L1970900002 - Will County
CLIFFS CONTAINER COMPANY
ILD 000768481
SF/HRS
Vol. 2 of 2

CERCLA

Analytical Results

Illinois Environmental
Protection Agency

EPA Region 5 Records Ctr.
304297

DATE: June 27, 2001

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: CLIFF'S CONTAINER

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
29298	AATS	20	E0010	SOIL

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

RECEIVED
JUN 29 2001
IEPA-BOL-FSRS

JUN 27 2001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE: _____

SUBJECT: Electronic (**Level 2**) Review of Data

Received for Review on 06-15-01

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

The following data has been electronically reviewed by CADRE. No review of the raw data, laboratory narrative, laboratory forms or chain-of-custody forms was performed.

SITE NAME: CLIFF'S CONTAINER (IL)

CASE NUMBER: 29298 SDG NUMBER: E0010

Number and Type of Samples: 20 Soils

Sample Numbers: E0010, E0011, E0014, E0016 - E0018, E0020 - E0023, E0026 - E0035

Laboratory: AATS Hrs. for Review: _____

Following are our findings:

RECEIVED
JUN 29 2001
IEPA-BOL-FSRS

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

Case Number : 29298 SDG Number: E0010
ite Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Twenty (20) soil samples, numbered *E0010, E0011, E0014, E0016* through *E0018, E0020* through *E0023* and *E0026* through *E0035*, were collected *May 22 - 23, 2001*. The lab received the samples *May 23 - 24, 2001* in good condition. All samples were analyzed for the full list of organic analytes. All were analyzed according to CLP SOW *OLM04.2* 5/99.

Case Number : 29298 SDG Number: E0010
ite Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

1. HOLDING TIME

HOLDING TIME CRITERIA

Volatile

Preserved	Primary	Expanded
Water	14	28
Soil	14	28

	---- Aromatic ----		-- Non-aromatic --	
Unpreserved	Primary	Expanded	Primary	Expanded
Water	7	14	14	28
Soil	7	14	14	28

DC-3: The following unpreserved volatile soil samples have aromatic analytes outside expanded holding time criteria.
Hits are qualified "J" and non-detects are qualified "R".

E0031DL
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

DC-5: The following unpreserved volatile soil samples have aromatic analytes outside primary holding time criteria.
Hits are qualified "J" and non-detects are qualified "UJ".

E0010
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0010RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

Case Number : 29298 SDG Number: E0010
Site Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

E0011
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0011RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0014
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0014RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0016
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0016RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0017
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0017RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0018
Benzene, Toluene, Chlorobenzene, Ethylbenzene

Case Number : 29298 SDG Number: E0010
Site Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0018RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0020
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0020RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0021
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0022
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0022RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0023
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0023RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

Case Number : 29298 **SDG Number:** E0010
Site Name: CLIFF'S CONTAINER (IL) **Laboratory:** AATS

E0026
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0026RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0027
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0027RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0028
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0028RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0029
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0029RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0031
Benzene, Toluene, Chlorobenzene, Ethylbenzene

Case Number : 29298 **SDG Number: E0010**
Site Name: CLIFF'S CONTAINER (IL) **Laboratory: AATS**

Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0032
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0032RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0033
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0033RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0034
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0034RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0035
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

E0035RE
Benzene, Toluene, Chlorobenzene, Ethylbenzene
Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene
1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2,4-Trichlorobenzene

Case Number : 29298 SDG Number: E0010
ite Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

DC-9: The following unpreserved volatile soil samples have non-aromatic analytes outside primary holding time criteria.
Hits are qualified "J" and non-detects are qualified "UJ".

E0031DL
Dichlorodifluoromethane , Chloromethane, Vinyl Chloride, Bromomethane
Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene , 1,1,2-Trichloro-1,2,2-trifluoroethane
Acetone , Carbon Disulfide, Methyl Acetate, Methylene Chloride
trans-1,2-Dichloroethene, tert-Butyl Methyl Ether , 1,1-Dichloroethane , cis-1,2-Dichloroethene
2-Butanone, Chloroform, 1,1,1-Trichloroethane, Cyclohexane
Carbon Tetrachloride, 1,2-Dichloroethane, Trichloroethene, Methylcyclohexane
1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-Methyl-2-pentanone
trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone
Dibromochloromethane, 1,2-Dibromoethane , Bromoform, 1,1,2,2-Tetrachloroethane
1,2-Dibromo-3-chloropropane

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems found for this qualification.

CALIBRATION

CALIBRATION CRITERIA

Volatile

	Primary	Expanded
Minimum RRF	0.05	0.05
Maximum %RSD (initial calibration)	30	30
Maximum %D (continuing calibration)	25	25
Calibration time period	12	

Pesticide

Maximum %RSD (initial calibration) - TCL analytes 20
- surrogates 30
Maximum RPD (continuing calibration) 25
INDA/INDB percent resolution 90

Case Number : 29298 SDG Number: E0010
Site Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

Continuing calibration sequence time 12

DC-21: The following volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside primary criteria.
Hits are qualified "J" and non-detects are flagged "UJ".

Acetone
E0010, E0011, E0014, E0016, E0017, E0018
E0020, E0021, E0022, E0023, E0026, E0027
E0031DL, VBLKBF, VBLKBQ, VHBLKBH

Methylene Chloride
E0010, E0011, E0014, E0016, E0017, E0018
E0020, E0021, E0022, E0023, E0026, E0027
E0031DL, VBLKBF, VBLKBQ, VHBLKBH

DC-22: The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria.
Hits are qualified "J" and non-detects are flagged "UJ".

Acetone
E0010RE, E0011RE, E0014RE, E0016RE, E0017RE, E0018RE
E0020RE, E0022RE, E0023RE, E0026RE, E0027RE, E0028
E0028RE, E0029, E0029RE, E0030, E0030MS, E0030MSD
E0031, E0032, E0032RE, E0033, E0033RE, E0034
E0034RE, E0035, E0035RE, VBLKBU, VBLKBV

Methylene Chloride
E0010RE, E0011RE, E0014RE, E0016RE, E0017RE, E0018RE
E0020RE, E0022RE, E0023RE, E0026RE, E0027RE, E0028
E0028RE, E0029, E0029RE, E0030, E0030MS, E0030MSD
E0031, E0032, E0032RE, E0033, E0033RE, E0034
E0034RE, E0035, E0035RE, VBLKBU, VBLKBV

DC-23: The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria.
Hits are qualified "J" and non-detects are qualified "UJ".

Bromomethane
E0028RE, E0029RE, E0030, E0030MS, E0030MSD, E0031

E0032RE, E0033RE, E0034RE, E0035, E0035RE, VBLKBV

Acetone
E0010RE, E0011RE, E0014RE, E0016RE, E0017RE, E0018RE
E0020RE, E0022RE, E0023RE, E0026RE, E0027RE, E0028
E0028RE, E0029, E0029RE, E0030, E0030MS, E0030MSD
E0031, E0032, E0032RE, E0033, E0033RE, E0034
E0034RE, E0035, E0035RE, VBLKBU, VBLKBV

Methyl Acetate
E0010RE, E0011RE, E0014RE, E0016RE, E0017RE, E0018RE
E0020RE, E0022RE, E0023RE, E0026RE, E0027RE, E0028
E0028RE, E0029, E0029RE, E0030, E0030MS, E0030MSD
E0031, E0032, E0032RE, E0033, E0033RE, E0034
E0034RE, E0035, E0035RE, VBLKBU, VBLKBV

Methylene Chloride
E0010RE, E0011RE, E0014RE, E0016RE, E0017RE, E0018RE
E0020RE, E0022RE, E0023RE, E0026RE, E0027RE, E0028
E0029, E0032, E0033, E0034, VBLKBU

2-Butanone
E0010RE, E0011RE, E0014RE, E0016RE, E0017RE, E0018RE
E0020RE, E0022RE, E0023RE, E0026RE, E0027RE, E0028
E0029, E0032, E0033, E0034, VBLKBU

DC-197: The following pesticide samples are not qualified for continuing calibration because of missing continuing calibration information.
Manual review of the data is required.

E0010, E0011, E0014, E0014DL, E0016, E0017
E0018, E0020, E0020DL, E0021, E0021DL, E0022
E0022DL, E0023, E0023DL, E0026, E0027, E0028
E0029, E0029DL, E0030, E0030MS, E0030MSD, E0031
E0032, E0033, E0034, E0035, PBLKA, PBLKB

4. BLANKS

LABORATORY BLANKS CRITERIA

Case Number : 29298 SDG Number: E0010
Site Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

Volatile

Method Blank Contamination Threshold Multipliers

	First	Expanded
Common contaminant compounds	10.00	10.00
Other compounds	5.00	5.00

Pesticide

Method Blank Contamination Threshold Multipliers

	First	Expanded
All compounds	5.00	5.00

DC-31: The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" and non-detects are not flagged.

Acetone
E0010, E0011, E0014, E0016, E0017, E0018
E0020, E0021, E0022, E0023, E0026, E0027
E0028RE, E0029RE, E0030, E0030MS, E0030MSD, E0031
E0031DL, E0032RE, E0033RE, E0034RE, E0035, E0035RE

Methylene Chloride
E0010, E0011, E0014, E0016, E0017, E0018
E0021, E0031, E0031DL, E0032, E0032RE, E0034
E0035RE

DC-199: The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to five times (5X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL.

Case Number : 29298 **SDG Number:** E0010
Site Name: CLIFF'S CONTAINER (IL) **Laboratory:** AATS

Hits are qualified "U" and non-detects are not flagged.

E0010RE
Toluene

E0011RE
Toluene

E0014RE
Toluene

E0016RE
Toluene

E0017RE
Toluene

E0018RE
Toluene

E0022RE
Toluene

E0023RE
Toluene

E0026RE
Toluene

E0027RE
Toluene

E0028
Toluene

E0029
Toluene

E0031DL
Tetrachloroethene

Case Number : 29298 **SDG Number:** E0010
Site Name: CLIFF'S CONTAINER (IL) **Laboratory:** AATS

DC-200: The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL.
Hits are qualified "U" and non-detects are not flagged.

Methylene Chloride
E0010RE, E0011RE, E0014RE, E0016RE, E0017RE, E0018RE
E0020, E0020RE, E0022, E0022RE, E0023, E0023RE
E0026, E0026RE, E0027, E0027RE, E0028, E0028RE
E0029, E0029RE, E0030, E0030MS, E0030MSD, E0033
E0033RE, E0034RE, E0035

Cyclohexane
E0010, E0011, E0011RE, E0014RE, E0016, E0017
E0017RE

DC-236: The following pesticide samples have analyte concentrations reported below the CRQL and less than or equal to five times (5X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL.
Hits are qualified "U" and non-detects are not flagged.

E0010
Methoxychlor, Endrin ketone, Endrin aldehyde

E0011
Heptachlor epoxide, Methoxychlor, Endrin ketone, Endrin aldehyde

E0014
Heptachlor epoxide, Methoxychlor, Endrin ketone, Endrin aldehyde

E0014DL
4,4'-DDT, Methoxychlor, Endrin aldehyde

E0016
4,4'-DDT, Endrin ketone, Endrin aldehyde

E0017
Heptachlor epoxide, Methoxychlor, Endrin ketone, Endrin aldehyde

Case Number : 29298 SDG Number: E0010
Site Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

E0018
Heptachlor epoxide, Endrin ketone, Endrin aldehyde

E0020
Endrin ketone

E0020DL
4,4'-DDE, Methoxychlor, Endrin ketone

E0021
Heptachlor epoxide, Methoxychlor, Endrin ketone, Endrin aldehyde

E0021DL
Heptachlor epoxide, Endrin ketone

E0022DL
Heptachlor epoxide, Endrin ketone, Endrin aldehyde

E0023
Heptachlor epoxide

E0023DL
Heptachlor epoxide

E0026
Heptachlor epoxide, Methoxychlor, Endrin ketone, Endrin aldehyde

E0027
Heptachlor epoxide, Methoxychlor, Endrin ketone, Endrin aldehyde

E0028
Heptachlor epoxide, Methoxychlor, Endrin ketone, Endrin aldehyde

E0029
Heptachlor epoxide, Methoxychlor, Endrin ketone, Endrin aldehyde

E0029DL
Methoxychlor, Endrin ketone, Endrin aldehyde

E0030
Methoxychlor

Case Number : 29298 SDG Number: E0010
Site Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

E0030MSD
Methoxychlor

E0032
Methoxychlor

E0034
Methoxychlor

E0035
Methoxychlor

DC-398: The following volatile samples were analyzed after a highly contaminated sample and have no preceding instrument blank. Professional judgement should be used to qualify the data.

E0030MS, E0030MSD, E0032RE, E0033, E0033RE, E0034
E0035, E0035RE

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

SMC/SURROGATE CRITERIA

Volatile

Percent Recovery Limits

	--- Water ---		---- Soil ---	
	Lower	Upper	Lower	Upper
Toluene-d8	88.0	110.0	84.0	138.0
Bromofluorobenzene	86.0	115.0	59.0	113.0
1,2-Dichloroethane-d4	76.0	114.0	70.0	121.0

Pesticide

Percent Recovery Limits

Case Number : 29298 **SDG Number:** E0010
te Name: CLIFF'S CONTAINER (IL) **Laboratory:** AATS

	--- Water ---		---- Soil ---	
	Lower	Upper	Lower	Upper
Tetrachloro-m-xylene	30.0	150.0	30.0	150.0
Decachlorobiphenyl	30.0	150.0	30.0	150.0

DC-35: The following volatile samples have system monitoring compound recoveries above the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

E0010RE, E0011RE, E0014RE, E0016RE, E0017RE, E0018RE
E0020RE, E0022RE, E0023RE, E0026RE, E0027RE, E0028
E0029, E0032, E0033, E0034

DC-36: The following volatile samples have one or more system monitoring compound recovery values below the lower limit of the criteria window. Hits are biased low and qualified "J" and non-detects are qualified "UJ".

E0010, E0011, E0014, E0016, E0017, E0018
E0020, E0022, E0023, E0026, E0027, E0028RE
E0029RE, E0030, E0030MS, E0030MSD, E0031, E0032RE
E0033RE, E0034RE, E0035, E0035RE

DC-37: The following volatile samples have system monitoring compound recoveries of less than 10%. Hits are qualified "J" and non-detects are qualified "R".

E0030MSD, E0034RE

DC-174: The following pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

E0010, E0020, E0020DL, E0022, E0022DL

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MATRIX SPIKE CRITERIA

Case Number : 29298 **SDG Number:** E0010
Site Name: CLIFF'S CONTAINER (IL) **Laboratory:** AATS

Volatile

Percent Recovery Limits & RPD

	Water			Soil		
	Lower	Upper	RPD	Lower	Upper	RPD
1,1-Dichloroethene	61.0	145.0	14.0	59.0	172.0	22.0
Benzene	76.0	127.0	11.0	66.0	142.0	21.0
Trichloroethene	71.0	120.0	14.0	62.0	137.0	24.0
Toluene	76.0	125.0	13.0	59.0	139.0	21.0
Chlorobenzene	75.0	130.0	13.0	60.0	133.0	21.0

Semivolatile

Percent Recovery Limits & RPD

	Water			Soil		
	Lower	Upper	RPD	Lower	Upper	RPD
Phenol	12.0	110.0	42.0	26.0	90.0	35.0
2-Chlorophenol	27.0	123.0	40.0	25.0	102.0	50.0
N-Nitroso-di-n-propylamine	41.0	116.0	38.0	41.0	126.0	38.0
4-Chloro-3-methylphenol	23.0	97.0	42.0	26.0	103.0	33.0
Acenaphthene	46.0	118.0	31.0	31.0	137.0	19.0
4-Nitrophenol	10.0	80.0	50.0	11.0	114.0	50.0
2,4-Dinitrotoluene	24.0	96.0	38.0	28.0	89.0	47.0
Pentachlorophenol	9.0	103.0	50.0	17.0	109.0	47.0
Pyrene	26.0	127.0	31.0	35.0	142.0	36.0

DC-38: The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. Results for the outlier compound in the unspiked sample E0030 is estimated, "J" and a non-detect is estimated, "UJ".

E0030MS
Chlorobenzene

Case Number : 29298 SDG Number: E0010
Site Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

E0030MSD
Chlorobenzene

DC-39: The following volatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Results for the outlier compounds in the unspiked sample E0030 are estimated, "J" and non-detects are estimated, "UJ".

E0030MS
Chlorobenzene

E0030MSD
Trichloroethene, Chlorobenzene

DC-51: The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Results for the outlier compound in the unspiked sample E0030 is estimated, "J" and a non-detect is estimated, "UJ".

