Reference 15

9532576

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

MEMORANDUM

Date: July 28, 2000

Subject: Contract Laboratory Program Data Review

From: Marvelyn Humphrey, Alternate ESAT RPO, 6MD-HC

To: B. Rhotenberry, 6SF-RA

Site : FALCON REFINING

Case#: 28064

SDG# : F02J2

The EPA Region 6 Houston Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative.

If you have any questions regarding the data review report, please call me at (281) 983-2140.

Attachments
cc: R. Flores, Region 6 CLP/TPO
M. El-Feky, Region 6 Data Coordinator
Files (2)

LOCKHEED MARTIN SERVICES GROUP
ESAT REGION VI
10101 SOUTHWEST FREEWAY, SUITE 500
HOUSTON, TX 77074

MEMORANDUM

DATE: July 26, 2000

TO: Melvin Ritter/Marvelyn Humphrey, ESAT RPO/Alternate RPO, Region VI

FROM: Tom C.H. Chiang, ESAT Team Manager, Region VI

SUBJECT: CLP Data Review

REF: TDF # 6-0398A ESAT # O-2208
ESAT Contract No. 68-D6-0005

Attached is the data review summary for Case # 28064
SDG # F02J2
Site Falcon Refining

COMMENTS:

I. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

A. Hardcopy review and CCS audit found the following contractually non-compliant item.

One Pest/PCB calibration verification, PEME on the CLPESTICII column, failed contractual criteria because the %D's for endrin, DDT, and methoxychlor were below the QC limits (OLM04.2, p. D-30/PEST, sec. 9.3.5.4). The laboratory attributed this contractual noncompliance to matrix effects because the problem repeated when these samples were analyzed on a different instrument. This contractual noncompliance caused the qualification of the DDT result in Pest/PCB samples F0-2KC and F0-2KE.

B. Hardcopy review found the following non-compliant item that CCS is not expected to detect.

The data package arrived 12 working days late for the contractual 14-day turnaround time.

LOCKHEED MARTIN SERVICES GROUP
ESAT REGION VI
10101 SOUTHWEST FREEWAY, SUITE 500
HOUSTON, TX 77074

MEMORANDUM (continued)

Attached is the data review summary for Case # 28064
SDG # F02J2
Site Falcon Refining

II. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed was 2820 for this data package. Some results were qualified because of technical problems. The significant technical problems are addressed below.

A. Field duplicate samples F0-2K3 and F0-2K4 had inconsistent pesticide results.

B. Many results for six Pest/PCB samples were qualified because of inappropriate peak integrations.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

ORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	28064	SITE	Falcon Refining
LABORATORY	AATSLA	NO. OF SAMPLES	20
CONTRACT#	68-W-00-081	MATRIX	Soil
SDG#	F02J2	REVIEWER (IF NOT ESD)	ESAT
SOW#	SOW OLM04.2	REVIEWER'S NAME	Ying-Ping Hsieh
ACCT#	050102DJN73	COMPLETION DATE	July 26, 2000
SF#	50102DZZ		

SAMPLE NO.					
	F0-2JP	F0-2JW	F0-2J2	F0-2KE	F0-2K4
	F0-2JQ	F0-2JX	F0-2J3	F0-2KF	F0-2K5
	F0-2JR	F0-2JY	F0-2KB	F0-2K0	F0-2K7
	F0-2JT	F0-2JZ	F0-2KC	F0-2K3	F0-2K8

DATA ASSESSMENT SUMMARY

	VOA	BNA	PEST
1. HOLDING TIMES	O	O	O
2. GC/MS TUNE/INSTR. PERFORM.	O	O	O
3. CALIBRATIONS	M	O	M
4. BLANKS	M	O	O
5. SMC/SURROGATES	O	O	O
6. MATRIX SPIKE/DUPLICATE	O	O	O
7. OTHER QC	O	O	M
8. INTERNAL STANDARDS (IS)	O	O	N/A
9. COMPOUND ID/QUANTITATION	O	O	M
10. PERFORMANCE/COMPLETENESS	O	O	O
11. OVERALL ASSESSMENT	M	O	M

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ACTION ITEMS: The data package arrived 12 working days late for the contractual 14-day turnaround time. One Pest/PCB calibration verification on one column failed contractual %D calibration criteria.

AREA OF CONCERN: Acetone failed the technical %RSD criteria. Laboratory contamination resulted in data qualification for 19 VOA samples. Field duplicate samples F0-2K3 and F0-2K4 had inconsistent pesticide results. Many results for six Pest/PCB samples were qualified because of inappropriate peak integrations. Some pesticide results were also qualified because of inconsistent two-column quantitation results.

NOTABLE PERFORMANCE:

COMMENTS/CLARIFICATIONS
REGION VI CLP QA REVIEW

CASE 28064 **SDG** F02J2 **SITE** Falcon Refining **LAB** AATSLA

The following is a summary of sample qualifiers used by Region 6 in reporting this CLP data:

No.	Acceptable	Provisional	Unacceptable
VOA	1	19	
BNA	20		
PEST	14	6	

COMMENTS: This SDG consisted of 20 soil samples for complete RAS organics analyses by CLP SOW OLM04.2. According to the OTR/COC records, sample F0-2J2 was the QC sample and samples F0-2J2/ F0-2J3, F0-2KC/F0-2KF, and F0-2K3/F0-2K4 were field duplicate pairs. The CRQL's required %moisture correction for the soil samples and additional dilution correction for the diluted samples. The corrected CRQL's were reported by the laboratory and are referred to as sample quantitation limits (SQL's) in this report. The VOA and BNA soil samples were analyzed following the low level methods. The data package contained the following contractually non-compliant items.

- One Pest/PCB calibration verification on one column failed contractual %D calibration criteria.
- The data package arrived 12 working days late for the contractual 14-day turnaround time.

VOA Acetone and methylene chloride were the only target analytes reported at concentrations above the SQL's in the samples although all reported concentrations for these two compounds were solely due to laboratory contamination.

BNA Target analytes reported at concentrations above the SQL's were PAH's in samples F0-2KE, F0-2K4, and F0-2K7. Samples F0-2JR, F0-2KC, F0-2KE, F0-2KF, F0-2K3, and F0-2K4 were diluted 5X to 10X because of viscous sample extracts.

Pest/PCB Target compounds reported at concentrations above the SQL's included various pesticides in samples F0-2JR, F0-2KC, F0-2KE, F0-2KF, F0-2K3, and F0-2K4. Samples F0-2KE, F0-2K3, and F0-2K4 were diluted 5X and reanalyzed because the peak responses exceeded the upper limits on one or both columns for several pesticides.

Some results are provisional for 19 VOA and 6 Pest/PCB samples because of problems with calibration, laboratory contamination, inconsistent field duplicate results, and compound quantitation. The technical usability of all reported sample results is indicated by ESAT's final data qualifiers in the Data Summary Table. An Evidence Audit was conducted for the Complete Sample Delivery Group File (CSF), and the audit results were reported on the Evidence Inventory Checklist.

ORGANIC QA REVIEW
CONTINUATION PAGE

CASE 28064 **SDG** F02J2 **SITE** Falcon Refining **LAB** AATSLA

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

Acceptable = No results were qualified for any problem associated with this QC parameter.
Provisional = Some results were qualified because of problems associated with this QC parameter.
Unusable = All results are unusable because of major problems associated with this QC parameter.

1. **Holding Times:** Acceptable. All samples met contractual holding time criteria. No technical holding time criteria exist for soil samples.

2. **Tuning/Performance:** Acceptable. BFB and DFTPP analyses met GC/MS tuning criteria. Several pesticides had overlapping retention time windows on both columns, but the sample results were not affected by the chromatographic problem.

3. **Calibrations:** Provisional. All calibrations met contractual criteria. Several VOA and BNA analytes failed technical %D and/or %RSD calibration criteria. The reviewer qualified the acetone results as estimated for VOA samples F0-2J3, F0-2KB, and F0-2K8 because of an outlying %RSD. The other analytes with outlying %D's and/or %RSD's were not reported at concentrations above the SQL's, therefore data qualification was unnecessary.

Pest/PCB One Pest/PCB calibration verification, PEME on the CLPESTICII column, failed contractual criteria because the %D's for endrin, DDT, and methoxychlor were below the QC limits. The laboratory attributed this contractual noncompliance to matrix effects because the problem repeated when these samples were analyzed on a different instrument. The reviewer qualified the DDT results above the SQL's as estimated for samples F0-2KC and F0-2KE because of the outlying %D.

Because of high peak responses on one or both columns, the analyst diluted and reanalyzed samples F0-2KE, F0-2K3, and F0-2K4 as required by the contract. The endosulfan sulfate and endrin aldehyde results from sample F0-2KEDL are designated for use. The results from the original analyses are designated for use for all other samples and analytes because the reported results were taken from the columns with acceptable peak responses.

CASE 28064 **SDG** F02J2 **SITE** Falcon Refining **LAB** AATSLA

4. **Blanks**: Provisional. The method, instrument, and storage blanks met the contractual criteria. No target analytes were detected in the BNA and Pest/PCB blanks.

VOA Acetone, methylene chloride, and/or 2-hexanone were detected at concentrations below the CRQL's in the method blanks. The acetone and methylene chloride detected in the storage blank were introduced during the analysis, not sample storage. Among these contaminants, acetone and methylene chloride were also detected in the associated samples. All acetone and methylene chloride results with laboratory "B" flags should be considered as undetected (U), among which the concentrations above the SQL's in 19 samples should be used as raised quantitation limits (M).

5. **System Monitoring Compounds (SMC's)/Surrogates**: Acceptable. The SMC and surrogate recoveries were within the QC limits with the following exceptions. A high surrogate recovery was reported for BNA sample F0-2KB, but result qualification was unnecessary. The DCB recoveries exceeded the QC limits on both columns for several Pest/PCB samples. The reviewer verified that the high recoveries were caused by improper peak integrations, therefore data qualification was unnecessary. The effects of the improper peak integration on the target compound results are addressed in sec. 9 below.

6. **Matrix Spike/Matrix Spike Duplicate (MS/MSD)**: Acceptable. The MS/MSD results met the QC criteria for precision and %recovery with the following exceptions. The 4-nitrophenol and 2,4-dinitrotoluene had high MS/MSD recoveries. Result qualification was unnecessary because these two compounds were not detected in the unspiked sample.

7. **Other QC**:

<u>Field duplicates</u>: Provisional. Results for the field duplicate samples were consistent with the following exceptions. The concentrations for the following pesticides were much higher in Pest/PCB sample F0-2K4/DL than in its field duplicate, sample F0-2K3: heptachlor epoxide, DDE, endosulfan II, endosulfan sulfate, and endrin aldehyde. The reviewer qualified results for these analytes as estimated and biased high for sample F0-2K4/DL. The reviewer qualified as estimated for the endosulfan sulfate and endrin aldehyde results above the SQL's for sample F0-2K3 but did not assign the low bias flags to them because of a contradictory bias resulting from the compound quantitation evaluation (see sec. 9). The reviewer did not qualify results below the SQL's for sample F0-2K3.

CASE 28064 **SDG** F02J2 **SITE** Falcon Refining **LAB** AATSLA

8. **Internal Standards (IS)**: Acceptable. Internal standard performance met the QC criteria for all VOA and BNA samples.

9. **Compound Identity/Quantitation**: Provisional.

VOA/BNA Laboratory contaminants acetone and methylene chloride were the only target analytes reported at concentrations above the SQL's in the VOA samples. BNA target analytes reported at concentrations above the SQL's were PAH's in samples F0-2KE, F0-2K4, and F0-2K7. BNA samples F0-2JR, F0-2KC, F0-2KE, F0-2KF, F0-2K3, and F0-2K4 could not be concentrated to the contract-specified volume and/or required dilution (5X or 10X) because of extract viscosity. The reported analytes met compound identification criteria.

Pest/PCB Target compounds reported at concentrations above the SQL's included various pesticides in samples F0-2JR, F0-2KC, F0-2KE, F0-2KF, F0-2K3, and F0-2K4. GC/MS confirmation was not required.

The reviewer qualified the results for the following analytes above the SQL's as estimated and biased high because the peak integrations were inappropriate and included substantial amounts of background responses:

endrin ketone in sample F0-2JR;

DDT, endrin ketone, and endrin aldehyde in sample F0-2KC;

endosulfan II, endosulfan sulfate, DDT, endrin ketone, and endrin aldehyde in sample F0-2KE;

DDT, endrin ketone, and endrin aldehyde in sample F0-2KF;

DDT, methoxychlor, and endrin ketone in sample F0-2K3;

endosulfan II, DDT, methoxychlor, and endrin ketone in sample F0-2K4; and

endosulfan sulfate and endrin aldehyde in sample F0-2K4DL.

The endosulfan sulfate and endrin aldehyde results for sample F0-2K3 were also qualified as estimated for the same reason stated above. However, no bias flag was assigned to these results because of a contradictory bias resulting from the field duplicate results evaluation (see sec. 7).

ORGANIC QA REVIEW
CONTINUATION PAGE

CASE 28064 **SDG** F02J2 **SITE** Falcon Refining **LAB** AATSLA

9. **Compound Identity/Quantitation:** (continued)
All laboratory "P"-flagged results with concentrations above the SQL's were qualified as estimated because two-column quantitation results differed by more than 25 percent.

10. **Performance/Completeness:** Acceptable. The laboratory submitted revised OTR/COC Records (pages 23 - 25) and the TIC spectra (page 249ab) for VBLKAB in response to the CCS report. The resubmission was reviewed and page 249ab was inserted into the CSF package. The remaining pages were placed at the beginning of the data package for references. The data package was complete but contained some reporting errors. The laboratory was contacted for correction and resubmission (see FAX Record Log).

11. **Overall Assessment:** Data are acceptable for 1 VOA, all BNA, and 14 Pest/PCB samples.

VOA Some results were qualified for all samples except sample F0-2KE because of problems with calibration and laboratory contamination.

Pest/PCB Some results were qualified for the following samples because of problems with calibration, inconsistent field duplicate results, and compound quantitation:

F0-2JR, F0-2KC, F0-2KE, F0-2KF, F0-2K3, and F0-2K4/DL.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

U Not detected at reported quantitation limit.

N Identification is tentative.

J Estimated value.

L Reported concentration is below the CRQL.

M Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.

R Unusable.

^ High biased. Actual concentration may be lower than the concentration reported.

v Low biased. Actual concentration may be higher than the concentration reported.

F+ A false positive exists.

F- A false negative exists.

B This result may be high biased because of laboratory/field contamination. The reported concentration is above 5X or 10X the concentration reported in the method/field blank.

UJ Estimated quantitation limit.

T Identification is questionable because of absence of other commonly coexisting pesticides.

***** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.

Rev. 11/99

Case No.: 28064 SDG: F02J2 Reviewer: Y. Hsieh

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

VOLATILE EPA SAMPLE NUMBER:	F0-2JP	FLAG	F0-2JQ	FLAG	F0-2JR	FLAG	F0-2JT	FLAG	F0-2JW	FLAG	F0-2JX	FLAG	F0-2JY	FLAG
Dichlorodifluoromethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Chloromethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Vinyl Chloride	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Bromomethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Chloroethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Trichlorofluoromethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,1-Dichloroethene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,1,2-Trichloro-1,2,2-trifluoroethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Acetone	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Carbon Disulfide	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Methyl Acetate	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Methylene Chloride	29	UM	32	UM	25	UM	27	UM	33	UM	41	UM	17	UM
trans-1,2-Dichloroethene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Methyl tert-Butyl Ether	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,1-Dichloroethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
cis-1,2-Dichloroethene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
2-Butanone	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Chloroform	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,1,1-Trichloroethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Cyclohexane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Carbon Tetrachloride	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Benzene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,2-Dichloroethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Trichloroethene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Methylcyclohexane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,2-Dichloropropane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Bromodichloromethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
cis-1,3-Dichloropropene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
4-Methyl-2-pentanone	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Toluene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
trans-1,3-Dichloropropene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,1,2-Trichloroethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Tetrachloroethene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
2-Hexanone	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Dibromochloromethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,2-Dibromoethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Chlorobenzene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Ethylbenzene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Xylenes (total)	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Styrene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Bromoform	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Isopropylbenzene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,1,2,2-Tetrachloroethane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,3-Dichlorobenzene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,4-Dichlorobenzene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,2-Dichlorobenzene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,2-Dibromo-3-chloropropane	11	U	12	U	11	U	11	U	12	U	13	U	12	U
1,2,4-Trichlorobenzene	11	U	12	U	11	U	11	U	12	U	13	U	12	U
Sample wt (g):	5		5		5		5		5		5		5	
%Moisture:	11		16		7		10		17		20		16	
Dilution Factor:	1		1		1		1		1		1		1	
Level:	Low		Low		Low		Low		Low		Low		Low	
Number of TIC's:	0		0		0		0		0		0		0	

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No.: 28064 SDG: F02J2 Reviewer: Y. Hsieh

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

VOLATILE EPA SAMPLE NUMBER:	F0-2JZ	FLAG	F0-2J2	FLAG	F0-2J3	FLAG	F0-2KB	FLAG	F0-2KC	FLAG	F0-2KE	FLAG	F-2KF	FLAG
Dichlorodifluoromethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Chloromethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Vinyl Chloride	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Bromomethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Chloroethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Trichlorofluoromethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,1-Dichloroethene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Acetone	12	U	14	U	17	UMJ	17	UMJ	25	UM	12	U	32	UM
Carbon Disulfide	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Methyl Acetate	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Methylene Chloride	28	UM	49	UM	33	UM	16	U	20	UM	12	U	22	UM
trans-1,2-Dichloroethene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Methyl tert-Butyl Ether	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,1-Dichloroethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
cis-1,2-Dichloroethene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
2-Butanone	12	U	14	U	14	U	3	LJ	11	U	12	U	11	U
Chloroform	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,1,1-Trichloroethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Cyclohexane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Carbon Tetrachloride	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Benzene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,2-Dichloroethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Trichloroethene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Methylcyclohexane	12	U	14	U	14	U	16	U	2	LJ	12	U	3	LJ
1,2-Dichloropropane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Bromodichloromethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
cis-1,3-Dichloropropene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
4-Methyl-2-pentanone	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Toluene	12	U	14	U	14	U	16	U	11	U	1	LJ	2	LJ
trans-1,3-Dichloropropene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,1,2-Trichloroethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Tetrachloroethene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
2-Hexanone	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Dibromochloromethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,2-Dibromoethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Chlorobenzene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Ethylbenzene	12	U	14	U	14	U	16	U	11	U	12	U	1	LJ
Xylenes (total)	12	U	14	U	14	U	16	U	11	U	12	U	5	LJ
Styrene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Bromoform	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Isopropylbenzene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,1,2,2-Tetrachloroethane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,3-Dichlorobenzene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,4-Dichlorobenzene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,2-Dichlorobenzene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,2-Dibromo-3-chloropropane	12	U	14	U	14	U	16	U	11	U	12	U	11	U
1,2,4-Trichlorobenzene	12	U	14	U	14	U	16	U	11	U	12	U	11	U
Sample wt (g):	5		5		5		5		5		5		5	
%Moisture:	14		31		30		36		5		14		6	
Dilution Factor:	1		1		1		1		1		1		1	
Level:	Low		Low		Low		Low		Low		Low		Low	
Number of TIC's:	0		0		0		0		3		0		16	

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No.: 28064 SDG: F02J2 Reviewer: Y. Hsieh

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

VOLATILE EPA SAMPLE NUMBER:	F0-2K0	FLAG	F0-2K3	FLAG	F0-2K4	FLAG	F0-2K5	FLAG	F0-2K7	FLAG	F0-2K8	FLAG		FLAG
Dichlorodifluoromethane	11	U	11	U	12	U	11	U	11	U	11	U		
Chloromethane	11	U	11	U	12	U	11	U	11	U	11	U		
Vinyl Chloride	11	U	11	U	12	U	11	U	11	U	11	U		
Bromomethane	11	U	11	U	12	U	11	U	11	U	11	U		
Chloroethane	11	U	11	U	12	U	11	U	11	U	11	U		
Trichlorofluoromethane	11	U	11	U	12	U	11	U	11	U	11	U		
1,1-Dichloroethene	11	U	11	U	12	U	11	U	11	U	11	U		
1,1,2-Trichloro-1,2,2-trifluoroethane	11	U	11	U	12	U	11	U	11	U	11	U		
Acetone	11	U	11	U	12	U	11	U	11	U	15	UMJ		
Carbon Disulfide	11	U	11	U	12	U	11	U	11	U	11	U		
Methyl Acetate	11	U	11	U	12	U	11	U	11	U	11	U		
Methylene Chloride	28	UM	32	UM	20	UM	27	UM	18	UM	11	U		
trans-1,2-Dichloroethene	11	U	11	U	12	U	11	U	11	U	11	U		
Methyl tert-Butyl Ether	11	U	11	U	12	U	11	U	11	U	11	U		
1,1-Dichloroethane	11	U	11	U	12	U	11	U	11	U	11	U		
cis-1,2-Dichloroethene	11	U	11	U	12	U	11	U	11	U	11	U		
2-Butanone	11	U	11	U	12	U	11	U	11	U	11	U		
Chloroform	11	U	11	U	12	U	11	U	11	U	11	U		
1,1,1-Trichloroethane	11	U	11	U	12	U	11	U	11	U	11	U		
Cyclohexane	11	U	11	U	12	U	11	U	11	U	11	U		
Carbon Tetrachloride	11	U	11	U	12	U	11	U	11	U	11	U		
Benzene	11	U	11	U	12	U	11	U	11	U	11	U		
1,2-Dichloroethane	11	U	11	U	2	J	11	U	11	U	11	U		
Trichloroethene	11	U	11	U	12	U	11	U	11	U	11	U		
Methylcyclohexane	11	U	11	U	12	U	11	U	11	U	11	U		
1,2-Dichloropropane	11	U	11	U	12	U	11	U	11	U	11	U		
Bromodichloromethane	11	U	11	U	12	U	11	U	11	U	11	U		
cis-1,3-Dichloropropene	11	U	11	U	12	U	11	U	11	U	11	U		
4-Methyl-2-pentanone	11	U	11	U	12	U	11	U	11	U	11	U		
Toluene	11	U	11	U	12	U	11	U	11	U	11	U		
trans-1,3-Dichloropropene	11	U	11	U	12	U	11	U	11	U	11	U		
1,1,2-Trichloroethane	11	U	11	U	12	U	11	U	11	U	11	U		
Tetrachloroethene	11	U	11	U	12	U	11	U	11	U	11	U		
2-Hexanone	11	U	11	U	12	U	11	U	11	U	11	U		
Dibromochloromethane	11	U	11	U	12	U	11	U	11	U	11	U		
1,2-Dibromoethane	11	U	11	U	12	U	11	U	11	U	11	U		
Chlorobenzene	11	U	11	U	12	U	11	U	11	U	11	U		
Ethylbenzene	11	U	11	U	12	U	11	U	11	U	11	U		
Xylenes (total)	11	U	11	U	12	U	11	U	11	U	11	U		
Styrene	11	U	11	U	12	U	11	U	11	U	11	U		
Bromoform	11	U	11	U	12	U	11	U	11	U	11	U		
Isopropylbenzene	11	U	11	U	12	U	11	U	11	U	11	U		
1,1,2,2-Tetrachloroethane	11	U	11	U	12	U	11	U	11	U	11	U		
1,3-Dichlorobenzene	11	U	11	U	12	U	11	U	11	U	11	U		
1,4-Dichlorobenzene	11	U	11	U	12	U	11	U	11	U	11	U		
1,2-Dichlorobenzene	11	U	11	U	12	U	11	U	11	U	11	U		
1,2-Dibromo-3-chloropropane	11	U	11	U	12	U	11	U	11	U	11	U		
1,2,4-Trichlorobenzene	11	U	11	U	12	U	11	U	11	U	11	U		
Sample wt (g):	5		5		5		5		5		5			
%Moisture:	13		11		18		12		10		10			
Dilution Factor:	1		1		1		1		1		1			
Level:	Low		Low		Low		Low		Low		Low			
Number of TIC's:	0		0		1		0		0		0			

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No. : 28064 SDG : F02J2 Reviewer : Y. Hsieh

Laboratory : AATSLA Matrix : Soil Units : ug/Kg

SEMIVOLATILE EPA SAMPLE NUMBER :	F0-2JP	FLAG	F0-2JQ	FLAG	F0-2JR	FLAG	F0-2JT	FLAG	F0-2JW	FLAG	F0-2JX	FLAG	F0-2JY	FLAG
Benzaldehyde	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Phenol	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
bis-(2-Chloroethyl) ether	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2-Chlorophenol	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2-Methylphenol	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2,2'-oxybis(1-Chloropropane)	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Acetophenone	370	U	48	LJ	3500	U	370	U	400	U	420	U	390	U
4-Methylphenol	370	U	43	LJ	550	LJ	370	U	400	U	420	U	390	U
N-Nitroso-di-n-propylamine	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Hexachloroethane	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Nitrobenzene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Isophorone	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2-Nitrophenol	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2,4-Dimethylphenol	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
bis(2-Chloroethoxy)methane	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2,4-Dichlorophenol	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Naphthalene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
4-Chloroaniline	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Hexachlorobutadiene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Caprolactam	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
4-Chloro-3-methylphenol	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2-Methylnaphthalene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Hexachlorocyclopentadiene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2,4,6-Trichlorophenol	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2,4,5-Trichlorophenol	930	U	990	U	8900	U	920	U	1000	U	1100	U	990	U
1,1'-Biphenyl	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2-Chloronaphthalene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2-Nitroaniline	930	U	990	U	8900	U	920	U	1000	U	1100	U	990	U
Dimethylphthalate	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2,6-Dinitrotoluene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Acenaphthylene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
3-Nitroaniline	930	U	990	U	8900	U	920	U	1000	U	1100	U	990	U
Acenaphthene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2,4-Dinitrophenol	930	U	990	U	8900	U	920	U	1000	U	1100	U	990	U
4-Nitrophenol	930	U	990	U	8900	U	920	U	1000	U	1100	U	990	U
Dibenzofuran	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
2,4-Dinitrotoluene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Diethylphthalate	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Fluorene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
4-Chlorophenyl-phenyl ether	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
4-Nitroaniline	930	U	990	U	8900	U	920	U	1000	U	1100	U	990	U
4,6-Dinitro-2-methylphenol	930	U	990	U	8900	U	920	U	1000	U	1100	U	990	U
N-Nitrosodiphenylamine	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
4-Bromophenyl-phenylether	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Hexachlorobenzene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Atrazine	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Pentachlorophenol	930	U	990	U	8900	U	920	U	1000	U	1100	U	990	U
Phenanthrene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Anthracene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Carbazole	370	U	390	U	3500	U	370	U	400	U	420	U	390	U

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No. : 28064 SDG : F02J2 Reviewer : Y. Hsieh

Laboratory : AATSLA Matrix : Soil Units : ug/Kg

SEMIVOLATILE EPA SAMPLE NUMBER :	F0-2JP	FLAG	F0-2JQ	FLAG	F0-2JR	FLAG	F0-2JT	FLAG	F0-2JW	FLAG	F0-2JX	FLAG	F-2JY	FLAG
Di-n-butylphthalate	370	U	390	U	3500	U	45	LJ	64	LJ	56	LJ	390	U
Fluoranthene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Pyrene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Butylbenzylphthalate	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
3,3'-Dichlorobenzidine	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Benzo(a)anthracene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Chrysene	370	U	47	LJ	3500	U	370	U	400	U	420	U	390	U
bis(2-Ethylhexyl)phthalate	370	U	390	U	3500	U	370	U	400	U	53	LJ	390	U
Di-n-octylphthalate	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Benzo(b)fluoranthene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Benzo(k)fluoranthene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Benzo(a)pyrene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Indeno(1,2,3-cd)pyrene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Dibenzo(a,h)anthracene	370	U	390	U	3500	U	370	U	400	U	420	U	390	U
Benzo(g,h,i)perylene	370	U	62	LJ	3500	U	370	U	400	U	420	U	390	U
Sample wt (g) :	30		30		30		30		30		30		30	
%Moisture :	11		16		7		10		17		21		16	
Dilution Factor :	1		1		10		1		1		1		1	
Level :	Low		Low		Low		Low		Low		Low		Low	
Number of TIC's :	5		30		30		4		13		19		29	

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No.: 28064 SDG: F02J2 Reviewer: Y. Hsieh

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

SEMIVOLATILE EPA SAMPLE NUMBER:	F0-2JZ	FLAG	F0-2J2	FLAG	F0-2J3	FLAG	F0-2KB	FLAG	F0-2KC	FLAG	F0-2KE	FLAG	F0-2KF	FLAG
Benzaldehyde	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Phenol	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
bis-(2-Chloroethyl) ether	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2-Chlorophenol	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2-Methylphenol	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2,2'-oxybis(1-Chloropropane)	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Acetophenone	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
4-Methylphenol	380	U	480	U	48	LJ	520	U	890	LJ	1900	U	7000	U
N-Nitroso-di-n-propylamine	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Hexachloroethane	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Nitrobenzene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Isophorone	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2-Nitrophenol	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2,4-Dimethylphenol	380	U	480	U	470	U	520	U	360	LJ	1900	U	7000	U
bis(2-Chloroethoxy)methane	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2,4-Dichlorophenol	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Naphthalene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
4-Chloroaniline	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Hexachlorobutadiene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Caprolactam	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
4-Chloro-3-methylphenol	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2-Methylnaphthalene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Hexachlorocyclopentadiene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2,4,6-Trichlorophenol	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2,4,5-Trichlorophenol	970	U	1200	U	1200	U	1300	U	8700	U	4800	U	18000	U
1,1'-Biphenyl	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2-Chloronaphthalene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2-Nitroaniline	970	U	1200	U	1200	U	1300	U	8700	U	4800	U	18000	U
Dimethylphthalate	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2,6-Dinitrotoluene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Acenaphthylene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
3-Nitroaniline	970	U	1200	U	1200	U	1300	U	8700	U	4800	U	18000	U
Acenaphthene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2,4-Dinitrophenol	970	U	1200	U	1200	U	1300	U	8700	U	4800	U	18000	U
4-Nitrophenol	970	U	1200	U	1200	U	1300	U	8700	U	4800	U	18000	U
Dibenzofuran	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
2,4-Dinitrotoluene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Diethylphthalate	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Fluorene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
4-Chlorophenyl-phenyl ether	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
4-Nitroaniline	970	U	1200	U	1200	U	1300	U	8700	U	4800	U	18000	U
4,6-Dinitro-2-methylphenol	970	U	1200	U	1200	U	1300	U	8700	U	4800	U	18000	U
N-Nitrosodiphenylamine	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
4-Bromophenyl-phenylether	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Hexachlorobenzene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Atrazine	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Pentachlorophenol	970	U	1200	U	1200	U	1300	U	8700	U	4800	U	18000	U
Phenanthrene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Anthracene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Carbazole	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No. : 28064 SDG : F02J2 Reviewer : Y. Hsieh

