenzene	800	U
106-46-7	1,4-Dichlorobenzene	800	U
95-50-1	1,2-Dichlorobenzene	800	U
95-48-7	2-Methylphenol	800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	800	U
106-44-5	4-Methylphenol	800	U
621-64-7	N-Nitroso-di-n-propylamine	800	U
67-72-1	Hexachloroethane	800	U
98-95-3	Nitrobenzene	800	U
78-59-1	Isophorone	800	U
88-75-5	2-Nitrophenol	800	U
105-67-9	2,4-Dimethylphenol	800	U
111-91-1	bis(2-Chloroethoxy)methane	800	U
120-83-2	2,4-Dichlorophenol	800	U
120-82-1	1,2,4-Trichlorobenzene	800	U
91-20-3	Naphthalene	440	DJ
106-47-8	4-Chloroaniline	800	U
87-68-3	Hexachlorobutadiene	800	U
59-50-7	4-Chloro-3-methylphenol	800	U
91-57-6	2-Methylnaphthalene	800	U
77-47-4	Hexachlorocyclopentadiene	800	U
88-06-2	2,4,6-Trichlorophenol	800	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	800	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	800	U
208-96-8	Acenaphthylene	550	DJ
606-20-2	2,6-Dinitrotoluene	800	U
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	800	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000529

EPA SAMPLE NO.

EWT90L

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685602DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67357

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ 2.0 ~~1.0~~ 2/14/19/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	180	DJ
121-14-2	2,4-Dinitrotoluene	800	U
84-66-2	Diethylphthalate	800	U
7005-72-3	4-Chlorophenyl-phenylether	800	U
86-73-7	Fluorene	360	DJ
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	800	U
101-55-3	4-Bromophenyl-phenylether	800	U
118-74-1	Hexachlorobenzene	800	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	2500	D
120-12-7	Anthracene	880	D
86-74-8	Carbazole	190	DJ
84-74-2	Di-n-butylphthalate	800	U
206-44-0	Fluoranthene	4500	DE
129-00-0	Pyrene	3400	BDE
85-68-7	Butylbenzylphthalate	800	U
91-94-1	3,3 -Dichlorobenzidine	800	U
56-55-3	Benzo(a)anthracene	2000	D
218-01-9	Chrysene	2100	D
117-81-7	bis(2-Ethylhexyl)phthalate	~~280~~ 800	BDJ
117-84-0	Di-n-octylphthalate	800	U
205-99-2	Benzo(b)fluoranthene	2300	D
207-08-9	Benzo(k)fluoranthene	1400	D
50-32-8	Benzo(a)pyrene	2200	D
193-39-5	Indeno(1,2,3-cd)pyrene	860	D
53-70-3	Dibenz(a,h)anthracene	800	U
191-24-2	Benzo(g,h,i)perylene	780	DJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

000530

EPA SAMPLE NO.

EWT93DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685602DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67357

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~2.0~~ 1.0 5/16/94

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

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.57	480	ABJ
2.	Aldol condensation	5.85	350	ABJ
3.	Unknown hydrocarbon	7.20	600	J
4.	Unknown hydrocarbon	9.15	250	BJ
5.	Unknown hydrocarbon	9.98	340	J
6.	Unknown hydrocarbon	10.85	320	J
7.	Unknown hydrocarbon	14.28	360	J
8.	Unknown PAH	14.62	170	J
9.	Unknown PAH	14.67	250	J
10.	Unknown PAH	14.83	1200	J
11.	Unknown PAH	15.22	2400	J
12.	Unknown PAH	16.18	1200	J
13.	Unknown PAH	17.13	340	J
14.	Unknown PAH	17.32	500	J
15.	Unknown PAH	17.63	300	J
16.	Unknown	17.87	940	J
17.	Unknown PAH	18.42	510	J
18.	Unknown	18.65	260	J
19.	Unknown hydrocarbon	19.90	4500	J
20.	Unknown PAH	21.05	300	J
21.	Unknown	24.63	400	J
22.	Unknown	26.38	200	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000565**

EPA SAMPLE NO.

EWT94

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685603

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67348

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~1.5~~ 5/16/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	2100	E 5/16/94
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	1400	
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	130	J
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	2000	E 5/16/94

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000566**

EPA SAMPLE NO.

EWT94

Lab Name: AATSLA Contract: 68-D2-0020

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685603

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67348

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~ 10/19/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	1600	
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	3200	E 10/19/94
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	16000D ~~13000~~	E
120-12-7	Anthracene	6300D ~~4300~~	E
86-74-8	Carbazole	1600	
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	13000D ~~11000~~	E
129-00-0	Pyrene	9700BD ~~8300~~	BE
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	5800D ~~5900~~	E
218-01-9	Chrysene	5600D ~~4900~~	E
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~220~~	BJ
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	4200 D ~~4900~~	E
207-08-9	Benzo(k)fluoranthene	890	
50-32-8	Benzo(a)pyrene	4200 D ~~3400~~	E
193-39-5	Indeno(1,2,3-cd)pyrene	1600	E 10/19/94
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	230	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

000567

EPA SAMPLE NO.

EWT94

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685603

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67348

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown PAH	14.28	110	J
2.	Unknown PAH	14.65	170	J
3.	Unknown PAH	14.72	140	J
4.	Unknown PAH	14.77	93	J
5.	Unknown PAH	14.88	480	J
6.	Unknown PAH	15.23	260	J
7.	Unknown PAH	15.82	370	J
8.	Unknown PAH	16.95	300	J
9.	Unknown PAH	17.18	460	J
10.	Unknown PAH	17.30	390	J
11.	Unknown PAH	17.37	370	J
12.	Unknown PAH	17.60	1100	J
13.	Unknown PAH	18.37	190	J
14.	Unknown PAH	18.45	720	J
15.	Unknown PAH	19.13	280	J
16.	Unknown	19.28	400	J
17.	Unknown	19.38	480	J
18.	Unknown PAH	19.68	440	J
19.	Unknown PAH	19.98	1900	J
20.	Unknown PAH	23.55	240	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000603

EPA SAMPLE NO.

EWT94DL

Lab Name: AATSLA Contract: 68-D2-0020

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 68560TDL

Sample wt/vol: 30.0 (g/ml) G Lab File ID: 67358

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~80.0~~ 20/4/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/LG	Q
108-95-2	Phenol	3100	U
111-44-4	bis(2-Chloroethyl)ether	3100	U
95-57-8	2-Chlorophenol	3100	U
541-73-1	1,3-Dichlorobenzene	3100	U
106-46-7	1,4-Dichlorobenzene	3100	U
95-50-1	1,2-Dichlorobenzene	3100	U
95-48-7	2-Methylphenol	3100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3100	U
106-44-5	4-Methylphenol	3100	U
621-64-7	N-Nitroso-di-n-propylamine	3100	U
67-72-1	Hexachloroethane	3100	U
98-95-3	Nitrobenzene	3100	U
78-59-1	Isophorone	3100	U
88-75-5	2-Nitrophenol	3100	U
105-67-9	2,4-Dimethylphenol	3100	U
111-91-1	bis(2-Chloroethoxy)methane	3100	U
120-83-2	2,4-Dichlorophenol	3100	U
120-82-1	1,2,4-Trichlorobenzene	3100	U
91-20-3	Naphthalene	2500	DJ
106-47-8	4-Chloroaniline	3100	U
87-68-3	Hexachlorobutadiene	3100	U
59-50-7	4-Chloro-3-methylphenol	3100	U
91-57-6	2-Methylnaphthalene	1500	DJ
77-47-4	Hexachlorocyclopentadiene	3100	U
88-06-2	2,4,6-Trichlorophenol	3100	U
95-95-4	2,4,5-Trichlorophenol	7600	U
91-58-7	2-Chloronaphthalene	3100	U
88-74-4	2-Nitroaniline	7600	U
131-11-3	Dimethylphthalate	3100	U
208-96-8	Acenaphthylene	3100	U
606-20-2	2,6-Dinitrotoluene	3100	U
99-09-2	3-Nitroaniline	7600	U
83-32-9	Acenaphthene	2300	DJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000604**

EPA SAMPLE NO.

