Reference 42

9532665

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# : F02J4

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 # 6-0399A ESAT # O-2207
ESAT Contract No. 68-D6-0005

Attached is the data review summary for Case # 28064
SDG # F02J4
Site Falcon Refining

COMMENTS:

I. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

A. The reviewer did not confirm during hardcopy review the noncompliant items reported by CCS but detected the noncompliant item below that was not reported by CCS.

The laboratory analyzed BNA sample F0-2JJ at the low level with a 75X dilution because of a very high non-target compound response. However, the laboratory failed to properly characterize the sample for analysis level using the screening procedures required by the SOW (OLM04.2, D-71/SVOA, 2.1 and 2.2). In the reviewer's opinion, BNA sample F0-2JJ should have been analyzed at the medium level. No results were qualified.

B. The reviewer found the noncompliant item below that CCS is not expected to detect.

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

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MEMORANDUM

Attached is the data review summary for Case # 28064
SDG # F02J4
Site Falcon Refining

COMMENTS (continued):

II. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of results reviewed was 1,974 for this data package. Some results were qualified for minor technical problems.

III. OTHER AREAS OF CONCERN

A. Cooler temperature indicators were not supplied with the coolers.

B. The Pest/PCB water method blank showed a contaminant peak on one column that interfered with methoxychlor detection at a concentration above the CRQL (OLM04.2, D-70/PEST, 12.1.2.4.1 and 12.1.2.4.3). The reviewer verified that this laboratory contamination did not affect methoxychlor detection in the sample analyses.

C. Water sample F0-2H4 was received by the laboratory four days after it was collected.

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	14
CONTRACT#	68-W-00-081	MATRIX	13 soil & 1 water
SDG#	F02J4	REVIEWER (IF NOT ESD)	ESAT
SOW#	SOW OLM04.2	REVIEWER'S NAME	Mike Fertitta
ACCT# 050102DJN73	SF# 50102DZZ	COMPLETION DATE	July 26, 2000

SAMPLE NO.'s:					
	F0-2HE	F0-2HY	F0-2J4	F0-2K9	
	F0-2HT	F0-2HZ	F0-2J6	F0-2H4	
	F0-2HW	F0-2JJ	F0-2KH		
	F0-2HX	F0-2JK	F0-2KJ		

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	O
4. BLANKS	M	O	O
5. SMC/SURROGATES	M	O	O
6. MATRIX SPIKE/DUPLICATE	O	O	O
7. OTHER QC	O	O	O
8. INTERNAL STANDARDS	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 was twelve working days late.
AREA OF CONCERN: The laboratory failed to justify the analysis level for one BNA sample. The Pest/PCB method blank had a single-column non-target compound contaminant peak that interfered with methoxychlor detection, but sample results were not affected. Acetone failed technical calibration criteria. Laboratory contamination caused result qualifications for three VOA samples. SMC recoveries exceeded the QC limits for two VOA samples. The laboratory used inappropriate peak integration techniques for several pesticides in two samples. A commonly coexisting pesticide was missing from one sample. Several pesticides in two samples also had two column quantitation results that differed by greater than 25 percent.
NOTABLE PERFORMANCE:

COMMENTS/CLARIFICATIONS
REGION VI CLP QA REVIEW

CASE 28064 **SDG** F02J4 **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	3	11	
BNA	14		
PEST	12	2	

COMMENTS: This SDG, contracted under SOW OLM04.2, consisted of 13 soil samples and 1 field blank for complete RAS organic analyses. The OTR/COC Records designated sample F0-2J4 as the QC sample for the soil matrix, samples F0-2KH and F0-2KJ as field duplicates, and sample F0-2H4 as the field blank. The water matrix, consisting only of the field blank, did not require laboratory QC. Eight of the thirteen soil samples were analyzed following the modified SW-846 method 5035. All VOA and BNA samples were analyzed at low levels except VOA samples F0-2JJ and F0-02JK which required medium level analyses. The CRQL's required %moisture correction for the soil samples, and the diluted samples required additional CRQL correction. The corrected CRQL's were reported by the laboratory and are referred to as sample quantitation limits (SQL's) in this report. The laboratory was contractually compliant except for the items below.

- The laboratory failed to justify the analysis level for BNA sample F0-2JJ.
- The data package was 12 working days late for the contractual 14-day turnaround requirement.

VOA Samples F0-2JJ and F0-2JK required medium level analyses (with 20X dilution for sample F0-2JJ) because of high concentrations of cyclohexane (up to 110,000 µg/Kg), methylcyclohexane (up to 350,000 µg/Kg), BTEX (up to 320,000 µg/Kg total xylenes), and/or isopropylbenzene (up to 28,000 µg/Kg). Target compounds detected at concentrations above the SQL's in the other samples included acetone, carbon disulfide, and 2-butanone. The reported methylene chloride concentrations above the SQL's were attributed solely to laboratory contamination. Samples F0-2HT and F0-2HW and their reanalyses had outlying SMC recoveries, and the reanalysis results are recommended for use because of better SMC performance.

BNA Sample F0-2K9 required 10X dilution because of high concentrations of pyrene (3,900 µg/Kg) and chrysene (8,500

CASE 28064 **SDG** F02J4 **SITE** Falcon Refining **LAB** AATSLA

COMMENTS (continued): µg/Kg). No other target analytes were detected at concentrations above the SQL's. Sample F0-2JJ was analyzed at 75X dilution because of a high TIC concentration (60,000 µg/Kg of triethylene glycol) although the laboratory failed to justify the low level analysis with the required characterization screening. Sample F0-2JK required 10X dilution because of extract viscosity.

Pest/PCB Samples F0-2HY, F0-2JK, and F0-2K9 were initially analyzed or reanalyzed at up to 100X dilution because target analyte responses exceeded the upper calibration limits on at least one column. Data for samples F0-2HY, F0-2JKDL, and F0-2K9 are designated for use. Sample F0-2K9 contained high concentrations of endosulfan I (40 µg/Kg), DDD (220 µg/Kg), DDT (150 µg/Kg); endrin ketone (360 µg/Kg), and endrin aldehyde (280 µg/Kg). Other target analytes with concentrations above the SQL's included DDT in sample F0-2HT, α-BHC in sample F0-2HY, and endrin and endrin aldehyde in sample F0-2JK.

Some results are provisional for 11 VOA and 2 Pest/PCB samples because of problems with calibration, laboratory contamination, SMC performance, compound identification, and/or compound quantitation. The technical usability of all reported 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 results are reported in the Evidence Inventory Checklist.

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. Contractual holding time criteria were met for all samples. VOA field blank sample F0-2H4 was analyzed seven days past the technical (40 CFR Part 136) holding time limit. Since no aromatic target analytes were detected in the field blank, qualification of results was not

CASE 28064 SDG F02J4 SITE Falcon Refining LAB AATSLA

1. **Holding Times (continued):** required per Region 6 guidelines. Technical holding time limits have not yet been established for soil samples.

Samples arrived at the laboratory with cooler temperatures of 7°C to 8°C which exceeded the 4°C ± 2°C required by the SOW. It is the reviewer's opinion that sample results were not affected by the elevated cooler temperatures which were not excessive.

2. **Tuning/Performance:** Acceptable. BFB and DFTPP analyses met GC/MS tuning criteria. The Pest/PCB analyses met instrument performance guidelines except that several pesticides coeluted or had overlapping retention time windows on one or both columns. The sample results were not affected by these chromatographic problems.

3. **Calibrations:** Provisional. Target compounds generally met contractual calibration criteria. Several VOA and BNA analytes failed the technical %RSD and/or %D calibration criteria. The BNA analytes were not detected in the associated samples at concentrations above the SQL's, so qualification of BNA results was not required. However, the reviewer qualified as estimated the following VOA results because of the calibration deficiencies:

the acetone results for samples F0-2HE, F0-2HTRE, F0-2HWRE, F0-2HX, F0-2HY, F0-2HZ, F0-2KH, and F0-2KJ.

4. **Blanks:** Provisional. The method, storage, and instrument blanks met contractual QC guidelines. The BNA method blanks contained 2,4,5-trichlorophenol, diethylphthalate, di-n-butylphthalate, or bis(2-ethylhexyl)phthalate at concentrations below the CRQL's, but these analytes were not detected in the associated samples.

VOA No target compound was detected in the storage blank. The method blanks contained acetone and/or methylene chloride at concentrations below the CRQL's. The effects of this laboratory contamination are summarized below.

- The methylene chloride results with concentrations above the SQL's for samples F0-2J4, F0-2J6, and F0-2K9 are qualified as undetected ("U"), and the concentrations should be used as raised quantitation limits ("M").

- The acetone result for sample F0-2K9 (concentration above the SQL) is qualified as biased high (reviewer "B" flag).

4. Blanks (continued):

- All other sample results with laboratory "B" flags (concentrations below the CRQL's) should be considered as undetected (U).

Pest/PCB No target analyte was detected in the instrument blanks or the water method blank. The soil method blank contained methoxychlor at a concentration below the CRQL. The methoxychlor result for sample F0-2HX (concentration below the CRQL) should be considered undetected.

The water method blank had a non-target compound contaminant peak in the methoxychlor RT window on column CLPESTICII with a concentration equivalent to 1.3X the CRQL. The reviewer verified, however, that this laboratory contamination did not affect identification of methoxychlor for the samples in this SDG.

Field Blank: Field blank sample F0-2H4 in this SDG is associated with all samples in this SDG except samples F0-2J4, F0-2J6, and F0-2K9, which are associated with field blank sample F0-2H3 in SDG F02H1. Field blank sample F0-2H4 in this SDG is also associated with some samples in SDG F0-2JF, and the effects of field contamination on those samples will be discussed in the validation report for that SDG.

Target analytes detected at concentrations below the CRQL's included 4-chloro-3-methylphenol in field blank samples F0-2H4 and F0-2H3 and α-chlordane in field blank sample F0-2H3. These field contaminants were not detected in the associated samples of this SDG.

5. System Monitoring Compounds (SMC's)/Surrogates: Provisional. SMC and surrogate recoveries met the QC criteria with the exceptions below.

VOA Samples F0-2HT and F0-2HW and their reanalyses had outlying SMC recoveries, demonstrating matrix effects in these samples. The reanalysis results are recommended for use because of better SMC performance. However, the acetone results for samples F0-2HTRE and F0-2HWRE are qualified as estimated because of the SMC problems. One of the spiked analyses had a marginally outlying SMC recovery for both the low and medium level QC samples, but this poor performance was not repeated in the other spiked or unspiked analyses of the QC samples. These problems did not appear to affect the spike analysis results.

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5. **SMC's/Surrogates (continued):**

Pest/PCB DCB recoveries were below the QC limit on both columns for sample F0-2JJ but met the expanded Region 6 QC criteria. Several other samples had outlying surrogate recoveries that were due to coeluting matrix interferences or diluting out of the surrogate. Qualification of sample results for extraction efficiency problems was not required.

6. **Matrix Spike/Matrix Spike Duplicate (MS/MSD):** Acceptable. The MS/MSD results met QC guidelines for precision and %recovery with the exceptions below.

BNA The MS/MSD recoveries for 4-nitrophenol and 2,4-dinitrotoluene and the %RPD for pentachlorophenol exceeded the QC limits. These target compounds were not detected in the unspiked sample, so qualification of results was not required.

7. **Other QC:**

Field Duplicates: Acceptable. All field duplicate results were consistent.

8. **Internal Standards (IS):** Acceptable. IS performance was acceptable for all VOA and BNA analyses.

9. **Compound Identity (ID)/Quantitation:** Provisional. All reported sample results met compound identification criteria.

VOA Samples F0-2JJ and F0-2JK had high concentrations of acetone, 1,1,1-trichloroethane, cyclohexane, benzene, methylcyclohexane, toluene, tetrachloroethene, ethylbenzene, total xylenes, and/or isopropylbenzene. Target compounds detected at concentrations above the SQL's in the other samples included acetone, carbon disulfide, and 2-butanone. Methylene chloride concentrations above the SQL's in the samples were attributed solely to laboratory contamination.

BNA Sample F0-2JK contained a high concentration of 2-methylnaphthalene (3,400 µg/Kg), and sample F0-2K9 contained high concentrations of pyrene (3,900 µg/Kg) and chrysene (8,500 µg/Kg). No other target analytes were detected at concentrations above the SQL's. Sample F0-2JJ contained a high TIC concentration (60,000 µg/Kg of triethylene glycol).

Pest/PCB Sample F0-2K9 contained high concentrations of endosulfan I (40 µg/Kg), DDD (220 µg/Kg), DDT (150 µg/Kg), endrin ketone (360 µg/Kg), and endrin aldehyde (280 µg/Kg). Other

ORGANIC QA REVIEW
CONTINUATION PAGE

CASE 28064 **SDG** F02J4 **SITE** Falcon Refining **LAB** AATSLA

9. **Compound ID/Quantitation:** target analytes with concentrations above the SQL's included DDT in sample F0-2HT, α-BHC in sample F0-2HY, and endrin and endrin aldehyde in sample F0-2JKDL.

Samples F0-2HY, F0-2JK, and F0-2K9 were initially analyzed or reanalyzed at up to 100X dilution because target analyte responses exceeded the upper calibration limit on at least one column. Because of matrix interferences and to favor positive hits, all results from the diluted analysis of sample F0-2JK are recommended for use. No results from the diluted reanalyses of samples F0-2HY or F0-2K9 are recommended for use because all results reported for the original analyses were from a column with acceptable peak responses. The laboratory used inappropriate peak integration techniques, causing the following results to be qualified as estimated and biased high:

results for heptachlor, heptachlor epoxide, endrin, and endrin aldehyde in sample F0-2JKDL and

results for heptachlor epoxide, endosulfan I, DDD, DDT, endrin ketone, and endrin aldehyde in sample F0-2K9.