Laboratory : AATSLA Matrix : Soil Units : ug/Kg

SEMIVOLATILE EPA SAMPLE NUMBER :	F0-2JZ	FLAG	F0-2J2	FLAG	F0-2J3	FLAG	F0-2KB	FLAG	F0-2KC	FLAG	F0-2KE	FLAG	F0-2KF	FLAG
Di-n-butylphthalate	47	LJ	63	LJ	470	U	68	LJ	3500	U	1900	U	7000	U
Fluoranthene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Pyrene	380	U	480	U	470	U	520	U	3500	U	960	LJ	7000	U
Butylbenzylphthalate	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
3,3'-Dichlorobenzidine	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Benzo(a)anthracene	380	U	480	U	470	U	520	U	3500	U	420	LJ	7000	U
Chrysene	85	LJ	480	U	470	U	520	U	3500	U	2500		7000	U
bis(2-Ethylhexyl)phthalate	380	U	480	U	92	LJ	97	LJ	3500	U	320	LJ	7000	U
Di-n-octylphthalate	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Benzo(b)fluoranthene	380	U	480	U	470	U	520	U	3500	U	360	LJ	7000	U
Benzo(k)fluoranthene	380	U	480	U	470	U	520	U	3500	U	260	LJ	7000	U
Benzo(a)pyrene	39	LJ	480	U	470	U	520	U	3500	U	250	LJ	7000	U
Indeno(1,2,3-cd)pyrene	380	U	480	U	470	U	520	U	3500	U	1900	U	7000	U
Dibenzo(a,h)anthracene	380	U	480	U	470	U	520	U	3500	U	200	LJ	7000	U
Benzo(g,h,i)perylene	100	LJ	90	LJ	100	LJ	520	U	3500	U	420	LJ	7000	U
Sample wt (g) :	30		30		30		30		30		30		30	
%Moisture :	14		31		30		36		5		14		6	
Dilution Factor :	1		1		1		1		10		5		20	
Level :	Low		Low		Low		Low		Low		Low		Low	
Number of TIC's :	30		25		16		22		30		30		30	

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No. : 28064 SDG : F02J2 Reviewer : Y. Hsieh

Laboratory : AATSLA Matrix : Soil Units : ug/Kg

SEMIVOLATILE EPA SAMPLE NUMBER :	F0-2K0	FLAG	F0-2K3	FLAG	F0-2K4	FLAG	F0-2K5	FLAG	F0-2K7	FLAG	F0-2K8	FLAG		FLAG
Benzaldehyde	380	U	3700	U	4000	U	380	U	370	U	370	U		
Phenol	380	U	3700	U	4000	U	380	U	370	U	370	U		
bis-(2-Chloroethyl) ether	380	U	3700	U	4000	U	380	U	370	U	370	U		
2-Chlorophenol	380	U	3700	U	4000	U	380	U	370	U	370	U		
2-Methylphenol	380	U	3700	U	4000	U	380	U	370	U	370	U		
2,2'-oxybis(1-Chloropropane)	380	U	3700	U	4000	U	380	U	370	U	370	U		
Acetophenone	380	U	3700	U	4000	U	380	U	370	U	370	U		
4-Methylphenol	380	U	3700	U	4000	U	380	U	370	U	370	U		
N-Nitroso-di-n-propylamine	380	U	3700	U	4000	U	380	U	370	U	370	U		
Hexachloroethane	380	U	3700	U	4000	U	380	U	370	U	370	U		
Nitrobenzene	380	U	3700	U	4000	U	380	U	370	U	370	U		
Isophorone	380	U	3700	U	4000	U	380	U	370	U	370	U		
2-Nitrophenol	380	U	3700	U	4000	U	380	U	370	U	370	U		
2,4-Dimethylphenol	380	U	3700	U	4000	U	380	U	370	U	370	U		
bis(2-Chloroethoxy)methane	380	U	3700	U	4000	U	380	U	370	U	370	U		
2,4-Dichlorophenol	380	U	3700	U	4000	U	380	U	370	U	370	U		
Naphthalene	380	U	3700	U	4000	U	380	U	370	U	370	U		
4-Chloroaniline	380	U	3700	U	4000	U	380	U	370	U	370	U		
Hexachlorobutadiene	380	U	3700	U	4000	U	380	U	370	U	370	U		
Caprolactam	380	U	3700	U	4000	U	380	U	370	U	370	U		
4-Chloro-3-methylphenol	380	U	3700	U	4000	U	380	U	370	U	370	U		
2-Methylnaphthalene	380	U	3700	U	4000	U	380	U	370	U	370	U		
Hexachlorocyclopentadiene	380	U	3700	U	4000	U	380	U	370	U	370	U		
2,4,6-Trichlorophenol	380	U	3700	U	4000	U	380	U	370	U	370	U		
2,4,5-Trichlorophenol	950	U	9300	U	10000	U	940	U	920	U	920	U		
1,1'-Biphenyl	380	U	3700	U	4000	U	380	U	370	U	370	U		
2-Chloronaphthalene	380	U	3700	U	4000	U	380	U	370	U	370	U		
2-Nitroaniline	950	U	9300	U	10000	U	940	U	920	U	920	U		
Dimethylphthalate	380	U	3700	U	4000	U	380	U	370	U	370	U		
2,6-Dinitrotoluene	380	U	3700	U	4000	U	380	U	370	U	370	U		
Acenaphthylene	380	U	3700	U	4000	U	380	U	370	U	370	U		
3-Nitroaniline	950	U	9300	U	10000	U	940	U	920	U	920	U		
Acenaphthene	380	U	3700	U	4000	U	380	U	370	U	370	U		
2,4-Dinitrophenol	950	U	9300	U	10000	U	940	U	920	U	920	U		
4-Nitrophenol	950	U	9300	U	10000	U	940	U	920	U	920	U		
Dibenzofuran	380	U	3700	U	4000	U	380	U	370	U	370	U		
2,4-Dinitrotoluene	380	U	3700	U	4000	U	380	U	370	U	370	U		
Diethylphthalate	380	U	3700	U	4000	U	380	U	370	U	370	U		
Fluorene	380	U	3700	U	4000	U	380	U	370	U	370	U		
4-Chlorophenyl-phenyl ether	380	U	3700	U	4000	U	380	U	370	U	370	U		
4-Nitroaniline	950	U	9300	U	10000	U	940	U	920	U	920	U		
4,6-Dinitro-2-methylphenol	950	U	9300	U	10000	U	940	U	920	U	920	U		
N-Nitrosodiphenylamine	380	U	3700	U	4000	U	380	U	370	U	370	U		
4-Bromophenyl-phenylether	380	U	3700	U	4000	U	380	U	370	U	370	U		
Hexachlorobenzene	380	U	3700	U	4000	U	380	U	370	U	370	U		
Atrazine	380	U	3700	U	4000	U	380	U	370	U	370	U		
Pentachlorophenol	950	U	9300	U	10000	U	940	U	920	U	920	U		
Phenanthrene	380	U	3700	U	4000	U	380	U	90	LJ	370	U		
Anthracene	380	U	3700	U	4000	U	380	U	370	U	370	U		
Carbazole	380	U	3700	U	4000	U	380	U	370	U	370	U		

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No.: 28064 SDG: F02J2 Reviewer: Y. Hsieh

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

SEMIVOLATILE EPA SAMPLE NUMBER:	F0-2K0	FLAG	F0-2K3	FLAG	F0-2K4	FLAG	F0-2K5	FLAG	F0-2K7	FLAG	F0-2K8	FLAG		FLAG
Di-n-butylphthalate	47	LJ	3700	U	4000	U	380	U	370	U	60	LJ		
Fluoranthene	380	U	3700	U	4000	U	380	U	470		370	U		
Pyrene	380	U	3700	U	1200	LJ	380	U	490		370	U		
Butylbenzylphthalate	380	U	3700	U	4000	U	380	U	370	U	370	U		
3,3'-Dichlorobenzidine	380	U	3700	U	4000	U	380	U	370	U	370	U		
Benzo(a)anthracene	380	U	3700	U	4000	U	380	U	370		370	U		
Chrysene	380	U	2000	LJ	4800		380	U	580		370	U		
bis(2-Ethylhexyl)phthalate	380	U	3700	U	4000	U	55	LJ	370	U	69	LJ		
Di-n-octylphthalate	380	U	3700	U	4000	U	380	U	370	U	370	U		
Benzo(b)fluoranthene	380	U	3700	U	4000	U	380	U	990		370	U		
Benzo(k)fluoranthene	380	U	3700	U	4000	U	380	U	600		370	U		
Benzo(a)pyrene	380	U	740	LJ	1900	LJ	380	U	740		370	U		
Indeno(1,2,3-cd)pyrene	380	U	3700	U	4000	U	380	U	560		370	U		
Dibenzo(a,h)anthracene	380	U	3700	U	4000	U	380	U	220	LJ	370	U		
Benzo(g,h,i)perylene	380	U	1400	LJ	1700	LJ	380	U	610		370	U		
Sample wt (g):	30		30		30		30		30		30			
%Moisture:	13		11		18		12		10		10			
Dilution Factor:	1		10		10		1		1		1			
Level:	Low		Low		Low		Low		Low		Low			
Number of TIC's:	4		30		30		12		7		2			

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No.: 28064 SDG: F02J2 Reviewer: Y. Hsieh

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

PESTICIDES/PCBs EPA SAMPLE NUMBER:	F0-2JP	FLAG	F0-2JQ	FLAG	F0-2JR	FLAG	F0-2JT	FLAG	F0-2JW	FLAG	F0-2JX	FLAG	F0-2JY	FLAG
alpha-BHC	1.9	U	2.0	U	1.8	U	1.9	U	2.0	U	2.1	U	2.0	U
beta-BHC	1.9	U	2.0	U	1.8	U	1.9	U	2.0	U	2.1	U	2.0	U
delta-BHC	1.9	U	2.0	U	1.8	U	1.9	U	2.0	U	2.1	U	2.0	U
gamma-BHC (Lindane)	1.9	U	2.0	U	1.8	U	1.9	U	2.0	U	2.1	U	2.0	U
Heptachlor	1.9	U	2.0	U	1.8	U	1.9	U	2.0	U	2.1	U	2.0	U
Aldrin	1.9	U	2.0	U	1.8	U	1.9	U	2.0	U	2.1	U	2.0	U
Heptachlor epoxide	1.9	U	2.0	U	1.8	U	1.9	U	2.0	U	2.1	U	2.0	U
Endosulfan I	1.9	U	2.0	U	1.8	U	1.9	U	2.0	U	2.1	U	2.0	U
Dieldrin	3.7	U	3.9	U	3.5	U	3.7	U	4.0	U	4.1	U	3.9	U
4,4'-DDE	3.7	U	3.9	U	3.5	U	3.7	U	4.0	U	4.1	U	3.9	U
Endrin	3.7	U	3.9	U	3.5	U	3.7	U	4.0	U	4.1	U	3.9	U
Endosulfan II	3.7	U	3.9	U	1.4	LJ	3.7	U	4.0	U	4.1	U	3.9	U
4,4'-DDD	3.7	U	3.9	U	2.4	LJ	3.7	U	4.0	U	4.1	U	3.9	U
Endosulfan sulfate	3.7	U	3.9	U	2.4	LJ	3.7	U	4.0	U	4.1	U	3.9	U
4,4'-DDT	3.7	U	3.9	U	3.2	LJ	3.7	U	4.0	U	4.1	U	3.9	U
Methoxychlor	19	U	20	U	12	LJ	19	U	20	U	21	U	20	U
Endrin ketone	3.7	U	3.9	U	12	J^	3.7	U	4.0	U	4.1	U	3.9	U
Endrin aldehyde	3.7	U	3.9	U	3.1	LJ	3.7	U	4.0	U	4.1	U	3.9	U
alpha-Chlordane	1.9	U	2.0	U	0.56	LJ	1.9	U	2.0	U	2.1	U	2.0	U
gamma-Chlordane	1.9	U	2.0	U	1.8	U	1.9	U	2.0	U	2.1	U	2.0	U
Toxaphene	190	U	200	U	180	U	190	U	200	U	210	U	200	U
Aroclor-1016	37	U	39	U	35	U	37	U	40	U	41	U	39	U
Aroclor-1221	75	U	80	U	72	U	74	U	81	U	84	U	80	U
Aroclor-1232	37	U	39	U	35	U	37	U	40	U	41	U	39	U
Aroclor-1242	37	U	39	U	35	U	37	U	40	U	41	U	39	U
Aroclor-1248	37	U	39	U	35	U	37	U	40	U	41	U	39	U
Aroclor-1254	37	U	39	U	35	U	37	U	40	U	41	U	39	U
Aroclor-1260	37	U	39	U	35	U	37	U	40	U	41	U	39	U
Sample wt (g):	30		30		30		30		30		30		30	
%Moisture:	11		16		7		10		17		20		16	
Dilution Factor:	1		1		1		1		1		1		1	

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No.: 28064 SDG: F02J2 Reviewer: Y. Hsieh