EWT94DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685603DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67358

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~8.0~~ 4.0 5/18/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	7600	U
100-02-7	4-Nitrophenol	7600	U
132-64-9	Dibenzofuran	1700	DJ
121-14-2	2,4-Dinitrotoluene	3100	U
84-66-2	Diethylphthalate	3100	U
7005-72-3	4-Chlorophenyl-phenylether	3100	U
86-73-7	Fluorene	3700	D
100-01-6	4-Nitroaniline	7600	U
534-52-1	4,6-Dinitro-2-methylphenol	7600	U
86-30-6	N-Nitrosodiphenylamine (1)	3100	U
101-55-3	4-Bromophenyl-phenylether	3100	U
118-74-1	Hexachlorobenzene	3100	U
87-86-5	Pentachlorophenol	7600	U
85-01-8	Phenanthrene	16000	D 5/18/94
120-12-7	Anthracene	5300	D
86-74-8	Carbazole	1400	DJ
84-74-2	Di-n-butylphthalate	3100	U
206-44-0	Fluoranthene	13000	D
129-00-0	Pyrene	9700	BD
85-68-7	Butylbenzylphthalate	3100	U
91-94-1	3,3'-Dichlorobenzidine	3100	U
56-55-3	Benzo(a)anthracene	5800	D
218-01-9	Chrysene	5600	D
117-81-7	bis(2-Ethylhexyl)phthalate	3100	U
117-84-0	Di-n-octylphthalate	3100	U
205-99-2	Benzo(b)fluoranthene	4200	D
207-08-9	Benzo(k)fluoranthene	3800	D
50-32-8	Benzo(a)pyrene	4200	D
193-39-5	Indeno(1,2,3-cd)pyrene	3100	U
53-70-3	Dibenz(a,h)anthracene	3100	U
191-24-2	Benzo(g,h,i)perylene	3100	U

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000632**

EPA SAMPLE NO.

EWT95

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 985604

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67349

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~0.5~~ 20/19/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	83	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	110	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000605**

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT940L

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 68560JDL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67358

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 80 ~~1.0~~ 5/19/94

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

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown PAH	9.48	700	J
2.	Unknown PAH	14.62	640	J
3.	Unknown PAH	14.67	720	J
4.	Unknown PAH	14.83	1800	J
5.	Unknown PAH	17.12	1100	J
6.	Unknown PAH	17.25	870	J
7.	Unknown PAH	18.40	870	J
8.	Unknown	19.92	890	J
9.	Unknown	20.27	1100	J
10.	Unknown PAH	20.57	940	J
11.	Unknown PAH	21.02	1700	J
12.	Unknown PAH	21.19	1000	J
13.	Unknown PAH	21.30	2400	J
14.	Unknown	21.75	5900	J
15.	Unknown PAH	23.18	1900	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000634**

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT95

Lab Name: AATSLA Contract: 68-D2-0029

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW4e

Matrix: (soil/water) SOIL Lab Sample ID: 685604

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67349

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (ul.) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown hydrocarbon	9.15	670	J
2.	Unknown hydrocarbon	9.60	460	J
3.	Unknown hydrocarbon	9.98	190	J
4.	Unknown aromatic	10.13	270	J
5.	Unknown hydrocarbon	10.52	220	J
6. 10423-90-8	Benzene, 1-isopentyl-2,4,5-t	10.68	170	JN
7.	Unknown hydrocarbon	10.87	270	J
8.	Unknown hydrocarbon	12.17	350	J
9.	Unknown hydrocarbon	12.67	860	J
10.	Unknown hydrocarbon	13.07	910	J
11.	Unknown hydrocarbon	13.47	250	J
12.	Unknown hydrocarbon	13.55	320	J
13.	Unknown hydrocarbon	14.30	1800	J
14.	Unknown PAH	14.85	1000	J
15.	Unknown hydrocarbon	15.10	2800	J
16.	Unknown hydrocarbon	15.88	510	J
17.	Unknown hydrocarbon	17.32	830	J
18.	Unknown hydrocarbon	18.67	86	J
19.	Unknown	19.85	270	J
20.	Unknown acid	20.18	620	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000633**

EPA SAMPLE NO.

EWT95

Lab Name: AATSLA Contract: 68-D2-0039

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685604

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67349

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ 2.5 5/17/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	98	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	160	J
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	360	J
86-74-8	Carbazole	140	J
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	1700	B
129-00-0	Pyrene	1400	B
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	750	
218-01-9	Chrysene	800	
117-81-7	bis(2-Ethylhexyl)phthalate	39~~180~~	BJ
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	630	
207-08-9	Benzo(k)fluoranthene	530	
50-32-8	Benzo(a)pyrene	740	
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	180	J

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

000669

EWT90

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685605

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67350

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~0.5~~ 1.5 5/19/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	150	J
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	250	J
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	1900	E 5/19/94
120-12-7	Anthracene	740	
86-74-8	Carbazole	160	J
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	4100D ~~3000~~	~~E~~
129-00-0	Pyrene	3000	B E 5/19/94
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	2100	E 5/19/94
218-01-9	Chrysene	2000	E
117-81-7	bis(2-Ethylhexyl)phthalate	1100	B
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	2400	E 5/19/94
207-08-9	Benzo(k)fluoranthene	1000	
50-32-8	Benzo(a)pyrene	1800	E 5/19/94
193-39-5	Indeno(1,2,3-cd)pyrene	1000	
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	120	J

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000668

EPA SAMPLE NO.

EWT96

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685605

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67350

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~0.5~~ 05/16/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	590	
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	100	J
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	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	750	
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000670

EPA SAMPLE NO.

EWT96

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685605

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67350

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~ 2/8/19/01

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.58	590	ABJ
2.	Aldol condensation	5.85	270	ABJ
3.	Unknown hydrocarbon	7.20	660	BJ
4.	Unknown hydrocarbon	9.00	180	J
5.	Unknown hydrocarbon	10.52	200	J
6.	Unknown hydrocarbon	10.83	360	J
7.	Unknown	11.10	140	J
8.	Unknown PAH	13.28	99	J
9.	Unknown PAH	14.27	120	J
10.	Unknown PAH	14.67	180	J
11.	Unknown PAH	14.83	520	J
12.	Unknown PAH	15.22	1500	J
13.	Unknown PAH	16.20	750	J
14.	Unknown	17.88	330	J
15.	Unknown PAH	18.45	350	J
16.	Unknown PAH	21.07	580	J
17.	Unknown hydrocarbon	22.15	1300	J
18.	Unknown	23.45	1000	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000704

EPA SAMPLE NO.

EWT96DL

Lab Name: AATSLA Contract: 68-D2-0020

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856050L

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67359

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~2.0~~ 1.0 5/9/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	820	U
111-44-4	bis(2-Chloroethyl)ether	820	U
95-57-8	2-Chlorophenol	820	U
541-73-1	1,3-Dichlorobenzene	820	U
106-46-7	1,4-Dichlorobenzene	820	U
95-50-1	1,2-Dichlorobenzene	820	U
95-48-7	2-Methylphenol	820	U
108-60-1	2,2'-oxybis(1-Chloropropane)	820	U
106-44-5	4-Methylphenol	820	U
621-64-7	N-Nitroso-di-n-propylamine	820	U
67-72-1	Hexachloroethane	820	U
98-95-3	Nitrobenzene	820	U
78-59-1	Isophorone	820	U
88-75-5	2-Nitrophenol	820	U
105-67-9	2,4-Dimethylphenol	820	U
111-91-1	bis(2-Chloroethoxy)methane	820	U
120-83-2	2,4-Dichlorophenol	820	U
120-82-1	1,2,4-Trichlorobenzene	820	U
91-20-3	Naphthalene	600	DJ
106-47-8	4-Chloroaniline	820	U
87-68-3	Hexachlorobutadiene	820	U
59-50-7	4-Chloro-3-methylphenol	820	U
91-57-6	2-Methylnaphthalene	820	U
77-47-4	Hexachlorocyclopentadiene	820	U
88-06-2	2,4,6-Trichlorophenol	820	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	820	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	820	U
208-96-8	Acenaphthylene	770	DJ
606-20-2	2,6-Dinitrotoluene	820	U
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	820	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000705

EPA SAMPLE NO.

EWT96DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685605DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67359

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 2.0 ~~1.0~~ 2g/1/19/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	150	DJ
121-14-2	2,4-Dinitrotoluene	820	U
84-66-2	Diethylphthalate	820	U
7005-72-3	4-Chlorophenyl-phenylether	820	U
86-73-7	Fluorene	250	DJ
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	820	U
101-55-3	4-Bromophenyl-phenylether	820	U
118-74-1	Hexachlorobenzene	820	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	2000	D
120-12-7	Anthracene	750	DJ
86-74-8	Carbazole	820	U
84-74-2	Di-n-butylphthalate	820	U
206-44-0	Fluoranthene	4100	DE
129-00-0	Pyrene	3000	BD
85-68-7	Butylbenzylphthalate	820	U
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)anthracene	2000	D
218-01-9	Chrysene	2000	D
117-81-7	bis(2-Ethylhexyl)phthalate	1200	BD
117-84-0	Di-n-octylphthalate	820	U
205-99-2	Benzo(b)fluoranthene	2400	D
207-08-9	Benzo(k)fluoranthene	1500	D
50-32-8	Benzo(a)pyrene	1900	D
193-39-5	Indeno(1,2,3-cd)pyrene	840	D
53-70-3	Dibenz(a,h)anthracene	820	U
191-24-2	Benzo(g,h,i)perylene	1100	D

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000706

EPA SAMPLE NO.