E0030MS
N-Nitroso-di-n-propylamine

FIELD BLANK AND FIELD DUPLICATE

No samples were identified as field blanks. Sample *E0018* is a field duplicate of Sample *E0017*. Sample *E0029* is a field duplicate of Sample *E0028*. Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

INTERNAL STANDARD CRITERIA

Semivolatile

Retention Time & Area Count Limits

	-- Primary --		- Expanded --	
	Lower	Upper	Lower	Upper
Retention time	- 0.5	+ 0.5	- 0.5	+ 0.5
Area count	/ 2 *	2 /	5 *	2

Case Number : 29298 **SDG Number: E0010**
Site Name: CLIFF'S CONTAINER (IL) **Laboratory: AATS**

DC-77: The following semivolatile samples have internal standard area counts that are outside the lower limit of primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E0022
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

CONTRACT REQUIRED SAMPLE QUANTITY

	Water	Low Soil	Med Soil
VOA	5.0 (ML)	5.0 (G)	4.0 (G)
BNA	1000.0 (ML)	30.0 (G)	1.0 (G)
PES	1000.0 (ML)	30.0 (G)	

DC-45: The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E0010
Methylcyclohexane , Toluene

E0010RE
Carbon Disulfide, Benzene

E0011
Methylcyclohexane , Toluene

E0011RE
Carbon Disulfide, Methylcyclohexane

Case Number : 29298 **SDG Number:** E0010
Site Name: CLIFF'S CONTAINER (IL) **Laboratory:** AATS

E0014
Carbon Disulfide, Methylcyclohexane , Toluene

E0014RE
Carbon Disulfide

E0016
Methylcyclohexane , Toluene, Xylenes (total)

E0016RE
Carbon Disulfide, Methylcyclohexane

E0017
Carbon Disulfide, Methylcyclohexane , Toluene

E0017RE
Carbon Disulfide

E0018
Carbon Disulfide, Methylcyclohexane , Toluene

E0018RE
Methylcyclohexane , Xylenes (total)

E0020
Carbon Disulfide, Benzene, Methylcyclohexane, Toluene

E0020RE
Carbon Disulfide, Methylcyclohexane

E0021
Methylcyclohexane , Toluene

E0022
Toluene

E0023
Methylcyclohexane , Toluene

E0023RE
Methylcyclohexane

Case Number : 29298 **SDG Number: E0010**
Site Name: CLIFF'S CONTAINER (IL) **Laboratory: AATS**

E0026
Carbon Disulfide, cis-1,2-Dichloroethene , Methylcyclohexane , Toluene

E0026RE
Benzene, Methylcyclohexane, Xylenes (total)

E0027
Methylcyclohexane

E0027RE
Carbon Disulfide, Methylcyclohexane, Xylenes (total)

E0028
Carbon Disulfide

E0028RE
Methylcyclohexane

E0029
Carbon Disulfide

E0029RE
Carbon Disulfide, Toluene

E0030
Methylcyclohexane , Toluene

E0030MS
Ethylbenzene, Xylenes (total)

E0030MSD
Methylcyclohexane

E0031
Vinyl Chloride, Carbon Disulfide, Benzene, Trichloroethene
Tetrachloroethene

E0031DL
Chloroethane, 2-Butanone, Toluene, Isopropylbenzene

E0032
Carbon Disulfide, Benzene, Methylcyclohexane , Xylenes (total)

1,2-Dichlorobenzene

E0032RE
Cyclohexane , Benzene, Methylcyclohexane , Toluene
Xylenes (total), 1,2-Dichlorobenzene

E0033
Carbon Disulfide, Benzene, Methylcyclohexane

E0033RE
Carbon Disulfide, 1,1-Dichloroethane , cis-1,2-Dichloroethene
Trichloroethene, Toluene, Tetrachloroethene

E0034
Carbon Disulfide, 1,1-Dichloroethane , 1,1,1-Trichloroethane, Methylcyclohexane

E0034RE
1,1,1-Trichloroethane, Toluene

E0035
Toluene

E0035RE
Toluene

VBLKBF
Tetrachloroethene

VBLKBQ
Cyclohexane

VBLKBU
Methylene Chloride , Cyclohexane , Toluene

DC-66: The quantitation limits of the following volatile samples could not be calculated, due to missing information. Manual review of the data is required.

VHBLKBH

DC-110: The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL

Case Number : 29298 SDG Number: E0010
ite Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

are qualified "J".

E0010
Phenanthrene, Anthracene, Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate
Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E0011
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene
Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E0014
Phenanthrene, Anthracene, Carbazole, Benzo(a)anthracene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

E0016
Fluoranthene, Pyrene, Chrysene, Benzo(b)fluoranthene
Benzo(k)fluoranthene

E0017
Phenanthrene, Anthracene, Carbazole, Benzo(a)anthracene
Di-n-octylphthalate, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E0018
Anthracene, Carbazole, Di-n-butylphthalate, Benzo(a)anthracene
Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

E0020
Naphthalene, Dibenzofuran, Diethylphthalate, Phenanthrene
Di-n-butylphthalate, Fluoranthene, Pyrene, Butylbenzylphthalate
Chrysene, bis(2-Ethylhexyl)phthalate

E0021
Phenanthrene, Di-n-butylphthalate, Fluoranthene, Pyrene
Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene
Benzo(k)fluoranthene, Benzo(a)pyrene

E0022
Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Carbazole
Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate, Dibenz(a,h)anthracene

Case Number : 29298 **SDG Number: E0010**
te Name: CLIFF'S CONTAINER (IL) **Laboratory: AATS**

E0022DL
Acenaphthylene, Acenaphthene, Fluorene, Anthracene
Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

E0023
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene
Benzo(a)pyrene

E0026
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene
Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

E0027
Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene
Carbazole, Benzo(g,h,i)perylene

E0027DL
Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene
Anthracene, Carbazole, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E0028
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene
Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene
Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E0029
Phenol, Di-n-butylphthalate, Fluoranthene, Pyrene

E0030
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene
Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E0030MS
Phenanthrene, Fluoranthene, Benzo(a)anthracene, Chrysene
Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

E0030MSD
Phenanthrene, Fluoranthene, Benzo(a)anthracene, Chrysene
Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo(g,h,i)perylene

Case Number : 29298 **SDG Number:** E0010
Site Name: CLIFF'S CONTAINER (IL) **Laboratory:** AATS

E0031
Acetophenone , Naphthalene, 2-Methylnaphthalene, Acenaphthylene
Fluorene, Phenanthrene, Anthracene, Fluoranthene
Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene
Benzo(k)fluoranthene, Benzo(a)pyrene

E0032
Acetophenone , Naphthalene, Acenaphthene, Fluorene
Anthracene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E0033
Naphthalene, Acenaphthene, Dibenzofuran, Fluorene
Anthracene, Carbazole, Di-n-butylphthalate, Butylbenzylphthalate
Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E0034
Fluoranthene, Pyrene, bis(2-Ethylhexyl)phthalate

E0035
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene
Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

DC-158: The following pesticide samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E0010
Endosulfan I, Dieldrin, Endrin, Endosulfan sulfate

E0011
alpha-BHC, beta-BHC, delta-BHC, Aldrin
Endosulfan I, Dieldrin, Endosulfan sulfate, alpha-Chlordane, gamma-Chlordane

E0014
Aldrin, Endosulfan I, Dieldrin
Endosulfan sulfate, 4,4'-DDT

E0014DL
Heptachlor, Dieldrin, 4,4'-DDE, 4,4'-DDD
Endosulfan sulfate, alpha-Chlordane, gamma-Chlordane

Case Number : 29298 **SDG Number:** E0010
Site Name: CLIFF'S CONTAINER (IL) **Laboratory:** AATS

E0016
alpha-BHC, delta-BHC, Heptachlor, Aldrin
Dieldrin, Endosulfan sulfate, alpha-Chlordane, gamma-Chlordane

E0017
beta-BHC, Endosulfan I, Dieldrin
Endosulfan sulfate, alpha-Chlordane, gamma-Chlordane

E0018
Endosulfan I, Dieldrin, Endosulfan sulfate

E0020
Endosulfan I, Dieldrin, 4,4'-DDE, Endrin
Endosulfan II, 4,4'-DDD, Methoxychlor, gamma-Chlordane

E0020DL
Dieldrin, Endrin, 4,4'-DDD, 4,4'-DDT

E0021
alpha-BHC, beta-BHC, delta-BHC,
Dieldrin, Endrin, Endosulfan sulfate, alpha-Chlordane, gamma-Chlordane

E0021DL
Aldrin, Endosulfan sulfate, gamma-Chlordane

E0022
delta-BHC, Heptachlor, Heptachlor epoxide, Endosulfan I
Endosulfan II, Methoxychlor

E0022DL
gamma-BHC (Lindane), Heptachlor, Dieldrin
4,4'-DDE, Endrin, Endosulfan II, 4,4'-DDD, 4,4'-DDT

E0023
alpha-BHC, Heptachlor, Aldrin,
Endosulfan I, Dieldrin, 4,4'-DDE, Endrin
Endosulfan sulfate, gamma-Chlordane

E0023DL
Aldrin, Dieldrin, 4,4'-DDE
Endrin, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT
gamma-Chlordane

Case Number : 29298 SDG Number: E0010
Site Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

E0026
Aldrin, Dieldrin, Endosulfan sulfate
4,4'-DDT, alpha-Chlordane, gamma-Chlordane

E0027
alpha-BHC, Aldrin, Dieldrin
4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT
alpha-Chlordane, gamma-Chlordane

E0028
Dieldrin, 4,4'-DDD, Endosulfan sulfate
4,4'-DDT, gamma-Chlordane

E0029
alpha-BHC, Dieldrin, Endrin
Endosulfan sulfate, alpha-Chlordane, gamma-Chlordane

E0029DL
gamma-BHC (Lindane), Heptachlor, Aldrin, Dieldrin
4,4'-DDE, Endrin, 4,4'-DDD, Endosulfan sulfate
4,4'-DDT, alpha-Chlordane, gamma-Chlordane

E0030
beta-BHC, Heptachlor, Heptachlor epoxide, Dieldrin
Endrin, Endosulfan II, Endosulfan sulfate,
Endrin ketone, Endrin aldehyde, gamma-Chlordane

E0030MS
alpha-BHC, Heptachlor epoxide, Endosulfan II, Endosulfan sulfate
Methoxychlor, Endrin aldehyde, gamma-Chlordane

E0030MSD
Heptachlor epoxide, Endosulfan I, Endosulfan II, Endosulfan sulfate
Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

E0032
alpha-BHC, Heptachlor epoxide, 4,4'-DDT,
Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

E0033
Heptachlor epoxide, Endrin, Methoxychlor, alpha-Chlordane

Case Number : 29298 **SDG Number: E0010**
Site Name: CLIFF'S CONTAINER (IL) **Laboratory: AATS**

E0034
Heptachlor epoxide, Dieldrin, Endrin, Endosulfan sulfate
Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

E0035
Aldrin, Heptachlor epoxide, Dieldrin, Endosulfan II
Endosulfan sulfate, 4,4'-DDT, Endrin ketone
Endrin aldehyde, gamma-Chlordane

PBLKA
Heptachlor epoxide, 4,4'-DDE, 4,4'-DDT, Methoxychlor
Endrin ketone, Endrin aldehyde

PBLKB
4,4'-DDT, Methoxychlor, Endrin ketone

DC-422: The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria.
Professional judgement should be used to qualify the data.

E0010
beta-BHC, delta-BHC, Heptachlor, Aldrin
Endosulfan I, Endrin, Endosulfan sulfate, 4,4'-DDT
alpha-Chlordane, gamma-Chlordane

E0011
alpha-BHC, beta-BHC, delta-BHC, Aldrin
Endosulfan I, Dieldrin, Endosulfan sulfate, alpha-Chlordane

E0014
Heptachlor, Aldrin, Endosulfan I
Dieldrin, Endosulfan sulfate, 4,4'-DDT, alpha-Chlordane

E0014DL
Heptachlor, Dieldrin, Endosulfan sulfate, alpha-Chlordane

E0016
alpha-BHC, beta-BHC, Heptachlor, Dieldrin
alpha-Chlordane, gamma-Chlordane

Case Number : 29298 SDG Number: E0010
ite Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

E0017
Endosulfan I, Dieldrin, Endosulfan sulfate
4,4'-DDT, alpha-Chlordane

E0018
Endosulfan I, Dieldrin, 4,4'-DDE
Endosulfan sulfate, 4,4'-DDT, alpha-Chlordane

E0020
beta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin
Endosulfan I, Dieldrin, 4,4'-DDE, Endrin
4,4'-DDD, 4,4'-DDT, Methoxychlor, gamma-Chlordane

E0020DL
beta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin
Endrin, 4,4'-DDD

E0021
alpha-BHC, beta-BHC, delta-BHC, Aldrin
Endrin, alpha-Chlordane, gamma-Chlordane

E0021DL
Aldrin, Endosulfan sulfate, gamma-Chlordane

E0022
delta-BHC, Heptachlor, Heptachlor epoxide, 4,4'-DDE
Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT
Methoxychlor, Endrin ketone, Endrin aldehyde

E0022DL
gamma-BHC (Lindane), Heptachlor, 4,4'-DDE
Endrin, Endosulfan II, 4,4'-DDD, 4,4'-DDT

E0023
alpha-BHC, Heptachlor, Aldrin,
Endosulfan I, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate
4,4'-DDT, alpha-Chlordane, gamma-Chlordane

E0023DL
Aldrin, Dieldrin, 4,4'-DDE
Endrin, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT

Case Number : 29298 **SDG Number:** E0010
Site Name: CLIFF'S CONTAINER (IL) **Laboratory:** AATS

E0026
Aldrin, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT
alpha-Chlordane, gamma-Chlordane

E0027
alpha-BHC, Aldrin, Dieldrin
4,4'-DDE, Endosulfan sulfate,
alpha-Chlordane, gamma-Chlordane

E0028
Dieldrin, 4,4'-DDD, Endosulfan sulfate, gamma-Chlordane

E0029
alpha-BHC, Dieldrin, Endrin
4,4'-DDT, alpha-Chlordane, gamma-Chlordane

E0029DL
gamma-BHC (Lindane), Heptachlor, Aldrin, Endrin
Endosulfan sulfate, 4,4'-DDT, alpha-Chlordane, gamma-Chlordane

E0030
beta-BHC, Heptachlor, Heptachlor epoxide, Dieldrin
4,4'-DDE, Endrin, Endosulfan II, Endosulfan sulfate
Endrin ketone, Endrin aldehyde, gamma-Chlordane

E0030MS
alpha-BHC, Heptachlor epoxide, Endosulfan sulfate, Methoxychlor
Endrin ketone, alpha-Chlordane, gamma-Chlordane

E0030MSD
Heptachlor epoxide, Endosulfan I, Endosulfan II,
Endrin ketone, alpha-Chlordane

E0032
alpha-BHC, Heptachlor epoxide, 4,4'-DDE,
Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

E0033
alpha-BHC, Heptachlor epoxide, Dieldrin, 4,4'-DDE
Endrin, Endosulfan sulfate, Methoxychlor, Endrin ketone
Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

Case Number : 29298 SDG Number: E0010
Site Name: CLIFF'S CONTAINER (IL) Laboratory: AATS

E0034
Heptachlor epoxide, Dieldrin, Endrin, Endosulfan sulfate
Endrin ketone, alpha-Chlordane, gamma-Chlordane

E0035
Aldrin, Heptachlor epoxide, Dieldrin, 4,4'-DDE
Endosulfan II, Endosulfan sulfate, 4,4'-DDT,
Endrin ketone, Endrin aldehyde, gamma-Chlordane

PBLKA
Heptachlor epoxide, 4,4'-DDE, 4,4'-DDT, Methoxychlor
Endrin ketone, Endrin aldehyde

PBLKB
4,4'-DDT, Endrin ketone

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

None.