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

PESTICIDES/PCBs EPA SAMPLE NUMBER:	F0-2JZ	FLAG	F0-2J2	FLAG	F0-2J3	FLAG	F0-2KB	FLAG	F0-2KC	FLAG	F0-2KE	FLAG	F0-2KEDL	FLAG
alpha-BHC	2.0	U	2.5	U	2.4	U	2.7	U	1.8	U	2.0	U	9.9	U*
beta-BHC	2.0	U	2.5	U	2.4	U	2.7	U	1.8	U	2.0	U	9.9	U*
delta-BHC	2.0	U	2.5	U	2.4	U	2.7	U	1.8	U	2.0	U	9.9	U*
gamma-BHC (Lindane)	2.0	U	2.5	U	2.4	U	2.7	U	1.8	U	2.0	U	9.9	U*
Heptachlor	2.0	U	2.5	U	2.4	U	2.7	U	1.8	U	2.0	U	9.9	U*
Aldrin	2.0	U	2.5	U	2.4	U	2.7	U	0.53	LJ	2.0	U	9.9	U*
Heptachlor epoxide	2.0	U	2.5	U	2.4	U	2.7	U	0.47	LJ	3.0	J	9.9	U*
Endosulfan I	2.0	U	2.5	U	2.4	U	2.7	U	1.1	LJ	2.9	J	9.9	U*
Dieldrin	3.8	U	4.8	U	4.7	U	5.2	U	0.41	LJ	4.4	J	19	U*
4,4'-DDE	3.8	U	4.8	U	4.7	U	5.2	U	3.0	LJ	3.8	U	19	U*
Endrin	3.8	U	4.8	U	4.7	U	5.2	U	3.5	U	3.8	U	19	U*
Endosulfan II	3.8	U	4.8	U	4.7	U	5.2	U	3.5	U	7.3	J^	19	U*
4,4'-DDD	3.8	U	4.8	U	4.7	U	5.2	U	2.2	LJ	3.8	U	19	U*
Endosulfan sulfate	3.8	U	4.8	U	4.7	U	5.2	U	3.5	U	24	J^	19	U*
4,4'-DDT	3.8	U	4.8	U	4.7	U	5.2	U	6.9	J^	38	J^	29	*
Methoxychlor	20	U	25	U	24	U	27	U	17	LJ	20	U	99	U*
Endrin ketone	3.8	U	4.8	U	4.7	U	5.2	U	11	J^	46	J^	51	*
Endrin aldehyde	3.8	U	4.8	U	4.7	U	5.2	U	6.6	J^	37	J^	30	*
alpha-Chlordane	2.0	U	2.5	U	2.4	U	2.7	U	1.8	U	2.0	U	9.9	U*
gamma-Chlordane	2.0	U	2.5	U	2.4	U	2.7	U	0.63	LJ	2.0	U	9.9	U*
Toxaphene	200	U	250	U	240	U	270	U	180	U	200	U	990	U*
Aroclor-1016	38	U	48	U	47	U	52	U	35	U	38	U	190	U*
Aroclor-1221	78	U	97	U	96	U	100	U	71	U	78	U	390	U*
Aroclor-1232	38	U	48	U	47	U	52	U	35	U	38	U	190	U*
Aroclor-1242	38	U	48	U	47	U	52	U	35	U	38	U	190	U*
Aroclor-1248	38	U	48	U	47	U	52	U	35	U	38	U	190	U*
Aroclor-1254	38	U	48	U	47	U	52	U	35	U	38	U	190	U*
Aroclor-1260	38	U	48	U	47	U	52	U	35	U	38	U	190	U*
Sample wt (g):	30		30		30		30		30		30		30	
%Moisture:	14		31		30		36		5		14		14	
Dilution Factor:	1		1		1		1		1		1		5	

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No. : 28064 SDG : F02J2 Reviewer : Y. Hsieh

Laboratory : AATSLA Matrix : Soil Units : ug/Kg

PESTICIDES/PCBs EPA SAMPLE NUMBER :	F0-2KF	FLAG	F0-2K0	FLAG	F0-2K3	FLAG	F0-2K3DL	FLAG	F0-2K4	FLAG	F0-2K4DL	FLAG	F0-2K5	FLAG
alpha-BHC	1.8	U	2.0	U	1.9	U	9.6	U *	2.1	U	10	U *	1.9	U
beta-BHC	1.8	U	2.0	U	1.9	U	9.6	U *	2.1	U	10	U *	1.9	U
delta-BHC	1.8	U	2.0	U	1.9	U	9.6	U *	2.1	U	10	U *	1.9	U
gamma-BHC (Lindane)	1.8	U	2.0	U	1.9	U	9.6	U *	2.1	U	10	U *	1.9	U
Heptachlor	1.8	U	2.0	U	1.9	U	9.6	U *	2.1	U	10	U *	1.9	U
Aldrin	0.43	LJ	2.0	U	1.9	U	9.6	U *	0.42	LJ	10	U *	1.9	U
Heptachlor epoxide	0.52	LJ	2.0	U	1.4	LJ	9.6	U *	4.0	J^	10	U *	1.9	U
Endosulfan I	0.82	LJ	2.0	U	1.4	LJ	9.6	U *	2.7	J	10	U *	1.9	U
Dieldrin	3.5	U	3.8	U	4.3	J	11	*	5.4	J	6.3	*	3.8	U
4,4'-DDE	2.1	LJ	3.8	U	2.5	LJ	7.9	*	8.5	J^	9.3	*	3.8	U
Endrin	1.3	LJ	3.8	U	3.7	U	19	U *	4.0	U	20	U *	3.8	U
Endosulfan II	3.5	U	3.8	U	1.8	LJ	19	U *	25	J^	11	*	3.8	U
4,4'-DDD	3.1	LJ	3.8	U	3.7	U	19	U *	4.0	U	20	U *	3.8	U
Endosulfan sulfate	3.5	U	3.8	U	47	J	55	*	66	*	170	J^	3.8	U
4,4'-DDT	6.8	J^	3.8	U	38	J^	40	*	50	J^	37	*	3.8	U
Methoxychlor	18	U	20	U	69	J^	58	*	77	J^	48	*	19	U
Endrin ketone	13	J^	3.8	U	33	J^	200	*	30	J^	62	*	3.8	U
Endrin aldehyde	9.1	J^	3.8	U	28	J	49	*	60	*	71	J^	3.8	U
alpha-Chlordane	1.8	U	2.0	U	1.9	U	1.4	*	2.1	U	2.1	*	1.9	U
gamma-Chlordane	1.9	J	2.0	U	1.9	U	9.6	U *	2.1	U	10	U *	1.9	U
Toxaphene	180	U	200	U	190	U	960	U *	210	U	1000	U *	190	U
Aroclor-1016	35	U	38	U	37	U	190	U *	40	U	200	U *	38	U
Aroclor-1221	71	U	77	U	75	U	380	U *	82	U	410	U *	76	U
Aroclor-1232	35	U	38	U	37	U	190	U *	40	U	200	U *	38	U
Aroclor-1242	35	U	38	U	37	U	190	U *	40	U	200	U *	38	U
Aroclor-1248	35	U	38	U	37	U	190	U *	40	U	200	U *	38	U
Aroclor-1254	35	U	38	U	37	U	190	U *	40	U	200	U *	38	U
Aroclor-1260	35	U	38	U	37	U	190	U *	40	U	200	U *	38	U
Sample wt (g) :	30		30		30		30		30		30		30	
%Moisture :	6		13		11		11		18		18		12	
Dilution Factor :	1		1		1		5		1		5		1	

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

Case No.: 28064 SDG: F02J2 Reviewer: Y. Hsieh

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

PESTICIDES/PCBs EPA SAMPLE NUMBER:	F0-2K7	FLAG	F0-2K8	FLAG		FLAG		FLAG		FLAG		FLAG		FLAG
alpha-BHC	1.9	U	1.9	U										
beta-BHC	1.9	U	1.9	U										
delta-BHC	1.9	U	1.9	U										
gamma-BHC (Lindane)	1.9	U	1.9	U										
Heptachlor	1.9	U	1.9	U										
Aldrin	1.9	U	1.9	U										
Heptachlor epoxide	1.9	U	1.9	U										
Endosulfan I	1.9	U	1.9	U										
Dieldrin	3.7	U	3.7	U										
4,4'-DDE	3.7	U	3.7	U										
Endrin	3.7	U	3.7	U										
Endosulfan II	3.7	U	3.7	U										
4,4'-DDD	3.7	U	3.7	U										
Endosulfan sulfate	3.7	U	3.7	U										
4,4'-DDT	3.7	U	3.7	U										
Methoxychlor	19	U	19	U										
Endrin ketone	3.7	U	3.7	U										
Endrin aldehyde	3.7	U	3.7	U										
alpha-Chlordane	1.9	U	1.9	U										
gamma-Chlordane	1.9	U	1.9	U										
Toxaphene	190	U	190	U										
Aroclor-1016	37	U	37	U										
Aroclor-1221	74	U	74	U										
Aroclor-1232	37	U	37	U										
Aroclor-1242	37	U	37	U										
Aroclor-1248	37	U	37	U										
Aroclor-1254	37	U	37	U										
Aroclor-1260	37	U	37	U										
Sample wt (g):	30		30											
%Moisture:	10		10											
Dilution Factor:	1		1											

Note: For the results listed in the Data Summary Table, ESAT has replaced the laboratory assigned flags with ESAT Organic Data Qualifiers. The ESAT flags indicate the technical usability of the reported results.

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 28064 SDG No. F02J2 SDG Nos. To Follow SAS No. Date Rec 06/20/00

EPA Lab ID: AATSLA

Lab Location: 11950 Industriplex Blvd, Baton Rouge, LA70809

Region: 6 Audit No.: 28064/F02J2

Re_Submitted CSF? Yes _____ No X

Box No(s): 1

COMMENTS:

Over for additional comments.

ORIGINALS	YES	NO	N/A
CUSTODY SEALS			
1. Present on package?	X		
2. Intact upon receipt?	X		
FORM DC-2			
3. Numbering scheme accurate?	X		
4. Are enclosed documents listed?	X		
5. Are listed documents enclosed?	X		
FORM DC-1			
6. Present?	X		
7. Complete?	X		
8. Accurate?	X		
CHAIN-OF-CUSTODY RECORD(s)			
9. Signed?	X		
10. Dated?	X		
TRAFFIC REPORT(s) PACKING LIST(s)			
11. Signed?	X		
12. Dated?	X		
AIRBILLS/AIRBILL STICKER			
13. Present?	X		
14. Signed?	X		
15. Dated?	X		
SAMPLE TAGS			
16. Does DC-1 list tags as being included?	X		
17. Present?	X		
OTHER DOCUMENTS			
18. Complete?	X		
19. Legible?	X		
20. Original?		X	
20a. If "NO", does the copy indicate where original documents are located?	X		

Audited by: Mingli Yu — Mingli Yu / ESAT Data Reviewer — Date 07/08/00

Audited by: _____ Date _____

Audited by: _____ Date _____

Signature — Printed Name/Title

TO BE COMPLETED BY CEAT

Date Recvd by CEAT: _____ Date Entered: _____ Date Reviewed: _____

Entered by: _____

Reviewed by: _____

Signature — Printed Name/Title

DC-2___

In Reference to Case No(s):
28064 SDG: F02J2 (O-2208)

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM
FAX Record Log

Laboratory Name: AATSLA
Lab Contact: John Troost

Region: 6
Regional Contact: Mahmoud El-Feky - EPA
ESAT Reviewer: Ying-Ping Hsieh - LMSG

FAX initiated by: ____Laboratory __X__Region

In reference to data for the following fractions:

CSF deliverables Pest/PCB

Summary of Questions/Issues:

A. CSF deliverables

Cooler temperature bottles were absent from all of the sample coolers according to the Form DC-1's. Please clarify whether or not SMO was contacted for this omission and submit the records of resolution (OLM04.2, p. B-57, sec. 3.19.2.15).

B. Pest/PCB

The peak integrations for the late-eluting pesticides listed below were inappropriate because background signals contributed to more than 50% of the integrated target compound peak areas. This problem resulted in unusually high DCB recoveries.

endrin ketone and DCB in sample F0-2JR;

DDT, endrin ketone, endrin aldehyde, and DCB in sample F0-2KC;

endosulfan II, endosulfan sulfate, DDT, endrin ketone, endrin aldehyde, and DCB in sample F0-2KE;

DDT, endrin ketone, endrin aldehyde, and DCB in sample F0-2KF;

FAX COMMUNICATION LOG

Continuation Page 2
Laboratory/Contact AATSLA/John Troost
In Reference To Case No. 28064 SDG: F02J2

B. Pest/PCB (continued)

DDT, methoxychlor, endrin ketone, and DCB in sample F0-2K3;

endosulfan II, DDT, methoxychlor, endrin ketone, and DCB in sample F0-2K4; and

endosulfan sulfate, endrin aldehyde, and DCB in sample F0-2K4DL.

Please comment or make the appropriate revision and resubmission of the data.

NOTE: Any laboratory resubmission should be submitted either as an addendum to the original CSF with a revised Form DC-2 or submitted as a new CSF with a new Form DC-2 (OLM04.2, p. B-26, 2.7.3), except those containing only replacement pages. Custody seals are required for all CSF resubmission shipments.

Please respond to the above items <u>within 7 days</u> to:

Mr. Mahmoud El-Feky
U.S. EPA Region 6 Laboratory
10625 Fallstone Road
Houston, TX 77099

If you have any questions, please contact me at (281) 983-2128.

M. Elfeky
Signature

7-26-00
Date

Distribution: (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 28064

1. Project Code	2. Region No. 6	Sampling Co. TNRCC	4. Date Shipped 5/18/00
Carrier Airborne Express			
Account Code	Sampler (Name) Wes Newberry		Airbill Number 2952377735
Site Name Falcon Refining	Sampler Signature		5. Ship To: AATSLA 11950 INDUSTRIPLEX BLVD BATON ROUGE, LA 70809 ATTN: SUSA STUART
City, State Ingleside, TX	Site Spill ID	Op Unit	

3. Purpose**
Lead: [ ] SF [ ] PRP [ ] ST [X] FED [ ] BZ
Early Action: [ ] IA [ ] PA [ ] REM [ ] RI [ ] SI [X] ESI
Long-Term Action: [ ] RIFS [ ] RD [ ] RA [ ] O&M

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. PE-water
7. PE-soil
8. Other (specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. CH3OH
7. Other (spec in Column
N. Not Preserv

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med	C Sample Type: Comp./Grab	D Preservative (from Box 7) Other:	E RAS Analysis TA (circle one) PR* 7 14 21 VOA	TA (circle one) PR* 7 14 21 BNA	TA (circle one) PR* 7 14 21 Pest/PCB	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier B = Blank S = Field D = Field Duplicate R = Resale PE = Perform Eval.
F02JP	5	L	G	5	X	X	X	6-188761-764	SO-10	5/17/00/1336	MF00P8	MC	—
F02JX	5	L	G	5	X	X	X	6-188822-825	SO-16	5/17/00/1055	MF00PE	WN	—
F02K0	5	L	G	5	X	X	X	6-188878-881	SO-19	5/17/00/1537	MF00PH	WN	—
F02K7	5	L	G	5	X	X	X	6-188942-945	SO-26	5/17/00/1555	MF00PQ	WN	—
F02KB	5	L	G	5	X	X	X	6-188934-937	SO-30	5/17/00/1414	MF00PW	WN	—
F02KC	5	L	G	5	X	X	X	6-188950-953	SO-31	5/17/00/1502	MF00PX	WN	—
F02KE	5	L	G	5	X	X	X	6-188974-977	SO-33	5/17/00/1512	MF00PZ	MC	—
F02KF	5	L	G	5	X	X	X	6-189303-306	SO-34	5/17/00/1507	MF00Q0	WN	D(F02K
F02J2	5	L	C	5	X	X	X	6-188567-570	SE-22	5/17/00/1131	MF00NK	MC	—

Shipment for Case Complete? (Y/N) N
Page 1 of 1
VOA MS/MSD Required? (Y)N Sample #: F02J2
BNA MS/MSD Required? (Y)N Sample #: F02J2
Pest/PCB MS/MSD Required? (Y)N Sample #: F02J2
Additional Sampler Signatures: Marshall Cochran
Chain of Custody Seal Number(s)

*PR provides 7-day data turnaround in addition to preliminary results. Requests for preliminary results will increase analytical costs.