EWT96DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685605DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67359

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~2.0~~ 1.0 JB 5/19/94

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.57	700	ABJ
2.	Aldol condensation	5.85	280	ABJ
3.	Unknown hydrocarbon	7.20	690	BJ
4.	Unknown	7.40	250	J
5.	Unknown hydrocarbon	9.00	220	J
6.	Unknown hydrocarbon	9.28	180	J
7.	Unknown hydrocarbon	10.52	170	J
8.	Unknown hydrocarbon	10.83	370	J
9.	Unknown PAH	13.28	180	J
10.	Unknown PAH	14.67	200	J
11.	Unknown PAH	14.83	3000	J
12.	Unknown PAH	16.18	630	J
13.	Unknown	17.87	920	J
14.	Unknown hydrocarbon	19.90	2500	J
15.	Unknown hydrocarbon	20.48	1200	J
16.	Unknown PAH	21.03	1200	J
17.	Unknown	22.15	1700	J
18.	Unknown	26.15	1700	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000737

EPA SAMPLE NO.

EWT97

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685606

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67351

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 22 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~3.3~~ 5/19/94

GPC Cleanup: (Y/N) Y pH: 10.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	240	J
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	310	J
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	120	J
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	100	J-

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000738

EPA SAMPLE NO.

EWT97

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685606

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67351

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 22 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.5~~ 10/4/94

GPC Cleanup: (Y/N) Y pH: 10.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	220	J
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	260	J
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	2200	~~E~~ N 10/4/94
120-12-7	Anthracene	710	
86-74-8	Carbazole	340	J
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	2500	~~E~~ 10/4/94
129-00-0	Pyrene	1900	BE
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	470	B
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	640	
50-32-8	Benzo(a)pyrene	990	
193-39-5	Indeno(1,2,3-cd)pyrene	420	J
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	110	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000739

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT97

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685606

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67351

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 22 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0 0.5~~ 1.0 04/19/94

GPC Cleanup: (Y/N) Y pH: 10.3

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	3.98	850	AJ
2.	Unknown hydrocarbon	12.67	980	J
3.	Unknown	13.30	1800	J
4.	Unknown hydrocarbon	14.32	4300	J
5.	Unknown hydrocarbon	15.90	5900	J
6.	Unknown	17.18	3400	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

000760

EWT98

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685607

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67355

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~0.5~~ 1.0 05/16/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	450	
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	150	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	120	J
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	240	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

000761

EWT98

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685607

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67355

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~0.5~~ 5/16/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	150	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	300	J
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	2900	E 5/16/94
120-12-7	Anthracene	710	
86-74-8	Carbazole	320	J
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	5300 D ~~4500~~	E 5/16/94
129-00-0	Pyrene	3900BD ~~3500~~	BE
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	2200	E 5/16/94
218-01-9	Chrysene	2500	E 5/16/94
117-81-7	bis(2-Ethylhexyl)phthalate	390 310	BJ 5-25-94
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	3200	E 5/16/94
207-08-9	Benzo(k)fluoranthene	840	
50-32-8	Benzo(a)pyrene	1900	E 5/16/94
193-39-5	Indeno(1,2,3-cd)pyrene	770	
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	380	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000762

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT98

Lab Name: BATSLA Contract: 68-D2-0028

Lab Code: BATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685607

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67355

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~0.5~~ 2 5/16/94

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.58	420	ABJ
2.	Aldol condensation	5.85	120	ABJ
3.	Aldol condensation	6.13	120	AJ
4.	Unknown hydrocarbon	6.37	220	J
5.	Unknown hydrocarbon	7.20	850	BJ
6.	Unknown hydrocarbon	7.43	420	J
7.	Unknown hydrocarbon	9.00	240	J
8.	Unknown hydrocarbon	9.18	110	J
9.	Unknown hydrocarbon	9.22	91	J
10.	Unknown hydrocarbon	9.37	120	J
11.	Unknown PAH	9.48	100	J
12.	Unknown hydrocarbon	9.98	180	J
13.	Unknown PAH	10.43	220	J
14.	Unknown hydrocarbon	10.83	450	J
15.	Unknown hydrocarbon	11.22	160	J
16.	Unknown PAH	11.33	230	J
17.	Unknown	12.07	160	J
18.	Unknown hydrocarbon	12.60	99	J
19.	Unknown hydrocarbon	12.72	83	J
20. 132-65-0	Dibenzothiophene	13.45	110	JN
21.	Unknown hydrocarbon	14.30	96	J
22.	Unknown PAH	14.68	170	J
23.	Unknown PAH	14.85	710	J
24.	Unknown PAH	17.13	130	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWW50

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 685611

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 67169

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 04/20/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	17.63	4	BJ

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000841 EPA SAMPLE NO.

EWX82

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685609

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67353

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.5~~

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	270	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	140	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	240	J
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	110	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000842 EPA SAMPLE NO.

EWX82

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685609

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67353

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~2.5~~ 1.0 5/18/94

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

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

CAS NO.	COMPOUND	Q
51-28-5	2,4-Dinitrophenol	950 U
100-02-7	4-Nitrophenol	950 U
132-64-9	Dibenzofuran	100 J
121-14-2	2,4-Dinitrotoluene	390 U
84-66-2	Diethylphthalate	390 U
7005-72-3	4-Chlorophenyl-phenylether	390 U
86-73-7	Fluorene	140 J
100-01-6	4-Nitroaniline	950 U
534-52-1	4,6-Dinitro-2-methylphenol	950 U
86-30-6	N-Nitrosodiphenylamine (1)	390 U
101-55-3	4-Bromophenyl-phenylether	390 U
118-74-1	Hexachlorobenzene	390 U
87-86-5	Pentachlorophenol	950 U
85-01-8	Phenanthrene	1300
120-12-7	Anthracene	360 J
86-74-8	Carbazole	110 J
84-74-2	Di-n-butylphthalate	85 J
206-44-0	Fluoranthene	2200 ~~E~~ 5/18/94
129-00-0	Pyrene	1800 ~~BE~~
85-68-7	Butylbenzylphthalate	390 U
91-94-1	3,3'-Dichlorobenzidine	390 U
56-55-3	Benzo(a)anthracene	1100
218-01-9	Chrysene	1200
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~390~~ BJU MC 5-25-94
117-84-0	Di-n-octylphthalate	390 U
205-99-2	Benzo(b)fluoranthene	1500
207-08-9	Benzo(k)fluoranthene	760
50-32-8	Benzo(a)pyrene	1200
193-39-5	Indeno(1,2,3-cd)pyrene	500
53-70-3	Dibenz(a,h)anthracene	390 U
191-24-2	Benzo(g,h,i)perylene	350 J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000843

EPA SAMPLE NO.

EWX82

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685609

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67353

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.60	580	ABJ
2.	Aldol condensation	5.87	200	ABJ
3.	Aldol condensation	6.13	130	AJ
4.	Aldol condensation	6.37	190	AJ
5.	Unknown hydrocarbon	7.20	910	J
6.	Unknown	7.43	350	J
7.	Unknown hydrocarbon	7.68	94	J
8.	Unknown hydrocarbon	8.72	91	J
9.	Unknown hydrocarbon	9.00	170	J
10.	Unknown hydrocarbon	9.15	130	J
11.	Unknown hydrocarbon	9.98	180	J
12.	Unknown PAH	10.27	85	J
13.	Unknown PAH	10.43	230	J
14.	Unknown hydrocarbon	10.52	87	J
15.	Unknown hydrocarbon	10.85	260	J
16.	Unknown PAH	11.33	270	J
17.	Unknown PAH	11.53	84	J
18.	Unknown hydrocarbon	11.73	290	J
19.	Unknown hydrocarbon	12.17	110	J
20.	Unknown hydrocarbon	12.62	410	J
21.	Unknown acid	13.15	120	J
22.	Unknown hydrocarbon	13.47	210	J
23.	Unknown hydrocarbon	14.30	110	J
24.	Unknown PAH	14.62	88	J
25.	Unknown PAH	14.67	210	J
26.	Unknown PAH	14.83	2400	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000802

EPA SAMPLE NO.

EWT98DL

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 686507DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67387

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/94

Injection Volume: 2.0(uL) Dilution Factor: ~~20.0~~ 10.0 5/18/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	210	DJ
121-14-2	2,4-Dinitrotoluene	790	U
84-66-2	Diethylphthalate	790	U
7005-72-3	4-Chlorophenyl-phenylether	790	U
86-73-7	Fluorene	310	DJ
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	790	U
101-55-3	4-Bromophenyl-phenylether	790	U
118-74-1	Hexachlorobenzene	790	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	3300	~~DE~~ D 5/18/94
120-12-7	Anthracene	750	DJ
86-74-8	Carbazole	340	DJ
84-74-2	Di-n-butylphthalate	790	U
206-44-0	Fluoranthene	5300	~~DE~~ D 5/18/94
129-00-0	Pyrene	3900	~~BDE~~ BD 5/18/94
85-68-7	Butylbenzylphthalate	790	U
91-94-1	3,3'-Dichlorobenzidine	790	U
56-55-3	Benzo(a)anthracene	2300	D
218-01-9	Chrysene	2600	D
117-81-7	bis(2-Ethylhexyl)phthalate	790 ~~250~~	BDJ U MK 5-25-94
117-84-0	Di-n-octylphthalate	790	U
205-99-2	Benzo(b)fluoranthene	2600	D
207-08-9	Benzo(k)fluoranthene	1500	D
50-32-8	Benzo(a)pyrene	2200	D
193-39-5	Indeno(1,2,3-cd)pyrene	1400	D
53-70-3	Dibenz(a,h)anthracene	790	U
191-24-2	Benzo(g,h,i)perylene	730	DJ

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000801**

EPA SAMPLE NO.