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The anlayte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Number of Soil Samples 20
Number of Water Samples : 0

Sample Number :	E0010		E0010RE		E0011		E0011RE		E0014	
Sampling Location :	S102		S102		S101		S101		S103	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:10		11:10		11:15		11:15		11:55	
%Moisture :	68		68		54		54		54	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	30	UJ	32	U	20	UJ	21	U	22	UJ
Chloromethane	30	UJ	32	U	20	UJ	21	U	22	UJ
Vinyl Chloride	30	UJ	32	U	20	UJ	21	U	22	UJ
Bromomethane	30	UJ	32	U	20	UJ	21	U	22	UJ
Chloroethane	30	UJ	32	U	20	UJ	21	U	22	UJ
Trichlorofluoromethane	30	UJ	32	U	20	UJ	21	U	22	UJ
1,1-Dichloroethene	30	UJ	32	U	20	UJ	21	U	22	UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	30	UJ	32	U	20	UJ	21	U	22	UJ
Acetone	240	U	260	J	130	U	160	J	140	U
Carbon Disulfide	30	UJ	14	J	20	UJ	8	J	9	J
Methyl Acetate	30	UJ	32	UJ	20	UJ	21	UJ	22	UJ
Methylene Chloride	45	U	32	U	33	U	21	U	42	U
trans-1,2-Dichloroethene	30	UJ	32	U	20	UJ	21	U	22	UJ
Methyl tert-Butyl Ether	30	UJ	32	U	20	UJ	21	U	22	UJ
1,1-Dichloroethane	30	UJ	32	U	20	UJ	21	U	22	UJ
cis-1,2-Dichloroethene	30	UJ	32	U	20	UJ	21	U	22	UJ
2-Butanone	47	J	32	UJ	20	UJ	35	J	24	J
Chloroform	30	UJ	32	U	20	UJ	21	U	22	UJ
1,1,1-Trichloroethane	30	UJ	32	U	20	UJ	21	U	22	UJ
Cyclohexane	30	U	32	U	20	U	21	U	22	UJ
Carbon Tetrachloride	30	UJ	32	U	20	UJ	21	U	22	UJ
Benzene	30	UJ	6	J	20	UJ	21	UJ	22	UJ
1,2-Dichloroethane	30	UJ	32	U	20	UJ	21	U	22	UJ
Trichloroethene	30	UJ	32	U	20	UJ	21	U	22	UJ
Methylcyclohexane	8	J	32	U	5	J	3	J	5	J
1,2-Dichloropropane	30	UJ	32	U	20	UJ	21	U	22	UJ
Bromodichloromethane	30	UJ	32	U	20	UJ	21	U	22	UJ
cis-1,3-Dichloropropene	30	UJ	32	U	20	UJ	21	U	22	UJ
4-Methyl-2-pentanone	30	UJ	32	U	20	UJ	21	U	22	UJ
Toluene	10	J	32	U	3	J	21	U	4	J
trans-1,3-Dichloropropene	30	UJ	32	U	20	UJ	21	U	22	UJ
1,1,2-Trichloroethane	30	UJ	32	U	20	UJ	21	U	22	UJ
Tetrachloroethene	30	UJ	32	U	20	UJ	21	U	22	UJ

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0010		E0010RE		E0011		E0011RE		E0014	
Sampling Location :	S102		S102		S101		S101		S103	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:10		11:10		11:15		11:15		11:55	
%Moisture :	68		68		54		54		54	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	30	UJ	32	U	20	UJ	21	U	22	UJ
Dibromochloromethane	30	UJ	32	U	20	UJ	21	U	22	UJ
1,2-Dibromoethane	30	UJ	32	U	20	UJ	21	U	22	UJ
Chlorobenzene	30	UJ	32	UJ	20	UJ	21	UJ	22	UJ
Ethylbenzene	30	UJ	32	UJ	20	UJ	21	UJ	22	UJ
Xylenes (total)	30	UJ	32	UJ	20	UJ	21	UJ	22	UJ
Styrene	30	UJ	32	UJ	20	UJ	21	UJ	22	UJ
Bromoform	30	UJ	32	U	20	UJ	21	U	22	UJ
Isopropylbenzene	30	UJ	32	UJ	20	UJ	21	UJ	22	UJ
1,1,2,2-Tetrachloroethane	30	UJ	32	U	20	UJ	21	U	22	UJ
1,3-Dichlorobenzene	30	UJ	32	UJ	20	UJ	21	UJ	22	UJ
1,4-Dichlorobenzene	30	UJ	32	UJ	20	UJ	21	UJ	22	UJ
1,2-Dichlorobenzene	30	UJ	32	UJ	20	UJ	21	UJ	22	UJ
1,2-Dibromo-3-chloropropane	30	UJ	32	U	20	UJ	21	U	22	UJ
1,2,4-Trichlorobenzene	30	UJ	32	UJ	20	UJ	21	UJ	22	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0014RE		E0016		E0016RE		E0017		E0017RE	
Sampling Location :	S103		S104		S104		S105		S105	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:55		12:45		12:45		13:15		13:15	
%Moisture :	54		18		18		48		48	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	22	U	12	UJ	11	U	20	UJ	18	U
Chloromethane	22	U	12	UJ	11	U	20	UJ	18	U
Vinyl Chloride	22	U	12	UJ	11	U	20	UJ	18	U
Bromomethane	22	U	12	UJ	11	U	20	UJ	18	U
Chloroethane	22	U	12	UJ	11	U	20	UJ	18	U
Trichlorofluoromethane	22	U	12	UJ	11	U	20	UJ	18	U
1,1-Dichloroethene	22	U	12	UJ	11	U	20	UJ	18	U
1,1,2-Trichloro-1,2,2-trifluoroethane	22	U	12	UJ	11	U	20	UJ	18	U
Acetone	82	J	71	U	50	J	130	U	50	J
Carbon Disulfide	7	J	12	UJ	3	J	4	J	5	J
Methyl Acetate	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ
Methylene Chloride	22	U	19	U	11	U	32	U	18	U
trans-1,2-Dichloroethene	22	U	12	UJ	11	U	20	UJ	18	U
Methyl tert-Butyl Ether	22	U	12	UJ	11	U	20	UJ	18	U
1,1-Dichloroethane	22	U	12	UJ	11	U	20	UJ	18	U
cis-1,2-Dichloroethene	22	U	12	UJ	11	U	20	UJ	18	U
2-Butanone	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ
Chloroform	22	U	12	UJ	11	U	20	UJ	18	U
1,1,1-Trichloroethane	22	U	12	UJ	11	U	20	UJ	18	U
Cyclohexane	22	U	12	U	11	U	20	U	18	U
Carbon Tetrachloride	22	U	12	UJ	11	U	20	UJ	18	U
Benzene	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ
1,2-Dichloroethane	22	U	12	UJ	11	U	20	UJ	18	U
Trichloroethene	22	U	12	UJ	11	U	20	UJ	18	U
Methylcyclohexane	22	U	3	J	3	J	5	J	18	U
1,2-Dichloropropane	22	U	12	UJ	11	U	20	UJ	18	U
Bromodichloromethane	22	U	12	UJ	11	U	20	UJ	18	U
cis-1,3-Dichloropropene	22	U	12	UJ	11	U	20	UJ	18	U
4-Methyl-2-pentanone	22	U	12	UJ	11	U	20	UJ	18	U
Toluene	22	U	3	J	11	U	4	J	18	U
trans-1,3-Dichloropropene	22	U	12	UJ	11	U	20	UJ	18	U
1,1,2-Trichloroethane	22	U	12	UJ	11	U	20	UJ	18	U
Tetrachloroethene	22	U	12	UJ	11	U	20	UJ	18	U

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0014RE		E0016		E0016RE		E0017		E0017RE	
Sampling Location :	S103		S104		S104		S105		S105	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:55		12:45		12:45		13:15		13:15	
%Moisture :	54		18		18		48		48	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	22	U	12	UJ	11	U	20	UJ	18	U
Dibromochloromethane	22	U	12	UJ	11	U	20	UJ	18	U
1,2-Dibromoethane	22	U	12	UJ	11	U	20	UJ	18	U
Chlorobenzene	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ
Ethylbenzene	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ
Xylenes (total)	22	UJ	2	J	11	UJ	20	UJ	18	UJ
Styrene	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ
Bromoform	22	U	12	UJ	11	U	20	UJ	18	U
Isopropylbenzene	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ
1,1,2,2-Tetrachloroethane	22	U	12	UJ	11	U	20	UJ	18	U
1,3-Dichlorobenzene	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ
1,4-Dichlorobenzene	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ
1,2-Dichlorobenzene	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ
1,2-Dibromo-3-chloropropane	22	U	12	UJ	11	U	20	UJ	18	U
1,2,4-Trichlorobenzene	22	UJ	12	UJ	11	UJ	20	UJ	18	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0018		E0018RE		E0020		E0020RE		E0021	
Sampling Location :	S106		S106		X101		X101		X102	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	13:15		13:15		14:30		14:30		14:50	
%Moisture :	22		22		22		22		6	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	13	UJ	10	U	11	UJ	12	U	9	U
Chloromethane	13	UJ	10	U	11	UJ	12	U	9	U
Vinyl Chloride	13	UJ	10	U	11	UJ	12	U	9	U
Bromomethane	13	UJ	10	U	11	UJ	12	U	9	U
Chloroethane	13	UJ	10	U	11	UJ	12	U	9	U
Trichlorofluoromethane	13	UJ	10	U	11	UJ	12	U	9	U
1,1-Dichloroethene	13	UJ	10	U	11	UJ	12	U	9	U
1,1,2-Trichloro-1,2,2-trifluoroethane	13	UJ	10	U	11	UJ	12	U	9	U
Acetone	93	U	32	J	45	U	79	J	43	U
Carbon Disulfide	2	J	10	U	2	J	2	J	9	U
Methyl Acetate	13	UJ	10	UJ	11	UJ	12	UJ	9	U
Methylene Chloride	19	U	10	U	11	U	12	U	11	U
trans-1,2-Dichloroethene	13	UJ	10	U	11	UJ	12	U	9	U
Methyl tert-Butyl Ether	13	UJ	10	U	11	UJ	12	U	9	U
1,1-Dichloroethane	13	UJ	10	U	11	UJ	12	U	9	U
cis-1,2-Dichloroethene	13	UJ	10	U	11	UJ	12	U	9	U
2-Butanone	13	UJ	10	UJ	11	UJ	12	UJ	9	U
Chloroform	13	UJ	10	U	11	UJ	12	U	9	U
1,1,1-Trichloroethane	13	UJ	10	U	11	UJ	12	U	9	U
Cyclohexane	13	UJ	10	U	11	UJ	12	U	9	U
Carbon Tetrachloride	13	UJ	10	U	11	UJ	12	U	9	U
Benzene	13	UJ	10	UJ	2	J	12	UJ	9	UJ
1,2-Dichloroethane	13	UJ	10	U	11	UJ	12	U	9	U
Trichloroethene	13	UJ	10	U	11	UJ	12	U	9	U
Methylcyclohexane	3	J	2	J	2	J	2	J	0.9	J
1,2-Dichloropropane	13	UJ	10	U	11	UJ	12	U	9	U
Bromodichloromethane	13	UJ	10	U	11	UJ	12	U	9	U
cis-1,3-Dichloropropene	13	UJ	10	U	11	UJ	12	U	9	U
4-Methyl-2-pentanone	13	UJ	10	U	11	UJ	12	U	9	U
Toluene	3	J	10	U	2	J	12	UJ	2	J
trans-1,3-Dichloropropene	13	UJ	10	U	11	UJ	12	U	9	U
1,1,2-Trichloroethane	13	UJ	10	U	11	UJ	12	U	9	U
Tetrachloroethene	13	UJ	10	U	11	UJ	12	U	9	U