Chain of Custody Record

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	5/18/00 1900				
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	

Distribution: Blue - Region Copy; White - Lab Copy for Return to SMO; Pink - SMO Copy; Yellow - Lab Copy for Return to Region

See Reverse for Additional Standard Instructions
**See Reverse for Purpose Code Definition

EPA Form 9110-2 (2/99)

CLASS-1

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EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 28064

1. Project Code	2. Region No. 6	Sampling Co. TTNRCC	4. Date Shipped 5/18/00
Account Code	Sampler (Name) Marshall Cedilote		Carrier Airborne Express
	Sampler Signature Marshall Cedilote		Airbill Number 2952378332
Site Name Falcon Refining	3. Purpose** Lead: SF, PRP, ST, FED, DZ; Early Action: IA, PA, REM, RI, SI, ESI; Long Term Action: RIFS, RD, RA, O&M		5. Ship To: AATSLA 11950 INDUSTRIPLEX BLVD BATON ROUGE, LA 70809 ATTN: SUSA STUART
City, State Ingleside, TX	Site Spill ID	Op Unit	

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. PE-water 7. PE-soil 8. Other (specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. CH3OH 7. Other (specify in Column D) N. Not Preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med	C Sample Type: Comp/Grab	D Preservative (from Box 7) Other:	E RAS Analysis TA (circle one) PR* 7 14 21 VOA	TA (circle one) PR* 7 14 21 BNA	TA (circle one) PR* 7 14 21 Pest/PCB	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank, S = Field Sp, D = Field Duplicate, R = Resale, PE = Perform Eval)
F02JQ	5	L	G	5	X	X	X	6-188732-735	SO-11	5/17/00/1355	MF00P9	MC	—
F02JR	5	L	G	5	X	X	X	6-188894-897	SO-12	5/17/00/1416	MF00PA	MC	—
F02JT	5	L	G	5	X	X	X	6-188926-929	SO-14	5/17/00/1447	MF00PC	MC	—
F02JW	5	L	G	5	X	X	X	6-188810-813	SO-15	5/17/00/0912	MF00PD	WN	—
F02J4	5	L	G	5	X	X	X	6-188838-841	SO-17	5/17/00/1438	MF00PF	WN	—
F02J3	5	L	C	5	X	X	X	6-188623-626	SE-23	5/17/00/1138	MF00NL	MC	D(F02J

Shipment for Case Complete? (Y/N) N

Page 1 of 1

VOA MS/MSD Required? Y/N Sample #:
BNA MS/MSD Required? Y/N Sample #:
Pest/PCB MS/MSD Required? Y/N Sample #:

Additional Sampler Signatures: [illegible]

Chain of Custody Seal Number(s)

*PR provides 7-day data turnaround in addition to preliminary results. Requests for preliminary results will increase analytical costs.

Chain of Custody Record

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[illegible]	5/18/00 1900				
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	

Distribution: Blue - Region Copy; White - Lab Copy for Return to SMO; Pink - SMO Copy; Yellow - Lab Copy for Return to Region

See Reverse for Additional Standard Instructi
**See Reverse for Purpose Code Definitions

EPA Form 9110-2 (2/99)

CLASS-99

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 28064

1. Project Code:
2. Region No.: 6
Sampling Co.: TNRCC
4. Date Shipped: 5/18/00
Carrier: Airborne Express
Account Code:
Sampler (Name): Wes Newberry
Airbill Number: 2952379135
Site Name: Falcon Refining
Sampler Signature:
5. Ship To: AATS LA, 11950 INDUSTRIPLEX BLVD, BATON ROUGE, LA 70809, ATTN: SUSA STUART
City, State: Ingleside, TX
Site Spill ID:
Op Unit:
3. Purpose**: Lead [ ] SF [ ] PRP [ ] ST [X] FED [ ] BZ; Early Action [ ] IA [ ] PA [ ] REM [ ] RI [ ] SI [X] ESI; Long-Term Action [ ] RI/FS [ ] RD [ ] RA [ ] O&M

6. Matrix (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. PE-water 7. PE-soil 8. Other (specify in Column A)

7. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. CH3OH 7. Other (specify in Column D) N. Not Preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc.: Low Med	C Sample Type: Comp./Grab	D Preservative (from Box 7) Other:	E RAS Analysis TA (circle one) PR* 7 (14) 21 VOA	TA (circle one) PR* 7 (14) 21 BNA	TA (circle one) PR* 7 (14) 21 Pest/PCB	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank, S = Field Spike, D = Field Duplicate, R = Resale, PE = Perform Eval.)
F02JZ	5	L	G	5	X	X	X	6-188854-857	SO-18	5/17/00/1038	MF00PG	WN	—
F02K3	5	L	G	5	X	X	X	6-189029-032	SO-22	5/17/00/0930	MF00PL	WN	—
F02K4	5	L	G	5	X	X	X	6-189047-050	SO-23	5/17/00/0935	MF00PM	WN	D(F02K3)
F02K5	5	L	G	5	X	X	X	6-189055-058	SO-24	5/17/00/1113	MF00PN	WN	—
F02K8	5	L	G	5	X	X	X	6-188458-461	SO-27	5/17/00/1358	MF00PR	WN	—
F02K9	5	L	G	5	X	X	X	6-188483-486	SO-28	5/17/00/1352	MF00PS	WN	—
F02J4	5	L	C	5	X	X	X	6-188687-690	SE-24	5/17/00/1218	MF00NM	MC	—
F02J6	5	L	C	5	X	X	X	6-188527-530	SE-26	5/17/00/0914	MF00NP	MC	—

Shipment for Case Complete? (Y/N): N
Page 1 of 1
VOA MS/MSD Required? (Y/N) Sample #: F02J4
BNA MS/MSD Required? (Y/N) Sample #: F02J4
Pest/PCB MS/MSD Required? (Y/N) Sample #: F02J4
Additional Sampler Signatures: Marshall Cochran
Chain of Custody Seal Number(s):

*PR provides 7-day data turnaround in addition to preliminary results. Requests for preliminary results will increase analytical costs.

Chain of Custody Record

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	5/18/00 1900				
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	

Distribution: Blue - Region Copy; White - Lab Copy for Return to SMO; Pink - SMO Copy; Yellow - Lab Copy for Return to Region

See Reverse for Additional Standard Instructions
**See Reverse for Purpose Code Definitions

EPA Form 9110-2 (2/99)

CLASS-99-001

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J2

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A11.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 31 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	49	B
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J2

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A11.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 31 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (total)	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02J2

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A11.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 31 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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19.					
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22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A14.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 30 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	17	B
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	33	B
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A14.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 30 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (total)	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02J3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A14.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 30 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JP

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A15.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 11 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	29	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JP

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A15.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 11 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JP

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A15.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 11 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JQ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A16.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 16 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	32	B
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JQ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A16.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 16 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JQ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A16.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 16 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JR

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A17.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 7 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	25	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JR

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A17.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 7 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JR

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A17.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 7 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A18.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 10 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	27	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A18.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 10 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A18.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 10 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A19.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 17 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	33	B
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A19.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 17 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A19.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 17 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A20.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 20 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	10	BJ
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	41	B
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-Butyl Ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon Tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A20.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 20 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A20.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 20 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A17.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 16 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	17	B
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	1	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A17.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 16 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A17.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 16 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A22.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 14 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	5	BJ
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	28	B
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A22.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 14 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A22.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 14 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K0

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A23.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 13 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	28	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K0

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A23.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 13 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K0

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A23.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 13 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.14

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A24.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 11 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	32	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.14

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A24.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 11 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.14

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A24.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 11 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.15

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A18.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 18 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	4	BJ
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	20	B
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	2	J

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.15

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A18.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 18 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.15

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A18.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 18 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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	11.08	9	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K5

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.16

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A26.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 12 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	3	BJ
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	27	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K5

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.16

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A26.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 12 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K5

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.16

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A26.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 12 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
1.					
2.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K7

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.17

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A27.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 10 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	18	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K7

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.17

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A27.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 10 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K7

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.17

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 144A27.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 10 Date Analyzed: 05/23/00

GC Column: DB-624 ID: 0.53 (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
1.					
2.					
3.					
4.					
5.					
6.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K8

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.18

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A07.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 10 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	15	B
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	7	BJ
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K8

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.18

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A07.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 10 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K8

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.18

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A07.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 10 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
1.					
2.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KB

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.19

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A08.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 36 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	16	U
74-87-3	Chloromethane	16	U
75-01-4	Vinyl Chloride	16	U
74-83-9	Bromomethane	16	U
75-00-3	Chloroethane	16	U
75-69-4	Trichlorofluoromethane	16	U
75-35-4	1,1-Dichloroethene	16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16	U
67-64-1	Acetone	17	B
75-15-0	Carbon Disulfide	16	U
79-20-9	Methyl Acetate	16	U
75-09-2	Methylene Chloride	11	BJ
156-60-5	trans-1,2-Dichloroethene	16	U
1634-04-4	Methyl tert-Butyl Ether	16	U
75-34-3	1,1-Dichloroethane	16	U
156-59-2	cis-1,2-Dichloroethene	16	U
78-93-3	2-Butanone	3	J
67-66-3	Chloroform	16	U
71-55-6	1,1,1-Trichloroethane	16	U
110-82-7	Cyclohexane	16	U
56-23-5	Carbon Tetrachloride	16	U
71-43-2	Benzene	16	U
107-06-2	1,2-Dichloroethane	16	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KB

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.19

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A08.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 36 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	16	U
108-87-2	Methylcyclohexane	16	U
78-87-5	1,2-Dichloropropane	16	U
75-27-4	Bromodichloromethane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
108-88-3	Toluene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
79-00-5	1,1,2-Trichloroethane	16	U
127-18-4	Tetrachloroethene	16	U
591-78-6	2-Hexanone	16	U
124-48-1	Dibromochloromethane	16	U
106-93-4	1,2-Dibromoethane	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
1330-20-7	Xylene (total)	16	U
100-42-5	Styrene	16	U
75-25-2	Bromoform	16	U
98-82-8	Isopropylbenzene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
541-73-1	1,3-Dichlorobenzene	16	U
106-46-7	1,4-Dichlorobenzene	16	U
95-50-1	1,2-Dichlorobenzene	16	U
96-12-8	1,2-Dibromo-3-chloropropane	16	U
120-82-1	1,2,4-Trichlorobenzene	16	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KB

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.19

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A08.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 36 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KC

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.20

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A19.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 5 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	25	B
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	20	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KC

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.20

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A19.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 5 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	2	J
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KC

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.20

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A19.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 5 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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	13.97	8	J
2.	UNKNOWN	14.88	9	J
3.	UNKNOWN	16.98	7	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A10.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 14 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	7	BJ
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	10	BJ
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A10.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 14 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A10.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 14 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
1.					
2.					
3.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KF

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.22

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A20.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 6 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	32	B
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	22	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KF

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.22

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A20.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 6 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (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
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	3	J
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	1	J
1330-20-7	Xylene (total)	5	J
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KF

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.22

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A20.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: not dec. 6 Date Analyzed: 05/24/00

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	13.94	23	J
2.	UNKNOWN	14.16	6	J
3.	UNKNOWN	14.63	7	J
4. 95-36-3	1,2,4-TRIMETHYLBENZENE	14.86	37	JN
5.	UNKNOWN	15.13	13	J
6. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	15.46	18	JN
7.	UNKNOWN	15.88	42	J
8.	UNKNOWN	16.13	24	J
9. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	16.30	13	JN
10.	UNKNOWN	16.42	9	J
11.	UNKNOWN	16.60	15	J
12. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	16.76	13	JN
13.	UNKNOWN	16.96	22	J
14.	UNKNOWN	17.07	14	J
15.	UNKNOWN	17.69	56	J
16.	UNKNOWN	18.37	11	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J2

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F05.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	480	U
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)ether	480	U
95-57-8	2-Chlorophenol	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-oxybis(1-Chloropropane)	480	U
98-86-2	Acetophenone	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-di-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
105-60-2	Caprolactam	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	480	U
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	480	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	480	U
606-20-2	2,6-Dinitrotoluene	480	U
208-96-8	Acenaphthylene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	480	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02J2

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F05.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	480	U
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	480	U
86-73-7	Fluorene	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
1912-24-9	Atrazine	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	480	U
120-12-7	Anthracene	480	U
86-74-8	Carbazole	480	U
84-74-2	Di-n-butylphthalate	63	J
206-44-0	Fluoranthene	480	U
129-00-0	Pyrene	480	U
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)anthracene	480	U
218-01-9	Chrysene	480	U
117-81-7	bis(2-Ethylhexyl)phthalate	480	U
117-84-0	Di-n-octylphthalate	480	U
205-99-2	Benzo(b)fluoranthene	480	U
207-08-9	Benzo(k)fluoranthene	480	U
50-32-8	Benzo(a)pyrene	480	U
193-39-5	Indeno(1,2,3-cd)pyrene	480	U
53-70-3	Dibenz(a,h)anthracene	480	U
191-24-2	Benzo(g,h,i)perylene	90	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02J2

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F05.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.58	190	J
2. 57-10-3	HEXADECANOIC ACID	8.35	100	JN
3.	UNKNOWN	10.27	180	BJ
4. 74685-33-9	3-EICOSENE, (E)-	10.98	180	JN
5.	UNKNOWN	11.07	97	J
6.	UNKNOWN	11.63	120	J
7.	UNKNOWN	12.24	140	J
8. 205-82-3	BENZO[J]FLUORANTHENE	12.91	160	JN
9.	UNKNOWN	13.15	120	J
10.	UNKNOWN	13.49	140	J
11.	UNKNOWN	13.63	190	J
12.	UNKNOWN	13.66	180	J
13.	UNKNOWN	13.84	190	J
14. 80-97-7	CHOLESTANOL	13.88	150	JN
15.	UNKNOWN	13.95	130	J
16.	UNKNOWN	14.00	160	J
17.	UNKNOWN	14.09	99	J
18.	UNKNOWN	14.35	160	J
19.	UNKNOWN	14.49	380	J
20.	UNKNOWN	14.82	310	J
21.	UNKNOWN	14.90	230	J
22.	UNKNOWN	15.14	200	J
23.	UNKNOWN	15.29	120	J
24. 1058-61-3	STIGMAST-4-EN-3-ONE	15.67	110	JN
25.	UNKNOWN	16.56	120	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F08.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	470	U
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
98-86-2	Acetophenone	470	U
106-44-5	4-Methylphenol	48	J
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
105-60-2	Caprolactam	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	470	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	470	U
606-20-2	2,6-Dinitrotoluene	470	U
208-96-8	Acenaphthylene	470	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	470	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02J3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F08.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	470	U
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
86-73-7	Fluorene	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
1912-24-9	Atrazine	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	470	U
120-12-7	Anthracene	470	U
86-74-8	Carbazole	470	U
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	470	U
129-00-0	Pyrene	470	U
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)anthracene	470	U
218-01-9	Chrysene	470	U
117-81-7	bis(2-Ethylhexyl)phthalate	92	J
117-84-0	Di-n-octylphthalate	470	U
205-99-2	Benzo(b)fluoranthene	470	U
207-08-9	Benzo(k)fluoranthene	470	U
50-32-8	Benzo(a)pyrene	470	U
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenz(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	100	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02J3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F08.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.58	130	J
2.	UNKNOWN	7.42	260	J
3.	UNKNOWN	8.60	110	J
4. 149-30-4	2-MERCAPTOBENZOTHIAZOLE	8.64	190	BJN
5.	UNKNOWN	9.01	110	BJ
6.	UNKNOWN	10.27	320	BJ
7.	UNKNOWN	10.43	160	J
8.	UNKNOWN	10.56	110	BJ
9.	UNKNOWN	10.64	620	BJ
10.	UNKNOWN	10.99	110	J
11.	UNKNOWN	11.96	110	J
12.	UNKNOWN	13.39	150	J
13.	UNKNOWN	13.62	99	J
14.	UNKNOWN	13.84	98	J
15.	UNKNOWN	14.35	140	J
16.	UNKNOWN	14.89	97	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JP