All laboratory "P"-flagged results with concentrations above the SQL's were qualified as estimated because two column quantitation results differed by greater than 25 percent. The reviewer assigned "T" flags to DDT and DDD results for sample F0-2K9 to indicate questionable identification because the commonly coexisting compound DDE was not detected in the sample.

10. **Performance/Completeness:** Acceptable. The data package was complete. The laboratory was contacted for some required corrections (see FAX Record Log). The laboratory submitted a response to the CCS report, although no data pages were included. The response was placed at the beginning of the data package.

11. **Overall Assessment:** Data are acceptable for 3 VOA, all BNA, and 12 Pest/PCB samples.

VOA Some results were qualified for all samples except samples F0-2JJ, F0-2JK, and F0-2H4 because of problems with calibration, laboratory contamination, and/or SMC performance.

Pest/PCB Some results were qualified for samples F0-2JKDL and F0-2K9 because of problems with compound identification and/or quantitation.

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

ORGANIC DATA SUMMARY

Case No. : 28064 SDG : F02J4 Reviewer : Mike Ferritta

Laboratory : AATSLA Matrix : Soil Units : ug/Kg

VOLATILE EPA SAMPLE NUMBER :	F0-2HE	FLAG	F0-2HT	FLAG	F0-2HTRE	FLAG	F0-2HW	FLAG	F0-2HWRE	FLAG	F0-2HX	FLAG	F0-2HY	FLAG
Dichlorodifluoromethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Chloromethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Vinyl Chloride	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Bromomethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Chloroethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Trichlorofluoromethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,1-Dichloroethene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Acetone	36	J	29	*	36	J	30	*	69	J	93	J	67	J
Carbon Disulfide	27		5	*	5	LJ	4	*	6	LJ	36		12	LJ
Methyl Acetate	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Methylene Chloride	12	U	4	*	12	U	2	*	13	U	14	U	15	U
trans-1,2-Dichloroethene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Methyl tert-Butyl Ether	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,1-Dichloroethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
cis-1,2-Dichloroethene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
2-Butanone	12	U	6	*	12	U	6	*	13	U	19		15	U
Chloroform	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,1,1-Trichloroethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Cyclohexane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Carbon Tetrachloride	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Benzene	4	LJ	12	U*	12	U	12	U*	13	U	14	U	15	U
1,2-Dichloroethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Trichloroethene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Methylcyclohexane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,2-Dichloropropane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Bromodichloromethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
cis-1,3-Dichloropropene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
4-Methyl-2-pentanone	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Toluene	2	LJ	12	U*	1	LJ	12	U*	13	U	14	U	15	U
trans-1,3-Dichloropropene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,1,2-Trichloroethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Tetrachloroethene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
2-Hexanone	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Dibromochloromethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,2-Dibromoethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Chlorobenzene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Ethylbenzene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Xylenes (total)	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Styrene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Bromoform	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Isopropylbenzene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,1,2,2-Tetrachloroethane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,3-Dichlorobenzene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,4-Dichlorobenzene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,2-Dichlorobenzene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,2-Dibromo-3-chloropropane	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
1,2,4-Trichlorobenzene	12	U	12	U*	12	U	12	U*	13	U	14	U	15	U
Sample wt (g) :	5.5		5.6		5.8		5.8		5.1		5.3		5.0	
%Moisture :	24		26		26		27		27		31		35	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0		1.0		1.0	
Level :	LOW		LOW		LOW		LOW		LOW		LOW		LOW	
Number of TIC's :	7		9		2		10		3		5		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.

42012

ORGANIC DATA SUMMARY

Case No.: 28064 SDG: F02J4 Reviewer: Mike Ferlitta

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

VOLATILE EPA SAMPLE NUMBER:	F0-2HZ	FLAG	F0-2JJ	FLAG	F0-2JK	FLAG	F0-2J4	FLAG	F0-2J6	FLAG	F0-2KH	FLAG	F0-2KJ	FLAG
Dichlorodifluoromethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Chloromethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Vinyl Chloride	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Bromomethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Chloroethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Trichlorofluoromethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,1-Dichloroethene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Acetone	39	J	29000	U	1200	LJ	14	U	14	U	29	J	33	J
Carbon Disulfide	10	U	29000	U	1400	U	14	U	14	U	3	LJ	2	LJ
Methyl Acetate	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Methylene Chloride	10	U	29000	U	1400	U	25	UM	25	UM	11	U	12	U
trans-1,2-Dichloroethene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Methyl tert-Butyl Ether	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,1-Dichloroethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
cis-1,2-Dichloroethene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
2-Butanone	11		29000	U	1400	U	14	U	14	U	11	U	12	U
Chloroform	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,1,1-Trichloroethane	10	U	29000	U	290	LJ	14	U	14	U	11	U	12	U
Cyclohexane	10	U	110000		1500		14	U	14	U	11	U	12	U
Carbon Tetrachloride	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Benzene	10	U	29000		1400	U	14	U	14	U	11	U	2	LJ
1,2-Dichloroethane	10	U	29000	U	1400	U	2	LJ	14	U	11	U	12	U
Trichloroethene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Methylcyclohexane	10	U	350000		2800		14	U	14	U	11	U	12	U
1,2-Dichloropropane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Bromodichloromethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
cis-1,3-Dichloropropene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
4-Methyl-2-pentanone	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Toluene	10	U	250000		1700		14	U	14	U	11	U	12	U
trans-1,3-Dichloropropene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,1,2-Trichloroethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Tetrachloroethene	10	U	29000	U	690	LJ	14	U	14	U	11	U	12	U
2-Hexanone	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Dibromochloromethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,2-Dibromoethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Chlorobenzene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Ethylbenzene	10	U	160000		2000		14	U	14	U	11	U	12	U
Xylenes (total)	10	U	320000		6700		14	U	14	U	11	U	12	U
Styrene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Bromoform	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Isopropylbenzene	10	U	28000	LJ	930	LJ	14	U	14	U	11	U	12	U
1,1,2,2-Tetrachloroethane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,3-Dichlorobenzene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,4-Dichlorobenzene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,2-Dichlorobenzene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,2-Dibromo-3-chloropropane	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
1,2,4-Trichlorobenzene	10	U	29000	U	1400	U	14	U	14	U	11	U	12	U
Sample wt (g):	5.9		4.0		4.0		5.0		5.0		6.0		5.6	
%Moisture:	19		16		13		28		28		24		29	
Dilution Factor:	1.0		20.0		1.0		1.0		1.0		1.0		1.0	
Level:	LOW		MED		MED		LOW		LOW		LOW		LOW	
Number of TIC's:	5		6		7		0		0		4		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.

ORGANIC DATA SUMMARY

Case No.: 28064 SDG: F02J4 Reviewer: Mike Ferlitta

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

VOLATILE EPA SAMPLE NUMBER:	F0-2K9	FLAG	FLAG	FLAG	FLAG	FLAG	FLAG	FLAG
Dichlorodifluoromethane	12	U						
Chloromethane	12	U						
Vinyl Chloride	12	U						
Bromomethane	12	U						
Chloroethane	12	U						
Trichlorofluoromethane	12	U						
1,1-Dichloroethene	12	U						
1,1,2-Trichloro-1,2,2-trifluoroethane	12	U						
Acetone	120	B						
Carbon Disulfide	12	U						
Methyl Acetate	12	U						
Methylene Chloride	27	UM						
trans-1,2-Dichloroethene	12	U						
Methyl tert-Butyl Ether	12	U						
1,1-Dichloroethane	12	U						
cis-1,2-Dichloroethene	12	U						
2-Butanone	5	LJ						
Chloroform	12	U						
1,1,1-Trichloroethane	12	U						
Cyclohexane	12	U						
Carbon Tetrachloride	12	U						
Benzene	4	LJ						
1,2-Dichloroethane	1	LJ						
Trichloroethene	12	U						
Methylcyclohexane	12	U						
1,2-Dichloropropane	12	U						
Bromodichloromethane	12	U						
cis-1,3-Dichloropropene	12	U						
4-Methyl-2-pentanone	12	U						
Toluene	12	U						
trans-1,3-Dichloropropene	12	U						
1,1,2-Trichloroethane	12	U						
Tetrachloroethene	12	U						
2-Hexanone	12	U						
Dibromochloromethane	12	U						
1,2-Dibromoethane	12	U						
Chlorobenzene	12	U						
Ethylbenzene	12	U						
Xylenes (total)	12	U						
Styrene	12	U						
Bromoform	12	U						
Isopropylbenzene	12	U						
1,1,2,2-Tetrachloroethane	12	U						
1,3-Dichlorobenzene	12	U						
1,4-Dichlorobenzene	12	U						
1,2-Dichlorobenzene	12	U						
1,2-Dibromo-3-chloropropane	12	U						
1,2,4-Trichlorobenzene	12	U						
Sample wt (g):	5.0							
%Moisture:	15							
Dilution Factor:	1.0							
Level:	LOW							
Number of TIC's:	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.

ORGANIC DATA SUMMARY

Case No. : 28064 SDG : F02J4 Reviewer : Mike Ferritta

Laboratory : AATSLA Matrix : Water Units : ug/L

VOLATILE EPA SAMPLE NUMBER :	FLAG F0-2H4	FLAG	FLAG	FLAG	FLAG	FLAG	FLAG
Dichlorodifluoromethane	10 U						
Chloromethane	10 U						
Vinyl Chloride	10 U						
Bromomethane	10 U						
Chloroethane	10 U						
Trichlorofluoromethane	10 U						
1,1-Dichloroethene	10 U						
1,1,2-Trichloro-1,2,2-trifluoroethane	10 U						
Acetone	10 U						
Carbon Disulfide	10 U						
Methyl Acetate	10 U						
Methylene Chloride	10 U						
trans-1,2-Dichloroethene	10 U						
Methyl tert-Butyl Ether	10 U						
1,1-Dichloroethane	10 U						
cis-1,2-Dichloroethene	10 U						
2-Butanone	10 U						
Chloroform	10 U						
1,1,1-Trichloroethane	10 U						
Cyclohexane	10 U						
Carbon Tetrachloride	10 U						
Benzene	10 U						
1,2-Dichloroethane	10 U						
Trichloroethene	10 U						
Methylcyclohexane	10 U						
1,2-Dichloropropane	10 U						
Bromodichloromethane	10 U						
cis-1,3-Dichloropropene	10 U						
4-Methyl-2-pentanone	10 U						
Toluene	10 U						
trans-1,3-Dichloropropene	10 U						
1,1,2-Trichloroethane	10 U						
Tetrachloroethene	10 U						
2-Hexanone	10 U						
Dibromochloromethane	10 U						
1,2-Dibromoethane	10 U						
Chlorobenzene	10 U						
Ethylbenzene	10 U						
Xylenes (total)	10 U						
Styrene	10 U						
Bromoform	10 U						
Isopropylbenzene	10 U						
1,1,2,2-Tetrachloroethane	10 U						
1,3-Dichlorobenzene	10 U						
1,4-Dichlorobenzene	10 U						
1,2-Dichlorobenzene	10 U						
1,2-Dibromo-3-chloropropane	10 U						
1,2,4-Trichlorobenzene	10 U						
Volume (ml) :	5.0						
Dilution Factor :	1.0						
Number of TIC's :	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.

ORGANIC DATA SUMMARY

Case No.: 28064 SDG: F02J4 Reviewer: Mike Ferrotta

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

SEMIVOLATILE EPA SAMPLE NUMBER:	F0-2HE	FLAG	F0-2HT	FLAG	F0-2HW	FLAG	F0-2HX	FLAG	F0-2HY	FLAG	F0-2HZ	FLAG	F0-2JJ	FLAG
Benzaldehyde	430	U	450	U	450	U	66	LJ	64	LJ	410	U	29000	U
Phenol	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
bis-(2-Chloroethyl) ether	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2-Chlorophenol	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2-Methylphenol	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2,2'-oxybis(1-Chloropropane)	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Acetophenone	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
4-Methylphenol	430	U	450	U	450	U	480	U	150	LJ	410	U	29000	U
N-Nitroso-di-n-propylamine	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Hexachloroethane	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Nitrobenzene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Isophorone	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2-Nitrophenol	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2,4-Dimethylphenol	430	U	450	U	450	U	480	U	75	LJ	410	U	29000	U
bis(2-Chloroethoxy)methane	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2,4-Dichlorophenol	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Naphthalene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
4-Chloroaniline	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Hexachlorobutadiene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Caprolactam	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
4-Chloro-3-methylphenol	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2-Methylnaphthalene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Hexachlorocyclopentadiene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2,4,6-Trichlorophenol	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2,4,5-Trichlorophenol	1100	U	1100	U	1100	U	1200	U	1300	U	1000	U	74000	U
1,1'-Biphenyl	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2-Chloronaphthalene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2-Nitroaniline	1100	U	1100	U	1100	U	1200	U	1300	U	1000	U	74000	U
Dimethylphthalate	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2,6-Dinitrotoluene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Acenaphthylene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
3-Nitroaniline	1100	U	1100	U	1100	U	1200	U	1300	U	1000	U	74000	U
Acenaphthene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2,4-Dinitrophenol	1100	U	1100	U	1100	U	1200	U	1300	U	1000	U	74000	U
4-Nitrophenol	1100	U	1100	U	1100	U	1200	U	1300	U	1000	U	74000	U
Dibenzofuran	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
2,4-Dinitrotoluene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Diethylphthalate	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Fluorene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
4-Chlorophenyl-phenyl ether	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
4-Nitroaniline	1100	U	1100	U	1100	U	1200	U	1300	U	1000	U	74000	U
4,6-Dinitro-2-methylphenol	1100	U	1100	U	1100	U	1200	U	1300	U	1000	U	74000	U
N-Nitrosodiphenylamine	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
4-Bromophenyl-phenylether	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Hexachlorobenzene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Atrazine	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Pentachlorophenol	1100	U	1100	U	1100	U	1200	U	1300	U	1000	U	74000	U
Phenanthrene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Anthracene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Carbazole	430	U	450	U	450	U	480	U	510	U	410	U	29000	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.