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0018		E0018RE		E0020		E0020RE		E0021	
Sampling Location :	S106		S106		X101		X101		X102	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	13:15		13:15		14:30		14:30		14:50	
%Moisture :	22		22		22		22		6	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	13	UJ	10	U	11	UJ	12	U	9	U
Dibromochloromethane	13	UJ	10	U	11	UJ	12	U	9	U
1,2-Dibromoethane	13	UJ	10	U	11	UJ	12	U	9	U
Chlorobenzene	13	UJ	10	UJ	11	UJ	12	UJ	9	UJ
Ethylbenzene	13	UJ	10	UJ	11	UJ	12	UJ	9	UJ
Xylenes (total)	13	UJ	1	J	11	UJ	12	UJ	9	UJ
Styrene	13	UJ	10	UJ	11	UJ	12	UJ	9	UJ
Bromoform	13	UJ	10	U	11	UJ	12	U	9	U
Isopropylbenzene	13	UJ	10	UJ	11	UJ	12	UJ	9	UJ
1,1,2,2-Tetrachloroethane	13	UJ	10	U	11	UJ	12	U	9	U
1,3-Dichlorobenzene	13	UJ	10	UJ	11	UJ	12	UJ	9	UJ
1,4-Dichlorobenzene	13	UJ	10	UJ	11	UJ	12	UJ	9	UJ
1,2-Dichlorobenzene	13	UJ	10	UJ	11	UJ	12	UJ	9	UJ
1,2-Dibromo-3-chloropropane	13	UJ	10	U	11	UJ	12	U	9	U
1,2,4-Trichlorobenzene	13	UJ	10	UJ	11	UJ	12	UJ	9	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0022		E0022RE		E0023		E0023RE		E0026	
Sampling Location :	X103		X103		X104		X104		X105	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	15:10		15:10		15:30		15:30		15:40	
%Moisture :	4		4		5		5		22	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	11	UJ	11	U	9	UJ	9	U	12	UJ
Chloromethane	11	UJ	11	U	9	UJ	9	U	12	UJ
Vinyl Chloride	11	UJ	11	U	9	UJ	9	U	12	UJ
Bromomethane	11	UJ	11	U	9	UJ	9	U	12	UJ
Chloroethane	11	UJ	11	U	9	UJ	9	U	12	UJ
Trichlorofluoromethane	11	UJ	11	U	9	UJ	9	U	12	UJ
1,1-Dichloroethene	11	UJ	11	U	9	UJ	9	U	12	UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	11	UJ	11	U	9	UJ	9	U	12	UJ
Acetone	64	U	130	J	22	U	37	J	65	U
Carbon Disulfide	11	UJ	11	U	9	UJ	9	U	1	J
Methyl Acetate	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ
Methylene Chloride	11	U	11	U	9	U	9	U	12	U
trans-1,2-Dichloroethene	11	UJ	11	U	9	UJ	9	U	12	UJ
Methyl tert-Butyl Ether	11	UJ	11	U	9	UJ	9	U	12	UJ
1,1-Dichloroethane	11	UJ	11	U	9	UJ	9	U	12	UJ
cis-1,2-Dichloroethene	11	UJ	11	U	9	UJ	9	U	1	J
2-Butanone	19	J	11	UJ	9	UJ	9	UJ	15	J
Chloroform	11	UJ	11	U	9	UJ	9	U	12	UJ
1,1,1-Trichloroethane	11	UJ	11	U	9	UJ	9	U	12	UJ
Cyclohexane	11	UJ	11	U	9	UJ	9	U	12	UJ
Carbon Tetrachloride	11	UJ	11	U	9	UJ	9	U	12	UJ
Benzene	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ
1,2-Dichloroethane	11	UJ	11	U	9	UJ	9	U	12	UJ
Trichloroethene	11	UJ	11	U	9	UJ	9	U	12	UJ
Methylcyclohexane	11	UJ	11	U	3	J	2	J	4	J
1,2-Dichloropropane	11	UJ	11	U	9	UJ	9	U	12	UJ
Bromodichloromethane	11	UJ	11	U	9	UJ	9	U	12	UJ
cis-1,3-Dichloropropene	11	UJ	11	U	9	UJ	9	U	12	UJ
4-Methyl-2-pentanone	11	UJ	11	U	9	UJ	9	U	12	UJ
Toluene	1	J	11	U	2	J	9	U	2	J
trans-1,3-Dichloropropene	11	UJ	11	U	9	UJ	9	U	12	UJ
1,1,2-Trichloroethane	11	UJ	11	U	9	UJ	9	U	12	UJ
Tetrachloroethene	11	UJ	11	U	9	UJ	9	U	12	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0022		E0022RE		E0023		E0023RE		E0026	
Sampling Location :	X103		X103		X104		X104		X105	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	15:10		15:10		15:30		15:30		15:40	
%Moisture :	4		4		5		5		22	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	11	UJ	11	U	9	UJ	9	U	12	UJ
Dibromochloromethane	11	UJ	11	U	9	UJ	9	U	12	UJ
1,2-Dibromoethane	11	UJ	11	U	9	UJ	9	U	12	UJ
Chlorobenzene	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ
Ethylbenzene	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ
Xylenes (total)	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ
Styrene	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ
Bromoform	11	UJ	11	U	9	UJ	9	U	12	UJ
Isopropylbenzene	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ
1,1,2,2-Tetrachloroethane	11	UJ	11	U	9	UJ	9	U	12	UJ
1,3-Dichlorobenzene	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ
1,4-Dichlorobenzene	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ
1,2-Dichlorobenzene	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ
1,2-Dibromo-3-chloropropane	11	UJ	11	U	9	UJ	9	U	12	UJ
1,2,4-Trichlorobenzene	11	UJ	11	UJ	9	UJ	9	UJ	12	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0026RE		E0027		E0027RE		E0028		E0028RE	
Sampling Location :	X105		X106		X106		X107		X107	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	15:40		16:00		16:00		16:20		16:20	
%Moisture :	22		30		30		21		21	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	11	U	12	UJ	13	U	12	U	11	UJ
Chloromethane	11	U	12	UJ	13	U	12	U	11	UJ
Vinyl Chloride	11	U	12	UJ	13	U	12	U	11	UJ
Bromomethane	11	U	12	UJ	13	U	12	U	11	UJ
Chloroethane	11	U	12	UJ	13	U	12	U	11	UJ
Trichlorofluoromethane	11	U	12	UJ	13	U	12	U	11	UJ
1,1-Dichloroethene	11	U	12	UJ	13	U	12	U	11	UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	11	U	12	UJ	13	U	12	U	11	UJ
Acetone	140	J	23	U	71	J	50	J	30	U
Carbon Disulfide	11	U	12	UJ	1	J	5	J	11	UJ
Methyl Acetate	11	UJ	12	UJ	13	UJ	12	UJ	11	UJ
Methylene Chloride	11	U	12	U	13	U	12	U	11	U
trans-1,2-Dichloroethene	11	U	12	UJ	13	U	12	U	11	UJ
Methyl tert-Butyl Ether	11	U	12	UJ	13	U	12	U	11	UJ
1,1-Dichloroethane	11	U	12	UJ	13	U	12	U	11	UJ
cis-1,2-Dichloroethene	11	U	12	UJ	13	U	12	U	11	UJ
2-Butanone	11	UJ	12	UJ	13	UJ	12	UJ	11	UJ
Chloroform	11	U	12	UJ	13	U	12	U	11	UJ
1,1,1-Trichloroethane	11	U	12	UJ	13	U	12	U	11	UJ
Cyclohexane	11	U	12	UJ	13	U	12	U	11	UJ
Carbon Tetrachloride	11	U	12	UJ	13	U	12	U	11	UJ
Benzene	2	J	12	UJ	13	UJ	12	UJ	11	UJ
1,2-Dichloroethane	11	U	12	UJ	13	U	12	U	11	UJ
Trichloroethene	11	U	12	UJ	13	U	12	U	11	UJ
Methylcyclohexane	3	J	1	J	2	J	12	U	1	J
1,2-Dichloropropane	11	U	12	UJ	13	U	12	U	11	UJ
Bromodichloromethane	11	U	12	UJ	13	U	12	U	11	UJ
cis-1,3-Dichloropropene	11	U	12	UJ	13	U	12	U	11	UJ
4-Methyl-2-pentanone	11	U	12	UJ	13	U	12	U	11	UJ
Toluene	11	U	12	UJ	13	U	12	U	11	UJ
trans-1,3-Dichloropropene	11	U	12	UJ	13	U	12	U	11	UJ
1,1,2-Trichloroethane	11	U	12	UJ	13	U	12	U	11	UJ
Tetrachloroethene	11	U	12	UJ	13	U	12	U	11	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0026RE		E0027		E0027RE		E0028		E0028RE	
Sampling Location :	X105		X106		X106		X107		X107	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	15:40		16:00		16:00		16:20		16:20	
%Moisture :	22		30		30		21		21	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	11	U	12	UJ	13	U	12	U	11	UJ
Dibromochloromethane	11	U	12	UJ	13	U	12	U	11	UJ
1,2-Dibromoethane	11	U	12	UJ	13	U	12	U	11	UJ
Chlorobenzene	11	UJ	12	UJ	13	UJ	12	UJ	11	UJ
Ethylbenzene	11	UJ	12	UJ	13	UJ	12	UJ	11	UJ
Xylenes (total)	1	J	12	UJ	2	J	12	UJ	11	UJ
Styrene	11	UJ	12	UJ	13	UJ	12	UJ	11	UJ
Bromoform	11	U	12	UJ	13	U	12	U	11	UJ
Isopropylbenzene	11	UJ	12	UJ	13	UJ	12	UJ	11	UJ
1,1,2,2-Tetrachloroethane	11	U	12	UJ	13	U	12	U	11	UJ
1,3-Dichlorobenzene	11	UJ	12	UJ	13	UJ	12	UJ	11	UJ
1,4-Dichlorobenzene	11	UJ	12	UJ	13	UJ	12	UJ	11	UJ
1,2-Dichlorobenzene	11	UJ	12	UJ	13	UJ	12	UJ	11	UJ
1,2-Dibromo-3-chloropropane	11	U	12	UJ	13	U	12	U	11	UJ
1,2,4-Trichlorobenzene	11	UJ	12	UJ	13	UJ	12	UJ	11	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0029		E0029RE		E0030		E0030MS		E0030MSD	
Sampling Location :	X108		X108		X109		X109		X109	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/23/2001		05/23/2001		05/23/2001	
Time Sampled :	16:20		16:20		08:20		08:20		08:20	
%Moisture :	16		16		24		24		24	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	11	U	11	UJ	11	UJ	11	UJ	11	R
Chloromethane	11	U	11	UJ	11	UJ	11	UJ	11	R
Vinyl Chloride	11	U	11	UJ	11	UJ	11	UJ	11	R
Bromomethane	11	U	11	UJ	11	UJ	11	UJ	11	R
Chloroethane	11	U	11	UJ	11	UJ	11	UJ	11	R
Trichlorofluoromethane	11	U	11	UJ	11	UJ	11	UJ	11	R
1,1-Dichloroethene	11	U	11	UJ	11	UJ	56	J	50	J
1,1,2-Trichloro-1,2,2-trifluoroethane	11	U	11	UJ	11	UJ	11	UJ	11	R
Acetone	51	J	28	U	37	U	45	U	44	U
Carbon Disulfide	2	J	3	J	11	UJ	11	UJ	11	R
Methyl Acetate	11	UJ	11	UJ	11	UJ	11	UJ	11	R
Methylene Chloride	11	U	11	U	11	U	11	U	11	U
trans-1,2-Dichloroethene	11	U	11	UJ	11	UJ	11	UJ	11	R
Methyl tert-Butyl Ether	11	U	11	UJ	11	UJ	11	UJ	11	R
1,1-Dichloroethane	11	U	11	UJ	11	UJ	11	UJ	11	R
cis-1,2-Dichloroethene	11	U	11	UJ	11	UJ	11	UJ	11	R
2-Butanone	11	UJ	11	UJ	11	UJ	11	UJ	11	R
Chloroform	11	U	11	UJ	11	UJ	11	UJ	11	R
1,1,1-Trichloroethane	11	U	11	UJ	11	UJ	11	UJ	11	R
Cyclohexane	11	U	11	UJ	11	UJ	11	UJ	11	R
Carbon Tetrachloride	11	U	11	UJ	11	UJ	11	UJ	11	R
Benzene	11	UJ	11	UJ	11	UJ	47	J	38	J
1,2-Dichloroethane	11	U	11	UJ	11	UJ	11	UJ	11	R
Trichloroethene	11	U	11	UJ	11	UJ	43	J	34	J
Methylcyclohexane	11	U	11	UJ	1	J	11	UJ	2	J
1,2-Dichloropropane	11	U	11	UJ	11	UJ	11	UJ	11	R
Bromodichloromethane	11	U	11	UJ	11	UJ	11	UJ	11	R
cis-1,3-Dichloropropene	11	U	11	UJ	11	UJ	11	UJ	11	R
4-Methyl-2-pentanone	11	U	11	UJ	11	UJ	11	UJ	11	R
Toluene	11	U	1	J	1	J	42	J	34	J
trans-1,3-Dichloropropene	11	U	11	UJ	11	UJ	11	UJ	11	R
1,1,2-Trichloroethane	11	U	11	UJ	11	UJ	11	UJ	11	R
Tetrachloroethene	11	U	11	UJ	11	UJ	11	UJ	11	R

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0029		E0029RE		E0030		E0030MS		E0030MSD	
Sampling Location :	X108		X108		X109		X109		X109	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/23/2001		05/23/2001		05/23/2001	
Time Sampled :	16:20		16:20		08.20		08:20		08:20	
%Moisture :	16		16		24		24		24	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	11	U	11	UJ	11	UJ	11	UJ	11	R
Dibromochloromethane	11	U	11	UJ	11	UJ	11	UJ	11	R
1,2-Dibromoethane	11	U	11	UJ	11	UJ	11	UJ	11	R
Chlorobenzene	11	UJ	11	UJ	11	UJ	32	J	24	J
Ethylbenzene	11	UJ	11	UJ	11	UJ	2	J	11	R
Xylenes (total)	11	UJ	11	UJ	11	UJ	5	J	11	R
Styrene	11	UJ	11	UJ	11	UJ	11	UJ	11	R
Bromoform	11	U	11	UJ	11	UJ	11	UJ	11	R
Isopropylbenzene	11	UJ	11	UJ	11	UJ	11	UJ	11	R
1,1,2,2-Tetrachloroethane	11	U	11	UJ	11	UJ	11	UJ	11	R
1,3-Dichlorobenzene	11	UJ	11	UJ	11	UJ	11	UJ	11	R
1,4-Dichlorobenzene	11	UJ	11	UJ	11	UJ	11	UJ	11	R
1,2-Dichlorobenzene	11	UJ	11	UJ	11	UJ	11	UJ	11	R
1,2-Dibromo-3-chloropropane	11	U	11	UJ	11	UJ	11	UJ	11	R
1,2,4-Trichlorobenzene	11	UJ	11	UJ	11	UJ	11	UJ	11	R

Analytical Results (Qualified Data)

Case # 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab : AATSLA
Reviewer :
Date :

Sample Number :	E0031		E0031DL		E0032		E0032RE		E0033	
Sampling Location :	X110		X110		X111		X111		X112	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/23/2001		05/23/2001		05/23/2001		05/23/2001		05/23/2001	
Time Sampled :	08:35		08:35		08:50		08:50		09:00	
%Moisture :	23		23		18		18		19	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	12	UJ	65	UJ	11	U	10	UJ	18	U
Chloromethane	12	UJ	65	UJ	11	U	10	UJ	18	U
Vinyl Chloride	3	J	65	UJ	11	U	10	UJ	18	U
Bromomethane	12	UJ	65	UJ	11	U	10	UJ	18	U
Chloroethane	27	J	61	J	11	U	10	UJ	18	U
Trichlorofluoromethane	12	UJ	65	UJ	11	U	10	UJ	18	U
1,1-Dichloroethene	12	UJ	65	UJ	11	U	10	UJ	18	U
1,1,2-Trichloro-1,2,2-trifluoroethane	12	UJ	65	UJ	11	U	10	UJ	18	U
Acetone	110	U	160	U	330	J	130	U	970	J
Carbon Disulfide	4	J	65	UJ	1	J	10	UJ	5	J
Methyl Acetate	12	UJ	65	UJ	11	UJ	10	UJ	18	UJ
Methylene Chloride	18	U	86	U	11	U	11	U	18	U
trans-1,2-Dichloroethene	12	UJ	65	UJ	11	U	10	UJ	18	U
Methyl tert-Butyl Ether	12	UJ	65	UJ	11	U	10	UJ	18	U
1,1-Dichloroethane	18	J	65	UJ	11	U	10	UJ	18	U
cis-1,2-Dichloroethene	12	UJ	65	UJ	11	U	10	UJ	18	U
2-Butanone	49	J	52	J	83	J	50	J	190	J
Chloroform	12	UJ	65	UJ	11	U	10	UJ	18	U
1,1,1-Trichloroethane	12	UJ	65	UJ	11	U	10	UJ	18	U
Cyclohexane	12	UJ	65	UJ	11	U	6	J	18	U
Carbon Tetrachloride	12	UJ	65	UJ	11	U	10	UJ	18	U
Benzene	6	J	65	R	6	J	5	J	6	J
1,2-Dichloroethane	12	UJ	65	UJ	11	U	10	UJ	18	U
Trichloroethene	7	J	65	UJ	11	U	10	UJ	18	U
Methylcyclohexane	20	J	65	UJ	5	J	4	J	4	J
1,2-Dichloropropane	12	UJ	65	UJ	11	U	10	UJ	18	U
Bromodichloromethane	12	UJ	65	UJ	11	U	10	UJ	18	U
cis-1,3-Dichloropropene	12	UJ	65	UJ	11	U	10	UJ	18	U
4-Methyl-2-pentanone	12	UJ	65	UJ	11	U	10	UJ	18	U
Toluene	360	J	31	J	11	UJ	4	J	18	UJ
trans-1,3-Dichloropropene	12	UJ	65	UJ	11	U	10	UJ	18	U
1,1,2-Trichloroethane	12	UJ	65	UJ	11	U	10	UJ	18	U
Tetrachloroethene	1	J	65	U	11	U	10	UJ	18	U