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F09.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02JP

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F09.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

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	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JP

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F09.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.58	170	J
2. 540-97-6	CYCLOHEXASILOXANE, DODECAMET	4.48	76	JN
3.	UNKNOWN	10.25	110	BJ
4.	UNKNOWN	16.20	80	J
5.	UNKNOWN	16.39	140	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JQ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F10.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	48	J
106-44-5	4-Methylphenol	43	J
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
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	990	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	390	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02JQ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F10.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	990	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	47	J
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	62	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JQ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F10.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	.ALPHA.-PINENE	2.69	170	JN
2. 57-10-3	HEXADECANOIC ACID	8.36	150	JN
3.	UNKNOWN	9.02	190	BJ
4.	UNKNOWN	10.26	210	BJ
5. 4429-77-0	CYCLOHEPTADECANOL	12.42	190	JN
6.	UNKNOWN	13.71	200	J
7.	UNKNOWN	13.83	210	J
8.	UNKNOWN	14.37	530	J
9.	UNKNOWN	14.40	200	J
10.	UNKNOWN	14.82	340	J
11.	UNKNOWN	14.89	220	J
12.	UNKNOWN	15.00	210	J
13.	UNKNOWN	15.05	180	J
14.	UNKNOWN	15.10	290	J
15.	UNKNOWN	15.15	300	J
16.	UNKNOWN	15.28	460	J
17.	UNKNOWN	15.41	190	J
18.	UNKNOWN	15.45	330	J
19.	UNKNOWN	15.58	1100	J
20.	UNKNOWN	15.69	830	J
21.	UNKNOWN	15.84	590	J
22.	UNKNOWN	15.89	400	J
23.	UNKNOWN	15.95	370	J
24.	UNKNOWN	16.02	150	J
25.	UNKNOWN	16.25	1700	J
26.	UNKNOWN	16.38	190	J
27.	UNKNOWN	16.44	1100	J
28.	UNKNOWN	16.60	390	J
29.	UNKNOWN	16.97	920	J
30.	UNKNOWN	17.18	500	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JR

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F11.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

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

CAS NO.	COMPOUND	ug/Kg	Q
100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
106-44-5	4-Methylphenol	550	J
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	8900	U
92-52-4	1,1'-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	8900	U
131-11-3	Dimethylphthalate	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
208-96-8	Acenaphthylene	3500	U
99-09-2	3-Nitroaniline	8900	U
83-32-9	Acenaphthene	3500	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02JR

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F11.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	8900	U
100-02-7	4-Nitrophenol	8900	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
86-73-7	Fluorene	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
100-01-6	4-Nitroaniline	8900	U
534-52-1	4,6-Dinitro-2-methylphenol	8900	U
86-30-6	N-Nitrosodiphenylamine (1)	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	8900	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3'-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U
117-84-0	Di-n-octylphthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

(1) Cannot be seperated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JR

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F11.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.2 Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.17	1300	J
2.	UNKNOWN	11.36	930	J
3.	UNKNOWN	11.47	930	J
4.	UNKNOWN	11.75	840	J
5.	UNKNOWN	11.86	840	J
6.	UNKNOWN	11.92	1300	J
7.	UNKNOWN	12.44	950	J
8.	UNKNOWN	12.49	720	J
9.	UNKNOWN	12.59	2500	J
10.	UNKNOWN	12.66	1200	J
11.	UNKNOWN	12.70	1500	J
12.	UNKNOWN	12.74	2000	J
13.	UNKNOWN	12.79	1800	J
14.	UNKNOWN	12.83	1800	J
15.	UNKNOWN	12.88	1500	J
16.	UNKNOWN	12.92	940	J
17.	UNKNOWN	12.94	4100	J
18.	UNKNOWN	13.01	5200	J
19.	UNKNOWN	13.17	2900	J
20.	UNKNOWN	13.24	1200	J
21.	UNKNOWN	13.28	960	J
22.	UNKNOWN	13.30	1400	J
23.	UNKNOWN	13.36	3600	J
24.	UNKNOWN	13.41	1200	J
25.	UNKNOWN	13.52	2300	J
26.	UNKNOWN	13.59	1100	J
27.	UNKNOWN	13.62	1200	J
28.	UNKNOWN	13.66	840	J
29.	UNKNOWN	13.98	820	J
30.	UNKNOWN	14.03	1400	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F12.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02JT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F12.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	45	J
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be seperated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F12.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.58	120	J
2.		UNKNOWN	10.27	190	BJ
3.		UNKNOWN	12.69	84	J
4.		UNKNOWN	14.00	89	J
5.					
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F13.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02JW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F13.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

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	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	64	J
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F13.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Extraction: (Type) SONC

Number TICs found: 13

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.76	97	J
2.		UNKNOWN	3.58	140	J
3.		UNKNOWN	9.01	140	BJ
4.		UNKNOWN	10.26	120	BJ
5.		UNKNOWN	12.99	94	J
6.		UNKNOWN	14.35	91	J
7.		UNKNOWN	14.45	83	J
8.		UNKNOWN	15.27	96	J
9.		UNKNOWN	15.56	150	J
10.	1058-61-3	STIGMAST-4-EN-3-ONE	15.65	96	JN
11.		UNKNOWN	15.92	96	J
12.		UNKNOWN	16.21	120	J
13.		UNKNOWN	16.39	130	J
14.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F14.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02JX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F14.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	56	J
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)phthalate	53	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be seperated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F14.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICs found: 19

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.53	190	J
2.		UNKNOWN	2.75	120	J
3.	91-17-8	NAPHTHALENE, DECAHYDRO-	3.30	160	JN
4.	541-02-6	CYCLOPENTASILOXANE, DECAMETH	3.58	260	JN
5.	112-27-6	TRIETHYLENE GLYCOL	4.13	870	JN
6.		UNKNOWN	7.08	130	J
7.		UNKNOWN	7.90	97	J
8.		UNKNOWN	8.15	92	J
9.	57-10-3	HEXADECANOIC ACID	8.36	190	JN
10.		UNKNOWN	10.46	89	J
11.		UNKNOWN	14.34	110	J
12.		UNKNOWN	14.49	320	J
13.	83-47-6	.GAMMA.-SITOSTEROL	14.81	200	JN
14.		UNKNOWN	15.13	130	J
15.		UNKNOWN	15.26	120	J
16.		UNKNOWN	15.41	95	J
17.		UNKNOWN	15.66	120	J
18.		UNKNOWN	16.20	120	J
19.		UNKNOWN	16.77	90	J
20.					
21.					
22.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F15.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	990	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	390	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02JY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F15.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	990	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F15.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

Number TICs found: 29

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.65	350	BJ
2.		UNKNOWN	11.47	100	J
3.		UNKNOWN	11.62	120	J
4.		UNKNOWN	11.92	120	J
5.		UNKNOWN	12.13	89	J
6.		UNKNOWN	12.44	170	J
7.		UNKNOWN	12.58	200	J
8.		UNKNOWN	12.74	110	J
9.		UNKNOWN	12.79	80	J
10.		UNKNOWN	12.94	120	J
11.		UNKNOWN	13.01	360	J
12.		UNKNOWN	13.12	150	J
13.	36728-72-0	28-NOR-17.BETA.(H)-HOPANE	13.36	300	JN
14.		UNKNOWN	13.51	200	J
15.		UNKNOWN	13.56	81	J
16.	53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	13.62	170	JN
17.		UNKNOWN	13.65	230	J
18.		UNKNOWN	13.69	150	J
19.		UNKNOWN	13.86	150	J
20.		UNKNOWN	13.98	230	J
21.		UNKNOWN	14.03	480	J
22.		UNKNOWN	14.51	170	J
23.		UNKNOWN	14.92	150	J
24.	36728-72-0	28-NOR-17.BETA.(H)-HOPANE	15.02	99	JN
25.		UNKNOWN	15.46	110	J
26.		UNKNOWN	15.58	86	J
27.		UNKNOWN	15.69	90	J
28.		UNKNOWN	16.26	150	J
29.		UNKNOWN	16.44	150	J
30.					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F16.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	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	970	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	380	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02JZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F16.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	47	J
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	85	J
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	39	J
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	100	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F16.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 79-92-5	CAMPHENE	2.77	360	JN
2.	UNKNOWN	9.01	110	BJ
3.	UNKNOWN	10.65	300	BJ
4.	UNKNOWN	12.58	200	J
5.	UNKNOWN	12.64	120	J
6.	UNKNOWN	12.72	120	J
7.	UNKNOWN	12.77	230	J
8.	UNKNOWN	12.87	110	J
9. 198-55-0	PERYLENE	12.91	380	JN
10.	UNKNOWN	13.11	120	J
11.	UNKNOWN	13.16	130	J
12.	UNKNOWN	13.26	120	J
13.	UNKNOWN	13.28	110	J
14.	UNKNOWN	13.40	170	J
15.	UNKNOWN	13.51	160	J
16.	UNKNOWN	13.66	190	J
17. 87-44-5	CARYOPHYLLENE	14.42	450	JN
18.	UNKNOWN	15.27	190	J
19.	UNKNOWN	15.41	250	J
20.	UNKNOWN	15.59	220	J
21.	UNKNOWN	15.82	340	J
22.	UNKNOWN	16.02	150	J
23.	UNKNOWN	16.25	980	J
24.	UNKNOWN	16.38	470	J
25.	UNKNOWN	16.62	610	J
26.	UNKNOWN	16.89	150	J
27.	UNKNOWN	16.95	450	J
28.	UNKNOWN	17.10	420	J
29.	UNKNOWN	17.18	160	J
30.	UNKNOWN	17.28	670	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K0

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F17.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	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	950	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02K0

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F17.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

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	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	47	J
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K0