ORGANIC DATA SUMMARY

Case No.: 28064 SDG: F02J4 Reviewer: Mike Fertitta

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

SEMIVOLATILE EPA SAMPLE NUMBER:	F0-2HE	FLAG	F0-2HT	FLAG	F0-2HW	FLAG	F0-2HX	FLAG	F0-2HY	FLAG	F0-2HZ	FLAG	F0-2JJ	FLAG
Di-n-butylphthalate	430	U	450	U	49	LJ	480	U	56	LJ	410	U	29000	U
Fluoranthene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Pyrene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Butylbenzylphthalate	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
3,3'-Dichlorobenzidine	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Benzo(a)anthracene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Chrysene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
bis(2-Ethylhexyl)phthalate	430	U	450	U	450	U	51	LJ	79	LJ	410	U	29000	U
Di-n-octylphthalate	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Benzo(b)fluoranthene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Benzo(k)fluoranthene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Benzo(a)pyrene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Indeno(1,2,3-cd)pyrene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Dibenzo(a,h)anthracene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Benzo(g,h,i)perylene	430	U	450	U	450	U	480	U	510	U	410	U	29000	U
Sample wt (g):	30.0		30.0		30.0		30.0		30.0		30.0		30.0	
%Moisture:	24		26		27		31		35		19		16	
Dilution Factor:	1.0		1.0		1.0		1.0		1.0		1.0		75.0	
Level:	LOW		LOW		LOW		LOW		LOW		LOW		LOW	
Number of TIC's:	0		9		15		25		30		2		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.

ORGANIC DATA SUMMARY

Case No.: 28064 SDG: F02J4 Reviewer: Mike Ferritta

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

SEMIVOLATILE EPA SAMPLE NUMBER:	F0-2JK	FLAG	F0-2J4	FLAG	F0-2J6	FLAG	F0-2KH	FLAG	F0-2KJ	FLAG	F0-2K9	FLAG		FLAG
Benzaldehyde	3800	U	65	LJ	67	LJ	430	U	460	U	3900	U		
Phenol	3800	U	460	U	460	U	430	U	460	U	3900	U		
bis-(2-Chloroethyl) ether	3800	U	460	U	460	U	430	U	460	U	3900	U		
2-Chlorophenol	3800	U	460	U	460	U	430	U	460	U	3900	U		
2-Methylphenol	3800	U	460	U	460	U	430	U	460	U	3900	U		
2,2'-oxybis(1-Chloropropane)	3800	U	460	U	460	U	430	U	460	U	3900	U		
Acetophenone	3800	U	460	U	460	U	430	U	460	U	490	LJ		
4-Methylphenol	3800	U	460	U	460	U	430	U	460	U	3900	U		
N-Nitroso-di-n-propylamine	3800	U	460	U	460	U	430	U	460	U	3900	U		
Hexachloroethane	3800	U	460	U	460	U	430	U	460	U	3900	U		
Nitrobenzene	3800	U	460	U	460	U	430	U	460	U	3900	U		
Isophorone	3800	U	460	U	460	U	430	U	460	U	3900	U		
2-Nitrophenol	3800	U	460	U	460	U	430	U	460	U	3900	U		
2,4-Dimethylphenol	3800	U	460	U	460	U	430	U	460	U	3900	U		
bis(2-Chloroethoxy)methane	3800	U	460	U	460	U	430	U	460	U	3900	U		
2,4-Dichlorophenol	3800	U	460	U	460	U	430	U	460	U	3900	U		
Naphthalene	1200	LJ	460	U	460	U	430	U	460	U	3900	U		
4-Chloroaniline	3800	U	460	U	460	U	430	U	460	U	3900	U		
Hexachlorobutadiene	3800	U	460	U	460	U	430	U	460	U	3900	U		
Caprolactam	3800	U	460	U	460	U	430	U	460	U	3900	U		
4-Chloro-3-methylphenol	3800	U	460	U	460	U	430	U	460	U	3900	U		
2-Methylnaphthalene	3400	LJ	460	U	460	U	430	U	460	U	3900	U		
Hexachlorocyclopentadiene	3800	U	460	U	460	U	430	U	460	U	3900	U		
2,4,6-Trichlorophenol	3800	U	460	U	460	U	430	U	460	U	3900	U		
2,4,5-Trichlorophenol	9500	U	1200	U	1200	U	1100	U	1200	U	9800	U		
1,1'-Biphenyl	3800	U	460	U	460	U	430	U	460	U	3900	U		
2-Chloronaphthalene	3800	U	460	U	460	U	430	U	460	U	3900	U		
2-Nitroaniline	9500	U	1200	U	1200	U	1100	U	1200	U	9800	U		
Dimethylphthalate	3800	U	460	U	460	U	430	U	460	U	3900	U		
2,6-Dinitrotoluene	3800	U	460	U	460	U	430	U	460	U	3900	U		
Acenaphthylene	3800	U	460	U	460	U	430	U	460	U	3900	U		
3-Nitroaniline	9500	U	1200	U	1200	U	1100	U	1200	U	9800	U		
Acenaphthene	3800	U	460	U	460	U	430	U	460	U	3900	U		
2,4-Dinitrophenol	9500	U	1200	U	1200	U	1100	U	1200	U	9800	U		
4-Nitrophenol	9500	U	1200	U	1200	U	1100	U	1200	U	9800	U		
Dibenzofuran	3800	U	460	U	460	U	430	U	460	U	3900	U		
2,4-Dinitrotoluene	3800	U	460	U	460	U	430	U	460	U	3900	U		
Diethylphthalate	3800	U	460	U	460	U	430	U	460	U	3900	U		
Fluorene	3800	U	460	U	460	U	430	U	460	U	3900	U		
4-Chlorophenyl-phenyl ether	3800	U	460	U	460	U	430	U	460	U	3900	U		
4-Nitroaniline	9500	U	1200	U	1200	U	1100	U	1200	U	9800	U		
4,6-Dinitro-2-methylphenol	9500	U	1200	U	1200	U	1100	U	1200	U	9800	U		
N-Nitrosodiphenylamine	3800	U	460	U	460	U	430	U	460	U	3900	U		
4-Bromophenyl-phenylether	3800	U	460	U	460	U	430	U	460	U	3900	U		
Hexachlorobenzene	3800	U	460	U	460	U	430	U	460	U	3900	U		
Atrazine	3800	U	460	U	460	U	430	U	460	U	3900	U		
Pentachlorophenol	9500	U	1200	U	1200	U	1100	U	1200	U	9800	U		
Phenanthrene	750	LJ	460	U	460	U	430	U	460	U	3900	U		
Anthracene	3800	U	460	U	460	U	430	U	460	U	3900	U		
Carbazole	3800	U	460	U	460	U	430	U	460	U	3900	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.

ORGANIC DATA SUMMARY

Case No.: 28064 SDG: F02J4 Reviewer: Mike Fertitta

Laboratory: AATSLA Matrix: Soil Units: ug/Kg

SEMIVOLATILE EPA SAMPLE NUMBER:	F0-2JK	FLAG	F0-2J4	FLAG	F0-2J6	FLAG	F0-2KH	FLAG	F0-2KJ	FLAG	F0-2K9	FLAG		FLAG
Di-n-butylphthalate	3800	U	59	LJ	460	U	430	U	69	LJ	3900	U		
Fluoranthene	3800	U	460	U	460	U	87	LJ	62	LJ	660	LJ		
Pyrene	3800	U	460	U	460	U	58	LJ	460	U	3900			
Butylbenzylphthalate	1700	LJ	460	U	460	U	430	U	460	U	3900	U		
3,3'-Dichlorobenzidine	3800	U	460	U	460	U	430	U	460	U	3900	U		
Benzo(a)anthracene	3800	U	460	U	460	U	430	U	460	U	1800	LJ		
Chrysene	3800	U	460	U	460	U	430	U	460	U	8500			
bis(2-Ethylhexyl)phthalate	2200	LJ	68	LJ	460	U	130	LJ	83	LJ	3000	LJ		
Di-n-octylphthalate	3800	U	460	U	460	U	430	U	460	U	3900	U		
Benzo(b)fluoranthene	3800	U	460	U	460	U	430	U	460	U	1200	LJ		
Benzo(k)fluoranthene	3800	U	460	U	460	U	430	U	460	U	1400	LJ		
Benzo(a)pyrene	3800	U	460	U	460	U	430	U	460	U	1600	LJ		
Indeno(1,2,3-cd)pyrene	3800	U	460	U	460	U	430	U	460	U	3900	U		
Dibenzo(a,h)anthracene	3800	U	460	U	460	U	430	U	460	U	640	LJ		
Benzo(g,h,i)perylene	3800	U	460	U	460	U	430	U	460	U	2000	LJ		
Sample wt (g):	30.0		30.0		30.0		30.0		30.0		30.0			
%Moisture:	13		28		28		24		29		15			
Dilution Factor:	10.0		1.0		1.0		1.0		1.0		10.0			
Level:	LOW		LOW		LOW		LOW		LOW		LOW			
Number of TIC's:	30		27		30		29		18		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.

ORGANIC DATA SUMMARY

Case No.: 28064 SDG: F02J4 Reviewer: Mike Ferritta

Laboratory: AATSLA Matrix: Water Units: ug/L

SEMIVOLATILE EPA SAMPLE NUMBER:	FLAG F0-2H4	FLAG	FLAG	FLAG	FLAG	FLAG	FLAG
Benzaldehyde	10 U						
Phenol	10 U						
bis-(2-Chloroethyl) ether	10 U						
2-Chlorophenol	10 U						
2-Methylphenol	10 U						
2,2'-oxybis(1-Chloropropane)	10 U						
Acetophenone	10 U						
4-Methylphenol	10 U						
N-Nitroso-di-n-propylamine	10 U						
Hexachloroethane	10 U						
Nitrobenzene	10 U						
Isophorone	10 U						
2-Nitrophenol	10 U						
2,4-Dimethylphenol	10 U						
bis(2-Chloroethoxy)methane	10 U						
2,4-Dichlorophenol	10 U						
Naphthalene	10 U						
4-Chloroaniline	10 U						
Hexachlorobutadiene	10 U						
Caprolactam	10 U						
4-Chloro-3-methylphenol	2 UJ						
2-Methylnaphthalene	10 U						
Hexachlorocyclopentadiene	10 U						
2,4,6-Trichlorophenol	10 U						
2,4,5-Trichlorophenol	25 U						
1,1'-Biphenyl	10 U						
2-Chloronaphthalene	10 U						
2-Nitroaniline	25 U						
Dimethylphthalate	10 U						
2,6-Dinitrotoluene	10 U						
Acenaphthylene	10 U						
3-Nitroaniline	25 U						
Acenaphthene	10 U						
2,4-Dinitrophenol	25 U						
4-Nitrophenol	25 U						
Dibenzofuran	10 U						
2,4-Dinitrotoluene	10 U						
Diethylphthalate	10 U						
Fluorene	10 U						
4-Chlorophenyl-phenyl ether	10 U						
4-Nitroaniline	25 U						
4,6-Dinitro-2-methylphenol	25 U						
N-Nitrosodiphenylamine	10 U						
4-Bromophenyl-phenylether	10 U						
Hexachlorobenzene	10 U						
Atrazine	10 U						
Pentachlorophenol	25 U						
Phenanthrene	10 U						
Anthracene	10 U						
Carbazole	10 U						
Di-n-butylphthalate	10 U						
Fluoranthene	10 U						
Pyrene	10 U						
Butylbenzylphthalate	10 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.

ORGANIC DATA SUMMARY

Case No. : 28064 SDG : F02J4 Reviewer : Mike Fertitta

Laboratory : AATSLA Matrix : Water Units : ug/L

SEMIVOLATILE EPA SAMPLE NUMBER :	F0-2H4	FLAG	FLAG	FLAG	FLAG	FLAG	FLAG	FLAG
3,3'-Dichlorobenzidine	10	U						
Benzo(a)anthracene	10	U						
Chrysene	10	U						
bis(2-Ethylhexyl)phthalate	10	U						
Di-n-octylphthalate	10	U						
Benzo(b)fluoranthene	10	U						
Benzo(k)fluoranthene	10	U						
Benzo(a)pyrene	10	U						
Indeno(1,2,3-cd)pyrene	10	U						
Dibenzo(a,h)anthracene	10	U						
Benzo(g,h,i)perylene	10	U						
Volume (ml) :	1000							
Dilution Factor :	1.0							
Number of TIC's :	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.