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0031		E0031DL		E0032		E0032RE		E0033	
Sampling Location :	X110		X110		X111		X111		X112	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/23/2001		05/23/2001		05/23/2001		05/23/2001		05/23/2001	
Time Sampled :	08:35		08:35		08:50		08:50		09:00	
%Moisture :	23		23		18		18		19	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	12	UJ	65	UJ	11	U	10	UJ	18	U
Dibromochloromethane	12	UJ	65	UJ	11	U	10	UJ	18	U
1,2-Dibromoethane	12	UJ	65	UJ	11	U	10	UJ	18	U
Chlorobenzene	12	UJ	65	R	11	UJ	10	UJ	18	UJ
Ethylbenzene	200	J	85	J	11	UJ	10	UJ	18	UJ
Xylenes (total)	890	J	470	J	7	J	4	J	18	UJ
Styrene	12	UJ	65	R	11	UJ	10	UJ	18	UJ
Bromoform	12	UJ	65	UJ	11	U	10	UJ	18	U
Isopropylbenzene	17	J	14	J	68	J	52	J	18	J
1,1,2,2-Tetrachloroethane	12	UJ	65	UJ	11	U	10	UJ	18	U
1,3-Dichlorobenzene	12	UJ	65	R	11	UJ	10	UJ	18	UJ
1,4-Dichlorobenzene	12	UJ	65	R	11	UJ	10	UJ	18	UJ
1,2-Dichlorobenzene	12	UJ	65	R	3	J	1	J	18	UJ
1,2-Dibromo-3-chloropropane	12	UJ	65	UJ	11	U	10	UJ	18	U
1,2,4-Trichlorobenzene	12	UJ	65	R	11	UJ	10	UJ	18	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number	E0033RE		E0034		E0034RE		E0035		E0035RE	
Sampling Location :	X112		X113		X113		X114		X114	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/23/2001		05/23/2001		05/23/2001		05/23/2001		05/23/2001	
Time Sampled :	09:00		09:40		09 40		10:30		10:30	
%Moisture :	19		28		28		26		26	
pH :										
Dilution Factor :	1 0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	UJ	14	U	14	R	13	UJ	13	UJ
Chloromethane	10	UJ	14	U	14	R	13	UJ	13	UJ
Vinyl Chloride	10	UJ	14	U	14	R	13	UJ	13	UJ
Bromomethane	10	UJ	14	U	14	R	13	UJ	13	UJ
Chloroethane	10	UJ	14	U	14	R	13	UJ	13	UJ
Trichlorofluoromethane	10	UJ	14	U	14	R	13	UJ	13	UJ
1,1-Dichloroethene	10	UJ	14	U	14	R	13	UJ	13	UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	10	UJ	14	U	14	R	13	UJ	13	UJ
Acetone	69	U	140	J	49	U	57	U	68	U
Carbon Disulfide	4	J	2	J	14	R	13	UJ	13	UJ
Methyl Acetate	10	UJ	14	UJ	14	R	13	UJ	13	UJ
Methylene Chloride	10	U	19	U	14	U	13	U	14	U
trans-1,2-Dichloroethene	10	UJ	14	U	14	R	13	UJ	13	UJ
Methyl tert-Butyl Ether	10	UJ	14	U	14	R	13	UJ	13	UJ
1,1-Dichloroethane	3	J	3	J	14	R	13	UJ	13	UJ
cis-1,2-Dichloroethene	3	J	14	U	14	R	13	UJ	13	UJ
2-Butanone	10	UJ	14	UJ	14	R	13	UJ	13	UJ
Chloroform	10	UJ	14	U	14	R	13	UJ	13	UJ
1,1,1-Trichloroethane	10	UJ	8	J	8	J	13	UJ	13	UJ
Cyclohexane	10	UJ	14	U	14	R	13	UJ	13	UJ
Carbon Tetrachloride	10	UJ	14	U	14	R	13	UJ	13	UJ
Benzene	10	UJ	14	UJ	14	R	13	UJ	13	UJ
1,2-Dichloroethane	10	UJ	14	U	14	R	13	UJ	13	UJ
Trichloroethene	7	J	14	U	14	R	13	UJ	13	UJ
Methylcyclohexane	21	J	2	J	14	R	13	UJ	13	UJ
1,2-Dichloropropane	10	UJ	14	U	14	R	13	UJ	13	UJ
Bromodichloromethane	10	UJ	14	U	14	R	13	UJ	13	UJ
cis-1,3-Dichloropropene	10	UJ	14	U	14	R	13	UJ	13	UJ
4-Methyl-2-pentanone	10	UJ	14	U	14	R	13	UJ	13	UJ
Toluene	4	J	14	UJ	2	J	1	J	1	J
trans-1,3-Dichloropropene	10	UJ	14	U	14	R	13	UJ	13	UJ
1,1,2-Trichloroethane	10	UJ	14	U	14	R	13	UJ	13	UJ
Tetrachloroethene	3	J	14	U	14	R	13	UJ	13	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0033RE		E0034		E0034RE		E0035		E0035RE	
Sampling Location :	X112		X113		X113		X114		X114	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units .	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/23/2001		05/23/2001		05/23/2001		05/23/2001		05/23/2001	
Time Sampled :	09.00		09:40		09:40		10:30		10:30	
%Moisture :	19		28		28		26		26	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10	UJ	14	U	14	R	13	UJ	43	J
Dibromochloromethane	10	UJ	14	U	14	R	13	UJ	13	UJ
1,2-Dibromoethane	10	UJ	14	U	14	R	13	UJ	13	UJ
Chlorobenzene	10	UJ	14	UJ	14	R	13	UJ	13	UJ
Ethylbenzene	16	J	14	UJ	14	R	13	UJ	13	UJ
Xylenes (total)	120	J	14	UJ	14	R	13	UJ	13	UJ
Styrene	10	UJ	14	UJ	14	R	13	UJ	13	UJ
Bromoform	10	UJ	14	U	14	R	13	UJ	13	UJ
Isopropylbenzene	66	J	14	UJ	14	R	13	UJ	13	UJ
1,1,2,2-Tetrachloroethane	10	UJ	14	U	14	R	13	UJ	13	UJ
1,3-Dichlorobenzene	10	UJ	14	UJ	14	R	13	UJ	13	UJ
1,4-Dichlorobenzene	10	UJ	14	UJ	14	R	13	UJ	13	UJ
1,2-Dichlorobenzene	10	UJ	14	UJ	14	R	13	UJ	13	UJ
1,2-Dibromo-3-chloropropane	10	UJ	14	U	14	R	13	UJ	13	UJ
1,2,4-Trichlorobenzene	10	UJ	14	UJ	14	R	13	UJ	13	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number	VBLKBF		VBLKBQ		VBLKBU		VBLKBV		VHBLKBH	
Sampling Location :										
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	U	10	U	10	U	10	U		U
Chloromethane	10	U	10	U	10	U	10	U		U
Vinyl Chloride	10	U	10	U	10	U	10	U		U
Bromomethane	10	U	10	U	10	U	10	UJ		U
Chloroethane	10	U	10	U	10	U	10	U		U
Trichlorofluoromethane	10	U	10	U	10	U	10	U		U
1,1-Dichloroethene	10	U	10	U	10	U	10	U		U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	U	10	U	10	U		U
Acetone	14	J	14	J	10	UJ	14	J	20	J
Carbon Disulfide	10	U	10	U	10	U	10	U		U
Methyl Acetate	10	U	10	U	10	UJ	10	UJ		U
Methylene Chloride	20	J	12	J	8	J	10	J	25	J
trans-1,2-Dichloroethene	10	U	10	U	10	U	10	U		U
Methyl tert-Butyl Ether	10	U	10	U	10	U	10	U		U
1,1-Dichloroethane	10	U	10	U	10	U	10	U		U
cis-1,2-Dichloroethene	10	U	10	U	10	U	10	U		U
2-Butanone	10	U	10	U	10	UJ	10	U		U
Chloroform	10	U	10	U	10	U	10	U		U
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U		U
Cyclohexane	10	U	2	J	4	J	10	U		U
Carbon Tetrachloride	10	U	10	U	10	U	10	U		U
Benzene	10	U	10	U	10	U	10	U		U
1,2-Dichloroethane	10	U	10	U	10	U	10	U		U
Trichloroethene	10	U	10	U	10	U	10	U		U
Methylcyclohexane	10	U	10	U	10	U	10	U		U
1,2-Dichloropropane	10	U	10	U	10	U	10	U		U
Bromodichloromethane	10	U	10	U	10	U	10	U		U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U		U
4-Methyl-2-pentanone	10	U	10	U	10	U	10	U		U
Toluene	10	U	10	U	2	J	10	U		U
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U		U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U		U
Tetrachloroethene	4	J	10	U	10	U	10	U	6	

Analytical Results (Qualified Data)

Case # 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	VBLKBF		VBLKBQ		VBLKBU		VBLKBV		VHBLKBH	
Sampling Location :										
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10	U	10	U	10	U	10	U		U
Dibromochloromethane	10	U	10	U	10	U	10	U		U
1,2-Dibromoethane	10	U	10	U	10	U	10	U		U
Chlorobenzene	10	U	10	U	10	U	10	U		U
Ethylbenzene	10	U	10	U	10	U	10	U		U
Xylenes (total)	10	U	10	U	10	U	10	U		U
Styrene	10	U	10	U	10	U	10	U		U
Bromoform	10	U	10	U	10	U	10	U		U
Isopropylbenzene	10	U	10	U	10	U	10	U		U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U		U
1,3-Dichlorobenzene	10	U	10	U	10	U	10	U		U
1,4-Dichlorobenzene	10	U	10	U	10	U	10	U		U
1,2-Dichlorobenzene	10	U	10	U	10	U	10	U		U
1,2-Dibromo-3-chloropropane	10	U	10	U	10	U	10	U		U
1,2,4-Trichlorobenzene	10	U	10	U	10	U	10	U		U

Analytical Results (Qualified Data)

Case # 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Number of Soil Samples 20
Number of Water Samples 0

Sample Number :	E0010		E0011		E0014		E0016		E0017	
Sampling Location :	S102		S101		S103		S104		S105	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:10		11:15		11:55		12:45		13:15	
%Moisture :	68		54		54		18		48	
pH :	7.8		7.8		7.7		8.1		7.5	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	1000	U	720	U	720	U	400	U	630	U
Phenol	1000	U	720	U	720	U	400	U	630	U
bis-(2-Chloroethyl) ether	1000	U	720	U	720	U	400	U	630	U
2-Chlorophenol	1000	U	720	U	720	U	400	U	630	U
2-Methylphenol	1000	U	720	U	720	U	400	U	630	U
2,2'-oxybis(1-Chloropropane)	1000	U	720	U	720	U	400	U	630	U
Acetophenone	1000	U	720	U	720	U	400	U	630	U
4-Methylphenol	1000	U	720	U	720	U	400	U	630	U
N-Nitroso-di-n-propylamine	1000	U	720	U	720	U	400	U	630	U
Hexachloroethane	1000	U	720	U	720	U	400	U	630	U
Nitrobenzene	1000	U	720	U	720	U	400	U	630	U
Isophorone	1000	U	720	U	720	U	400	U	630	U
2-Nitrophenol	1000	U	720	U	720	U	400	U	630	U
2,4-Dimethylphenol	1000	U	720	U	720	U	400	U	630	U
bis(2-Chloroethoxy)methane	1000	U	720	U	720	U	400	U	630	U
2,4-Dichlorophenol	1000	U	720	U	720	U	400	U	630	U
Naphthalene	1000	U	720	U	720	U	400	U	630	U
4-Chloroaniline	1000	U	720	U	720	U	400	U	630	U
Hexachlorobutadiene	1000	U	720	U	720	U	400	U	630	U
Caprolactam	1000	U	720	U	720	U	400	U	630	U
4-Chloro-3-methylphenol	1000	U	720	U	720	U	400	U	630	U
2-Methylnaphthalene	1000	U	720	U	720	U	400	U	630	U
Hexachlorocyclopentadiene	1000	U	720	U	720	U	400	U	630	U
2,4,6-Trichlorophenol	1000	U	720	U	720	U	400	U	630	U
2,4,5-Trichlorophenol	2600	U	1800	U	1800	U	1000	U	1600	U
1,1'-Biphenyl	1000	U	720	U	720	U	400	U	630	U
2-Chloronaphthalene	1000	U	720	U	720	U	400	U	630	U
2-Nitroaniline	2600	U	1800	U	1800	U	1000	U	1600	U
Dimethylphthalate	1000	U	720	U	720	U	400	U	630	U
2,6-Dinitrotoluene	1000	U	720	U	720	U	400	U	630	U
Acenaphthylene	1000	U	720	U	720	U	400	U	630	U
3-Nitroaniline	2600	U	1800	U	1800	U	1000	U	1600	U
Acenaphthene	1000	U	720	U	720	U	400	U	630	U

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0010		E0011		E0014		E0016		E0017	
Sampling Location :	S102		S101		S103		S104		S105	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:10		11:15		11:55		12:45		13:15	
%Moisture :	68		54		54		18		48	
pH :	7.8		7.8		7.7		8.1		7.5	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	2600	U	1800	U	1800	U	1000	U	1600	U
4-Nitrophenol	2600	U	1800	U	1800	U	1000	U	1600	U
Dibenzofuran	1000	U	720	U	720	U	400	U	630	U
2,4-Dinitrotoluene	1000	U	720	U	720	U	400	U	630	U
Diethylphthalate	1000	U	720	U	720	U	400	U	630	U
Fluorene	1000	U	720	U	720	U	400	U	630	U
4-Chlorophenyl-phenyl ether	1000	U	720	U	720	U	400	U	630	U
4-Nitroaniline	2600	U	1800	U	1800	U	1000	U	1600	U
4,6-Dinitro-2-methylphenol	2600	U	1800	U	1800	U	1000	U	1600	U
N-Nitrosodiphenylamine	1000	U	720	U	720	U	400	U	630	U
4-Bromophenyl-phenylether	1000	U	720	U	720	U	400	U	630	U
Hexachlorobenzene	1000	U	720	U	720	U	400	U	630	U
Atrazine	1000	U	720	U	720	U	400	U	630	U
Pentachlorophenol	2600	U	1800	U	1800	U	1000	U	1600	U
Phenanthrene	400	J	190	J	630	J	400	U	580	J
Anthracene	340	J	720	U	100	J	400	U	84	J
Carbazole	1000	U	720	U	83	J	400	U	79	J
Di-n-butylphthalate	330	J	720	U	720	U	400	U	630	U
Fluoranthene	2100		670	J	1800		79	J	1500	
Pyrene	2200		540	J	1400		66	J	1300	
Butylbenzylphthalate	1000	U	720	U	720	U	400	U	630	U
3,3'-Dichlorobenzidine	1000	U	720	U	720	U	400	U	630	U
Benzo(a)anthracene	1100		220	J	620	J	400	U	570	J
Chrysene	1900		430	J	1100		43	J	1100	
bis(2-Ethylhexyl)phthalate	890	J	270	J	1100		400	U	630	
Di-n-octylphthalate	1000	U	720	U	720	U	400	U	75	J
Benzo(b)fluoranthene	2100		580	J	1500		48	J	1500	
Benzo(k)fluoranthene	1400		450	J	1200		41	J	890	
Benzo(a)pyrene	1100		330	J	940		400	U	930	
Indeno(1,2,3-cd)pyrene	310	J	140	J	320	J	400	U	450	J
Dibenzo(a,h)anthracene	1000	U	720	U	100	J	400	U	630	U
Benzo(g,h,i)perylene	270	J	120	J	290	J	400	U	410	J

Analytical Results (Qualified Data)

Case #. 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0018		E0020		E0021		E0022		E0022DL	
Sampling Location :	S106		X101		X102		X103		X103	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	13:15		14:30		14:50		15:10		15:10	
%Moisture :	22		22		6		4		4	
pH :	7.5		7.5		8.1		8.4		8.4	
Dilution Factor :	1.0		1.0		1.0		1.0		10.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	420	U	420	U	350	U	340	U	3400	U
Phenol	420	U	420	U	350	U	340	U	3400	U
bis-(2-Chloroethyl) ether	420	U	420	U	350	U	340	U	3400	U
2-Chlorophenol	420	U	420	U	350	U	340	U	3400	U
2-Methylphenol	420	U	420	U	350	U	340	U	3400	U
2,2'-oxybis(1-Chloropropane)	420	U	420	U	350	U	340	U	3400	U
Acetophenone	420	U	420	U	350	U	340	U	3400	U
4-Methylphenol	420	U	420	U	350	U	340	U	3400	U
N-Nitroso-di-n-propylamine	420	U	420	U	350	U	340	U	3400	U
Hexachloroethane	420	U	420	U	350	U	340	U	3400	U
Nitrobenzene	420	U	420	U	350	U	340	U	3400	U
Isophorone	420	U	420	U	350	U	340	U	3400	U
2-Nitrophenol	420	U	420	U	350	U	340	U	3400	U
2,4-Dimethylphenol	420	U	420	U	350	U	340	U	3400	U
bis(2-Chloroethoxy)methane	420	U	420	U	350	U	340	U	3400	U
2,4-Dichlorophenol	420	U	420	U	350	U	340	U	3400	U
Naphthalene	420	U	210	J	350	U	86	J	3400	U
4-Chloroaniline	420	U	420	U	350	U	340	U	3400	U
Hexachlorobutadiene	420	U	420	U	350	U	340	U	3400	U
Caprolactam	420	U	420	U	350	U	340	U	3400	U
4-Chloro-3-methylphenol	420	U	420	U	350	U	340	U	3400	U
2-Methylnaphthalene	420	U	480		350	U	130	J	3400	U
Hexachlorocyclopentadiene	420	U	420	U	350	U	340	U	3400	U
2,4,6-Trichlorophenol	420	U	420	U	350	U	340	U	3400	U
2,4,5-Trichlorophenol	1100	U	1100	U	880	U	860	U	8600	U
1,1'-Biphenyl	420	U	420	U	350	U	340	U	3400	U
2-Chloronaphthalene	420	U	420	U	350	U	340	U	3400	U
2-Nitroaniline	1100	U	1100	U	880	U	860	U	8600	U
Dimethylphthalate	420	U	420	U	350	U	340	U	3400	U
2,6-Dinitrotoluene	420	U	420	U	350	U	340	U	3400	U
Acenaphthylene	420	U	420	U	350	U	570		580	J
3-Nitroaniline	1100	U	1100	U	880	U	860	U	8600	U
Acenaphthene	420	U	420	U	350	U	580		620	J

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0018		E0020		E0021		E0022		E0022DL	
Sampling Location :	S106		X101		X102		X103		X103	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	13:15		14:30		14:50		15:10		15:10	
%Moisture :	22		22		6		4		4	
pH :	7.5		7.5		8.1		8.4		8.4	
Dilution Factor :	1.0		1.0		1.0		1.0		10.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	1100	U	1100	U	880	U	860	U	8600	U
4-Nitrophenol	1100	U	1100	U	880	U	860	U	8600	U
Dibenzofuran	420	U	60	J	350	U	290	J	3400	U
2,4-Dinitrotoluene	420	U	420	U	350	U	340	U	3400	U
Diethylphthalate	420	U	45	J	350	U	340	U	3400	U
Fluorene	420	U	420	U	350	U	380		400	J
4-Chlorophenyl-phenyl ether	420	U	420	U	350	U	340	U	3400	U
4-Nitroaniline	1100	U	1100	U	880	U	860	U	8600	U
4,6-Dinitro-2-methylphenol	1100	U	1100	U	880	U	860	U	8600	U
N-Nitrosodiphenylamine	420	U	420	U	350	U	340	U	3400	U
4-Bromophenyl-phenylether	420	U	420	U	350	U	340	U	3400	U
Hexachlorobenzene	420	U	420	U	350	U	340	U	3400	U
Atrazine	420	U	420	U	350	U	340	U	3400	U
Pentachlorophenol	1100	U	1100	U	880	U	860	U	8600	U
Phenanthrene	460		280	J	74	J	3500		3700	
Anthracene	85	J	420	U	350	U	1100		1100	J
Carbazole	56	J	420	U	350	U	190	J	3400	U
Di-n-butylphthalate	99	J	110	J	59	J	40	J	3400	U
Fluoranthene	1200		94	J	140	J	9100		13000	
Pyrene	850		84	J	120	J	8200		9900	
Butylbenzylphthalate	420	U	93	J	350	U	340	U	3400	U
3,3'-Dichlorobenzidine	420	U	420	U	350	U	340	U	3400	U
Benzo(a)anthracene	410	J	420	U	64	J	6300		7000	
Chrysene	780		66	J	88	J	6700		8400	
bis(2-Ethylhexyl)phthalate	510		140	J	60	J	42	J	3400	U
Di-n-octylphthalate	420	U	420	U	350	U	340	UJ	3400	U
Benzo(b)fluoranthene	1100		420	U	84	J	15000	J	14000	
Benzo(k)fluoranthene	630		420	U	71	J	4100	J	7800	
Benzo(a)pyrene	650		420	U	77	J	6500	J	12000	
Indeno(1,2,3-cd)pyrene	240	J	420	U	350	U	2300	J	3800	
Dibenzo(a,h)anthracene	81	J	420	U	350	U	180	J	380	J
Benzo(g,h,i)perylene	210	J	420	U	350	U	2000	J	3300	J