EWT98DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 686507DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67387

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/94

Injection Volume: 2.0(uL) Dilution Factor: 2.0 ~~10~~ 10/19/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	790	U
111-44-4	bis(2-Chloroethyl)ether	790	U
95-57-8	2-Chlorophenol	790	U
541-73-1	1,3-Dichlorobenzene	790	U
106-46-7	1,4-Dichlorobenzene	790	U
95-50-1	1,2-Dichlorobenzene	790	U
95-48-7	2-Methylphenol	790	U
108-60-1	2,2'-oxybis(1-Chloropropane)	790	U
106-44-5	4-Methylphenol	790	U
621-64-7	N-Nitroso-di-n-propylamine	790	U
67-72-1	Hexachloroethane	790	U
98-95-3	Nitrobenzene	790	U
78-59-1	Isophorone	790	U
88-75-5	2-Nitrophenol	790	U
105-67-9	2,4-Dimethylphenol	790	U
111-91-1	bis(2-Chloroethoxy)methane	790	U
120-83-2	2,4-Dichlorophenol	790	U
120-82-1	1,2,4-Trichlorobenzene	790	U
91-20-3	Naphthalene	470	DJ
106-47-8	4-Chloroaniline	790	U
87-68-3	Hexachlorobutadiene	790	U
59-50-7	4-Chloro-3-methylphenol	790	U
91-57-6	2-Methylnaphthalene	790	U
77-47-4	Hexachlorocyclopentadiene	790	U
88-06-2	2,4,6-Trichlorophenol	790	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	790	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	790	U
208-96-8	Acenaphthylene	790	U
606-20-2	2,6-Dinitrotoluene	790	U
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	240	DJ

1L

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000835 EPA SAMPLE NO.

EWW50

Lab Name: BATSLA Contract: 68-02-0028

Lab Code: BATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 685611

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 67169

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 04/20/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/L	Q	
51-28-5	2,4-Dinitrophenol	25	U J	unk
100-02-7	4-Nitrophenol	25	U	
132-64-9	Dibenzofuran	10	U	
121-14-2	2,4-Dinitrotoluene	10	U	
84-66-2	Diethylphthalate	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
86-73-7	Fluorene	10	U	
100-01-6	4-Nitroaniline	25	U	
534-52-1	4,6-Dinitro-2-methylphenol	25	U J	unk
86-30-6	N-Nitrosodiphenylamine (1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	25	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
86-74-8	Carbazole	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	10	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
56-55-3	Benzo(a)anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~5~~	BJU	MK 5-27-94
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo(b)fluoranthene	10	U	
207-08-9	Benzo(k)fluoranthene	10	U J	unk
50-32-8	Benzo(a)pyrene	10	U	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	
53-70-3	Dibenz(a,h)anthracene	10	U	
191-24-2	Benzo(g,h,i)perylene	10	U	

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000834**

EPA SAMPLE NO.

EWW50

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 685611

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 67169

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: _____ decanted: (Y/N) ____ Date Extracted: 04/20/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000829

EPA SAMPLE NO.

EWW49

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 681202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 66957

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 04/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U J unk
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 0008294

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWW49

Lab Name: AATSLA Contract: 68-D2-0038

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 681202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 66957

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: ____ decanted: (Y/N) ____ Date Extracted: 04/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown column bleed	23.25	2	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000803

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWT98DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 686507DL

Sample wt/vol: 30.0 (g/ml) G Lab File ID: 67387

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 16 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/17/94

Injection Volume: 2.0(uL) Dilution Factor: 2.0 ~~1.0~~ 05/19/94

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.52	560	ABJ
2.	Aldol condensation	6.33	260	AJ
3.	Unknown hydrocarbon	7.17	1100	J
4.	Unknown	7.40	520	J
5.	Unknown hydrocarbon	8.97	360	J
6.	Unknown hydrocarbon	9.08	210	J
7.	Unknown hydrocarbon	9.27	460	J
8.	Unknown hydrocarbon	10.80	390	J
9.	Unknown PAH	14.03	280	J
10.	Unknown PAH	14.80	1400	J
11.	Unknown PAH	17.07	250	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000828**

EPA SAMPLE NO.

EWW49

Lab Name: AATSLA Contract: 68-D2-0029

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 681202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 66957

Level: (low/med) LOW Date Received: 04/13/94

% Moisture: _____ decanted: (Y/N) ____ Date Extracted: 04/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000986**

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWX87DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681208DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67403

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: ~~20~~ 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	14.82	1200	J
2.	Unknown hydrocarbon	15.85	190	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **001002**

EPA SAMPLE NO.

EWX88

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685610

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67354

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 14 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ 1.25 5/16/94

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	94	J
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	930	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	88	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **001003**

EPA SAMPLE NO.

EWX88

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685610

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67354

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 14 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ ~~1.5~~ 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	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	89	J
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	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	930	U
85-01-8	Phenanthrene	920	
120-12-7	Anthracene	200	J
86-74-8	Carbazole	110	J
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	1600	B
129-00-0	Pyrene	1300	B
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3 -Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	910	
218-01-9	Chrysene	1000	
117-81-7	bis(2-Ethylhexyl)phthalate	380 ~~86~~	BJU
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	1400	
207-08-9	Benzo(k)fluoranthene	640	
50-32-8	Benzo(a)pyrene	900	
193-39-5	Indeno(1,2,3-cd)pyrene	430	
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	270	J

(1) - Cannot be separated from Diphenylamine

MLK 5/26/94

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

001004

EPA SAMPLE NO.

EW188

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 685610

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67354

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 14 decanted: (Y/N) N Date Extracted: 04/19/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/16/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ 5 7/14/94

GPC Cleanup: (Y/N) Y pH: 8.8

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.62	880	ABJ
2.	Aldol condensation	5.87	300	ABJ
3.	Aldol condensation	6.15	170	AJ
4.	Unknown hydrocarbon	7.22	790	J
5.	Unknown hydrocarbon	8.47	170	J
6.	Unknown hydrocarbon	9.00	150	J
7.	Unknown hydrocarbon	9.15	260	J
8.	Unknown hydrocarbon	9.30	160	J
9.	Unknown hydrocarbon	9.37	150	J
10.	Unknown hydrocarbon	9.98	300	J
11.	Unknown hydrocarbon	10.52	230	J
12.	Unknown hydrocarbon	10.85	350	J
13.	Unknown PAH	11.33	210	J
14.	Unknown hydrocarbon	11.73	210	J
15.	Unknown hydrocarbon	12.17	240	J
16.	Unknown hydrocarbon	12.62	130	J
17.	Unknown hydrocarbon	12.67	290	J
18.	Unknown	13.30	440	J
19.	Unknown hydrocarbon	13.47	100	J
20.	Unknown hydrocarbon	13.55	130	J
21.	Unknown hydrocarbon	14.30	180	J
22.	Unknown PAH	14.68	280	J
23.	Unknown	14.85	2000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

~~001041~~

EWX89

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW4e

Matrix: (soil/water) SOIL Lab Sample ID: 681209

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67398

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 37 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~1.5~~ 5/18/94

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1300	U	
100-02-7	4-Nitrophenol	1300	U	
132-64-9	Dibenzofuran	520	U	
121-14-2	2,4-Dinitrotoluene	520	U	
84-66-2	Diethylphthalate	520	U	
7005-72-3	4-Chlorophenyl-phenylether	520	U	
86-73-7	Fluorene	520	U	
100-01-6	4-Nitroaniline	1300	U	
534-52-1	4,6-Dinitro-2-methylphenol	1300	U	
86-30-6	N-Nitrosodiphenylamine (1)	520	U	
101-55-3	4-Bromophenyl-phenylether	520	U	
118-74-1	Hexachlorobenzene	520	U	
87-86-5	Pentachlorophenol	1300	U	
85-01-8	Phenanthrene	340	J	
120-12-7	Anthracene	520	U	
86-74-8	Carbazole	520	U	
84-74-2	Di-n-butylphthalate	520	U	
206-44-0	Fluoranthene	460	J	
129-00-0	Pyrene	420	J	
85-68-7	Butylbenzylphthalate	520	U	
91-94-1	3,3 -Dichlorobenzidine	520	U	J mrk
56-55-3	Benzo(a)anthracene	260	J	
218-01-9	Chrysene	420	J	
117-81-7	bis(2-Ethylhexyl)phthalate	520 ~~260~~	BJ	U mrk 5/26/94
117-84-0	Di-n-octylphthalate	520	U	
205-99-2	Benzo(b)fluoranthene	330	J	
207-08-9	Benzo(k)fluoranthene	240	J	J mrk
50-32-8	Benzo(a)pyrene	280	J	
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	
53-70-3	Dibenz(a,h)anthracene	520	U	
191-24-2	Benzo(g,h,i)perylene	520	U	