ORGANIC DATA SUMMARY

Case No. : 28064 SDG : F02J4 Reviewer : Mike Ferritta

Laboratory : AATSLA Matrix : Soil Units : ug/Kg

PESTICIDES/PCBs EPA SAMPLE NUMBER :	F0-2HE	FLAG	F0-2HT	FLAG	F0-2HW	FLAG	F0-2HX	FLAG	F0-2HY	FLAG	F0-2HYDL	FLAG	F0-2HZ	FLAG
alpha-BHC	2.2	U	2.3	U	2.3	U	2.5	U	7.3		4.9	*	2.1	U
beta-BHC	2.2	U	2.3	U	2.3	U	2.5	U	1.8	LJ	13	U *	2.1	U
delta-BHC	2.2	U	2.3	U	2.3	U	2.5	U	2.6	U	13	U *	2.1	U
gamma-BHC (Lindane)	2.2	U	2.3	U	2.3	U	2.5	U	0.97	LJ	13	U *	2.1	U
Heptachlor	2.2	U	2.3	U	2.3	U	2.5	U	2.6	U	13	U *	2.1	U
Aldrin	2.2	U	2.3	U	2.3	U	2.5	U	2.6	U	13	U *	2.1	U
Heptachlor epoxide	2.2	U	2.3	U	2.3	U	2.5	U	2.6	U	13	U *	2.1	U
Endosulfan I	2.2	U	2.3	U	2.3	U	2.5	U	2.6	U	13	U *	2.1	U
Dieldrin	4.3	U	4.5	U	4.5	U	4.8	U	5.1	U	25	U *	4.1	U
4,4'-DDE	4.3	U	0.58	LJ	4.5	U	4.8	U	5.1	U	25	U *	4.1	U
Endrin	4.3	U	4.5	U	4.5	U	4.8	U	1.3	LJ	25	U *	4.1	U
Endosulfan II	4.3	U	4.5	U	4.5	U	4.8	U	5.1	U	25	U *	4.1	U
4,4'-DDD	4.3	U	0.93	LJ	4.5	U	4.8	U	5.1	U	25	U *	4.1	U
Endosulfan sulfate	4.3	U	4.5	U	4.5	U	4.8	U	5.1	U	25	U *	4.1	U
4,4'-DDT	4.3	U	7.3		4.5	U	4.8	U	5.1	U	25	U *	4.1	U
Methoxychlor	22	U	23	U	23	U	4.8	U	26	U	130	U *	21	U
Endrin ketone	4.3	U	4.5	U	4.5	U	4.8	U	5.1	U	25	U *	4.1	U
Endrin aldehyde	4.3	U	4.5	U	4.5	U	4.8	U	5.1	U	25	U *	4.1	U
alpha-Chlordane	2.2	U	2.3	U	2.3	U	2.5	U	2.6	U	13	U *	2.1	U
gamma-Chlordane	2.2	U	2.3	U	2.3	U	2.5	U	2.6	U	13	U *	2.1	U
Toxaphene	220	U	230	U	230	U	250	U	260	U	1300	U *	210	U
Aroclor-1016	43	U	45	U	45	U	48	U	51	U	250	U *	41	U
Aroclor-1221	88	U	91	U	92	U	97	U	100	U	520	U *	83	U
Aroclor-1232	43	U	45	U	45	U	48	U	51	U	250	U *	41	U
Aroclor-1242	43	U	45	U	45	U	48	U	51	U	250	U *	41	U
Aroclor-1248	43	U	45	U	45	U	48	U	51	U	250	U *	41	U
Aroclor-1254	43	U	45	U	45	U	48	U	51	U	250	U *	41	U
Aroclor-1260	43	U	45	U	45	U	48	U	51	U	250	U *	41	U
Sample wt (g) :	30.0		30.0		30.0		30.0		30.0		30.0		30.0	
%Moisture :	24		26		27		31		35		35		19	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0		5.0		1.0	

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.

ORGANIC DATA SUMMARY

Case No. : 28064 SDG : F02J4 Reviewer : Mike Ferritta

Laboratory : AATSLA Matrix : Soil Units : ug/Kg

PESTICIDES/PCBs EPA SAMPLE NUMBER :	F0-2JJ	FLAG	F0-2JK	FLAG	F0-2JKDL	FLAG	F0-2J4	FLAG	F0-2J6	FLAG	F0-2KH	FLAG	F0-2KJ	FLAG
alpha-BHC	2.0	U	2.0	U*	9.8	U	1.7	LJ	2.4	U	2.2	U	2.4	U
beta-BHC	0.71	LJ	2.0	U*	9.8	U	2.4	U	2.4	U	2.2	U	2.4	U
delta-BHC	2.0	U	2.0	U*	9.8	U	2.4	U	2.4	U	2.2	U	2.4	U
gamma-BHC (Lindane)	2.0	U	2.0	U*	9.8	U	2.4	U	2.4	U	2.2	U	2.4	U
Heptachlor	2.0	U	2.0	U*	7.9	LJ^	0.38	LJ	2.4	U	2.2	U	2.4	U
Aldrin	2.0	U	2.0	U*	5.5	LJ	2.4	U	2.4	U	2.2	U	2.4	U
Heptachlor epoxide	2.0	U	5.8	*	5.3	LJ^	2.4	U	2.4	U	2.2	U	2.4	U
Endosulfan I	2.0	U	2.0	U*	9.8	U	2.4	U	2.4	U	2.2	U	2.4	U
Dieldrin	3.9	U	3.8	U*	19	U	4.6	U	4.6	U	4.3	U	4.6	U
4,4'-DDE	3.9	U	27	*	19	U	4.6	U	4.6	U	4.3	U	4.6	U
Endrin	3.9	U	10	*	19	J^	4.6	U	4.6	U	4.3	U	4.6	U
Endosulfan II	3.9	U	3.8	U*	19	U	4.6	U	4.6	U	4.3	U	4.6	U
4,4'-DDD	0.71	LJ	3.8	U*	19	U	4.6	U	4.6	U	4.3	U	4.6	U
Endosulfan sulfate	3.9	U	3.8	U*	19	U	4.6	U	4.6	U	4.3	U	4.6	U
4,4'-DDT	3.9	U	31	*	19	U	4.6	U	4.6	U	4.3	U	4.6	U
Methoxychlor	20	U	20	U*	98	U	24	U	24	U	22	U	24	U
Endrin ketone	3.9	U	3.8	U*	19	U	4.6	U	1.8	LJ	4.3	U	4.6	U
Endrin aldehyde	3.9	U	44	*	24	J^	4.6	U	4.6	U	4.3	U	4.6	U
alpha-Chlordane	2.0	U	9.4	*	3.3	LJ	2.4	U	2.4	U	2.2	U	2.4	U
gamma-Chlordane	2.0	U	17	*	6.1	LJ	2.4	U	2.4	U	2.2	U	2.4	U
Toxaphene	200	U	200	U*	980	U	240	U	240	U	220	U	240	U
Aroclor-1016	39	U	38	U*	190	U	46	U	46	U	43	U	46	U
Aroclor-1221	80	U	77	U*	390	U	93	U	93	U	88	U	94	U
Aroclor-1232	39	U	38	U*	190	U	46	U	46	U	43	U	46	U
Aroclor-1242	39	U	38	U*	190	U	46	U	46	U	43	U	46	U
Aroclor-1248	39	U	38	U*	190	U	46	U	46	U	43	U	46	U
Aroclor-1254	39	U	38	U*	190	U	46	U	46	U	43	U	46	U
Aroclor-1260	39	U	38	U*	190	U	46	U	46	U	43	U	46	U
Sample wt (g) :	30.0		30.0		30.0		30.0		30.0		30.0		30.0	
%Moisture :	16		13		13		28		28		24		29	
Dilution Factor :	1.0		1.0		5.0		1.0		1.0		1.0		1.0	

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.

ORGANIC DATA SUMMARY

Case No. : 28064 SDG : F02J4 Reviewer : Mike Fertitta

Laboratory : AATSLA Matrix : Soil Units : ug/Kg

PESTICIDES/PCBs EPA SAMPLE NUMBER :	F0-2K9	FLAG	F0-2K9DL	FLAG		FLAG		FLAG		FLAG		FLAG		FLAG
alpha-BHC	20	U	200	U *										
beta-BHC	20	U	200	U *										
delta-BHC	20	U	200	U *										
gamma-BHC (Lindane)	20	U	200	U *										
Heptachlor	20	U	200	U *										
Aldrin	20	U	200	U *										
Heptachlor epoxide	8.5	UJ*	200	U *										
Endosulfan I	40	J*	200	U *										
Dieldrin	39	U	390	U *										
4,4'-DDE	39	U	390	U *										
Endrin	39	U	390	U *										
Endosulfan II	39	U	390	U *										
4,4'-DDD	220	J*T	110	*										
Endosulfan sulfate	39	U	390	U *										
4,4'-DDT	150	J*T	120	*										
Methoxychlor	200	U	2000	U *										
Endrin ketone	360	J*	340	*										
Endrin aldehyde	280	J*	210	*										
alpha-Chlordane	20	U	200	U *										
gamma-Chlordane	9.7	UJ	200	U *										
Toxaphene	2000	U	20000	U *										
Aroclor-1016	390	U	3900	U *										
Aroclor-1221	790	U	7900	U *										
Aroclor-1232	390	U	3900	U *										
Aroclor-1242	390	U	3900	U *										
Aroclor-1248	390	U	3900	U *										
Aroclor-1254	390	U	3900	U *										
Aroclor-1260	390	U	3900	U *										
Sample wt (g) :	30.0		30.0											
%Moisture :	15		15											
Dilution Factor :	10.0		100.0											

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.

ORGANIC DATA SUMMARY

Case No.: 28064 SDG: F02J4 Reviewer: Mike Fertitta

Laboratory: AATSLA Matrix: Water Units: ug/L

PESTICIDES/PCBs EPA SAMPLE NUMBER:	F0-2H4	FLAG	FLAG	FLAG	FLAG	FLAG	FLAG	FLAG
alpha-BHC	0.050	U						
beta-BHC	0.050	U						
delta-BHC	0.050	U						
gamma-BHC (Lindane)	0.050	U						
Heptachlor	0.050	U						
Aldrin	0.050	U						
Heptachlor epoxide	0.050	U						
Endosulfan I	0.050	U						
Dieldrin	0.10	U						
4,4'-DDE	0.10	U						
Endrin	0.10	U						
Endosulfan II	0.10	U						
4,4'-DDD	0.10	U						
Endosulfan sulfate	0.10	U						
4,4'-DDT	0.10	U						
Methoxychlor	0.50	U						
Endrin ketone	0.10	U						
Endrin aldehyde	0.10	U						
alpha-Chlordane	0.050	U						
gamma-Chlordane	0.050	U						
Toxaphene	5.0	U						
Aroclor-1016	1.0	U						
Aroclor-1221	2.0	U						
Aroclor-1232	1.0	U						
Aroclor-1242	1.0	U						
Aroclor-1248	1.0	U						
Aroclor-1254	1.0	U						
Aroclor-1260	1.0	U						
Volume (ml):	1000							
Dilution Factor:	1.0							

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.

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 28064 SDG No. F02J4 SDG Nos. To Follow SAS No. Date Rec 06/21/00

EPA Lab ID: AATSLA

Lab Location: Baton Rouge, LA

Region: 6 Audit No.: 28064/F02J4

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: Michael J. Ferritta — Michael J. Ferritta/Data Reviewer — Date 07/06/00

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___

42026

In Reference to Case No(s):
28064 SDG: F02J4 (O-2207)

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: Michael J. Fertitta - ESAT

FAX initiated by: ____Laboratory __X__Region

In reference to data for the following fractions:

BNA

Summary of Questions/Issues:

Sample F0-2JJ: A very high non-target compound response required a 75X dilution, which would indicate that the analysis should have been a medium level analysis. Please provide screening data to justify the low level analysis of this sample (OLM04.2, D-71/SVOA, 2.1 and 2.2).

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 by 07/26/00 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

7-24-00
Date

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

In Reference to Case No(s):
28064 SDG: F02J4 (O-2207)

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: Michael J. Fertitta - ESAT

FAX initiated by: ____Laboratory __X__Region

In reference to data for the following fractions:

PEST

Summary of Questions/Issues:

1. Sample F0-2J4MS: The percent moisture was incorrectly reported on Form 1E (page 1171) as 0 percent, and none of the concentrations reported on Forms 1E or Form 10A (page 1101) were appropriately corrected for percent moisture. Please resubmit pages 1101 and 1171 with the appropriate corrections to all concentrations.

2. The baseline setting technique used by the analyst to integrate the target compound peak areas was inappropriate because it included a significant amount of background signals that did not belong to the compounds. Please comment on the peak integration for the following analyte results and/or reprocess the peak integration and submit revised data:

   results for heptachlor, heptachlor epoxide, endrin, and endrin aldehyde in sample F0-2JKDL and

   results for heptachlor epoxide, endosulfan I, DDD, DDT, endrin ketone, and endrin aldehyde in sample F0-2K9.

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.