Analytical Results (Qualified Data)

Case #: 29298 SDG E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0023		E0026		E0027		E0027DL		E0028	
Sampling Location :	X104		X105		X106		X106		X107	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	15:30		15:40		16:00		16:00		16:20	
%Moisture	5		22		30		30		21	
pH :	8.4		7.3		7.5		7.5		7.6	
Dilution Factor	1.0		1.0		1.0		2.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	350	U	420	U	470	U	940	U	420	U
Phenol	350	U	420	U	470	U	940	U	420	U
bis-(2-Chloroethyl) ether	350	U	420	U	470	U	940	U	420	U
2-Chlorophenol	350	U	420	U	470	U	940	U	420	U
2-Methylphenol	350	U	420	U	470	U	940	U	420	U
2,2'-oxybis(1-Chloropropane)	350	U	420	U	470	U	940	U	420	U
Acetophenone	350	U	420	U	470	U	940	U	420	U
4-Methylphenol	350	U	420	U	470	U	940	U	420	U
N-Nitroso-di-n-propylamine	350	U	420	U	470	U	940	U	420	U
Hexachloroethane	350	U	420	U	470	U	940	U	420	U
Nitrobenzene	350	U	420	U	470	U	940	U	420	U
Isophorone	350	U	420	U	470	U	940	U	420	U
2-Nitrophenol	350	U	420	U	470	U	940	U	420	U
2,4-Dimethylphenol	350	U	420	U	470	U	940	U	420	U
bis(2-Chloroethoxy)methane	350	U	420	U	470	U	940	U	420	U
2,4-Dichlorophenol	350	U	420	U	470	U	940	U	420	U
Naphthalene	350	U	420	U	470	U	940	U	420	U
4-Chloroaniline	350	U	420	U	470	U	940	U	420	U
Hexachlorobutadiene	350	U	420	U	470	U	940	U	420	U
Caprolactam	350	U	420	U	470	U	940	U	420	U
4-Chloro-3-methylphenol	350	U	420	U	470	U	940	U	420	U
2-Methylnaphthalene	350	U	420	U	470	U	940	U	420	U
Hexachlorocyclopentadiene	350	U	420	U	470	U	940	U	420	U
2,4,6-Trichlorophenol	350	U	420	U	470	U	940	U	420	U
2,4,5-Trichlorophenol	870	U	1100	U	1200	U	2400	U	1100	U
1,1'-Biphenyl	350	U	420	U	470	U	940	U	420	U
2-Chloronaphthalene	350	U	420	U	470	U	940	U	420	U
2-Nitroaniline	870	U	1100	U	1200	U	2400	U	1100	U
Dimethylphthalate	350	U	420	U	470	U	940	U	420	U
2,6-Dinitrotoluene	350	U	420	U	470	U	940	U	420	U
Acenaphthylene	350	U	420	U	300	J	330	J	420	U
3-Nitroaniline	870	U	1100	U	1200	U	2400	U	1100	U
Acenaphthene	350	U	420	U	95	J	98	J	420	U

Analytical Results (Qualified Data)

Case # 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab : AATSLA
Reviewer :
Date :

Sample Number :	E0023		E0026		E0027		E0027DL		E0028	
Sampling Location :	X104		X105		X106		X106		X107	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	15:30		15:40		16:00		16:00		16:20	
%Moisture	5		22		30		30		21	
pH :	8.4		7.3		7.5		7.5		7.6	
Dilution Factor :	1.0		1.0		1.0		2.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	870	U	1100	U	1200	U	2400	U	1100	U
4-Nitrophenol	870	U	1100	U	1200	U	2400	U	1100	U
Dibenzofuran	350	U	420	U	120	J	120	J	420	U
2,4-Dinitrotoluene	350	U	420	U	470	U	940	U	420	U
Diethylphthalate	350	U	420	U	470	U	940	U	420	U
Fluorene	350	U	420	U	260	J	250	J	420	U
4-Chlorophenyl-phenyl ether	350	U	420	U	470	U	940	U	420	U
4-Nitroaniline	870	U	1100	U	1200	U	2400	U	1100	U
4,6-Dinitro-2-methylphenol	870	U	1100	U	1200	U	2400	U	1100	U
N-Nitrosodiphenylamine	350	U	420	U	470	U	940	U	420	U
4-Bromophenyl-phenylether	350	U	420	U	470	U	940	U	420	U
Hexachlorobenzene	350	U	420	U	470	U	940	U	420	U
Atrazine	350	U	420	U	470	U	940	U	420	U
Pentachlorophenol	870	U	1100	U	1200	U	2400	U	1100	U
Phenanthrene	67	J	110	J	2300		2300		81	J
Anthracene	350	U	420	U	540		560	J	420	U
Carbazole	350	U	420	U	120	J	130	J	420	U
Di-n-butylphthalate	350	U	420	U	470	U	940	U	420	U
Fluoranthene	120	J	140	J	4100		4700		180	J
Pyrene	100	J	130	J	2900		3200		140	J
Butylbenzylphthalate	350	U	420	U	470	U	940	U	420	U
3,3'-Dichlorobenzidine	350	U	420	U	470	U	940	U	420	U
Benzo(a)anthracene	57	J	56	J	470	U	1800		80	J
Chrysene	74	J	94	J	2000		1800		110	J
bis(2-Ethylhexyl)phthalate	110	J	420	U	1600		1700		110	J
Di-n-octylphthalate	350	U	420	U	470	U	940	U	420	U
Benzo(b)fluoranthene	91	J	81	J	2300		1900		110	J
Benzo(k)fluoranthene	70	J	65	J	1200		1900		99	J
Benzo(a)pyrene	65	J	60	J	1700		1700		91	J
Indeno(1,2,3-cd)pyrene	350	U	420	U	480		410	J	47	J
Dibenzo(a,h)anthracene	350	U	420	U	470	U	940	U	420	U
Benzo(g,h,i)perylene	350	U	420	U	390	J	340	J	44	J

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0029		E0030		E0030MS		E0030MSD		E0031	
Sampling Location :	X108		X109		X109		X109		X110	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/23/2001		05/23/2001		05/23/2001		05/23/2001	
Time Sampled :	16:20		08.20		08.20		08:20		08:35	
%Moisture :	16		25		25		25		23	
pH :	7.2		7.9		7.9		7.9		8.8	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	390	U	440	U	440	U	440	U	430	U
Phenol	43	J	440	U	1300		1400		430	U
bis-(2-Chloroethyl) ether	390	U	440	U	440	U	440	U	430	U
2-Chlorophenol	390	U	440	U	1100		1100		430	U
2-Methylphenol	390	U	440	U	440	U	440	U	430	U
2,2'-oxybis(1-Chloropropane)	390	U	440	U	440	U	440	U	430	U
Acetophenone	390	U	440	U	440	U	440	U	68	J
4-Methylphenol	390	U	440	U	440	U	440	U	430	U
N-Nitroso-di-n-propylamine	390	U	440	UJ	830		940		430	U
Hexachloroethane	390	U	440	U	440	U	440	U	430	U
Nitrobenzene	390	U	440	U	440	U	440	U	430	U
Isophorone	390	U	440	U	440	U	440	U	430	U
2-Nitrophenol	390	U	440	U	440	U	440	U	430	U
2,4-Dimethylphenol	390	U	440	U	440	U	440	U	430	U
bis(2-Chloroethoxy)methane	390	U	440	U	440	U	440	U	430	U
2,4-Dichlorophenol	390	U	440	U	440	U	440	U	430	U
Naphthalene	390	U	440	U	440	U	440	U	72	J
4-Chloroaniline	390	U	440	U	440	U	440	U	430	U
Hexachlorobutadiene	390	U	440	U	440	U	440	U	430	U
Caprolactam	390	U	440	U	440	U	440	U	430	U
4-Chloro-3-methylphenol	390	U	440	U	1500		1500		430	U
2-Methylnaphthalene	390	U	440	U	560		440	U	170	J
Hexachlorocyclopentadiene	390	U	440	U	440	U	440	U	430	U
2,4,6-Trichlorophenol	390	U	440	U	440	U	440	U	430	U
2,4,5-Trichlorophenol	990	U	1100	U	1100	U	1100	U	1100	U
1,1'-Biphenyl	390	U	440	U	440	U	440	U	430	U
2-Chloronaphthalene	390	U	440	U	440	U	440	U	430	U
2-Nitroaniline	990	U	1100	U	1100	U	1100	U	1100	U
Dimethylphthalate	390	U	440	U	440	U	440	U	430	U
2,6-Dinitrotoluene	390	U	440	U	440	U	440	U	430	U
Acenaphthylene	390	U	440	U	440	U	440	U	140	J
3-Nitroaniline	990	U	1100	U	1100	U	1100	U	1100	U
Acenaphthene	390	U	440	U	1100		1300		430	U

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number	E0029		E0030		E0030MS		E0030MSD		E0031	
Sampling Location	X108		X109		X109		X109		X110	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	05/22/2001		05/23/2001		05/23/2001		05/23/2001		05/23/2001	
Time Sampled	16:20		08:20		08:20		08:20		08:35	
%Moisture	16		25		25		25		23	
pH	7.2		7.9		7.9		7.9		8.8	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	990	U	1100	U	1100	U	1100	U	1100	U
4-Nitrophenol	990	U	1100	U	1700		2100		1100	U
Dibenzofuran	390	U	440	U	440	U	440	U	430	U
2,4-Dinitrotoluene	390	U	440	U	1200		1500		430	U
Diethylphthalate	390	U	440	U	440	U	440	U	430	U
Fluorene	390	U	440	U	440	U	440	U	67	J
4-Chlorophenyl-phenyl ether	390	U	440	U	440	U	440	U	430	U
4-Nitroaniline	990	U	1100	U	1100	U	1100	U	1100	U
4,6-Dinitro-2-methylphenol	990	U	1100	U	1100	U	1100	U	1100	U
N-Nitrosodiphenylamine	390	U	440	U	440	U	440	U	430	U
4-Bromophenyl-phenylether	390	U	440	U	440	U	440	U	430	U
Hexachlorobenzene	390	U	440	U	440	U	440	U	430	U
Atrazine	390	U	440	U	440	U	440	U	430	U
Pentachlorophenol	990	U	1100	U	1500		1900		1100	U
Phenanthrene	390	U	140	J	120	J	130	J	250	J
Anthracene	390	U	440	U	440	U	440	U	47	J
Carbazole	390	U	440	U	440	U	440	U	430	U
Di-n-butylphthalate	55	J	440	U	440	U	440	U	430	U
Fluoranthene	47	J	280	J	240	J	260	J	170	J
Pyrene	42	J	260	J	1500		1700		170	J
Butylbenzylphthalate	390	U	440	U	440	U	440	U	430	U
3,3'-Dichlorobenzidine	390	U	440	U	440	U	440	U	430	U
Benzo(a)anthracene	390	U	110	J	100	J	100	J	63	J
Chrysene	390	U	160	J	140	J	150	J	100	J
bis(2-Ethylhexyl)phthalate	390	U	440	U	440	U	440	U	3400	
Di-n-octylphthalate	390	U	440	U	440	U	440	U	430	U
Benzo(b)fluoranthene	390	U	140	J	110	J	150	J	79	J
Benzo(k)fluoranthene	390	U	130	J	130	J	110	J	72	J
Benzo(a)pyrene	390	U	95	J	96	J	110	J	67	J
Indeno(1,2,3-cd)pyrene	390	U	51	J	440	U	440	U	430	U
Dibenzo(a,h)anthracene	390	U	440	U	440	U	440	U	430	U
Benzo(g,h,i)perylene	390	U	49	J	440	U	45	J	430	U

Analytical Results (Qualified Data)

Case # 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. AATSLA
Reviewer
Date :

Sample Number :	E0032		E0033		E0034		E0035		SBLKFE	
Sampling Location :	X111		X112		X113		X114			
Matrix	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	05/23/2001		05/23/2001		05/23/2001		05/23/2001			
Time Sampled :	08 50		09:00		09:40		10.30			
%Moisture :	18		19		28		26		N/A	
pH .	8.7		8.7		7.9		8.3		7.0	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	400	U	410	U	460	U	450	U	330	U
Phenol	400	U	410	U	460	U	450	U	330	U
bis-(2-Chloroethyl) ether	400	U	410	U	460	U	450	U	330	U
2-Chlorophenol	400	U	410	U	460	U	450	U	330	U
2-Methylphenol	400	U	410	U	460	U	450	U	330	U
2,2'-oxybis(1-Chloropropane)	400	U	410	U	460	U	450	U	330	U
Acetophenone	59	J	410	U	460	U	450	U	330	U
4-Methylphenol	400	U	410	U	460	U	450	U	330	U
N-Nitroso-di-n-propylamine	400	U	410	U	460	U	450	U	330	U
Hexachloroethane	400	U	410	U	460	U	450	U	330	U
Nitrobenzene	400	U	410	U	460	U	450	U	330	U
Isophorone	400	U	410	U	460	U	450	U	330	U
2-Nitrophenol	400	U	410	U	460	U	450	U	330	U
2,4-Dimethylphenol	400	U	410	U	460	U	450	U	330	U
bis(2-Chloroethoxy)methane	400	U	410	U	460	U	450	U	330	U
2,4-Dichlorophenol	400	U	410	U	460	U	450	U	330	U
Naphthalene	210	J	200	J	460	U	450	U	330	U
4-Chloroaniline	400	U	410	U	460	U	450	U	330	U
Hexachlorobutadiene	400	U	410	U	460	U	450	U	330	U
Caprolactam	400	U	410	U	460	U	450	U	330	U
4-Chloro-3-methylphenol	400	U	410	U	460	U	450	U	330	U
2-Methylnaphthalene	430		890		460	U	450	U	330	U
Hexachlorocyclopentadiene	400	U	410	U	460	U	450	U	330	U
2,4,6-Trichlorophenol	400	U	410	U	460	U	450	U	330	U
2,4,5-Trichlorophenol	1000	U	1000	U	1200	U	1100	U	830	U
1,1'-Biphenyl	400	U	410	U	460	U	450	U	330	U
2-Chloronaphthalene	400	U	410	U	460	U	450	U	330	U
2-Nitroaniline	1000	U	1000	U	1200	U	1100	U	830	U
Dimethylphthalate	400	U	410	U	460	U	450	U	330	U
2,6-Dinitrotoluene	400	U	410	U	460	U	450	U	330	U
Acenaphthylene	400	U	410	U	460	U	450	U	330	U
3-Nitroaniline	1000	U	1000	U	1200	U	1100	U	830	U
Acenaphthene	66	J	120	J	460	U	450	U	330	U

Analytical Results (Qualified Data)

Case # 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab AATSLA
Reviewer :
Date :