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001040
EWX89

Lab Name: AATSLA Contract: 68-D2-0023

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681297

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67398

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 37 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.5~~

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl)ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-di-n-propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	bis(2-Chloroethoxy)methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	150	J
106-47-8	4-Chloroaniline	520	U J unk
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-methylphenol	520	U
91-57-6	2-Methylnaphthalene	150	J
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	520	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
~~001042~~
EWX89

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681209

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67398

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 37 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ 5/24/94

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.20	310	AJ
2.	Aldol condensation	5.62	2200	AJ
3.	Aldol condensation	6.12	220	AJ
4.	Unknown hydrocarbon	7.18	610	J
5.	Unknown acid	13.73	820	J
6.	Unknown acid	14.53	480	J
7. 57-10-3	Hexadecanoic acid	14.90	5900	JN
8.	Unknown	15.22	1600	J
9.	Unknown acid	15.33	1100	J
10.	Unknown	15.55	2100	J
11.	Unknown acid	16.30	280	J
12.	Unknown	17.03	150	J
13. 53-19-0	Mitotane	17.42	110	JN
14.	Unknown	17.80	450	J
15. 629-78-7	Heptadecane	19.88	750	JN
16.	Unknown	20.73	240	J
17.	Unknown hydrocarbon	21.05	1100	J
18.	Unknown hydrocarbon	22.13	230	J
19.	Unknown	22.28	500	J
20.	Unknown hydrocarbon	22.93	160	J
21.	Unknown	23.42	720	J
22.	Unknown	24.88	160	J
23.	Unknown	25.77	300	J

2E
WATER PESTICIDE SURROGATE RECOVERY

001241

Lab Name: AATSLA Contract: 68-D2-0028

ab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

GC Column(1): RTX-35 ID: 0.53(mm) GC Column(2): RTX-1701 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	PBLK1	132	134	135	142			0
02	PBLK3	100	104	78	112			0
03	EWW49	113	109	131	111			0
04	EWW50	113	111	88	84			0

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000884**

EPA SAMPLE NO.

EWX84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681203

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67392

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 13 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: ~~2.5~~ 1.0 5/19/94

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	550 J
111-44-4	bis(2-Chloroethyl)ether	760 U
95-57-8	2-Chlorophenol	760 U
541-73-1	1,3-Dichlorobenzene	760 U
106-46-7	1,4-Dichlorobenzene	570 J
95-50-1	1,2-Dichlorobenzene	760 U
95-48-7	2-Methylphenol	760 U
108-60-1	2,2'-oxybis(1-Chloropropane)	760 U
106-44-5	4-Methylphenol	760 U
621-64-7	N-Nitroso-di-n-propylamine	760 U
67-72-1	Hexachloroethane	760 U
98-95-3	Nitrobenzene	760 U
78-59-1	Isophorone	760 U
88-75-5	2-Nitrophenol	760 U
105-67-9	2,4-Dimethylphenol	760 U
111-91-1	bis(2-Chloroethoxy)methane	760 U
120-83-2	2,4-Dichlorophenol	760 U
120-82-1	1,2,4-Trichlorobenzene	760 U
91-20-3	Naphthalene	840
106-47-8	4-Chloroaniline	760 U J
87-68-3	Hexachlorobutadiene	760 U
59-50-7	4-Chloro-3-methylphenol	760 U
91-57-6	2-Methylnaphthalene	870
77-47-4	Hexachlorocyclopentadiene	760 U
88-06-2	2,4,6-Trichlorophenol	760 U
95-95-4	2,4,5-Trichlorophenol	1800 U
91-58-7	2-Chloronaphthalene	760 U
88-74-4	2-Nitroaniline	1800 U
131-11-3	Dimethylphthalate	760 U
208-96-8	Acenaphthylene	760 U
606-20-2	2,6-Dinitrotoluene	760 U
99-09-2	3-Nitroaniline	1800 U
83-32-9	Acenaphthene	270 J

unit

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000885

EPA SAMPLE NO.

EWX84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681203

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67392

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 13 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~ 10/14/94

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

CAS No.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	370	J
121-14-2	2,4-Dinitrotoluene	760	U
84-66-2	Diethylphthalate	760	U
7005-72-3	4-Chlorophenyl-phenylether	760	U
86-73-7	Fluorene	400	J
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	760	U
101-55-3	4-Bromophenyl-phenylether	760	U
118-74-1	Hexachlorobenzene	760	U
87-86-5	Pentachlorophenol	1800	U J
85-01-8	Phenanthrene	470	J
120-12-7	Anthracene	490	J
86-74-8	Carbazole	380	J
84-74-2	Di-n-butylphthalate	760	U
206-44-0	Fluoranthene	2400	
129-00-0	Pyrene	2000	J
85-68-7	Butylbenzylphthalate	5600	~~E~~ 10/14/94
91-94-1	3,3 -Dichlorobenzidine	760	U J work
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1500	
117-81-7	bis(2-Ethylhexyl)phthalate	2200	B
117-84-0	Di-n-octylphthalate	760	U
205-99-2	Benzo(b)fluoranthene	960	
207-08-9	Benzo(k)fluoranthene	1100	J work
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	860	
53-70-3	Dibenz(a,h)anthracene	760	U
191-24-2	Benzo(g,h,i)perylene	1000	

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000904

EPA SAMPLE NO.

EWX85

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681206

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67395

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~ 1 5/18/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	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	360	J
106-47-8	4-Chloroaniline	370	U J unk
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	190	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	110	J
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	370	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

000886

EPA SAMPLE NO.

EWX84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 31882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681203

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67392

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 13 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(ul) Dilution Factor: ~~1.0~~ 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown hydrocarbon	13.52	1500	J
2.	Unknown hydrocarbon	20.08	150000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000905

EPA SAMPLE NO.

EWX85

Lab Name: AATSLA Contract: 68-D2-0020

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681206

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67395

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 19 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~ 2/8/9/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	90	J
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	92	J
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	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	890	U
85-01-8	Phenanthrene	990	
120-12-7	Anthracene	220	J
86-74-8	Carbazole	99	J
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	1600	E 2/8/9/94
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U J unk
56-55-3	Benzo(a)anthracene	740	
218-01-9	Chrysene	860	
117-81-7	bis(2-Ethylhexyl)phthalate	~~210~~ 370	BJU unk 5/25/95
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	920	
207-08-9	Benzo(k)fluoranthene	1100	J unk
50-32-8	Benzo(a)pyrene	760	
193-39-5	Indeno(1,2,3-cd)pyrene	360	J
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	210	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000906**

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWX05

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21887 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681206

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67395

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0 9.5~~ 2.5/1/94

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown hydrocarbon	14.27	740	J
2.	Unknown PAH	14.83	1200	J
3.	Unknown hydrocarbon	15.85	5000	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000923

EPA SAMPLE NO.

EWx86

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681207

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67796

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0 (uL) Dilution Factor: ~~1.0~~ 1.5 5/18/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	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	300	J
106-47-8	4-Chloroaniline	370	U J unk
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	250	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	370	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000924

EPA SAMPLE NO.

EWX8o

Lab Name: BATSLA Contract: 68-D2-0028

Lab Code: BATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681207

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67096

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~0.5~~ 1/18/94

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	81	J
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	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	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	890	U
85-01-8	Phenanthrene	850	
120-12-7	Anthracene	180	J
86-74-8	Carbazole	94	J
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	890	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3 -Dichlorobenzidine	370	U J unk
56-55-3	Benzo(a)anthracene	570	
218-01-9	Chrysene	680	
117-81-7	bis(2-Ethylhexyl)phthalate	370 ~~120~~	BJU mk 5-26-94
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	680	
207-08-9	Benzo(k)fluoranthene	800	J unk
50-32-8	Benzo(a)pyrene	420	
193-39-5	Indeno(1,2,3-cd)pyrene	210	J
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000962

EPA SAMPLE NO.

EWX87

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: ____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681208

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67397

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.5~~ 2.5/1/94

GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION 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	400	
106-47-8	4-Chloroaniline	370	U J undo
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	190	J
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	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	470	
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	150	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000925

EPA SAMPLE NO.