FAX COMMUNICATION LOG

Continuation Page: 2
Laboratory/Contact: AATSLA/John Troost
In Reference to Case No. 28064 SDG: F02J4

Please respond to the above item within seven days 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

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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. TNRCC	4. Date Shipped 5/19/00	Carrier AIR BORNE	6. Matrix (Enter in Column A)	7. Preservative (Enter in Column D)
Account Code	Sampler (Name) Marshall Cedillo		Airbill Number 2952379931		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)	1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Ice only 6. CH3OH 7. Other (specify in Column D) N. Not Preserved
Site Name FALCON REFINING	Sampler Signature Marshall Cedillo		5. Ship To: AATSLA 11950 INDUSTRIPLEX BLVD. BATON ROUGE, LA 70809 ATTN: S. STUART			
City, State INGLESIDE TX	Site Spill ID	Op Unit	3. Purpose** Lead: SF, PRP, ST, X FED, OZ; Early Action: NA, PA, REM, RI, SI, X ESI; Long-Term Action: RIFS, RD, RA, O&M			

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 = Rinsate PE = Perform Eval.
F02HE	5	L	C	5	X	X	X	6-188581-86	SE-2	5/16/00 1636	MF00ME	MC	—
F02JJ	5	L	G	5	X	X	X	6-188663-66	SO-5	5/16/00 1737	MF00P3	WN	—
F02JK	5	L	G	5	X	X	X	6-188679-82	SO-6	5/16/00 1657	MF00P4	WN	—
F02HT	5	L	C	5	X	X	X	6-188844-49	SE-15	5/16/00 1429	MF00NC	MC	—
F02HW	5	L	C	5	X	X	X	6-188509-14	SE-16	5/16/00 1453	MF00ND	MC	—
F02HX	5	L	C	5	X	X	X	6-188551-62	SE-17	5/16/00 1550	MF00NE	MC	—
F02HY	5	L	C	5	X	X	X	6-188605-10	SE-18	5/16/00 1520	MF00NF	MC	—
F02HZ	5	L	C	5	X	X	X	6-188645-49	SE-19	5/16/00 1535	MF00NG	MC	—
F02KH	5	L	C	5	X	X	X	6-189317-22	SE-32	5/16/00 1655	MF00Q2	MC	—
F02KJ	5	L	C	5	X	X	X	6-189325-30	SE-33	5/16/00 1659	MF00Q3	MC	D(F02KH)

Shipment for Case Complete? (Y/N) Y	Page 1 of 2	VOA MS/MSD Required? Y/N Sample #:	Additional Sampler Signatures	Chain of Custody Seal Number(s)
		BNA MS/MSD Required? Y/N Sample #:		
		Pest/PCB MS/MSD Required? Y/N Sample #:		

*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 5-19-00 1200	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
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

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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. 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] FEO [ ] DZ; 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 (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 = Rinsate PE = Perform Eval.)
F02J2	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	6-188958-961	SO-27	5/17/00/1358	MF00PR	WN	—
F02K9	5	L	G	5	X	X	X	6-188983-986	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) Y — Page 1 of 1

VOA MS/MSD Required? (Y/N) N Sample #: F02J4
BNA MS/MSD Required? (Y/N) N Sample #: F02J4
Pest/PCB MS/MSD Required? (Y/N) N Sample #: F02J4

Additional Sampler Signatures: Marshall Collins

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

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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

14

1. Project Code	2. Region No. 6	Sampling Co. TNRCC	4. Date Shipped 5/19/00
Account Code	Sampler (Name) Marshall Cedulate	Airbill Number 2952379931	Carrier Air Borne
Site Name Falcon Refining	Sampler Signature Marshall Cedulate	5. Ship To: AATSLA 11950 Industriplex Blvd Baton Rouge, LA ATTN: S. STUART	
City, State Houston TX	Site Spill ID	Op Unit	

3. Purpose**: Lead [ ] SF [ ] PRP [X] ST [ ] FED [ ] BZ; Early Action [ ] IA [ ] PA [ ] REM [ ] RI [ ] SI [X] ESI; Long-Term Action [ ] RI'S [ ] 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.
F02H4	4	L	G	5	X			6-188996-97	FB-4	5/18/00 1706	MF00MM	WN	B

Shipment for Case Complete? (Y/N)	Page 2 of 2	VOA MS/MSD Required? Y/N Sample #:	Additional Sampler Signatures	Chain of Custody Seal Number(s)
		BNA MS/MSD Required? Y/N Sample #:		
		Pest/PCB MS/MSD Required? Y/N Sample #:		

*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)
	5/19/00 1200				
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

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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

15

1. Project Code	2. Region No. 6	Sampling Co. TNRCC	4. Date Shipped 5/19/00
Carrier Air Borne			
Account Code	Sampler (Name) Marshall Cedilote	Airbill Number 2952380336	
Site Name Falcon Refining	Sampler Signature Marshall Cedilote	5. Ship To: AATSLA 11950 Industriplex Blvd Baton Rouge, LA ATTN: S. Stuart	
City, State Inkleside 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 (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 = Rinsate PE = Perform Eval.
F02H4	4	L	G	5		X	X	6-188998	FB-4	5/18/00 1706	MF00MM	WN	B

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

*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-Sep 1200				
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

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CLASS-99-001

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02H4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) WATER Lab Sample ID: 42606.11

Sample wt/vol: 5 (g/mL) ML Lab File ID: 153B13.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. _____ Date Analyzed: 06/01/00

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02H4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) WATER Lab Sample ID: 42606.11

Sample wt/vol: 5 (g/mL) ML Lab File ID: 153B13.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. _____ Date Analyzed: 06/01/00

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02H4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) WATER Lab Sample ID: 42606.11

Sample wt/vol: 5 (g/mL) ML Lab File ID: 153B13.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. _____ Date Analyzed: 06/01/00

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.01

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 151B15.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 24 Date Analyzed: 05/30/00

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	36	
75-15-0	Carbon Disulfide	27	
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	6	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	4	J
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.01

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 151B15.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 24 Date Analyzed: 05/30/00

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	2	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.

F02HE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.01

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 151B15.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 24 Date Analyzed: 05/30/00

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

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.23	19	J
2.	UNKNOWN	5.16	8	J
3.	UNKNOWN	5.57	6	J
4.	UNKNOWN	6.09	120	J
5.	UNKNOWN	10.16	7	J
6.	UNKNOWN	13.08	19	J
7.	UNKNOWN	15.62	7	J
8.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.04

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 145A24.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 26 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	29	B
75-15-0	Carbon Disulfide	5	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	4	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	6	J
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.

F02HT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.04

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 145A24.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 26 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.

F02HT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.04

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 145A24.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 26 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: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.91	89	J
2. 420-56-4	SILANE, FLUOROTRIMETHYL-	2.68	55	JN
3.	UNKNOWN	6.25	40	J
4.	UNKNOWN	6.55	45	J
5.	UNKNOWN	7.02	110	J
6.	UNKNOWN	7.35	14	J
7.	UNKNOWN	8.03	21	J
8.	UNKNOWN	8.28	17	J
9.	UNKNOWN	8.62	20	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HTRE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.04RA

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 151B16.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 26 Date Analyzed: 05/30/00

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	36	
75-15-0	Carbon Disulfide	5	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	5	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.

F02HTRE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.04RA

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 151B16.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 26 Date Analyzed: 05/30/00

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.

F02HTRE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.04RA

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 151B16.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 26 Date Analyzed: 05/30/00

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

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

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.14	7	J
2.		UNKNOWN	13.05	14	J
3.					
4.					
5.					
6.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.05

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 145A25.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 27 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	30	B
75-15-0	Carbon Disulfide	4	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	2	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	6	J
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.

F02HW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.05

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 145A25.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 27 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.

F02HW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.05

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 145A25.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 27 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: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.90	64	J
2.	UNKNOWN	2.49	8	J
3. 420-56-4	SILANE, FLUOROTRIMETHYL-	2.67	37	JN
4.	UNKNOWN	6.19	82	J
5.	UNKNOWN	6.53	92	J
6.	UNKNOWN	6.95	100	J
7.	UNKNOWN	7.31	64	J
8.	UNKNOWN	7.99	22	J
9.	UNKNOWN	8.24	10	J
10.	UNKNOWN	14.16	12	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HWRE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.05RA

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 151B17.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 27 Date Analyzed: 05/30/00

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	69	
75-15-0	Carbon Disulfide	6	J
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	5	BJ
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.

F02HWRE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.05RA

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 151B17.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 27 Date Analyzed: 05/30/00

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

EPA SAMPLE NO.

F02HWRE

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.05RA

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 151B17.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 27 Date Analyzed: 05/30/00

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	6.04	31	J
2.		UNKNOWN	10.14	8	J
3.		UNKNOWN	13.06	18	J
4.					
5.					
6.					
7.					
8.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.06

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 151B18.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 31 Date Analyzed: 05/30/00

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	93	
75-15-0	Carbon Disulfide	36	
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	4	BJ
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	19	
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.

F02HX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.06

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 151B18.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 31 Date Analyzed: 05/30/00

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.

F02HX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.06

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 151B18.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 31 Date Analyzed: 05/30/00

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.96	7	J
2.		UNKNOWN	6.08	13	J
3.	541-05-9	CYCLOTRISILOXANE, HEXAMETHYL	10.21	8	JN
4.		UNKNOWN	13.17	22	J
5.		UNKNOWN	15.74	9	J
6.					
7.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B19.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 35 Date Analyzed: 05/30/00

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B19.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 35 Date Analyzed: 05/30/00

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	15	U
108-87-2	Methylcyclohexane	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	15	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
1330-20-7	Xylene (total)	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropylbenzene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02HY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B19.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 35 Date Analyzed: 05/30/00

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 7446-09-5	SULFUR DIOXIDE	1.67	20	JN
2.	UNKNOWN	2.21	16	J
3.	UNKNOWN	6.07	42	J
4. 541-05-9	CYCLOTRISILOXANE, HEXAMETHYL	10.19	8	JN
5.	UNKNOWN	13.13	20	J
6.				
7.				
8.				
9.				
10.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.08

Sample wt/vol: 5.9 (g/mL) G Lab File ID: 151B12.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 19 Date Analyzed: 05/30/00

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	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	39	
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	5	BJ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	11	
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.08

Sample wt/vol: 5.9 (g/mL) G Lab File ID: 151B12.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 19 Date Analyzed: 05/30/00

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02HZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.08

Sample wt/vol: 5.9 (g/mL) G Lab File ID: 151B12.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 19 Date Analyzed: 05/30/00

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

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

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.23	9	J
2.	75-18-3	DIMETHYL SULFIDE	4.59	190	JN
3.		UNKNOWN	10.19	5	J
4.		UNKNOWN	10.68	6	J
5.		UNKNOWN	13.12	12	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A12.D

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

% Moisture: not dec. 28 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	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	12	BJ
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	25	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	2	J

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A12.D

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

% Moisture: not dec. 28 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	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.

F02J4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A12.D

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

% Moisture: not dec. 28 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.

F02J6

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A15.D

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

% Moisture: not dec. 28 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	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	2	BJ
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	25	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.

F02J6

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A15.D

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

% Moisture: not dec. 28 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	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.

F02J6

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A15.D

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

% Moisture: not dec. 28 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.

F02JJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.02

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 153B18.D

Level: (low/med) MED Date Received: 05/22/00

% Moisture: not dec. 16 Date Analyzed: 06/01/00

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 5 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	29000	U
74-87-3	Chloromethane	29000	U
75-01-4	Vinyl Chloride	29000	U
74-83-9	Bromomethane	29000	U
75-00-3	Chloroethane	29000	U
75-69-4	Trichlorofluoromethane	29000	U
75-35-4	1,1-Dichloroethene	29000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29000	U
67-64-1	Acetone	29000	U
75-15-0	Carbon Disulfide	29000	U
79-20-9	Methyl Acetate	29000	U
75-09-2	Methylene Chloride	29000	U
156-60-5	trans-1,2-Dichloroethene	29000	U
1634-04-4	Methyl tert-Butyl Ether	29000	U
75-34-3	1,1-Dichloroethane	29000	U
156-59-2	cis-1,2-Dichloroethene	29000	U
78-93-3	2-Butanone	29000	U
67-66-3	Chloroform	29000	U
71-55-6	1,1,1-Trichloroethane	29000	U
110-82-7	Cyclohexane	110000	
56-23-5	Carbon Tetrachloride	29000	U
71-43-2	Benzene	29000	
107-06-2	1,2-Dichloroethane	29000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.02

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 153B18.D

Level: (low/med) MED Date Received: 05/22/00

% Moisture: not dec. 16 Date Analyzed: 06/01/00

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 5 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	29000	U
108-87-2	Methylcyclohexane	350000	
78-87-5	1,2-Dichloropropane	29000	U
75-27-4	Bromodichloromethane	29000	U
10061-01-5	cis-1,3-Dichloropropene	29000	U
108-10-1	4-Methyl-2-Pentanone	29000	U
108-88-3	Toluene	250000	
10061-02-6	trans-1,3-Dichloropropene	29000	U
79-00-5	1,1,2-Trichloroethane	29000	U
127-18-4	Tetrachloroethene	29000	U
591-78-6	2-Hexanone	29000	U
124-48-1	Dibromochloromethane	29000	U
106-93-4	1,2-Dibromoethane	29000	U
108-90-7	Chlorobenzene	29000	U
100-41-4	Ethylbenzene	180000	
1330-20-7	Xylene (total)	320000	
100-42-5	Styrene	29000	U
75-25-2	Bromoform	29000	U
98-82-8	Isopropylbenzene	28000	J
79-34-5	1,1,2,2-Tetrachloroethane	29000	U
541-73-1	1,3-Dichlorobenzene	29000	U
106-46-7	1,4-Dichlorobenzene	29000	U
95-50-1	1,2-Dichlorobenzene	29000	U
96-12-8	1,2-Dibromo-3-chloropropane	29000	U
120-82-1	1,2,4-Trichlorobenzene	29000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.02

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 153B18.D

Level: (low/med) MED Date Received: 05/22/00

% Moisture: not dec. 16 Date Analyzed: 06/01/00

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 5 (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 13395-76-1	CYCLOHEXANONE, 2,3-DIMETHYL-	12.38	94000	JN
2.	UNKNOWN	13.15	37000	J
3.	UNKNOWN	13.29	62000	J
4. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	13.67	34000	JN
5. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	13.91	23000	JN
6. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	14.48	53000	JN
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JK

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.03

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 153B14.D

Level: (low/med) MED Date Received: 05/22/00

% Moisture: not dec. 13 Date Analyzed: 06/01/00

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1400	U
74-87-3	Chloromethane	1400	U
75-01-4	Vinyl Chloride	1400	U
74-83-9	Bromomethane	1400	U
75-00-3	Chloroethane	1400	U
75-69-4	Trichlorofluoromethane	1400	U
75-35-4	1,1-Dichloroethene	1400	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1400	U
67-64-1	Acetone	1200	J
75-15-0	Carbon Disulfide	1400	U
79-20-9	Methyl Acetate	1400	U
75-09-2	Methylene Chloride	460	BJ
156-60-5	trans-1,2-Dichloroethene	1400	U
1634-04-4	Methyl tert-Butyl Ether	1400	U
75-34-3	1,1-Dichloroethane	1400	U
156-59-2	cis-1,2-Dichloroethene	1400	U
78-93-3	2-Butanone	1400	U
67-66-3	Chloroform	1400	U
71-55-6	1,1,1-Trichloroethane	290	J
110-82-7	Cyclohexane	1500	
56-23-5	Carbon Tetrachloride	1400	U
71-43-2	Benzene	1400	U
107-06-2	1,2-Dichloroethane	1400	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JK

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.03

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 153B14.D

Level: (low/med) MED Date Received: 05/22/00

% Moisture: not dec. 13 Date Analyzed: 06/01/00

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1400	U
108-87-2	Methylcyclohexane	2800	
78-87-5	1,2-Dichloropropane	1400	U
75-27-4	Bromodichloromethane	1400	U
10061-01-5	cis-1,3-Dichloropropene	1400	U
108-10-1	4-Methyl-2-Pentanone	1400	U
108-88-3	Toluene	1700	
10061-02-6	trans-1,3-Dichloropropene	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
127-18-4	Tetrachloroethene	690	J
591-78-6	2-Hexanone	1400	U
124-48-1	Dibromochloromethane	1400	U
106-93-4	1,2-Dibromoethane	1400	U
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethylbenzene	2000	
1330-20-7	Xylene (total)	6700	
100-42-5	Styrene	1400	U
75-25-2	Bromoform	1400	U
98-82-8	Isopropylbenzene	930	J
79-34-5	1,1,2,2-Tetrachloroethane	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
96-12-8	1,2-Dibromo-3-chloropropane	1400	U
120-82-1	1,2,4-Trichlorobenzene	1400	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JK

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.03

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 153B14.D

Level: (low/med) MED Date Received: 05/22/00

% Moisture: not dec. 13 Date Analyzed: 06/01/00

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 7

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	12.30	3000	J
2.		UNKNOWN	13.08	2400	J
3.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	13.21	6200	JN
4.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	13.58	2200	JN
5.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	13.83	4000	JN
6.	620-14-4	BENZENE, 1-ETHYL-3-METHYL-	14.39	7800	JN
7.		UNKNOWN	14.69	7600	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K9

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A16.D

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

% Moisture: not dec. 15 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	120	B
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	27	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	5	J
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	4	J
107-06-2	1,2-Dichloroethane	1	J

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K9

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A16.D

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

% Moisture: not dec. 15 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.