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F17.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.01	160	BJ
2.		UNKNOWN	13.70	89	J
3.		UNKNOWN	16.21	200	J
4.		UNKNOWN	16.40	200	J
5.					
6.					
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F18.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	3700	U
108-95-2	Phenol	3700	U
111-44-4	bis(2-Chloroethyl)ether	3700	U
95-57-8	2-Chlorophenol	3700	U
95-48-7	2-Methylphenol	3700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3700	U
98-86-2	Acetophenone	3700	U
106-44-5	4-Methylphenol	3700	U
621-64-7	N-Nitroso-di-n-propylamine	3700	U
67-72-1	Hexachloroethane	3700	U
98-95-3	Nitrobenzene	3700	U
78-59-1	Isophorone	3700	U
88-75-5	2-Nitrophenol	3700	U
105-67-9	2,4-Dimethylphenol	3700	U
111-91-1	bis(2-Chloroethoxy)methane	3700	U
120-83-2	2,4-Dichlorophenol	3700	U
91-20-3	Naphthalene	3700	U
106-47-8	4-Chloroaniline	3700	U
87-68-3	Hexachlorobutadiene	3700	U
105-60-2	Caprolactam	3700	U
59-50-7	4-Chloro-3-methylphenol	3700	U
91-57-6	2-Methylnaphthalene	3700	U
77-47-4	Hexachlorocyclopentadiene	3700	U
88-06-2	2,4,6-Trichlorophenol	3700	U
95-95-4	2,4,5-Trichlorophenol	9300	U
92-52-4	1,1'-Biphenyl	3700	U
91-58-7	2-Chloronaphthalene	3700	U
88-74-4	2-Nitroaniline	9300	U
131-11-3	Dimethylphthalate	3700	U
606-20-2	2,6-Dinitrotoluene	3700	U
208-96-8	Acenaphthylene	3700	U
99-09-2	3-Nitroaniline	9300	U
83-32-9	Acenaphthene	3700	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02K3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F18.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9300	U
100-02-7	4-Nitrophenol	9300	U
132-64-9	Dibenzofuran	3700	U
121-14-2	2,4-Dinitrotoluene	3700	U
84-66-2	Diethylphthalate	3700	U
86-73-7	Fluorene	3700	U
7005-72-3	4-Chlorophenyl-phenylether	3700	U
100-01-6	4-Nitroaniline	9300	U
534-52-1	4,6-Dinitro-2-methylphenol	9300	U
86-30-6	N-Nitrosodiphenylamine (1)	3700	U
101-55-3	4-Bromophenyl-phenylether	3700	U
118-74-1	Hexachlorobenzene	3700	U
1912-24-9	Atrazine	3700	U
87-86-5	Pentachlorophenol	9300	U
85-01-8	Phenanthrene	3700	U
120-12-7	Anthracene	3700	U
86-74-8	Carbazole	3700	U
84-74-2	Di-n-butylphthalate	3700	U
206-44-0	Fluoranthene	3700	U
129-00-0	Pyrene	3700	U
85-68-7	Butylbenzylphthalate	3700	U
91-94-1	3,3'-Dichlorobenzidine	3700	U
56-55-3	Benzo(a)anthracene	3700	U
218-01-9	Chrysene	2000	J
117-81-7	bis(2-Ethylhexyl)phthalate	3700	U
117-84-0	Di-n-octylphthalate	3700	U
205-99-2	Benzo(b)fluoranthene	3700	U
207-08-9	Benzo(k)fluoranthene	3700	U
50-32-8	Benzo(a)pyrene	740	J
193-39-5	Indeno(1,2,3-cd)pyrene	3700	U
53-70-3	Dibenz(a,h)anthracene	3700	U
191-24-2	Benzo(g,h,i)perylene	1400	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F18.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.65	980	J
2.	3353-12-6	PYRENE, 4-METHYL-	10.28	1400	JN
3.	84-15-1	O-TERPHENYL	10.74	1000	JN
4.	64401-21-4	PYRENE, 1,3-DIMETHYL-	10.83	1500	JN
5.	64401-21-4	PYRENE, 1,3-DIMETHYL-	10.87	1100	JN
6.	64401-21-4	PYRENE, 1,3-DIMETHYL-	11.00	1900	JN
7.	64401-21-4	PYRENE, 1,3-DIMETHYL-	11.04	1700	JN
8.		UNKNOWN	11.39	2300	J
9.		UNKNOWN	11.51	2000	J
10.		UNKNOWN	11.78	2000	J
11.		UNKNOWN	12.00	1200	J
12.	54986-63-9	BENZO[C]PHENANTHRENE, 5,8-DI	12.27	3200	JN
13.		UNKNOWN	12.45	2900	J
14.		UNKNOWN	12.76	2100	J
15.		UNKNOWN	12.81	1000	J
16.		UNKNOWN	12.84	1100	J
17.		UNKNOWN	12.92	1100	J
18.		UNKNOWN	12.96	3900	J
19.		UNKNOWN	13.38	2400	J
20.	3343-10-0	BENZ[J]ACEANTHRYLENE, 3-METH	13.43	1400	JN
21.		UNKNOWN	13.46	1200	J
22.		UNKNOWN	13.55	1400	J
23.		UNKNOWN	13.59	1200	J
24.		UNKNOWN	13.63	1800	J
25.		UNKNOWN	13.67	1900	J
26.		UNKNOWN	13.70	2000	J
27.		UNKNOWN	13.77	1400	J
28.	36728-72-0	28-NOR-17.BETA.(H)-HOPANE	14.00	1200	JN
29.		UNKNOWN	14.05	3100	J
30.		UNKNOWN	15.82	1100	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F19.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	4000	U
108-95-2	Phenol	4000	U
111-44-4	bis(2-Chloroethyl)ether	4000	U
95-57-8	2-Chlorophenol	4000	U
95-48-7	2-Methylphenol	4000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4000	U
98-86-2	Acetophenone	4000	U
106-44-5	4-Methylphenol	4000	U
621-64-7	N-Nitroso-di-n-propylamine	4000	U
67-72-1	Hexachloroethane	4000	U
98-95-3	Nitrobenzene	4000	U
78-59-1	Isophorone	4000	U
88-75-5	2-Nitrophenol	4000	U
105-67-9	2,4-Dimethylphenol	4000	U
111-91-1	bis(2-Chloroethoxy)methane	4000	U
120-83-2	2,4-Dichlorophenol	4000	U
91-20-3	Naphthalene	4000	U
106-47-8	4-Chloroaniline	4000	U
87-68-3	Hexachlorobutadiene	4000	U
105-60-2	Caprolactam	4000	U
59-50-7	4-Chloro-3-methylphenol	4000	U
91-57-6	2-Methylnaphthalene	4000	U
77-47-4	Hexachlorocyclopentadiene	4000	U
88-06-2	2,4,6-Trichlorophenol	4000	U
95-95-4	2,4,5-Trichlorophenol	10000	U
92-52-4	1,1'-Biphenyl	4000	U
91-58-7	2-Chloronaphthalene	4000	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethylphthalate	4000	U
606-20-2	2,6-Dinitrotoluene	4000	U
208-96-8	Acenaphthylene	4000	U
99-09-2	3-Nitroaniline	10000	U
83-32-9	Acenaphthene	4000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02K4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F19.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	U
132-64-9	Dibenzofuran	4000	U
121-14-2	2,4-Dinitrotoluene	4000	U
84-66-2	Diethylphthalate	4000	U
86-73-7	Fluorene	4000	U
7005-72-3	4-Chlorophenyl-phenylether	4000	U
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine (1)	4000	U
101-55-3	4-Bromophenyl-phenylether	4000	U
118-74-1	Hexachlorobenzene	4000	U
1912-24-9	Atrazine	4000	U
87-86-5	Pentachlorophenol	10000	U
85-01-8	Phenanthrene	4000	U
120-12-7	Anthracene	4000	U
86-74-8	Carbazole	4000	U
84-74-2	Di-n-butylphthalate	4000	U
206-44-0	Fluoranthene	4000	U
129-00-0	Pyrene	1200	J
85-68-7	Butylbenzylphthalate	4000	U
91-94-1	3,3'-Dichlorobenzidine	4000	U
56-55-3	Benzo(a)anthracene	4000	U
218-01-9	Chrysene	4800	
117-81-7	bis(2-Ethylhexyl)phthalate	4000	U
117-84-0	Di-n-octylphthalate	4000	U
205-99-2	Benzo(b)fluoranthene	4000	U
207-08-9	Benzo(k)fluoranthene	4000	U
50-32-8	Benzo(a)pyrene	1900	J
193-39-5	Indeno(1,2,3-cd)pyrene	4000	U
53-70-3	Dibenz(a,h)anthracene	4000	U
191-24-2	Benzo(g,h,i)perylene	1700	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F19.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2381-21-7	PYRENE, 1-METHYL-	10.17	1800	JN
2. 2381-21-7	PYRENE, 1-METHYL-	10.31	2600	JN
3.	UNKNOWN	10.60	2300	BJ
4. 64401-21-4	PYRENE, 1,3-DIMETHYL-	10.86	2100	JN
5. 64401-21-4	PYRENE, 1,3-DIMETHYL-	10.90	2300	JN
6. 64401-21-4	PYRENE, 1,3-DIMETHYL-	11.02	2700	JN
7. 84-15-1	O-TERPHENYL	11.06	2200	JN
8.	UNKNOWN	11.41	2900	J
9.	UNKNOWN	11.55	2400	J
10.	UNKNOWN	11.81	3500	J
11.	UNKNOWN	12.04	2500	J
12.	UNKNOWN	12.30	8300	J
13.	UNKNOWN	12.41	3400	J
14. 54986-63-9	BENZO[C]PHENANTHRENE, 5,8-DI	12.47	3800	JN
15.	UNKNOWN	12.55	3100	J
16.	UNKNOWN	12.61	2000	J
17.	UNKNOWN	12.67	3700	J
18.	UNKNOWN	12.77	3200	J
19.	UNKNOWN	12.98	4100	J
20.	UNKNOWN	13.33	1800	J
21.	UNKNOWN	13.39	4200	J
22.	UNKNOWN	13.45	2200	J
23.	UNKNOWN	13.49	2200	J
24.	UNKNOWN	13.69	3100	J
25.	UNKNOWN	13.72	1900	J
26.	UNKNOWN	13.79	2100	J
27.	UNKNOWN	14.02	2000	J
28.	UNKNOWN	14.07	4900	J
29.	UNKNOWN	14.47	1800	J
30.	UNKNOWN	15.06	2200	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K5

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F20.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	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	940	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	380	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02K5

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F20.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

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	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	55	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K5

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F20.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.08	82	J
2. 465-28-1	CAROTOL	6.42	120	JN
3. 36653-82-4	1-HEXADECANOL	7.91	83	JN
4. 629-73-2	1-HEXADECENE	9.02	110	JN
5.	UNKNOWN	11.57	90	J
6.	UNKNOWN	12.74	150	J
7.	UNKNOWN	14.49	100	J
8.	UNKNOWN	15.28	160	J
9.	UNKNOWN	15.57	120	J
10.	UNKNOWN	16.23	180	J
11.	UNKNOWN	16.41	230	J
12.	UNKNOWN	16.94	98	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K7

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F21.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

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

CAS NO.	COMPOUND	✓	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02K7

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F21.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	90	J
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	470	
129-00-0	Pyrene	490	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	
218-01-9	Chrysene	580	
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	990	
207-08-9	Benzo(k)fluoranthene	600	
50-32-8	Benzo(a)pyrene	740	
193-39-5	Indeno(1,2,3-cd)pyrene	560	
53-70-3	Dibenz(a,h)anthracene	220	J
191-24-2	Benzo(g,h,i)perylene	610	

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K7

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F21.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.58	110	J
2.	UNKNOWN	7.43	110	J
3. 629-76-5	1-PENTADECANOL	7.90	78	JN
4.	UNKNOWN	9.02	170	BJ
5. 198-55-0	PERYLENE	12.71	100	JN
6. 198-55-0	PERYLENE	12.92	470	JN
7.	1,2:4,5-DIBENZPYRENE	16.58	81	JN
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K8

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F22.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02K8

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F22.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	60	J
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	69	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K8

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F22.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.58	130	J
2.	UNKNOWN	16.40	260	J
3.				
4.				
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KB

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F23.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 36 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	520	U
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl)ether	520	U
95-57-8	2-Chlorophenol	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U
98-86-2	Acetophenone	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
91-20-3	Naphthalene	520	U
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
105-60-2	Caprolactam	520	U
59-50-7	4-Chloro-3-methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	1300	U
92-52-4	1,1'-Biphenyl	520	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	520	U
606-20-2	2,6-Dinitrotoluene	520	U
208-96-8	Acenaphthylene	520	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	520	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02KB

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F23.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 36 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

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
86-73-7	Fluorene	520	U
7005-72-3	4-Chlorophenyl-phenylether	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
1912-24-9	Atrazine	520	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	520	U
120-12-7	Anthracene	520	U
86-74-8	Carbazole	520	U
84-74-2	Di-n-butylphthalate	66	J
206-44-0	Fluoranthene	520	U
129-00-0	Pyrene	520	U
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	520	U
56-55-3	Benzo(a)anthracene	520	U
218-01-9	Chrysene	520	U
117-81-7	bis(2-Ethylhexyl)phthalate	97	J
117-84-0	Di-n-octylphthalate	520	U
205-99-2	Benzo(b)fluoranthene	520	U
207-08-9	Benzo(k)fluoranthene	520	U
50-32-8	Benzo(a)pyrene	520	U
193-39-5	Indeno(1,2,3-cd)pyrene	520	U
53-70-3	Dibenz(a,h)anthracene	520	U
191-24-2	Benzo(g,h,i)perylene	520	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KB

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F23.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 36 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICs found: 22

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.58	200	J
2.	112-27-6	TRIETHYLENE GLYCOL	4.11	260	JN
3.		UNKNOWN	7.91	180	J
4.	57-10-3	HEXADECANOIC ACID	8.36	140	JN
5.		UNKNOWN	9.02	310	BJ
6.		UNKNOWN	10.46	140	J
7.		UNKNOWN	12.42	120	J
8.		UNKNOWN	13.60	130	J
9.		UNKNOWN	13.68	150	J
10.		UNKNOWN	13.83	1100	J
11.		UNKNOWN	13.95	110	J
12.		UNKNOWN	14.15	120	J
13.		UNKNOWN	14.36	320	J
14.	83-48-7	STIGMASTEROL	14.50	290	JN
15.		UNKNOWN	14.60	150	J
16.	83-47-6	.GAMMA.-SITOSTEROL	14.82	380	JN
17.		UNKNOWN	14.90	140	J
18.		UNKNOWN	15.13	110	J
19.		UNKNOWN	15.27	150	J
20.	511-61-5	9,19-CYCLOLANOST-25-EN-3-OL,	15.49	260	JN
21.		UNKNOWN	15.56	100	J
22.	1058-61-3	STIGMAST-4-EN-3-ONE	15.66	190	JN
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KC

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F24.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 5 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
106-44-5	4-Methylphenol	890	J
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	360	J
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	8700	U
92-52-4	1,1'-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	8700	U
131-11-3	Dimethylphthalate	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
208-96-8	Acenaphthylene	3500	U
99-09-2	3-Nitroaniline	8700	U
83-32-9	Acenaphthene	3500	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02KC

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F24.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 5 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	8700	U
100-02-7	4-Nitrophenol	8700	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
86-73-7	Fluorene	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
100-01-6	4-Nitroaniline	8700	U
534-52-1	4,6-Dinitro-2-methylphenol	8700	U
86-30-6	N-Nitrosodiphenylamine (1)	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	8700	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3'-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U
117-84-0	Di-n-octylphthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KC

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F24.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 5 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/05/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.34	4000	J
2.	DECAHYDRO-4,4,8,9,10-PENTAME	5.57	5700	JN
3.	UNKNOWN	7.78	2900	J
4.	UNKNOWN	10.97	3600	J
5.	UNKNOWN	11.97	2300	J
6.	UNKNOWN	12.22	4400	J
7.	UNKNOWN	12.40	3700	J
8.	UNKNOWN	12.60	2400	J
9.	UNKNOWN	12.64	4500	J
10.	UNKNOWN	12.81	2700	J
11.	UNKNOWN	12.85	3400	J
12.	UNKNOWN	13.02	8100	J
13.	UNKNOWN	13.09	10000	J
14.	UNKNOWN	13.24	3600	J
15.	UNKNOWN	13.31	4300	J
16.	UNKNOWN	13.36	3200	J
17.	UNKNOWN	13.44	14000	J
18.	UNKNOWN	13.59	8000	J
19.	UNKNOWN	13.64	5200	J
20. 53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	13.74	32000	JN
21.	UNKNOWN	13.77	15000	J
22.	UNKNOWN	13.95	5700	J
23.	UNKNOWN	14.08	31000	J
24.	UNKNOWN	14.14	28000	J
25.	UNKNOWN	14.32	6500	J
26.	UNKNOWN	14.37	3400	J
27.	UNKNOWN	14.59	8800	J
28.	UNKNOWN	14.66	7000	J
29.	UNKNOWN	14.99	4700	J
30.	UNKNOWN	15.10	4600	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F03.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1900	U
108-95-2	Phenol	1900	U
111-44-4	bis(2-Chloroethyl)ether	1900	U
95-57-8	2-Chlorophenol	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1900	U
98-86-2	Acetophenone	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-n-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
111-91-1	bis(2-Chloroethoxy)methane	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
91-20-3	Naphthalene	1900	U
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
105-60-2	Caprolactam	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-57-6	2-Methylnaphthalene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	4800	U
92-52-4	1,1'-Biphenyl	1900	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	4800	U
131-11-3	Dimethylphthalate	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
208-96-8	Acenaphthylene	1900	U
99-09-2	3-Nitroaniline	4800	U
83-32-9	Acenaphthene	1900	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02KE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F03.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	4800	U
100-02-7	4-Nitrophenol	4800	U
132-64-9	Dibenzofuran	1900	U
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
86-73-7	Fluorene	1900	U
7005-72-3	4-Chlorophenyl-phenylether	1900	U
100-01-6	4-Nitroaniline	4800	U
534-52-1	4,6-Dinitro-2-methylphenol	4800	U
86-30-6	N-Nitrosodiphenylamine (1)	1900	U
101-55-3	4-Bromophenyl-phenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
1912-24-9	Atrazine	1900	U
87-86-5	Pentachlorophenol	4800	U
85-01-8	Phenanthrene	1900	U
120-12-7	Anthracene	1900	U
86-74-8	Carbazole	1900	U
84-74-2	Di-n-butylphthalate	1900	U
206-44-0	Fluoranthene	1900	U
129-00-0	Pyrene	960	J
85-68-7	Butylbenzylphthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)anthracene	420	J
218-01-9	Chrysene	2500	
117-81-7	bis(2-Ethylhexyl)phthalate	320	J
117-84-0	Di-n-octylphthalate	1900	U
205-99-2	Benzo(b)fluoranthene	360	J
207-08-9	Benzo(k)fluoranthene	260	J
50-32-8	Benzo(a)pyrene	250	J
193-39-5	Indeno(1,2,3-cd)pyrene	1900	U
53-70-3	Dibenz(a,h)anthracene	200	J
191-24-2	Benzo(g,h,i)perylene	420	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F03.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	9.01	1300	JN
2. 3674-73-5	PHENANTHRENE, 2,3,5-TRIMETHY	9.65	1100	JN
3. 2381-21-7	PYRENE, 1-METHYL-	10.14	1400	JN
4. 2381-21-7	PYRENE, 1-METHYL-	10.26	1200	JN
5. 84-15-1	O-TERPHENYL	10.81	1000	JN
6. 64401-21-4	PYRENE, 1,3-DIMETHYL-	10.85	980	JN
7. 82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	11.42	1100	JN
8. 3697-24-3	CHRYSENE, 5-METHYL-	11.75	2100	JN
9. 54986-63-9	BENZO[C]PHENANTHRENE, 5,8-DI	12.25	2200	JN
10. 54986-63-9	BENZO[C]PHENANTHRENE, 5,8-DI	12.30	1100	JN
11.	UNKNOWN	12.36	1200	J
12. 54986-63-9	BENZO[C]PHENANTHRENE, 5,8-DI	12.40	1100	JN
13.	UNKNOWN	12.44	940	J
14. 22100-66-9	4,4'-DINITRODIPHENYLSULPHIDE	12.51	1300	JN
15.	UNKNOWN	12.70	1400	J
16.	UNKNOWN	12.74	1200	J
17.	UNKNOWN	12.78	1100	J
18.	UNKNOWN	12.81	930	J
19.	UNKNOWN	12.89	2600	J
20. 198-55-0	PERYLENE	12.94	2800	JN
21.	UNKNOWN	13.16	2000	J
22.	UNKNOWN	13.23	910	J
23.	UNKNOWN	13.26	870	J
24.	UNKNOWN	13.32	1300	J
25. 3343-10-0	BENZ[J]ACEANTHRYLENE, 3-METH	13.39	1800	JN
26.	UNKNOWN	13.42	1400	J
27.	UNKNOWN	13.52	2300	J
28.	UNKNOWN	13.63	1200	J
29.	UNKNOWN	13.66	1100	J
30.	UNKNOWN	13.73	940	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KF