Sample Number	E0032		E0033		E0034		E0035		SBLKFE	
Sampling Location	X111		X112		X113		X114			
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	05/23/2001		05/23/2001		05/23/2001		05/23/2001			
Time Sampled	08:50		09:00		09:40		10:30			
%Moisture	18		19		28		26		N/A	
pH	8.7		8.7		7.9		8.3		7.0	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	1000	U	1000	U	1200	U	1100	U	830	U
4-Nitrophenol	1000	U	1000	U	1200	U	1100	U	830	U
Dibenzofuran	400	U	83	J	460	U	450	U	330	U
2,4-Dinitrotoluene	400	U	410	U	460	U	450	U	330	U
Diethylphthalate	400	U	410	U	460	U	450	U	330	U
Fluorene	93	J	110	J	460	U	450	U	330	U
4-Chlorophenyl-phenyl ether	400	U	410	U	460	U	450	U	330	U
4-Nitroaniline	1000	U	1000	U	1200	U	1100	U	830	U
4,6-Dinitro-2-methylphenol	1000	U	1000	U	1200	U	1100	U	830	U
N-Nitrosodiphenylamine	400	U	410	U	460	U	450	U	330	U
4-Bromophenyl-phenylether	400	U	410	U	460	U	450	U	330	U
Hexachlorobenzene	400	U	410	U	460	U	450	U	330	U
Atrazine	400	U	410	U	460	U	450	U	330	U
Pentachlorophenol	1000	U	1000	U	1200	U	1100	U	830	U
Phenanthrene	510		810		460	U	70	J	330	U
Anthracene	86	J	130	J	460	U	450	U	330	U
Carbazole	400	U	57	J	460	U	450	U	330	U
Di-n-butylphthalate	400	U	180	J	460	U	450	U	330	U
Fluoranthene	690		1200		64	J	190	J	330	U
Pyrene	530		990		60	J	170	J	330	U
Butylbenzylphthalate	400	U	340	J	460	U	450	U	330	U
3,3'-Dichlorobenzidine	400	U	410	U	460	U	450	U	330	U
Benzo(a)anthracene	260	J	420		460	U	93	J	330	U
Chrysene	320	J	510		460	U	130	J	330	U
bis(2-Ethylhexyl)phthalate	3200		1700		68	J	450	U	330	U
Di-n-octylphthalate	400	U	410	U	460	U	450	U	330	U
Benzo(b)fluoranthene	280	J	550		460	U	130	J	330	U
Benzo(k)fluoranthene	300	J	410		460	U	100	J	330	U
Benzo(a)pyrene	240	J	440		460	U	93	J	330	U
Indeno(1,2,3-cd)pyrene	78	J	120	J	460	U	450	U	330	U
Dibenzo(a,h)anthracene	400	U	410	U	460	U	450	U	330	U
Benzo(g,h,i)perylene	88	J	120	J	460	U	450	U	330	U

Analytical Results (Qualified Data)

Case # 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	SBLKFF									
Sampling Location :										
Matrix	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :	7.0									
Dilution Factor	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	330	U								
Phenol	330	U								
bis-(2-Chloroethyl) ether	330	U								
2-Chlorophenol	330	U								
2-Methylphenol	330	U								
2,2'-oxybis(1-Chloropropane)	330	U								
Acetophenone	330	U								
4-Methylphenol	330	U								
N-Nitroso-di-n-propylamine	330	U								
Hexachloroethane	330	U								
Nitrobenzene	330	U								
Isophorone	330	U								
2-Nitrophenol	330	U								
2,4-Dimethylphenol	330	U								
bis(2-Chloroethoxy)methane	330	U								
2,4-Dichlorophenol	330	U								
Naphthalene	330	U								
4-Chloroaniline	330	U								
Hexachlorobutadiene	330	U								
Caprolactam	330	U								
4-Chloro-3-methylphenol	330	U								
2-Methylnaphthalene	330	U								
Hexachlorocyclopentadiene	330	U								
2,4,6-Trichlorophenol	330	U								
2,4,5-Trichlorophenol	830	U								
1,1'-Biphenyl	330	U								
2-Chloronaphthalene	330	U								
2-Nitroaniline	830	U								
Dimethylphthalate	330	U								
2,6-Dinitrotoluene	330	U								
Acenaphthylene	330	U								
3-Nitroaniline	830	U								
Acenaphthene	330	U								

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number	SBLKFF									
Sampling Location :										
Matrix	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :	7.0									
Dilution Factor :	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	830	U								
4-Nitrophenol	830	U								
Dibenzofuran	330	U								
2,4-Dinitrotoluene	330	U								
Diethylphthalate	330	U								
Fluorene	330	U								
4-Chlorophenyl-phenyl ether	330	U								
4-Nitroaniline	830	U								
4,6-Dinitro-2-methylphenol	830	U								
N-Nitrosodiphenylamine	330	U								
4-Bromophenyl-phenylether	330	U								
Hexachlorobenzene	330	U								
Atrazine	330	U								
Pentachlorophenol	830	U								
Phenanthrene	330	U								
Anthracene	330	U								
Carbazole	330	U								
Di-n-butylphthalate	330	U								
Fluoranthene	330	U								
Pyrene	330	U								
Butylbenzylphthalate	330	U								
3,3'-Dichlorobenzidine	330	U								
Benzo(a)anthracene	330	U								
Chrysene	330	U								
bis(2-Ethylhexyl)phthalate	330	U								
Di-n-octylphthalate	330	U								
Benzo(b)fluoranthene	330	U								
Benzo(k)fluoranthene	330	U								
Benzo(a)pyrene	330	U								
Indeno(1,2,3-cd)pyrene	330	U								
Dibenzo(a,h)anthracene	330	U								
Benzo(g,h,i)perylene	330	U								

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab : AATSLA
Reviewer :
Date :

Number of Soil Samples : 20
Number of Water Samples : 0

Sample Number :	E0010		E0011		E0014		E0014DL		E0016	
Sampling Location	S102		S101		S103		S103		S104	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:10		11:15		11.55		11:55		12.45	
%Moisture :	68		54		54		54		18	
pH :	7.4		7.8		7.7		7.7		8.1	
Dilution Factor :	1.0		1.0		1.0		10.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	5.3	U	0.63	J	3.7	U	37	U	0.47	J
beta-BHC	30	J	1.6	J	3.7	U	37	U	2.3	
delta-BHC	9.9	J	1.2	J	3.7	U	37	U	1.0	J
gamma-BHC (Lindane)	5.3	U	3.7	U	3.7	U	37	U	2.1	U
Heptachlor	6.5	J	3.7	U	3.9		3.2	J	1.2	J
Aldrin	25	J	1.4	J	0.69	J	37	U	1.3	J
Heptachlor epoxide	5.3	U	3.7	U	3.7	U	37	U	2.1	U
Endosulfan I	1.1	J	0.81	J	1.5	J	37	U	2.1	U
Dieldrin	8.5	J	3.7	J	3.7	J	4.3	J	0.76	J
4,4'-DDE	46	J	13		19		18	J	4.2	
Endrin	1.7	J	7.2	U	7.2	U	72	U	4.0	U
Endosulfan II	10	U	7.2	U	7.2	U	72	U	4.0	U
4,4'-DDD	130	J	40		68		65	J	15	
Endosulfan sulfate	5.9	J	2.7	J	2.8	J	7.0	J	1.5	J
4,4'-DDT	13	J	16		6.7	J	72	U	4.0	U
Methoxychlor	53	U	37	U	37	U	370	U	21	U
Endrin ketone	10	U	7.2	U	7.2	U	72	U	4.0	U
Endrin aldehyde	10	U	7.2	U	7.2	U	72	U	4.0	U
alpha-Chlordane	13	J	2.7	J	11		13	J	0.95	J
gamma-Chlordane	13	J	3.1	J	8.4		9.9	J	1.2	J
Toxaphene	530	U	370	U	370	U	3700	U	210	U
Aroclor-1016	100	U	72	U	72	U	720	U	40	U
Aroclor-1221	210	U	150	U	150	U	1500	U	82	U
Aroclor-1232	100	U	72	U	72	U	720	U	40	U
Aroclor-1242	100	U	72	U	72	U	720	U	40	U
Aroclor-1248	100	U	72	U	72	U	720	U	40	U
Aroclor-1254	100	U	72	U	72	U	720	U	40	U
Aroclor-1260	100	U	72	U	72	U	720	U	40	U

DISCLAIMER This package has been electronically assessed as an added service to our customer It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user Region 5 assumes no responsibility for use of unvalidated data

Analytical Results (Qualified Data)

Case # 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab : AATSLA
Reviewer :
Date :

Sample Number :	E0017		E0018		E0020		E0020DL		E0021	
Sampling Location :	S105		S106		X101		X101		X102	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	13:15		13:15		14:30		14:30		14:50	
%Moisture :	48		22		22		22		5	
pH :	7.4		7.5		7.5		7.5		8.1	
Dilution Factor :	1.0		1.0		1.0		10.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	3.3	U	2.2	U	2.2	U	22	U	0.084	J
beta-BHC	0.64	J	2.2	U	28	J	37	J	0.73	J
delta-BHC	3.3	U	2.2	U	2.2	U	22	U	0.33	J
gamma-BHC (Lindane)	3.3	U	2.2	U	17	J	23	J	1.8	U
Heptachlor	3.3	U	2.2	U	32	J	39	J	1.8	U
Aldrin	3.3	U	2.2	U	28	J	22	J	2.1	
Heptachlor epoxide	3.3	U	2.2	U	2.2	U	22	U	1.8	U
Endosulfan I	0.82	J	0.80	J	0.67	J	22	U	1.8	U
Dieldrin	2.1	J	1.9	J	0.89	J	22	J	0.87	J
4,4'-DDE	11		11		1.6	J	42	U	25	
Endrin	6.4	U	4.2	U	0.55	J	22	J	2.5	J
Endosulfan II	6.4	U	4.2	U	1.2	J	42	U	3.5	U
4,4'-DDD	23		22		2.9	J	1.2	J	83	
Endosulfan sulfate	3.3	J	1.5	J	4.2	U	42	U	0.82	J
4,4'-DDT	13		7.0		5.0	J	26	J	66	
Methoxychlor	33	U	22	U	10	J	220	U	18	U
Endrin ketone	6.4	U	4.2	U	4.2	U	42	U	3.5	U
Endrin aldehyde	6.4	U	4.2	U	4.2	U	42	U	3.5	U
alpha-Chlordane	3.0	J	2.6		2.2	U	22	U	0.86	J
gamma-Chlordane	2.5	J	2.3		1.1	J	22	U	1.0	J
Toxaphene	330	U	220	U	220	U	2200	U	180	U
Aroclor-1016	63	U	42	U	42	U	420	U	35	U
Aroclor-1221	130	U	86	U	86	U	860	U	71	U
Aroclor-1232	63	U	42	U	42	U	420	U	35	U
Aroclor-1242	63	U	42	U	42	U	420	U	35	U
Aroclor-1248	63	U	42	U	42	U	420	U	35	U
Aroclor-1254	63	U	42	U	42	U	420	U	35	U
Aroclor-1260	63	U	42	U	42	U	420	U	35	U

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0021DL		E0022		E0022DL		E0023		E0023DL	
Sampling Location	X102		X103		X103		X104		X104	
Matrix	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	14:50		15:10		15:10		15:30		15:30	
%Moisture :	6		4		4		5		5	
pH .	8.1		8.4		8.4		8.4		8.4	
Dilution Factor :	5.0		1.0		10.0		1.0		5.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	9.0	U	1.8	U	18	U	0.47	J	9.0	U
beta-BHC	9.0	U	1.8	U	18	U	1.8	U	9.0	U
delta-BHC	9.0	U	0.18	J	18	U	1.8	U	9.0	U
gamma-BHC (Lindane)	9.0	U	1.8	U	1.8	J	1.8	U	9.0	U
Heptachlor	9.0	U	0.96	J	3.2	J	0.93	J	9.0	U
Aldrin	1.5	J	1.8	U	18	U	0.63	J	0.92	J
Heptachlor epoxide	9.0	U	1.6	J	18	U	1.8	U	9.0	U
Endosulfan I	9.0	U	1.3	J	18	U	0.22	J	9.0	U
Dieldrin	18	U	3.4	U	6.0	J	1.2	J	1.8	J
4,4'-DDE	22		9.0	J	12	J	3.2	J	3.8	J
Endrin	18	U	3.4	U	3.4	J	1.0	J	3.1	J
Endosulfan II	18	U	0.26	J	0.74	J	3.5	U	17	U
4,4'-DDD	84		3.6	J	5.0	J	4.9		3.7	J
Endosulfan sulfate	0.51	J	18	J	34	U	2.9	J	3.5	J
4,4'-DDT	59		15	J	22	J	6.2		8.0	J
Methoxychlor	90	U	7.1	J	180	U	18	U	89	U
Endrin ketone	18	U	13	J	34	U	3.5	U	17	U
Endrin aldehyde	18	U	8.8	J	34	U	3.5	U	17	U
alpha-Chlordane	9.0	U	12	J	18	U	2.7		9.0	U
gamma-Chlordane	0.77	J	1.8	U	18	U	0.62	J	0.88	J
Toxaphene	900	U	180	U	1800	U	180	U	890	U
Aroclor-1016	180	U	34	U	340	U	35	U	170	U
Aroclor-1221	360	U	70	U	700	U	71	U	350	U
Aroclor-1232	180	U	34	U	340	U	35	U	170	U
Aroclor-1242	180	U	34	U	340	U	35	U	170	U
Aroclor-1248	180	U	34	U	340	U	35	U	170	U
Aroclor-1254	180	U	34	U	340	U	35	U	170	U
Aroclor-1260	180	U	34	U	340	U	35	U	170	U

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site CLIFFS CONTAINER
Lab AATSLA
Reviewer
Date

Sample Number	E0026		E0027		E0028		E0029		E0029DL	
Sampling Location	X105		X106		X107		X108		X108	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled	15:40		16:00		16:20		16:20		16:20	
%Moisture :	22		30		21		16		16	
pH :	7.3		7.5		7.6		7.2		7.2	
Dilution Factor	1.0		1.0		1.0		1.0		5.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	2.2	U	0.46	J	2.2	U	0.27	J	10	U
beta-BHC	2.2	U	2.4	U	2.2	U	2.0	U	10	U
delta-BHC	2.2	U	2.4	U	2.2	U	2.0	U	10	U
gamma-BHC (Lindane)	2.2	U	2.4	U	2.2	U	2.0	U	2.3	J
Heptachlor	2.2	U	2.4	U	2.2	U	2.0	U	2.6	J
Aldrin	0.51	J	0.34	J	2.2	U	2.0	U	2.1	J
Heptachlor epoxide	2.2	U	2.4	U	2.2	U	2.0	U	10	U
Endosulfan I	2.2	U	2.4	U	2.2	U	2.0	U	10	U
Dieldrin	1.8	J	1.2	J	0.72	J	2.7	J	7.9	J
4,4'-DDE	20		2.7	J	4.6		7.9		7.8	J
Endrin	4.2	U	4.7	U	4.2	U	1.4	J	4.5	J
Endosulfan II	4.2	U	4.7	U	4.2	U	3.9	U	20	U
4,4'-DDD	15		2.5	J	2.6	J	7.5		7.5	J
Endosulfan sulfate	0.83	J	0.78	J	0.46	J	1.2	J	1.0	J
4,4'-DDT	2.9	J	2.3	J	3.8	J	9.6		13	J
Methoxychlor	22	U	24	U	22	U	20	U	100	U
Endrin ketone	4.2	U	4.7	U	4.2	U	3.9	U	20	U
Endrin aldehyde	4.2	U	4.7	U	4.2	U	3.9	U	20	U
alpha-Chlordane	1.1	J	0.94	J	2.2	U	1.9	J	1.8	J
gamma-Chlordane	1.4	J	0.72	J	0.88	J	1.3	J	1.2	J
Toxaphene	220	U	240	U	220	U	200	U	1000	U
Aroclor-1016	42	U	47	U	42	U	39	U	200	U
Aroclor-1221	86	U	96	U	85	U	80	U	400	U
Aroclor-1232	42	U	47	U	42	U	39	U	200	U
Aroclor-1242	42	U	47	U	42	U	39	U	200	U
Aroclor-1248	42	U	47	U	42	U	39	U	200	U
Aroclor-1254	42	U	47	U	42	U	39	U	200	U
Aroclor-1260	42	U	47	U	42	U	39	U	200	U

Analytical Results (Qualified Data)

Case # 29298 SDG E0010
Site CLIFFS CONTAINER
Lab. AATSLA
Reviewer .
Date .