F02K9

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 145A16.D

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

% Moisture: not dec. 15 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.

F02KH

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.09

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 151B20.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 24 Date Analyzed: 05/30/00

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	29	
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	5	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.

F02KH

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.09

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 151B20.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 24 Date Analyzed: 05/30/00

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.

F02KH

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.09

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 151B20.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 24 Date Analyzed: 05/30/00

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

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

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.04	20	J
2.	UNKNOWN	6.40	8	J
3.	UNKNOWN	13.14	14	J
4.	UNKNOWN	15.70	6	J
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.10

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 151B14.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 29 Date Analyzed: 05/30/00

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	33	
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	4	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	2	J
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.10

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 151B14.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 29 Date Analyzed: 05/30/00

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.

F02KJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.10

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 151B14.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: not dec. 29 Date Analyzed: 05/30/00

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

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

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.06	32	J
2.		UNKNOWN	13.09	9	J
3.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02H4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) WATER Lab Sample ID: 42606.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 159F04.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/07/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	2	J
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02H4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) WATER Lab Sample ID: 42606.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 159F04.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/07/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02H4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) WATER Lab Sample ID: 42606.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 159F04.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/07/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.66	3	BJ
2.		UNKNOWN	2.72	3	BJ
3.		UNKNOWN	8.19	2	J
4.	301-02-0	9-OCTADECENAMIDE, (Z)-	12.22	5	JN
5.		UNKNOWN	16.23	3	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F05.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 24 decanted: (Y/N) N Date Extracted: 05/23/00

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

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	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F05.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 24 decanted: (Y/N) N Date Extracted: 05/23/00

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

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	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenz(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02HE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F05.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 24 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F08.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/23/00

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

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	450	U
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
98-86-2	Acetophenone	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
105-60-2	Caprolactam	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	450	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
606-20-2	2,6-Dinitrotoluene	450	U
208-96-8	Acenaphthylene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F08.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/23/00

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

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	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
86-73-7	Fluorene	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
1912-24-9	Atrazine	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	450	U
129-00-0	Pyrene	450	U
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	450	U
117-81-7	bis(2-Ethylhexyl)phthalate	450	U
117-84-0	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenz(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	450	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02HT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F08.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 541-02-6	CYCLOPENTASILOXANE, DECAMETH	3.56	130	BJN
2.	UNKNOWN	7.41	130	J
3. 57-10-3	HEXADECANOIC ACID	8.33	93	JN
4.	UNKNOWN	9.00	200	J
5.	UNKNOWN	10.41	230	J
6.	UNKNOWN	10.62	210	J
7.	UNKNOWN	12.24	160	J
8.	UNKNOWN	14.87	180	J
9.	UNKNOWN	15.62	99	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F09.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	450	U
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
98-86-2	Acetophenone	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
105-60-2	Caprolactam	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	450	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
606-20-2	2,6-Dinitrotoluene	450	U
208-96-8	Acenaphthylene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F09.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
86-73-7	Fluorene	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
1912-24-9	Atrazine	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	49	J
206-44-0	Fluoranthene	450	U
129-00-0	Pyrene	450	U
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	450	U
117-81-7	bis(2-Ethylhexyl)phthalate	450	U
117-84-0	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenz(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	450	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02HW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F09.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.71	100	J
2.	UNKNOWN	2.74	190	J
3.	UNKNOWN	3.56	170	J
4.	UNKNOWN	4.09	93	J
5.	UNKNOWN	7.41	97	J
6. 57-10-3	HEXADECANOIC ACID	8.34	130	JN
7.	UNKNOWN	9.00	99	J
8.	UNKNOWN	10.42	100	J
9.	UNKNOWN	10.97	91	J
10.	UNKNOWN	12.25	150	J
11. 57-88-5	CHOLESTEROL	13.80	170	JN
12.	UNKNOWN	14.43	190	J
13.	UNKNOWN	14.56	110	J
14.	UNKNOWN	14.87	140	J
15.	UNKNOWN	15.64	120	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F10.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	66	J
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

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F10.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	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	480	U
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	51	J
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	480	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02HX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F10.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 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	3.57	190	J
2. 112-27-6	TRIETHYLENE GLYCOL	4.15	1700	JN
3.	UNKNOWN	5.65	180	J
4. 57-10-3	HEXADECANOIC ACID	8.35	240	JN
5.	UNKNOWN	10.25	99	BJ
6.	UNKNOWN	12.68	110	J
7.	UNKNOWN	12.89	120	J
8.	UNKNOWN	13.12	120	J
9.	UNKNOWN	13.46	110	J
10. 53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	13.60	130	JN
11.	UNKNOWN	13.81	360	J
12.	UNKNOWN	13.85	100	J
13.	UNKNOWN	13.97	100	J
14.	UNKNOWN	14.32	420	J
15.	UNKNOWN	14.46	130	J
16.	UNKNOWN	14.48	260	J
17.	UNKNOWN	14.57	210	J
18.	UNKNOWN	14.79	390	J
19.	UNKNOWN	14.87	320	J
20.	UNKNOWN	15.11	140	J
21.	UNKNOWN	15.24	140	J
22.	UNKNOWN	15.53	130	J
23. 1058-61-3	STIGMAST-4-EN-3-ONE	15.63	220	JN
24.	UNKNOWN	16.20	97	J
25.	UNKNOWN	16.36	140	J
26.				
27.				
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F11.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 35 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	64	J
108-95-2	Phenol	510	U
111-44-4	bis(2-Chloroethyl)ether	510	U
95-57-8	2-Chlorophenol	510	U
95-48-7	2-Methylphenol	510	U
108-60-1	2,2'-oxybis(1-Chloropropane)	510	U
98-86-2	Acetophenone	510	U
106-44-5	4-Methylphenol	150	J
621-64-7	N-Nitroso-di-n-propylamine	510	U
67-72-1	Hexachloroethane	510	U
98-95-3	Nitrobenzene	510	U
78-59-1	Isophorone	510	U
88-75-5	2-Nitrophenol	510	U
105-67-9	2,4-Dimethylphenol	75	J
111-91-1	bis(2-Chloroethoxy)methane	510	U
120-83-2	2,4-Dichlorophenol	510	U
91-20-3	Naphthalene	510	U
106-47-8	4-Chloroaniline	510	U
87-68-3	Hexachlorobutadiene	510	U
105-60-2	Caprolactam	510	U
59-50-7	4-Chloro-3-methylphenol	510	U
91-57-6	2-Methylnaphthalene	510	U
77-47-4	Hexachlorocyclopentadiene	510	U
88-06-2	2,4,6-Trichlorophenol	510	U
95-95-4	2,4,5-Trichlorophenol	1300	U
92-52-4	1,1'-Biphenyl	510	U
91-58-7	2-Chloronaphthalene	510	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	510	U
606-20-2	2,6-Dinitrotoluene	510	U
208-96-8	Acenaphthylene	510	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	510	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F11.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 35 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	510	U
121-14-2	2,4-Dinitrotoluene	510	U
84-66-2	Diethylphthalate	510	U
86-73-7	Fluorene	510	U
7005-72-3	4-Chlorophenyl-phenylether	510	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	510	U
101-55-3	4-Bromophenyl-phenylether	510	U
118-74-1	Hexachlorobenzene	510	U
1912-24-9	Atrazine	510	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	510	U
120-12-7	Anthracene	510	U
86-74-8	Carbazole	510	U
84-74-2	Di-n-butylphthalate	56	J
206-44-0	Fluoranthene	510	U
129-00-0	Pyrene	510	U
85-68-7	Butylbenzylphthalate	510	U
91-94-1	3,3'-Dichlorobenzidine	510	U
56-55-3	Benzo(a)anthracene	510	U
218-01-9	Chrysene	510	U
117-81-7	bis(2-Ethylhexyl)phthalate	79	J
117-84-0	Di-n-octylphthalate	510	U
205-99-2	Benzo(b)fluoranthene	510	U
207-08-9	Benzo(k)fluoranthene	510	U
50-32-8	Benzo(a)pyrene	510	U
193-39-5	Indeno(1,2,3-cd)pyrene	510	U
53-70-3	Dibenz(a,h)anthracene	510	U
191-24-2	Benzo(g,h,i)perylene	510	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02HY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F11.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 35 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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.	UNKNOWN	2.74	190	J
2.	UNKNOWN	3.56	190	J
3.	UNKNOWN	5.23	690	J
4.	UNKNOWN	6.76	320	J
5. 2091-29-4	9-HEXADECENOIC ACID	8.28	480	JN
6.	UNKNOWN	8.60	170	J
7. 112-80-1	OLEIC ACID	9.37	1300	JN
8. 544-63-8	TETRADECANOIC ACID	9.43	190	JN
9.	UNKNOWN	10.27	180	BJ
10.	UNKNOWN	10.31	170	BJ
11.	UNKNOWN	10.43	180	J
12.	UNKNOWN	10.63	180	J
13.	UNKNOWN	11.72	260	J
14.	UNKNOWN	12.40	200	J
15.	UNKNOWN	12.70	260	J
16.	UNKNOWN	12.76	220	J
17.	UNKNOWN	12.91	660	J
18.	UNKNOWN	13.09	180	J
19.	UNKNOWN	13.13	240	J
20.	UNKNOWN	13.27	200	J
21. 53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	13.61	170	JN
22. 2599-01-1	TETRADECANOIC ACID, HEXADECY	13.67	350	JN
23. 57-88-5	CHOLESTEROL	13.82	270	JN
24.	UNKNOWN	13.99	170	J
25.	UNKNOWN	14.10	180	J
26. 83-48-7	STIGMASTEROL	14.50	430	JN
27. 540-10-3	HEXADECANOIC ACID, HEXADECYL	14.58	380	JN
28.	UNKNOWN	14.80	200	J
29.	UNKNOWN	14.88	290	J
30.	UNKNOWN	15.66	160	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F12.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	410	U
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F12.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02HZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F12.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 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	3.56	160	J
2.		UNKNOWN	10.62	200	J
3.					
4.					
5.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 154F19.D

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

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/02/00

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	65	J
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
98-86-2	Acetophenone	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
105-60-2	Caprolactam	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	460	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	460	U
606-20-2	2,6-Dinitrotoluene	460	U
208-96-8	Acenaphthylene	460	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	460	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 154F19.D

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

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/02/00

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	460	U
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
1912-24-9	Atrazine	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	59	J
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)phthalate	68	J
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	460	U
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	460	U
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenz(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02J4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 154F19.D

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

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/02/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 27

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.61	170	J
2.		UNKNOWN	2.76	140	J
3.		UNKNOWN	3.59	150	J
4.	112-27-6	TRIETHYLENE GLYCOL	4.14	290	JN
5.	57-10-3	HEXADECANOIC ACID	8.40	170	JN
6.		UNKNOWN	8.64	120	J
7.	149-30-4	2-MERCAPTOBENZOTHIAZOLE	8.69	150	BJN
8.		UNKNOWN	9.06	140	J
9.	4269-15-2	4-AMINO-9-FLUORENONE	10.10	130	JN
10.		UNKNOWN	10.37	7100	BJ
11.		UNKNOWN	10.49	210	J
12.		UNKNOWN	10.68	190	J
13.	6765-39-5	1-HEPTADECENE	11.02	120	JN
14.		UNKNOWN	11.74	190	J
15.		UNKNOWN	12.73	110	J
16.		UNKNOWN	12.88	110	J
17.		UNKNOWN	13.18	99	J
18.		UNKNOWN	13.50	200	J
19.		UNKNOWN	13.55	110	J
20.	57-88-5	CHOLESTEROL	13.88	200	JN
21.	80-97-7	CHOLESTANOL	13.94	110	JN
22.	601-54-7	CHOLEST-5-EN-3-ONE	14.55	310	JN
23.		UNKNOWN	14.88	260	J
24.		UNKNOWN	14.97	210	J
25.		UNKNOWN	15.21	210	J
26.		UNKNOWN	15.35	130	J
27.	1058-61-3	STIGMAST-4-EN-3-ONE	15.74	160	JN
28.					
29.					
30.					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J6