EWx86

Lab Name: AATSLA Contract: 68-02-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681207

Sample wt/vol: 30.0 (g/ml) G Lab File ID: 67396

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.5~~ 2/5/1994

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

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol condensation	5.55	670	ABJ
2.	Aldol condensation	5.80	150	ABJ
3.	Aldol condensation	6.10	150	AJ
4.	Unknown hydrocarbon	7.17	530	BJ
5.	Unknown hydrocarbon	7.22	180	J
6.	Unknown hydrocarbon	7.40	340	BJ
7.	Unknown hydrocarbon	8.98	180	J
8.	Unknown hydrocarbon	9.13	150	J
9.	Unknown PAH	9.47	130	J
10.	Unknown hydrocarbon	9.75	210	J
11.	Unknown PAH	10.38	310	J
12.	Unknown hydrocarbon	10.83	370	J
13.	Unknown hydrocarbon	11.70	270	J
14.	Unknown PAH	11.88	160	J
15.	Unknown hydrocarbon	12.58	360	J
16.	Unknown hydrocarbon	12.63	130	J
17.	Unknown hydrocarbon	12.70	120	J
18.	Unknown	12.97	160	J
19.	Unknown PAH	13.18	210	J
20.	Unknown hydrocarbon	13.43	130	J
21.	Unknown hydrocarbon	14.27	520	J
22.	Unknown PAH	14.83	600	J
23.	Unknown hydrocarbon	15.85	500	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000984**

EPA SAMPLE NO.

EWX87DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: FWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681208DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67403

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: ~~1.0~~ 2.0 5/18/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	740	U
111-44-4	bis(2-Chloroethyl)ether	740	U
95-57-8	2-Chlorophenol	740	U
541-73-1	1,3-Dichlorobenzene	740	U
106-46-7	1,4-Dichlorobenzene	740	U
95-50-1	1,2-Dichlorobenzene	740	U
95-48-7	2-Methylphenol	740	U
108-60-1	2,2'-oxybis(1-Chloropropane)	740	U
106-44-5	4-Methylphenol	740	U
621-64-7	N-Nitroso-di-n-propylamine	740	U
67-72-1	Hexachloroethane	740	U
98-95-3	Nitrobenzene	740	U
78-59-1	Isophorone	740	U
88-75-5	2-Nitrophenol	740	U
105-67-9	2,4-Dimethylphenol	740	U
111-91-1	bis(2-Chloroethoxy)methane	740	U
120-83-2	2,4-Dichlorophenol	740	U
120-82-1	1,2,4-Trichlorobenzene	740	U
91-20-3	Naphthalene	380	DJ
106-47-8	4-Chloroaniline	740	U J
87-68-3	Hexachlorobutadiene	740	U
59-50-7	4-Chloro-3-methylphenol	740	U
91-57-6	2-Methylnaphthalene	180	DJ
77-47-4	Hexachlorocyclopentadiene	740	U
88-06-2	2,4,6-Trichlorophenol	740	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	740	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	740	U
208-96-8	Acenaphthylene	450	DJ
606-20-2	2,6-Dinitrotoluene	740	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	740	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000985**

EPA SAMPLE NO.

EWX87DL

Lab Name: AATSLA Contract: 68-D2-0020

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681208DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67403

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: ~~2.0~~ 2.5 5/18/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	740	U
121-14-2	2,4-Dinitrotoluene	740	U
84-66-2	Diethylphthalate	740	U
7005-72-3	4-Chlorophenyl-phenylether	740	U
86-73-7	Fluorene	160	DJ
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	740	U
101-55-3	4-Bromophenyl-phenylether	740	U
118-74-1	Hexachlorobenzene	740	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	1500	D
120-12-7	Anthracene	530	DJ
86-74-8	Carbazole	740	U
84-74-2	Di-n-butylphthalate	740	U
206-44-0	Fluoranthene	3500	D ~~E~~ 5/18/94
129-00-0	Pyrene	2600	D
85-68-7	Butylbenzylphthalate	740	U
91-94-1	3,3 -Dichlorobenzidine	740	U J unk
56-55-3	Benzo(a)anthracene	2200	D
218-01-9	Chrysene	2500	D
117-81-7	bis(2-Ethylhexyl)phthalate	740 ~~520~~	BDJ unk 5-26-94
117-84-0	Di-n-octylphthalate	740	U
205-99-2	Benzo(b)fluoranthene	4200	D ~~E~~ 5/18/94
207-08-9	Benzo(k)fluoranthene	1500	D J unk
50-32-8	Benzo(a)pyrene	3000	D
193-39-5	Indeno(1,2,3-cd)pyrene	1400	D
53-70-3	Dibenz(a,h)anthracene	740	U
191-24-2	Benzo(g,h,i)perylene	350	DJ

(1) - Cannot be separated from Diphenylamine

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK3 001246

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Lab Sample ID: 041694A Lab File ID:

Matrix:(soil/water) WATER Extraction:(SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 04/16/94

Date Analyzed (1): 05/03/94 Date Analyzed (2): 05/03/94

Time Analyzed (1): 1343 Time Analyzed (2): 1311

Instrument ID (1): HP3F Instrument ID (2): HP3R

GC Column (1): RTX-35 ID: 0.53 (mm) GC Column (2): RTX-1701 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	EWW50	6856_11	05/03/94	05/03/94

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

001247

PBLK4

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Lab Sample ID: 041994A Lab File ID:

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

Sulfur Cleanup: (Y/N) N Date Extracted: 04/19/94

Date Analyzed (1): 05/03/94 Date Analyzed (2): 05/03/94

Time Analyzed (1): 1446 Time Analyzed (2): 1414

Instrument ID (1): HP3F Instrument ID (2): HP3R

GC Column (1): RTX-35 ID: 0.53 (mm) GC Column (2): RTX-1701 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	EWT72	6856_08	05/07/94	05/07/94
02	EWT80	6856_01	05/03/94	05/03/94
03	EWT93	6856_02	05/03/94	05/03/94
04	EWT94	6856_03	05/03/94	05/03/94
05	EWT95	6856_04	05/03/94	05/03/94
06	EWT96	6856_05	05/03/94	05/03/94
07	EWT97	6856_06	05/03/94	05/03/94
08	EWT98	6856_07	05/03/94	05/03/94
09	EWX82	6856_09	05/07/94	05/07/94
10	EWX88	6856_10	05/07/94	05/06/94

COMMENTS:

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET **001549**

EPA SAMPLE NO.

PBLK1

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 041394F

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

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

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

001554

EPA SAMPLE NO.

PBLK2

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 041594N

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

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

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/15/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/02/94

Injection Volume: 2.00 (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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET **001559**

EPA SAMPLE NO.

PBLK3

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 041694A

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

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

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/16/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET 001564

EPA SAMPLE NO.

PBLK4

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 041994A

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

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

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

001245

PBLK1

Lab Name: AATSLA Contract: 68-D2-0023

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Lab Sample ID: 041394F Lab File ID:

Matrix:(soil/water) WATER Extraction:(SepF/Cont/Sonc) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 04/13/94

Date Analyzed (1): 05/03/94 Date Analyzed (2): 05/03/94

Time Analyzed (1): 1209 Time Analyzed (2): 1058

Instrument ID (1): HP3F Instrument ID (2): HP3R

GC Column (1): RTX-35 ID: 0.53 (mm) GC Column (2): RTX-1701 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	EWW49	6812_02	05/02/94	05/02/94

COMMENTS:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.
001244
PBLK2

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Lab Sample ID: 041594N Lab File ID:

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

Sulfur Cleanup: (Y/N) N Date Extracted: 04/15/94

Date Analyzed (1): 05/02/94 Date Analyzed (2): 05/02/94

Time Analyzed (1): 1514 Time Analyzed (2): 1439

Instrument ID (1): HP3F Instrument ID (2): HP3R

GC Column (1): RTX-35 ID: 0.53 (mm) GC Column (2): RTX-1701 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	EWX84	6812_03	05/02/94	05/02/94
02	EWX85	6812_06	05/03/94	05/03/94
03	EWX86	6812_07	05/03/94	05/03/94
04	EWX87	6812_08	05/02/94	05/02/94
05	EWX89	6812_09D5	05/02/94	05/02/94
06	EWX89DL	6812_09DL	05/02/94	05/02/94
07	EWX84MS	6812_04MS	05/02/94	05/02/94
08	EWX84MSD	6812_05MD	05/02/94	05/02/94

COMMENTS:

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RE 001243

Lab Name: AATSLA Contract: 68-D2-0028

ab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix Spike - EPA Sample No.: EWX84

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	19.100	0	11.8	62	46-127
Heptachlor	19.100	0	13.8	72	35-130
Aldrin	19.100	0	9.92	52	34-132
Dieldrin	38.300	0	29.1	76	31-134
Endrin	38.300	8.01	44.3	95	42-139
4,4'-DDT	38.300	13.4	43.7	79	23-13-