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.22

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F04.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	7000	U
108-95-2	Phenol	7000	U
111-44-4	bis(2-Chloroethyl)ether	7000	U
95-57-8	2-Chlorophenol	7000	U
95-48-7	2-Methylphenol	7000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	7000	U
98-86-2	Acetophenone	7000	U
106-44-5	4-Methylphenol	7000	U
621-64-7	N-Nitroso-di-n-propylamine	7000	U
67-72-1	Hexachloroethane	7000	U
98-95-3	Nitrobenzene	7000	U
78-59-1	Isophorone	7000	U
88-75-5	2-Nitrophenol	7000	U
105-67-9	2,4-Dimethylphenol	7000	U
111-91-1	bis(2-Chloroethoxy)methane	7000	U
120-83-2	2,4-Dichlorophenol	7000	U
91-20-3	Naphthalene	7000	U
106-47-8	4-Chloroaniline	7000	U
87-68-3	Hexachlorobutadiene	7000	U
105-60-2	Caprolactam	7000	U
59-50-7	4-Chloro-3-methylphenol	7000	U
91-57-6	2-Methylnaphthalene	7000	U
77-47-4	Hexachlorocyclopentadiene	7000	U
88-06-2	2,4,6-Trichlorophenol	7000	U
95-95-4	2,4,5-Trichlorophenol	18000	U
92-52-4	1,1'-Biphenyl	7000	U
91-58-7	2-Chloronaphthalene	7000	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethylphthalate	7000	U
606-20-2	2,6-Dinitrotoluene	7000	U
208-96-8	Acenaphthylene	7000	U
99-09-2	3-Nitroaniline	18000	U
83-32-9	Acenaphthene	7000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F02KF

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.22

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F04.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	18000	U
100-02-7	4-Nitrophenol	18000	U
132-64-9	Dibenzofuran	7000	U
121-14-2	2,4-Dinitrotoluene	7000	U
84-66-2	Diethylphthalate	7000	U
86-73-7	Fluorene	7000	U
7005-72-3	4-Chlorophenyl-phenylether	7000	U
100-01-6	4-Nitroaniline	18000	U
534-52-1	4,6-Dinitro-2-methylphenol	18000	U
86-30-6	N-Nitrosodiphenylamine (1)	7000	U
101-55-3	4-Bromophenyl-phenylether	7000	U
118-74-1	Hexachlorobenzene	7000	U
1912-24-9	Atrazine	7000	U
87-86-5	Pentachlorophenol	18000	U
85-01-8	Phenanthrene	7000	U
120-12-7	Anthracene	7000	U
86-74-8	Carbazole	7000	U
84-74-2	Di-n-butylphthalate	7000	U
206-44-0	Fluoranthene	7000	U
129-00-0	Pyrene	7000	U
85-68-7	Butylbenzylphthalate	7000	U
91-94-1	3,3'-Dichlorobenzidine	7000	U
56-55-3	Benzo(a)anthracene	7000	U
218-01-9	Chrysene	7000	U
117-81-7	bis(2-Ethylhexyl)phthalate	7000	U
117-84-0	Di-n-octylphthalate	7000	U
205-99-2	Benzo(b)fluoranthene	7000	U
207-08-9	Benzo(k)fluoranthene	7000	U
50-32-8	Benzo(a)pyrene	7000	U
193-39-5	Indeno(1,2,3-cd)pyrene	7000	U
53-70-3	Dibenz(a,h)anthracene	7000	U
191-24-2	Benzo(g,h,i)perylene	7000	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KF

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.22

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F04.D

Level: (low/med) LOW Date Received: 05/19/00

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/26/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.32	6900	J
2.		UNKNOWN	5.55	9200	J
3.		UNKNOWN	11.93	5000	J
4.		UNKNOWN	12.02	6200	J
5.	16539-02-9	1,4-METHANONAPHTHALENE, 6,7-	12.17	7700	JN
6.		UNKNOWN	12.52	7100	J
7.		UNKNOWN	12.54	5100	J
8.		UNKNOWN	12.60	12000	J
9.	14982-53-7	CHOLESTANE	12.76	13000	JN
10.		UNKNOWN	12.81	10000	J
11.		UNKNOWN	12.92	6600	J
12.		UNKNOWN	12.98	21000	J
13.		UNKNOWN	13.19	9300	J
14.		UNKNOWN	13.27	7200	J
15.		UNKNOWN	13.32	5600	J
16.	53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	13.39	32000	JN
17.		UNKNOWN	13.49	4900	J
18.		UNKNOWN	13.54	22000	J
19.		UNKNOWN	13.60	6400	J
20.		UNKNOWN	13.65	18000	J
21.		UNKNOWN	13.69	50000	J
22.		UNKNOWN	13.72	28000	J
23.		UNKNOWN	13.89	12000	J
24.		UNKNOWN	14.02	61000	J
25.		UNKNOWN	14.07	53000	J
26.		UNKNOWN	14.26	11000	J
27.		UNKNOWN	14.54	14000	J
28.		UNKNOWN	14.60	11000	J
29.		UNKNOWN	14.93	9800	J
30.		UNKNOWN	15.03	8700	J

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J2

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.01

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

% Moisture: 31 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	2.5	U
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	2.5	U
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	2.5	U
1024-57-3	Heptachlor epoxide	2.5	U
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	4.8	U
72-55-9	4,4'-DDE	4.8	U
72-20-8	Endrin	4.8	U
33213-65-9	Endosulfan II	4.8	U
72-54-8	4,4'-DDD	4.8	U
1031-07-8	Endosulfan sulfate	4.8	U
50-29-3	4,4'-DDT	4.8	U
72-43-5	Methoxychlor	25	U
53494-70-5	Endrin ketone	4.8	U
7421-93-4	Endrin aldehyde	4.8	U
5103-71-9	alpha-Chlordane	2.5	U
5103-74-2	gamma-Chlordane	2.5	U
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	97	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	48	U
11096-82-5	Aroclor-1260	48	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.04

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

% Moisture: 30 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.7	U
72-55-9	4,4'-DDE	4.7	U
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
72-54-8	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	4.7	U
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.7	U
7421-93-4	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	96	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	47	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JP

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.05

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

% Moisture: 11 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JQ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.06

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

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	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	2.0	U
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

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JR

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.07

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

% Moisture: 7 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/15/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	1.4	PJ
72-54-8	4,4'-DDD	2.4	J
1031-07-8	Endosulfan sulfate	2.4	PJ
50-29-3	4,4'-DDT	3.2	PJ
72-43-5	Methoxychlor	12	J
53494-70-5	Endrin ketone	12	P
7421-93-4	Endrin aldehyde	3.1	PJ
5103-71-9	alpha-Chlordane	0.56	PJ
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.08

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

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.09

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

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 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	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.10

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

% Moisture: 20 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.11

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

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 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	2.0	U
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

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.12

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

% Moisture: 14 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	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	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	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	38	U
11096-82-5	Aroclor-1260	38	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K0

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.13

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

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K3

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.14

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

% Moisture: 11 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/15/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.4	J
959-98-8	Endosulfan I	1.4	PJ
60-57-1	Dieldrin	4.3	P
72-55-9	4,4'-DDE	2.5	PJ
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	1.8	PJ
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	47	
50-29-3	4,4'-DDT	38	P
72-43-5	Methoxychlor	69	P
53494-70-5	Endrin ketone	33	P
7421-93-4	Endrin aldehyde	28	P
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K3DL

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.14D5

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

% Moisture: 11 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/15/00

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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	9.6	U
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	11	DPJ
72-55-9	4,4'-DDE	7.9	DPJ
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	55	DP
50-29-3	4,4'-DDT	40	DP
72-43-5	Methoxychlor	58	DPJ
53494-70-5	Endrin ketone	200	D
7421-93-4	Endrin aldehyde	49	DP
5103-71-9	alpha-Chlordane	1.4	DPJ
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	190	U
11096-82-5	Aroclor-1260	190	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.15

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

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/15/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	0.42	PJ
1024-57-3	Heptachlor epoxide	4.0	P
959-98-8	Endosulfan I	2.7	P
60-57-1	Dieldrin	5.4	P
72-55-9	4,4'-DDE	8.5	P
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	25	P
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	66	PE
50-29-3	4,4'-DDT	50	
72-43-5	Methoxychlor	77	P
53494-70-5	Endrin ketone	30	P
7421-93-4	Endrin aldehyde	60	PE
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K4DL

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.15D5

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

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/15/00

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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	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	6.3	DPJ
72-55-9	4,4'-DDE	9.3	DPJ
72-20-8	Endrin	20	U
33213-65-9	Endosulfan II	11	DPJ
72-54-8	4,4'-DDD	20	U
1031-07-8	Endosulfan sulfate	170	D
50-29-3	4,4'-DDT	37	DP
72-43-5	Methoxychlor	48	DPJ
53494-70-5	Endrin ketone	62	DP
7421-93-4	Endrin aldehyde	71	DP
5103-71-9	alpha-Chlordane	2.1	DPJ
5103-74-2	gamma-Chlordane	10	U
8001-35-2	Toxaphene	1000	U
12674-11-2	Aroclor-1016	200	U
11104-28-2	Aroclor-1221	410	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

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K5

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.16

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

% Moisture: 12 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	76	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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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K7

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.17

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

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K8

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.18

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

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	✓	Q
319-84-6	alpha-BHC	1.9		U
319-85-7	beta-BHC	1.9		U
319-86-8	delta-BHC	1.9		U
58-89-9	gamma-BHC (Lindane)	1.9		U
76-44-8	Heptachlor	1.9		U
309-00-2	Aldrin	1.9		U
1024-57-3	Heptachlor epoxide	1.9		U
959-98-8	Endosulfan I	1.9		U
60-57-1	Dieldrin	3.7		U
72-55-9	4,4'-DDE	3.7		U
72-20-8	Endrin	3.7		U
33213-65-9	Endosulfan II	3.7		U
72-54-8	4,4'-DDD	3.7		U
1031-07-8	Endosulfan sulfate	3.7		U
50-29-3	4,4'-DDT	3.7		U
72-43-5	Methoxychlor	19		U
53494-70-5	Endrin ketone	3.7		U
7421-93-4	Endrin aldehyde	3.7		U
5103-71-9	alpha-Chlordane	1.9		U
5103-74-2	gamma-Chlordane	1.9		U
8001-35-2	Toxaphene	190		U
12674-11-2	Aroclor-1016	37		U
11104-28-2	Aroclor-1221	74		U
11141-16-5	Aroclor-1232	37		U
53469-21-9	Aroclor-1242	37		U
12672-29-6	Aroclor-1248	37		U
11097-69-1	Aroclor-1254	37		U
11096-82-5	Aroclor-1260	37		U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KB

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.19

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

% Moisture: 36 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	5.2	U
72-55-9	4,4'-DDE	5.2	U
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	5.2	U
72-54-8	4,4'-DDD	5.2	U
1031-07-8	Endosulfan sulfate	5.2	U
50-29-3	4,4'-DDT	5.2	U
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	5.2	U
7421-93-4	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	2.7	U
5103-74-2	gamma-Chlordane	2.7	U
8001-35-2	Toxaphene	270	U
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KC

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.20

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

% Moisture: 5 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/15/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	0.53	PJ
1024-57-3	Heptachlor epoxide	0.47	PJ
959-98-8	Endosulfan I	1.1	J
60-57-1	Dieldrin	0.41	PJ
72-55-9	4,4'-DDE	3.0	J
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	2.2	PJ
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	6.9	P
72-43-5	Methoxychlor	17	PJ
53494-70-5	Endrin ketone	11	P
7421-93-4	Endrin aldehyde	6.6	P
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	0.63	PJ
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.21

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

% Moisture: 14 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/15/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 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	3.0	P
959-98-8	Endosulfan I	2.9	P
60-57-1	Dieldrin	4.4	P
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	7.3	P
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	24	P
50-29-3	4,4'-DDT	38	P
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	46	P
7421-93-4	Endrin aldehyde	37	P
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	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	38	U
11096-82-5	Aroclor-1260	38	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KEDL

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.21D5

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

% Moisture: 14 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/15/00

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.9	U
319-85-7	beta-BHC	9.9	U
319-86-8	delta-BHC	9.9	U
58-89-9	gamma-BHC (Lindane)	9.9	U
76-44-8	Heptachlor	9.9	U
309-00-2	Aldrin	9.9	U
1024-57-3	Heptachlor epoxide	9.9	U
959-98-8	Endosulfan I	9.9	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	29	D
72-43-5	Methoxychlor	99	U
53494-70-5	Endrin ketone	51	DP
7421-93-4	Endrin aldehyde	30	DP
5103-71-9	alpha-Chlordane	9.9	U
5103-74-2	gamma-Chlordane	9.9	U
8001-35-2	Toxaphene	990	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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KF

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J2

Matrix: (soil/water) SOIL Lab Sample ID: 42573.22

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

% Moisture: 6 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/26/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/15/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	0.43	PJ
1024-57-3	Heptachlor epoxide	0.52	J
959-98-8	Endosulfan I	0.82	PJ
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	2.1	PJ
72-20-8	Endrin	1.3	PJ
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.1	PJ
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	6.8	P
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	13	P
7421-93-4	Endrin aldehyde	9.1	
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.9	P
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U