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 154F22.D

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

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/02/00

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	67	J
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
98-86-2	Acetophenone	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
105-60-2	Caprolactam	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	460	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	460	U
606-20-2	2,6-Dinitrotoluene	460	U
208-96-8	Acenaphthylene	460	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	460	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J6

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 154F22.D

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

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/02/00

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	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	460	U
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
1912-24-9	Atrazine	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)phthalate	460	U
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	460	U
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	460	U
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenz(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02J6

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 154F22.D

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

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/02/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 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	2.61	160	J
2. 57-10-3	HEXADECANOIC ACID	8.40	180	JN
3.	UNKNOWN	8.64	150	J
4.	UNKNOWN	10.68	650	J
5. 74685-33-9	3-EICOSENE, (E)-	11.02	150	JN
6.	UNKNOWN	11.99	160	J
7.	UNKNOWN	12.73	120	J
8.	UNKNOWN	12.88	98	J
9.	UNKNOWN	12.95	230	J
10.	UNKNOWN	13.14	100	J
11.	UNKNOWN	13.18	130	J
12.	UNKNOWN	13.24	120	J
13.	UNKNOWN	13.36	100	J
14.	UNKNOWN	13.55	110	J
15.	UNKNOWN	13.67	150	J
16.	UNKNOWN	13.88	230	J
17. 80-97-7	CHOLESTANOL	13.93	140	JN
18.	UNKNOWN	14.13	170	J
19. 4651-51-8	ERGOST-5-EN-3-OL, (3.BETA.)-	14.40	160	JN
20. 34347-28-9	CHOLESTA-5,22-DIEN-3-OL, (3.	14.55	510	JN
21.	UNKNOWN	14.67	130	J
22.	UNKNOWN	14.81	110	J
23. 83-47-6	.GAMMA.-SITOSTEROL	14.88	580	JN
24.	UNKNOWN	15.01	440	J
25.	UNKNOWN	15.16	170	J
26.	UNKNOWN	15.22	210	J
27.	UNKNOWN	15.33	370	J
28.	UNKNOWN	15.51	1400	J
29. 1058-61-3	STIGMAST-4-EN-3-ONE	15.74	200	JN
30.	UNKNOWN	16.59	110	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F06.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 1500 (uL) Date Analyzed: 06/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 25.0

GPC Cleanup: (Y/N) Y pH: 6.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	29000	U
108-95-2	Phenol	29000	U
111-44-4	bis(2-Chloroethyl)ether	29000	U
95-57-8	2-Chlorophenol	29000	U
95-48-7	2-Methylphenol	29000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	29000	U
98-86-2	Acetophenone	29000	U
106-44-5	4-Methylphenol	29000	U
621-64-7	N-Nitroso-di-n-propylamine	29000	U
67-72-1	Hexachloroethane	29000	U
98-95-3	Nitrobenzene	29000	U
78-59-1	Isophorone	29000	U
88-75-5	2-Nitrophenol	29000	U
105-67-9	2,4-Dimethylphenol	29000	U
111-91-1	bis(2-Chloroethoxy)methane	29000	U
120-83-2	2,4-Dichlorophenol	29000	U
91-20-3	Naphthalene	29000	U
106-47-8	4-Chloroaniline	29000	U
87-68-3	Hexachlorobutadiene	29000	U
105-60-2	Caprolactam	29000	U
59-50-7	4-Chloro-3-methylphenol	29000	U
91-57-6	2-Methylnaphthalene	29000	U
77-47-4	Hexachlorocyclopentadiene	29000	U
88-06-2	2,4,6-Trichlorophenol	29000	U
95-95-4	2,4,5-Trichlorophenol	74000	U
92-52-4	1,1'-Biphenyl	29000	U
91-58-7	2-Chloronaphthalene	29000	U
88-74-4	2-Nitroaniline	74000	U
131-11-3	Dimethylphthalate	29000	U
606-20-2	2,6-Dinitrotoluene	29000	U
208-96-8	Acenaphthylene	29000	U
99-09-2	3-Nitroaniline	74000	U
83-32-9	Acenaphthene	29000	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F06.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 1500 (uL) Date Analyzed: 06/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 25.0

GPC Cleanup: (Y/N) Y pH: 6.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	74000	U
100-02-7	4-Nitrophenol	74000	U
132-64-9	Dibenzofuran	29000	U
121-14-2	2,4-Dinitrotoluene	29000	U
84-66-2	Diethylphthalate	29000	U
86-73-7	Fluorene	29000	U
7005-72-3	4-Chlorophenyl-phenylether	29000	U
100-01-6	4-Nitroaniline	74000	U
534-52-1	4,6-Dinitro-2-methylphenol	74000	U
86-30-6	N-Nitrosodiphenylamine (1)	29000	U
101-55-3	4-Bromophenyl-phenylether	29000	U
118-74-1	Hexachlorobenzene	29000	U
1912-24-9	Atrazine	29000	U
87-86-5	Pentachlorophenol	74000	U
85-01-8	Phenanthrene	29000	U
120-12-7	Anthracene	29000	U
86-74-8	Carbazole	29000	U
84-74-2	Di-n-butylphthalate	29000	U
206-44-0	Fluoranthene	29000	U
129-00-0	Pyrene	29000	U
85-68-7	Butylbenzylphthalate	29000	U
91-94-1	3,3'-Dichlorobenzidine	29000	U
56-55-3	Benzo(a)anthracene	29000	U
218-01-9	Chrysene	29000	U
117-81-7	bis(2-Ethylhexyl)phthalate	29000	U
117-84-0	Di-n-octylphthalate	29000	U
205-99-2	Benzo(b)fluoranthene	29000	U
207-08-9	Benzo(k)fluoranthene	29000	U
50-32-8	Benzo(a)pyrene	29000	U
193-39-5	Indeno(1,2,3-cd)pyrene	29000	U
53-70-3	Dibenz(a,h)anthracene	29000	U
191-24-2	Benzo(g,h,i)perylene	29000	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F06.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 1500 (uL) Date Analyzed: 06/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 25.0

GPC Cleanup: (Y/N) Y pH: 6.2 Extraction: (Type) SONC

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 112-27-6	TRIETHYLENE GLYCOL	5.13	60000	JN
2.				
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JK

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F26.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 1000 (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	3800	U
108-95-2	Phenol	3800	U
111-44-4	bis(2-Chloroethyl)ether	3800	U
95-57-8	2-Chlorophenol	3800	U
95-48-7	2-Methylphenol	3800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3800	U
98-86-2	Acetophenone	3800	U
106-44-5	4-Methylphenol	3800	U
621-64-7	N-Nitroso-di-n-propylamine	3800	U
67-72-1	Hexachloroethane	3800	U
98-95-3	Nitrobenzene	3800	U
78-59-1	Isophorone	3800	U
88-75-5	2-Nitrophenol	3800	U
105-67-9	2,4-Dimethylphenol	3800	U
111-91-1	bis(2-Chloroethoxy)methane	3800	U
120-83-2	2,4-Dichlorophenol	3800	U
91-20-3	Naphthalene	1200	J
106-47-8	4-Chloroaniline	3800	U
87-68-3	Hexachlorobutadiene	3800	U
105-60-2	Caprolactam	3800	U
59-50-7	4-Chloro-3-methylphenol	3800	U
91-57-6	2-Methylnaphthalene	3400	J
77-47-4	Hexachlorocyclopentadiene	3800	U
88-06-2	2,4,6-Trichlorophenol	3800	U
95-95-4	2,4,5-Trichlorophenol	9500	U
92-52-4	1,1'-Biphenyl	3800	U
91-58-7	2-Chloronaphthalene	3800	U
88-74-4	2-Nitroaniline	9500	U
131-11-3	Dimethylphthalate	3800	U
606-20-2	2,6-Dinitrotoluene	3800	U
208-96-8	Acenaphthylene	3800	U
99-09-2	3-Nitroaniline	9500	U
83-32-9	Acenaphthene	3800	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JK

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F26.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 1000 (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	9500	U
100-02-7	4-Nitrophenol	9500	U
132-64-9	Dibenzofuran	3800	U
121-14-2	2,4-Dinitrotoluene	3800	U
84-66-2	Diethylphthalate	3800	U
86-73-7	Fluorene	3800	U
7005-72-3	4-Chlorophenyl-phenylether	3800	U
100-01-6	4-Nitroaniline	9500	U
534-52-1	4,6-Dinitro-2-methylphenol	9500	U
86-30-6	N-Nitrosodiphenylamine (1)	3800	U
101-55-3	4-Bromophenyl-phenylether	3800	U
118-74-1	Hexachlorobenzene	3800	U
1912-24-9	Atrazine	3800	U
87-86-5	Pentachlorophenol	9500	U
85-01-8	Phenanthrene	750	J
120-12-7	Anthracene	3800	U
86-74-8	Carbazole	3800	U
84-74-2	Di-n-butylphthalate	3800	U
206-44-0	Fluoranthene	3800	U
129-00-0	Pyrene	3800	U
85-68-7	Butylbenzylphthalate	1700	J
91-94-1	3,3'-Dichlorobenzidine	3800	U
56-55-3	Benzo(a)anthracene	3800	U
218-01-9	Chrysene	3800	U
117-81-7	bis(2-Ethylhexyl)phthalate	2200	J
117-84-0	Di-n-octylphthalate	3800	U
205-99-2	Benzo(b)fluoranthene	3800	U
207-08-9	Benzo(k)fluoranthene	3800	U
50-32-8	Benzo(a)pyrene	3800	U
193-39-5	Indeno(1,2,3-cd)pyrene	3800	U
53-70-3	Dibenz(a,h)anthracene	3800	U
191-24-2	Benzo(g,h,i)perylene	3800	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02JK

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F26.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/23/00

Concentrated Extract Volume: 1000 (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.	UNKNOWN	3.12	3800	J
2. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	3.36	3300	JN
3. 264-09-5	BENZOCYCLOHEPTATRIENE	4.67	2200	JN
4. 571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	5.31	3000	JN
5.	UNKNOWN	5.33	2800	J
6.	UNKNOWN	8.24	2600	J
7.	UNKNOWN	8.38	3300	J
8.	UNKNOWN	8.75	8100	J
9.	UNKNOWN	9.30	3800	J
10. 629-96-9	1-EICOSANOL	9.71	8400	JN
11. 40710-32-5	NONAHEXACONTANOIC ACID	9.92	33000	JN
12.	UNKNOWN	9.97	14000	J
13.	UNKNOWN	10.08	19000	J
14.	UNKNOWN	10.36	6100	BJ
15.	UNKNOWN	10.40	16000	J
16.	UNKNOWN	10.58	25000	J
17.	UNKNOWN	10.89	15000	J
18.	UNKNOWN	11.53	9800	J
19.	UNKNOWN	13.18	4600	J
20.	UNKNOWN	13.30	4500	J
21.	UNKNOWN	13.40	12000	J
22. 53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	13.71	17000	JN
23.	UNKNOWN	14.09	22000	J
24.	UNKNOWN	14.23	2400	J
25.	UNKNOWN	14.28	4100	J
26.	UNKNOWN	14.56	6900	J
27.	UNKNOWN	14.63	2800	J
28.	UNKNOWN	14.77	8200	J
29.	UNKNOWN	14.96	5900	J
30.	UNKNOWN	15.07	2500	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K9

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F03.D

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

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/23/00

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: 2.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	3900	U
108-95-2	Phenol	3900	U
111-44-4	bis(2-Chloroethyl)ether	3900	U
95-57-8	2-Chlorophenol	3900	U
95-48-7	2-Methylphenol	3900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3900	U
98-86-2	Acetophenone	490	J
106-44-5	4-Methylphenol	3900	U
621-64-7	N-Nitroso-di-n-propylamine	3900	U
67-72-1	Hexachloroethane	3900	U
98-95-3	Nitrobenzene	3900	U
78-59-1	Isophorone	3900	U
88-75-5	2-Nitrophenol	3900	U
105-67-9	2,4-Dimethylphenol	3900	U
111-91-1	bis(2-Chloroethoxy)methane	3900	U
120-83-2	2,4-Dichlorophenol	3900	U
91-20-3	Naphthalene	3900	U
106-47-8	4-Chloroaniline	3900	U
87-68-3	Hexachlorobutadiene	3900	U
105-60-2	Caprolactam	3900	U
59-50-7	4-Chloro-3-methylphenol	3900	U
91-57-6	2-Methylnaphthalene	3900	U
77-47-4	Hexachlorocyclopentadiene	3900	U
88-06-2	2,4,6-Trichlorophenol	3900	U
95-95-4	2,4,5-Trichlorophenol	9800	U
92-52-4	1,1'-Biphenyl	3900	U
91-58-7	2-Chloronaphthalene	3900	U
88-74-4	2-Nitroaniline	9800	U
131-11-3	Dimethylphthalate	3900	U
606-20-2	2,6-Dinitrotoluene	3900	U
208-96-8	Acenaphthylene	3900	U
99-09-2	3-Nitroaniline	9800	U
83-32-9	Acenaphthene	3900	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K9