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	19.100	10.8	57	8	50	46-127
Heptachlor	19.100	12.5	65	10	31	35-130
Aldrin	19.100	7.06	37	34	43	34-132
Dieldrin	38.300	25.9	68	11	38	31-134
Endrin	38.300	41.2	87	9	45	42-139
4,4'-DDT	38.300	41.4	73	8	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 limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS:

2F
SOIL PESTICIDE SURROGATE RECOVERY

001242

Lab Name: AATSLA Contract: 68-D2-0028

ab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

GC Column(1): RTX-35 ID: 0.53(mm) GC Column(2): RTX-1701 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	PBLK2	104	101	110	99			0
02	PBLK4	90	89	88	82			0
03	EWT72	92	105	76	86			0
04	EWT80	82	100	0*	160*			2
05	EWT93	83	98	82	385*			1
06	EWT94	80	144	105	205*			1
07	EWT95	71	89	66	103			0
08	EWT96	79	92	0*	219*			2
09	EWT97	72	92	80	104			0
10	EWT98	92	106	76	368*			1
11	EWX82	89	84	76	72			0
12	EWX84	70	95	52*	66			1
13	EWX84MS	69	91	44*	162*			2
14	EWX84MSD	63	78	44*	161*			2
15	EWX85	94	98	108	117			0
16	EWX86	81	98	52*	128			1
17	EWX87	104	106	98	135			0
18	EWX88	98	122	99	107			0
19	EWX89	92	97	120	262*			1
20	EWX89DL	110	OD	136	OD			0

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 000963

EPA SAMPLE NO.

EWX87

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681298

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67397

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~0.5~~ 10/14/94

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	140	J
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	160	J
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	1400	
120-12-7	Anthracene	550	
86-74-8	Carbazole	160	J
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	3300	E ✓ 10/14/94
129-00-0	Pyrene	2800	E 10/14/94
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U J unk
56-55-3	Benzo(a)anthracene	2300	E
218-01-9	Chrysene	2400	E 10/14/94
117-81-7	bis(2-Ethylhexyl)phthalate	550	B U SM 2/6/95
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	4200 D ~~5400~~	E ✓
207-08-9	Benzo(k)fluoranthene	1500 D ~~2300~~	E J unk
50-32-8	Benzo(a)pyrene	2800	E 10/14/94
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	320	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET **000964**

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EWX87

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: _____ SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 681208

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 67397

Level: (low/med) LOW Date Received: 04/15/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 04/15/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 05/18/94

Injection Volume: 2.0(uL) Dilution Factor: 10 ~~0.5~~ 10/9/18/94

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown hydrocarbon	14.27	430	J
2.	Unknown PAH	14.83	1500	J
3.	Unknown PAH	15.73	2300	J
4.	Unknown hydrocarbon	15.87	520	J
5.	Unknown acid	16.28	490	J
6.	Unknown PAH	18.47	5500	J
7.	Unknown PAH	18.97	670	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001336

EWX87

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6812_08

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

% Moisture: 11 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/15/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.6	U R
319-85-7	beta-BHC	9.6	U
319-86-8	delta-BHC	9.6	U
58-89-9	gamma-BHC (Lindane)	9.6	U
76-44-8	Heptachlor	9.6	U
309-00-2	Aldrin	9.6	U
1024-57-3	Heptachlor epoxide	9.6	U
959-98-8	Endosulfan I	9.6	U
60-57-1	Dieldrin	19	P
72-55-9	4,4'-DDE	91	P
72-20-8	Endrin	50	P
33213-65-9	Endosulfan II	19	U R
72-54-8	4,4'-DDD	63	P
1031-07-8	Endosulfan sulfate	19	U R
50-29-3	4,4'-DDT	200	P
72-43-5	Methoxychlor	96	U R
53494-70-5	Endrin ketone	19	U
7421-93-4	Endrin aldehyde	19	U
5103-71-9	alpha-Chlordane	9.6	U
5103-74-2	gamma-Chlordane	9.6	U
8001-35-2	Toxaphene	960	U
12674-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	380	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	190	U
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	1600	P
11096-82-5	Aroclor-1260	190	U R

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001348

EWX88

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856_10

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

% Moisture: 14 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/07/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
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	5.4	P
72-55-9	4,4'-DDE	15	P
72-20-8	Endrin	6.7	P
33213-65-9	Endosulfan II	6.5	
72-54-8	4,4'-DDD	9.0	P
1031-07-8	Endosulfan sulfate	8.6	P
50-29-3	4,4'-DDT	9.6	P
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	6.1	P
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	78	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	190	
11096-82-5	Aroclor-1260	38	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

001363

EPA SAMPLE NO.

EWX89DL

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6812_09DL

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

% Moisture: 37 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/15/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

Do Not USE These Results.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	130	U
319-85-7	beta-BHC	130	U
319-86-8	delta-BHC	130	U
58-89-9	gamma-BHC (Lindane)	130	U
76-44-8	Heptachlor	130	U
309-00-2	Aldrin	130	U
1024-57-3	Heptachlor epoxide	130	U
959-98-8	Endosulfan I	130	U
60-57-1	Dieldrin	260	U
72-55-9	4,4'-DDE	600	D
72-20-8	Endrin	260	U
33213-65-9	Endosulfan II	260	U
72-54-8	4,4'-DDD	260	U
1031-07-8	Endosulfan sulfate	260	U
50-29-3	4,4'-DDT	290	DP
72-43-5	Methoxychlor	1300	U
53494-70-5	Endrin ketone	260	U
7421-93-4	Endrin aldehyde	260	U
5103-71-9	alpha-Chlordane	130	U
5103-74-2	gamma-Chlordane	130	U
8001-35-2	Toxaphene	13000	U
12674-11-2	Aroclor-1016	2600	U
11104-28-2	Aroclor-1221	5300	U
11141-16-5	Aroclor-1232	2600	U
53469-21-9	Aroclor-1242	2600	U
12672-29-6	Aroclor-1248	2600	U
11097-69-1	Aroclor-1254	2600	U
11096-82-5	Aroclor-1260	2600	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001357
EWX89

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6812_09D5

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

% Moisture: 37 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/15/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

SM 2/6/95

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	13	U
319-85-7	beta-BHC	13	U
319-86-8	delta-BHC	13	U
58-89-9	gamma-BHC (Lindane)	13	U
76-44-8	Heptachlor	13	U
309-00-2	Aldrin	13	U
1024-57-3	Heptachlor epoxide	13	U
959-98-8	Endosulfan I	13	U
60-57-1	Dieldrin	26	U
72-55-9	4,4'-DDE	600D 580	~~E~~ MK 5/26/94
72-20-8	Endrin	26	U
33213-65-9	Endosulfan II	26	U
72-54-8	4,4'-DDD	140	
1031-07-8	Endosulfan sulfate	26	U
50-29-3	4,4'-DDT	350	
72-43-5	Methoxychlor	130	U
53494-70-5	Endrin ketone	26	U
7421-93-4	Endrin aldehyde	26	U
5103-71-9	alpha-Chlordane	13	U
5103-74-2	gamma-Chlordane	13	U
8001-35-2	Toxaphene	1300	U
12674-11-2	Aroclor-1016	260	U
11104-28-2	Aroclor-1221	530	U
11141-16-5	Aroclor-1232	260	U
53469-21-9	Aroclor-1242	260	U
12672-29-6	Aroclor-1248	260	U
11097-69-1	Aroclor-1254	260	U
11096-82-5	Aroclor-1260	260	U

J ↑ High Bias

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001300

EWW49

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 6812_02

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

% Moisture: decanted: (Y/N) Date Received: 04/13/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001305
EWW50

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21382 SAS No.: SDG No.: EWW46

Matrix: (soil/water) WATER Lab Sample ID: 6856_11

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

% Moisture: decanted: (Y/N) Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 04/16/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001286

EWT97

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856_06

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

% Moisture: 22 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 10.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.6	P
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	P
72-55-9	4,4'-DDE	39	
72-20-8	Endrin	6.6	P
33213-65-9	Endosulfan II	4.6	P
72-54-8	4,4'-DDD	5.7	P
1031-07-8	Endosulfan sulfate	6.8	P
50-29-3	4,4'-DDT	23	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	4.5	P
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001293

EWT98

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856_07

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

% Moisture: 16 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U RJ
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	58	P J
72-20-8	Endrin	72	P J
33213-65-9	Endosulfan II	20	U RJ
72-54-8	4,4'-DDD	35	P J
1031-07-8	Endosulfan sulfate	20	U RJ
50-29-3	4,4'-DDT	87	P J
72-43-5	Methoxychlor	100	U RJ
53494-70-5	Endrin ketone	20	U RJ
7421-93-4	Endrin aldehyde	20	U RJ
5103-71-9	alpha-Chlordane	21	P J
5103-74-2	gamma-Chlordane	10	U RJ
8001-35-2	Toxaphene	1000	U
12674-11-2	Aroclor-1016	200	U
11104-28-2	Aroclor-1221	400	U
11141-16-5	Aroclor-1232	200	U
53469-21-9	Aroclor-1242	200	U
12672-29-6	Aroclor-1248	200	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	200	U