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F03.D

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

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/23/00

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: 2.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9800	U
100-02-7	4-Nitrophenol	9800	U
132-64-9	Dibenzofuran	3900	U
121-14-2	2,4-Dinitrotoluene	3900	U
84-66-2	Diethylphthalate	3900	U
86-73-7	Fluorene	3900	U
7005-72-3	4-Chlorophenyl-phenylether	3900	U
100-01-6	4-Nitroaniline	9800	U
534-52-1	4,6-Dinitro-2-methylphenol	9800	U
86-30-6	N-Nitrosodiphenylamine (1)	3900	U
101-55-3	4-Bromophenyl-phenylether	3900	U
118-74-1	Hexachlorobenzene	3900	U
1912-24-9	Atrazine	3900	U
87-86-5	Pentachlorophenol	9800	U
85-01-8	Phenanthrene	3900	U
120-12-7	Anthracene	3900	U
86-74-8	Carbazole	3900	U
84-74-2	Di-n-butylphthalate	3900	U
206-44-0	Fluoranthene	660	J
129-00-0	Pyrene	3900	
85-68-7	Butylbenzylphthalate	3900	U
91-94-1	3,3'-Dichlorobenzidine	3900	U
56-55-3	Benzo(a)anthracene	1800	J
218-01-9	Chrysene	8500	
117-81-7	bis(2-Ethylhexyl)phthalate	3000	J
117-84-0	Di-n-octylphthalate	3900	U
205-99-2	Benzo(b)fluoranthene	1200	J
207-08-9	Benzo(k)fluoranthene	1400	J
50-32-8	Benzo(a)pyrene	1600	J
193-39-5	Indeno(1,2,3-cd)pyrene	3900	U
53-70-3	Dibenz(a,h)anthracene	640	J
191-24-2	Benzo(g,h,i)perylene	2000	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02K9

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 157F03.D

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

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/23/00

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: 2.7 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-	9.04	4000	JN
2. 1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	9.08	4000	JN
3. 3674-73-5	PHENANTHRENE, 2,3,5-TRIMETHY	9.68	3500	JN
4. 2381-21-7	PYRENE, 1-METHYL-	10.17	3300	JN
5. 2381-21-7	PYRENE, 1-METHYL-	10.31	4800	JN
6. 3442-78-2	PYRENE, 2-METHYL-	10.34	3300	JN
7.	UNKNOWN	10.93	3100	J
8.	UNKNOWN	11.01	5100	J
9.	UNKNOWN	11.41	3700	J
10. 3697-24-3	CHRYSENE, 5-METHYL-	11.81	9500	JN
11.	UNKNOWN	11.91	3400	J
12.	UNKNOWN	12.06	4800	J
13. 54986-63-9	BENZO[C]PHENANTHRENE, 5,8-DI	12.29	20000	JN
14.	UNKNOWN	12.36	7700	J
15.	UNKNOWN	12.41	9500	J
16. 54986-63-9	BENZO[C]PHENANTHRENE, 5,8-DI	12.47	7700	JN
17.	UNKNOWN	12.50	5100	J
18.	UNKNOWN	12.55	4000	J
19. 54986-62-8	CHRYSENE, 5-ETHYL-	12.58	3100	JN
20.	UNKNOWN	12.60	4600	J
21.	UNKNOWN	12.76	5100	J
22.	UNKNOWN	12.94	5700	J
23.	UNKNOWN	12.97	4100	J
24.	UNKNOWN	13.38	4000	J
25.	UNKNOWN	13.48	5700	J
26.	UNKNOWN	13.58	4400	J
27.	UNKNOWN	13.68	5300	J
28.	UNKNOWN	14.06	8000	J
29.	UNKNOWN	14.54	3200	J
30.	UNKNOWN	14.60	3400	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KH

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F13.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 24 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	430	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
606-20-2	2,6-Dinitrotoluene	430	U
208-96-8	Acenaphthylene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KH

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F13.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 24 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 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	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	87	J
129-00-0	Pyrene	58	J
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)phthalate	130	J
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenz(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KH

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F13.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 24 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 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	2.74	99	J
2.	UNKNOWN	3.56	170	J
3.	UNKNOWN	6.79	220	J
4.	UNKNOWN	7.41	180	J
5. 57-10-3	HEXADECANOIC ACID	8.34	100	JN
6.	UNKNOWN	9.00	160	J
7.	UNKNOWN	10.44	130	J
8. 638-66-4	OCTADECANAL	10.69	150	JN
9.	UNKNOWN	10.98	220	J
10.	UNKNOWN	11.86	190	J
11.	UNKNOWN	12.25	190	J
12.	UNKNOWN	12.40	92	J
13.	UNKNOWN	12.55	210	J
14.	UNKNOWN	12.71	150	J
15.	UNKNOWN	12.76	140	J
16.	UNKNOWN	12.83	120	J
17.	UNKNOWN	12.89	110	J
18.	UNKNOWN	12.91	130	J
19.	UNKNOWN	12.93	140	J
20.	UNKNOWN	13.09	170	J
21.	UNKNOWN	13.19	88	J
22.	UNKNOWN	13.24	200	J
23.	UNKNOWN	13.31	220	J
24.	UNKNOWN	13.62	270	J
25.	UNKNOWN	13.99	310	J
26.	UNKNOWN	14.46	160	J
27.	UNKNOWN	14.81	220	J
28.	UNKNOWN	14.89	170	J
29.	UNKNOWN	15.26	110	J
30.				

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F14.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	460	U
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
98-86-2	Acetophenone	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
105-60-2	Caprolactam	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	460	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	460	U
606-20-2	2,6-Dinitrotoluene	460	U
208-96-8	Acenaphthylene	460	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	460	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F14.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 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	460	U
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
1912-24-9	Atrazine	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	69	J
206-44-0	Fluoranthene	62	J
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)phthalate	83	J
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	460	U
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	460	U
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenz(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

F02KJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F14.D

Level: (low/med) LOW Date Received: 05/22/00

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/23/00

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

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.57	170	J
2. 57-10-3	HEXADECANOIC ACID	8.35	160	JN
3.	UNKNOWN	9.00	140	J
4.	UNKNOWN	10.42	180	J
5. 2765-11-9	PENTADECANAL-	10.69	170	JN
6. 124-25-4	TETRADECANAL	11.58	120	JN
7.	UNKNOWN	12.41	110	J
8.	UNKNOWN	12.54	120	J
9.	UNKNOWN	13.61	160	J
10.	UNKNOWN	13.98	150	J
11.	UNKNOWN	14.33	140	J
12. 14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	14.44	380	JN
13.	UNKNOWN	14.48	230	J
14.	UNKNOWN	14.80	390	J
15.	UNKNOWN	14.88	230	J
16.	UNKNOWN	15.12	180	J
17.	UNKNOWN	15.25	150	J
18. 1058-61-3	STIGMAST-4-EN-3-ONE	15.63	190	JN
19.				
20.				
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1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02H4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) WATER Lab Sample ID: 42606.11

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

% Moisture: _____ Decanted: (Y/N) __ Date Received: 05/22/00

Extraction: (Type) CONT Date Extracted: 05/22/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/18/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HE

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.01

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

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

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	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-93-4	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HT

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.04

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

% Moisture: 26 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

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	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	0.58	PJ
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	0.93	J
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	7.3	
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.5	U
7421-93-4	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	45	U
11096-82-5	Aroclor-1260	45	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HW

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.05

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

% Moisture: 27 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

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	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.5	U
7421-93-4	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	92	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	45	U
11096-82-5	Aroclor-1260	45	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HX

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.06

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

% Moisture: 31 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

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	2.5	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	3.0	JB
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

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HY

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.07

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

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/19/00

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	7.3	
319-85-7	beta-BHC	1.8	PJ
319-86-8	delta-BHC	2.6	U
58-89-9	gamma-BHC (Lindane)	0.97	PJ
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
1024-57-3	Heptachlor epoxide	2.6	U
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	5.1	U
72-55-9	4,4'-DDE	5.1	U
72-20-8	Endrin	1.3	PJ
33213-65-9	Endosulfan II	5.1	U
72-54-8	4,4'-DDD	5.1	U
1031-07-8	Endosulfan sulfate	5.1	U
50-29-3	4,4'-DDT	5.1	U
72-43-5	Methoxychlor	26	U
53494-70-5	Endrin ketone	5.1	U
7421-93-4	Endrin aldehyde	5.1	U
5103-71-9	alpha-Chlordane	2.6	U
5103-74-2	gamma-Chlordane	2.6	U
8001-35-2	Toxaphene	260	U
12674-11-2	Aroclor-1016	51	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	51	U
53469-21-9	Aroclor-1242	51	U
12672-29-6	Aroclor-1248	51	U
11097-69-1	Aroclor-1254	51	U
11096-82-5	Aroclor-1260	51	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HYDL

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.07D5

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

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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	4.9	DPJ
319-85-7	beta-BHC	13	U
319-86-8	delta-BHC	13	U
58-89-9	gamma-BHC (Lindane)	13	U
76-44-8	Heptachlor	13	U
309-00-2	Aldrin	13	U
1024-57-3	Heptachlor epoxide	13	U
959-98-8	Endosulfan I	13	U
60-57-1	Dieldrin	25	U
72-55-9	4,4'-DDE	25	U
72-20-8	Endrin	25	U
33213-65-9	Endosulfan II	25	U
72-54-8	4,4'-DDD	25	U
1031-07-8	Endosulfan sulfate	25	U
50-29-3	4,4'-DDT	25	U
72-43-5	Methoxychlor	130	U
53494-70-5	Endrin ketone	25	U
7421-93-4	Endrin aldehyde	25	U
5103-71-9	alpha-Chlordane	13	U
5103-74-2	gamma-Chlordane	13	U
8001-35-2	Toxaphene	1300	U
12674-11-2	Aroclor-1016	250	U
11104-28-2	Aroclor-1221	520	U
11141-16-5	Aroclor-1232	250	U
53469-21-9	Aroclor-1242	250	U
12672-29-6	Aroclor-1248	250	U
11097-69-1	Aroclor-1254	250	U
11096-82-5	Aroclor-1260	250	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02HZ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.08

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

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

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

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02J4

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.01

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

% Moisture: 28 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

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	1.7	J
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	0.38	PJ
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	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-93-4	Endrin aldehyde	4.6	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	46	U
11104-28-2	Aroclor-1221	93	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

001037

EPA SAMPLE NO.

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

F02J6

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.04

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

% Moisture: 28 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

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	2.4	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	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	1.8	PJ
7421-93-4	Endrin aldehyde	4.6	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	46	U
11104-28-2	Aroclor-1221	93	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02JJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.02

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

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	0.71	PJ
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	0.71	PJ
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.

F02JK

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.03

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

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/19/00

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	5.8	P
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	27	P
72-20-8	Endrin	10	P
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	31	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	44	P
5103-71-9	alpha-Chlordane	9.4	P
5103-74-2	gamma-Chlordane	17	
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.

F02JKDL

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.03D5

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

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

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	9.8	U
319-85-7	beta-BHC	9.8	U
319-86-8	delta-BHC	9.8	U
58-89-9	gamma-BHC (Lindane)	9.8	U
76-44-8	Heptachlor	7.9	DPJ
309-00-2	Aldrin	5.5	DPJ
1024-57-3	Heptachlor epoxide	5.3	DPJ
959-98-8	Endosulfan I	9.8	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	D
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	U
72-43-5	Methoxychlor	98	U
53494-70-5	Endrin ketone	19	U
7421-93-4	Endrin aldehyde	24	DP
5103-71-9	alpha-Chlordane	3.3	DPJ
5103-74-2	gamma-Chlordane	6.1	DPJ
8001-35-2	Toxaphene	980	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

001049
EPA SAMPLE NO.

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

F02K9

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.05D10

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

% Moisture: 15 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/19/00

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 2.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	20	U
319-85-7	beta-BHC	20	U
319-86-8	delta-BHC	20	U
58-89-9	gamma-BHC (Lindane)	20	U
76-44-8	Heptachlor	20	U
309-00-2	Aldrin	20	U
1024-57-3	Heptachlor epoxide	8.5	PJ
959-98-8	Endosulfan I	40	
60-57-1	Dieldrin	39	U
72-55-9	4,4'-DDE	39	U
72-20-8	Endrin	39	U
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	220	P
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	150	P
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	360	P
7421-93-4	Endrin aldehyde	280	P
5103-71-9	alpha-Chlordane	20	U
5103-74-2	gamma-Chlordane	9.7	PJ
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	390	U
11104-28-2	Aroclor-1221	790	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	390	U
12672-29-6	Aroclor-1248	390	U
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	390	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02K9DL

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42574.05D100

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

% Moisture: 15 Decanted: (Y/N) N Date Received: 05/19/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

Injection Volume: 2.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 2.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	200	U
319-85-7	beta-BHC	200	U
319-86-8	delta-BHC	200	U
58-89-9	gamma-BHC (Lindane)	200	U
76-44-8	Heptachlor	200	U
309-00-2	Aldrin	200	U
1024-57-3	Heptachlor epoxide	200	U
959-98-8	Endosulfan I	200	U
60-57-1	Dieldrin	390	U
72-55-9	4,4'-DDE	390	U
72-20-8	Endrin	390	U
33213-65-9	Endosulfan II	390	U
72-54-8	4,4'-DDD	110	DPJ
1031-07-8	Endosulfan sulfate	390	U
50-29-3	4,4'-DDT	120	DPJ
72-43-5	Methoxychlor	2000	U
53494-70-5	Endrin ketone	340	DPJ
7421-93-4	Endrin aldehyde	210	DJ
5103-71-9	alpha-Chlordane	200	U
5103-74-2	gamma-Chlordane	200	U
8001-35-2	Toxaphene	20000	U
12674-11-2	Aroclor-1016	3900	U
11104-28-2	Aroclor-1221	7900	U
11141-16-5	Aroclor-1232	3900	U
53469-21-9	Aroclor-1242	3900	U
12672-29-6	Aroclor-1248	3900	U
11097-69-1	Aroclor-1254	3900	U
11096-82-5	Aroclor-1260	3900	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KH

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.09

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

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-93-4	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

F02KJ

Lab Name: AATSLA Contract: 68-W0-0081

Lab Code: AATSLA Case No.: 28064 SAS No.: SDG No.: F02J4

Matrix: (soil/water) SOIL Lab Sample ID: 42606.10

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

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/22/00

Extraction: (Type) SONC Date Extracted: 05/23/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/18/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	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	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-93-4	Endrin aldehyde	4.6	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	46	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U