SM 2/6/95 High

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EWT30 001253

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21382 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856.01

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

% Moisture: 15 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	86	
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	43	P
1031-07-8	Endosulfan sulfate	53	P
50-29-3	4,4'-DDT	190	P
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	19	U
7421-93-4	Endrin aldehyde	19	U
5103-71-9	alpha-Chlordane	16	P
5103-74-2	gamma-Chlordane	10	U
8001-35-2	Toxaphene	1000	U
12674-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	390	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	190	U
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001248

EWT72

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856_08

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

% Moisture: 16 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/07/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
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	16	P
72-55-9	4,4'-DDE	23	P
72-20-8	Endrin	8.2	P
33213-65-9	Endosulfan II	6.8	P
72-54-8	4,4'-DDD	16	
1031-07-8	Endosulfan sulfate	14	P
50-29-3	4,4'-DDT	47	P
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	12	P
5103-74-2	gamma-Chlordane	6.1	
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001280
EWT96

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856_05

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

% Moisture: 20 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	gamma-BHC (Lindane)	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	11	U
1024-57-3	Heptachlor epoxide	11	U
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	180	P
72-20-8	Endrin	21	U
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	28	
1031-07-8	Endosulfan sulfate	21	U
50-29-3	4,4'-DDT	64	P
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	21	U
7421-93-4	Endrin aldehyde	21	U
5103-71-9	alpha-Chlordane	11	U
5103-74-2	gamma-Chlordane	11	U
8001-35-2	Toxaphene	1100	U
12674-11-2	Aroclor-1016	210	U
11104-28-2	Aroclor-1221	420	U
11141-16-5	Aroclor-1232	210	U
53469-21-9	Aroclor-1242	210	U
12672-29-6	Aroclor-1248	210	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001274
EWT95

Lab Name: AATSLA Contract: 68-D2-0023

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856_04

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

% Moisture: 16 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
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	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	3.1	
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001260
EWT93

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21382 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856_02

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

% Moisture: 18 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
319-84-6	alpha-BHC	10	R	U
319-85-7	beta-BHC	10	R	U
319-86-8	delta-BHC	10	R	U
58-89-9	gamma-BHC (Lindane)	10	R	U
76-44-8	Heptachlor	10	R	U
309-00-2	Aldrin	10	R	U
1024-57-3	Heptachlor epoxide	22		P
959-98-8	Endosulfan I	10	R	U
60-57-1	Dieldrin	120		P
72-55-9	4,4'-DDE	98		
72-20-8	Endrin	20	R	U
33213-65-9	Endosulfan II	20	R	U
72-54-8	4,4'-DDD	20		JP
1031-07-8	Endosulfan sulfate	24		P
50-29-3	4,4'-DDT	110		P
72-43-5	Methoxychlor	100	R	U
53494-70-5	Endrin ketone	20	R	U
7421-93-4	Endrin aldehyde	20	R	U
5103-71-9	alpha-Chlordane	66		
5103-74-2	gamma-Chlordane	50		
8001-35-2	Toxaphene	1000	R	U
12674-11-2	Aroclor-1016	200	R	U
11104-28-2	Aroclor-1221	410	R	U
11141-16-5	Aroclor-1232	200	R	U
53469-21-9	Aroclor-1242	200	R	U
12672-29-6	Aroclor-1248	200	R	U
11097-69-1	Aroclor-1254	200	R	U
11096-82-5	Aroclor-1260	200	R	U

SM 2/6/95
High

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001267

EWT94

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856_03

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

% Moisture: 16 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 3.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U RJ
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	11	P J
959-98-8	Endosulfan I	10	U RJ
60-57-1	Dieldrin	20	P J
72-55-9	4,4'-DDE	230	P J
72-20-8	Endrin	20	U RJ
33213-65-9	Endosulfan II	20	U RJ
72-54-8	4,4'-DDD	50	P J
1031-07-8	Endosulfan sulfate	40	P J
50-29-3	4,4'-DDT	210	P J
72-43-5	Methoxychlor	100	U RJ
53494-70-5	Endrin ketone	20	U RJ
7421-93-4	Endrin aldehyde	20	U RJ
5103-71-9	alpha-Chlordane	120	P J
5103-74-2	gamma-Chlordane	46	P J
8001-35-2	Toxaphene	1000	U RJ
12674-11-2	Aroclor-1016	200	U
11104-28-2	Aroclor-1221	400	U
11141-16-5	Aroclor-1232	200	U
53469-21-9	Aroclor-1242	200	U
12672-29-6	Aroclor-1248	200	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	200	U RJ

SVM 7/6/95
High Bias

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EWX86 001330

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6812_07

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

% Moisture: 10 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/15/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

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

SM 2/6/95

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.8	URJ
319-85-7	beta-BHC	3.8	U
319-86-8	delta-BHC	3.8	U
58-89-9	gamma-BHC (Lindane)	3.8	U
76-44-8	Heptachlor	3.8	U
309-00-2	Aldrin	3.8	U
1024-57-3	Heptachlor epoxide	3.8	U
959-98-8	Endosulfan I	3.8	U
60-57-1	Dieldrin	7.2	JP
72-55-9	4,4'-DDE	18	P
72-20-8	Endrin	14	P
33213-65-9	Endosulfan II	7.3	UR
72-54-8	4,4'-DDD	22	P
1031-07-8	Endosulfan sulfate	7.3	UR
50-29-3	4,4'-DDT	72	
72-43-5	Methoxychlor	38	UR
53494-70-5	Endrin ketone	7.3	UR
7421-93-4	Endrin aldehyde	7.3	UR
5103-71-9	alpha-Chlordane	6.6	P
5103-74-2	gamma-Chlordane	3.8	UR
8001-35-2	Toxaphene	380	U
12674-11-2	Aroclor-1016	73	U
11104-28-2	Aroclor-1221	150	U
11141-16-5	Aroclor-1232	73	U
53469-21-9	Aroclor-1242	73	U
12672-29-6	Aroclor-1248	73	U
11097-69-1	Aroclor-1254	73	U
11096-82-5	Aroclor-1260	73	U

low Bias

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

001323
EWX85

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6812_06

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

% Moisture: 10 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/15/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/03/94

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) Y pH: 3.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.8	U R
319-85-7	beta-BHC	3.8	U
319-86-8	delta-BHC	3.8	U
58-89-9	gamma-BHC (Lindane)	3.8	U
76-44-8	Heptachlor	3.8	U
309-00-2	Aldrin	3.8	U
1024-57-3	Heptachlor epoxide	3.8	U
959-98-8	Endosulfan I	3.8	U
60-57-1	Dieldrin	7.3	U
72-55-9	4,4'-DDE	16	
72-20-8	Endrin	7.3	U R
33213-65-9	Endosulfan II	7.3	U R
72-54-8	4,4'-DDD	24	P
1031-07-8	Endosulfan sulfate	7.3	U R
50-29-3	4,4'-DDT	71	
72-43-5	Methoxychlor	38	U R
53494-70-5	Endrin ketone	7.3	U R
7421-93-4	Endrin aldehyde	7.3	U R
5103-71-9	alpha-Chlordane	6.5	P
5103-74-2	gamma-Chlordane	3.8	U R
8001-35-2	Toxaphene	380	U
12674-11-2	Aroclor-1016	73	U
11104-28-2	Aroclor-1221	150	U
11141-16-5	Aroclor-1232	73	U
53469-21-9	Aroclor-1242	73	U
12672-29-6	Aroclor-1248	73	U
11097-69-1	Aroclor-1254	73	U
11096-82-5	Aroclor-1260	73	U

SM 2/6/95

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

001315

EPA SAMPLE NO.

EWX84

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21832 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6812_03

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

% Moisture: 13 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/15/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
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	4.6	P
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	12	
72-20-8	Endrin	8.0	P
33213-65-9	Endosulfan II	9.1	P
72-54-8	4,4'-DDD	7.6	P
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	13	P
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	30	P
5103-74-2	gamma-Chlordane	12	
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

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Low Bias

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
001310

EWX82

Lab Name: AATSLA Contract: 68-D2-0028

Lab Code: AATSLA Case No.: 21882 SAS No.: SDG No.: EWW46

Matrix: (soil/water) SOIL Lab Sample ID: 6856_09

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

% Moisture: 16 decanted: (Y/N) N Date Received: 04/15/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/19/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/07/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
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	3.9	U
72-55-9	4,4'-DDE	31	
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	26	
1031-07-8	Endosulfan sulfate	5.5	P
50-29-3	4,4'-DDT	76	
72-43-5	Methoxychlor	63	
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	18	P
5103-74-2	gamma-Chlordane	5.6	P
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U