Sample Number	E0030		E0030MS		E0030MSD		E0031		E0032	
Sampling Location	X109		X109		X109		X110		X111	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/23/2001		05/23/2001		05/23/2001		05/23/2001		05/23/2001	
Time Sampled :	08:20		08:20		08.20		08:35		08:50	
%Moisture :	24		24		24		22		18	
pH :	7.9		7.9		7 9		8.8		8.7	
Dilution Factor	1 0		1 0		1 0		1 0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	2.2	U	0.41	J	2.2	U	43		1.7	J
beta-BHC	0.67	J	2.2	U	2.2	U	2.2	U	2.1	U
delta-BHC	2.2	U	2.2	U	2.2	U	2.2	U	2.1	U
gamma-BHC (Lindane)	2.2	U	16		15		2.2	U	2.1	U
Heptachlor	0.31	J	19		19		2.2	U	2.1	U
Aldrin	2.2	U	18		18		2.2	U	2.1	U
Heptachlor epoxide	0.33	J	0.49	J	0.68	J	2.2	U	0.51	J
Endosulfan I	2 2	U	2.2	U	0.33	J	2.2	U	2.1	U
Dieldrin	1.2	J	40		39		4.2	U	4.0	U
4 4 -DDE	11		19		19		4.2	U	4 1	
Endrin	0.43	J	35		35		4.2	U	4.0	U
Endosulfan II	1.0	J	2 0	J	1.1	J	4.2	U	4 0	U
4,4'-DDD	6.1		9.1		8.6		4.2	U	6.4	
Endosulfan sulfate	0.77	J	1.5	J	1.5	J	4.2	U	4.0	U
4,4 -DDT	9.8		47		45		4.2	U	1.5	J
Methoxychlor	22	U	4.1	J	22	U	22	U	21	U
Endrin ketone	1.5	J	5.2		5.5		4.2	U	2.0	J
Endrin aldehyde	1.5	J	3 5	J	3.6	J	4.2	U	1.1	J
alpha-Chlordane	2.2	U	2.5		0.87	J	2.2	U	0.61	J
gamma-Chlordane	0.38	J	1.2	J	0 98	J	2.2	U	0.65	J
Toxaphene	220	U	220	U	220	U	220	U	210	U
Aroclor-1016	43	U	43	U	43	U	42	U	40	U
Aroclor-1221	88	U	88	U	88	U	86	U	82	U
Aroclor-1232	43	U	43	U	43	U	42	U	40	U
Aroclor-1242	43	U	43	U	43	U	42	U	40	U
Aroclor-1248	43	U	43	U	43	U	42	U	40	U
Aroclor-1254	43	U	43	U	43	U	42	U	40	U
Aroclor-1260	43	U	43	U	43	U	42	U	40	U

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0010
Site : CLIFFS CONTAINER
Lab. AATSLA
Reviewer :
Date :

Sample Number	E0033		E0034		E0035		PBLKA		PBLKB	
Sampling Location :	X112		X113		X114					
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/23/2001		05/23/2001		05/23/2001					
Time Sampled :	09:00		09:40		10.30					
%Moisture :	19		28		26		N/A		N/A	
pH :	8.7		7.9		8.2		7.0		7.0	
Dilution Factor	1.0		1 0		1 0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	5.4		2.4	U	2.3	U	1.7	U	1.7	U
beta-BHC	2.1	U	2.4	U	2.3	U	1 7	U	1.7	U
delta-BHC	2.1	U	2.4	U	2.3	U	1.7	U	1.7	U
gamma-BHC (Lindane)	2.1	U	2.4	U	2 3	U	1.7	U	1.7	U
Heptachlor	2.1	U	2.4	U	2.3	U	1.7	U	1.7	U
Aldrin	2.1	U	2.4	U	0.21	J	1.7	U	1.7	U
Heptachlor epoxide	0.53	J	0.82	J	0.42	J	0.26	J	1.7	U
Endosulfan I	2 1	U	2.4	U	2.3	U	1.7	U	1.7	U
Dieldrin	12		1.2	J	3.6	J	3.3	U	3.3	U
4 4'-DDE	12		11		5 9		0.11	J	3.3	U
Endrin	1.4	J	0.72	J	4.5	U	3.3	U	3.3	U
Endosulfan II	4 1	U	4.6	U	0.94	J	3 3	U	3.3	U
4,4'-DDD	8.0		4.9		5.2		3.3	U	3.3	U
Endosulfan sulfate	4 9		0.60	J	0.93	J	3.3	U	3.3	U
4 4'-DDT	4 1	U	19		3.1	J	0.29	J	0.047	J
Methoxychlor	8 5	J	24	U	23	U	1.1	J	0.32	J
Endrin ketone	4.4		1.1	J	1.3	J	0.37	J	0.12	J
Endrin aldehyde	11		1.6	J	1 1	J	0 76	J	3 3	U
alpha-Chlordane	1.8	J	0.61	J	2.3	U	1.7	U	1.7	U
gamma-Chlordane	7 4		1.1	J	0.56	J	1.7	U	1.7	U
Toxaphene	210	U	240	U	230	U	170	U	170	U
Aroclor-1016	41	U	46	U	45	U	33	U	33	U
Aroclor-1221	83	U	93	U	91	U	67	U	67	U
Aroclor-1232	41	U	46	U	45	U	33	U	33	U
Aroclor-1242	41	U	46	U	45	U	33	U	33	U
Aroclor-1248	41	U	46	U	45	U	33	U	33	U
Aroclor-1254	840		46	U	45	U	33	U	33	U
Aroclor-1260	41	U	46	U	45	U	33	U	33	U

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 6-15-01

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: CLIFF'S CONTAINER (IL)

CASE NUMBER: 29298 SDG NUMBER: E0010

Number and Type of Samples: 20 (SOIL)

Sample Numbers: E0010-11, E0014, E0016-18, E0020-23, E0026-35

Laboratory: ATS Hrs for Review:

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

AATSLA

Sample Delivery Group (SDG) Cover Sheet

SDG Number: E0010

Laboratory Name:	American Analytical & Technical Services, Incorporated	Laboratory Code	AATSLA
Contract No.	68-W0-0078	Case No.	29298
Analysis Price	$594.00	SDG Turnaround	21 Days

EPA Sample Numbers in SDG (Listed in Numberical Order)

1)	E0010	7)	E0020	13)	E0028	19)	E0034
2)	E0011	8)	E0021	14)	E0029	20)	E0035
3)	E0014	9)	E0022	15)	E0030	21)	
4)	E0016	10)	E0023	16)	E0031	22)	
5)	E0017	11)	E0026	17)	E0032	23)	
	E0018	12)	E0027	18)	E0033	24)	

E0010	E0035
First Sample in SDG	Last Sample in SDG
05/23/01	05/24/01
First Sample Receipt Date	Last Sample Receipt Date

Note: There are a maximum of 20 **field** samples (**excluding** PE samples) in an SDG. Attach TRs to this form in alphanumeric order (the order listed above on this form).

Signature Nancy LeBlanc Date 05/29/01

6°C

U('A Contract Laboratory Program
Organic Traffic Report

Case No:	29298
DAS No:	
SDG No:	

L

Date Shipped: 5/22/01 Carrier Name: FedEx Airbill: 4684285152 Shipped to: American Analytical & Technical Services (AATSLA) 11950 Industriplex Blvd. Baton Rouge LA 70809 (225) 753-8650	Date Received/Received by: Lab Contract No: Unit Price: Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): Tony Wasilewski Relinquished By: [signature] Date / Time: 5-22/1700 Received By: [signature] Relinquished By: Date / Time: Received By: Relinquished By: Date / Time: 5/23/01 1030 Received By: [signature]	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0010	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43472, 5-43473 (2)	S102	5/22/01 11:10	ME0010	1 32oz, 2-2oz
E0011	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43476, 5-43477 (2)	S101	5/22/01 11:15	ME0011	" "
E0013	Ground Water/ Tony Wasilewski	L/G	BNA (21), PEST (21), VOA (21)	5-43481 (Ice Only), 5-43482, 5-43483 (HCL), 5-43484 (HCL) (4)	G101	5/22/01 11:55	ME0013	2 gal 2 vial
E0014	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43487, 5-43488 (2)	S103	5/22/01 11:55	ME0014	1 32oz, 2-2oz
E0016	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43491, 5-43492 (2)	S104	5/22/01 12:45	ME0016	
E0017	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43495, 5-43496 (2)	S105	5/22/01 13:15	ME0017	
E0018	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43499, 5-43500 (2)	S106	5/22/01 13:15	ME0018	
E0019	Ground Water/ Tony Wasilewski	L/G	BNA (21), PEST (21), VOA (21)	5-43264, 5-43265, 5-43266 (HCL), 5-43267 (HCL) (4)	G102	5/22/01 13:30	ME0019	2 gal 2 vial
E0020	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43270, 5-43271 (2)	X101	5/22/01 14:30	ME0020	1 32oz, 1 2oz 3-Encl
E0021	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43274, 5-43275 (2)	X102	5/22/01 14:50	ME0021	
E0022	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43278, 5-43279 (2)	X103	5/22/01 15:10	ME0022	
E0023	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43282, 5-43283 (2)	X104	5/22/01 15:30	ME0023	
E0024	Ground Water/ Tony Wasilewski	L/G	BNA (21), PEST (21), VOA (21)	5-43286, 5-43287, 5-43288 (HCL), 5-43289 (HCL) (4)	FB	5/22/01 15:40	ME0024	2 gal 2 vial

SDG: E0010

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 6°C	Chain of Custody Seal Number: 20078, 20075, 26056
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced?

BNA = CLP TCL Semivolatiles, BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-052201-0003

000045

7°C

U('A Contract Laboratory Program
Organic Traffic Report

Case No:	29298
DAS No:	
SDG No:	L

Date Shipped: 5/22/01 Carrier Name: FedEx Airbill: 4684285152 Shipped to: American Analytical & Technical Services (AATSLA) 11950 Industriplex Blvd. Baton Rouge LA 70809 (225) 753-8650	Date Received/Received by: Lab Contract No: Unit Price: Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): Tony Warlow Relinquished By: Lorne Rouge Relinquished By: Relinquished By:	Date / Time: 5-22 / 1700 Date / Time: Date / Time: 5/23/01 1030
			Received By: [signature] Received By: Received By: [signature]

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0025	Ground Water/ Tony Wasilewski	L/G	VOA (21)	5-43291 (HCL), 5-43293 (HCL) (2)	TB	5/21/01		2 Vials
E0026	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43295, 5-43296 (2)	X105	5/22/01 15:40	ME0026	1 32oz, 1 2oz, 3 encr
E0027	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43299, 5-43300 (2)	X106	5/22/01 16:00	ME0027	
E0028	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43305, 5-43306 (2)	X107	5/22/01 16:20	ME0028	
E0029	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43309, 5-43310 (2)	X108	5/22/01 16:20	ME0029	

SDG: E0010

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 7°C	Chain of Custody Seal Number: 20078, 20075, 26056
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ✓	Shipment Iced?

BNA = CLP TCL Semivolatiles, BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-052201-0003

000046

U('A Contract Laboratory Program
Generic Chain of Custody

Reference Case: 29298
Client No:
SDG No:
L

Date Shipped: 5/22/01 **Carrier Name:** FedEx *Airbill:* *4684285152* **Shipped to:** American Analytical & Technical Services (AATSLA) 11950 Industriplex Blvd. Baton Rouge LA 70809 (225) 753-8650	**Date Received/Received by:** **Lab Contract No:** **Unit Price:** **Transfer To:** **Date Received/Received By:** **Lab Contract No:** **Price:**	**Sampler (Signature):** Tony Wasilewski **Relinquished By:** Sam Rose **Date / Time:** 5-22/1700 **Received By:** **Relinquished By:** **Date / Time:** **Received By:** **Relinquished By:** **Date / Time:** 5/23/01 1030 **Received By:** Allen Stewart	

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
S101	Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43478 (Ice Only) (1)	S101	5/22/01 11:15		
S102	Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43474 (Ice Only) (1)	S102	5/22/01 11:10		
S103	Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43489 (Ice Only) (1)	S103	5/22/01 11:55		
S104	Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43493 (Ice Only) (1)	S104	5/22/01 12:45		
S105	Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43497 (Ice Only) (1)	S105	5/22/01 13:15		
S106	Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43262 (Ice Only) (1)	S106	5/22/01 13:15		
X101	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43272 (Ice Only) (1)	X101	5/22/01 14:30		
X102	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43276 (Ice Only) (1)	X102	5/22/01 14:50		
X103	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43280 (Ice Only) (1)	X103	5/22/01 15.10		
X104	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43284 (Ice Only) (1)	X104	5/22/01 15:30		
X105	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43297 (Ice Only) (1)	X105	5/22/01 15:40		
X106	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43302 (Ice Only) (1)	X106	5/22/01 16:00		
X107	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43307 (Ice Only) (1)	X107	5/22/01 16:20		
X108	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43311 (Ice Only) (1)	X108	5/22/01 16:20		

SDG: ~~E008~~ 0004 E004D

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Cooler Temperature Upon Receipt:** 6°C	**Chain of Custody Seal Number:** 20078, 20075, 26056
Analysis Key: drywt = Dry weight	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Custody Seal Intact?** Y	**Shipment Iced?**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
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TR Number: 5-324306854-052201-0004

000047

U(A Contract Laboratory Program
Generic Chain of Custody

Reference Case: 29298
Client No:
SDG No:
L

Date Shipped: 5/23/01 **Carrier Name:** FedEx **Airbill:** 4684285174 **Shipped to:** American Analytical & Technical Services (AATSLA) 11950 Industriplex Blvd. Baton Rouge LA 70809 (225) 753-8650	**Date Received/Received by:** **Lab Contract No:** **Unit Price:** **Transfer To:** **Date Received/Received By:** **Lab Contract No:** **Price:**	**Sampler (Signature):** Tony Wasilewski **Relinquished By:** Edmund Ruling	**Date / Time:** 5-23 / 1700
		Relinquished By:	**Date / Time:**
		Relinquished By:	**Date / Time:**

Received By:
Received By:
Received By:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
X109	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43315 (Ice Only) (1)	X109	5/23/01 8:20		
X110	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43319 (Ice Only) (1)	X110	5/23/01 8:35		
X111	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43323 (Ice Only) (1)	X111	5/23/01 8:50		
X112	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43327 (Ice Only) (1)	X112	5/23/01 9:00		
X113	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43331 (Ice Only) (1)	X113	5/23/01 9:40		
X114	Soil/Sediment/ Tony Wasilewski	L/G	drywt (21)	5-43335 (Ice Only) (1)	X114	5/23/01 10:30		

SDG: E0010

Shipment for Case Complete? Y	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Cooler Temperature Upon Receipt:**	**Chain of Custody Seal Number:** 26036
Analysis Key: drywt = Dry weight	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G		**Custody Seal Intact?**__ **Shipment Iced?**__

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-052301-0003

000048

U A Contract Laboratory Program
Organic Traffic Report

Case No: 29298
DAS No:
SDG No:
L

Date Shipped: 5/23/01 Carrier Name: FedEx Airbill: 4684285174 Shipped to: American Analytical & Technical Services (AATSLA) 11950 Industriplex Blvd. Baton Rouge LA 70809 (225) 753-8650	Date Received/Received by: Lab Contract No: Unit Price: Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): Tony Wasilewski Relinquished By: Lance L Rang Relinquished By: Relinquished By:	Date / Time: 5-23 / 1700 Date / Time: 5/24/01 1000 Date / Time:
			Received By: Susan Howard Received By: Susan Howard Received By:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0030	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43313, 5-43314 (Ice Only) (2)	X109	5/23/01 8:20	ME0030	6 Encores 1-32 oz 1-2 oz
E0031	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43317, 5-43318 (2)	X110	5/23/01 8:35	ME0031	3 Encores 1-32 oz 1-2 oz
E0032	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43321, 5-43322 (2)	X111	5/23/01 8:50	ME0032	
E0033	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43325, 5-43326 (2)	X112	5/23/01 9:00	ME0033	
E0034	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43329, 5-43330 (2)	X113	5/23/01 9:40	ME0034	
E0035	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43333, 5-43334 (2) all Ice Only	X114	5/23/01 10:30	ME0035	

SDG: E0010 Final - SDG Sample

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: E0030	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 6°C	Chain of Custody Seal Number: 26036
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact?	Shipment Iced?

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
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TR Number: 5-324306854-052301-0002

000049

JUN 1 5 2001

AMERICAN ANALYTICAL & TECHNICAL SERVICES, INC.

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000001

SDG NARRATIVE

Laboratory Name: **AATSLA**, Baton Rouge, LA
Case No.: 29298
SDG No.: E0010
Contract: 68-W0-0078

Samples were received May 23rd and 24th, 2001, for organic analyses following the USEPA Contract Laboratory Program (CLP) Statement of Work (SOW) OLM04.2 and the terms of contract 68W00078. The samples are as listed below in Table I. Also included in this table are pH values obtained from water sample volatile containers measured just following the analysis of each sample (where applicable).

TABLE I

EPA Sample ID:	pH Values
E0010	NA
E0011	NA
E0014	NA
E0016	NA
E0017	NA
E0018	NA
E0020	NA
E0021	NA
E0022	NA
E0023	NA
E0026	NA
E0027	NA
E0028	NA
E0029	NA
E0030	NA
E0030MS	NA
E0030MSD	NA
E0031	NA
E0032	NA
E0033	NA
E0034	NA
E0035	NA

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SDG NARRATIVE

General: The samples of this SDG were received intact and on ice. The temperature of the samples at receipt was recorded as 6 TO 7°C. One of three coolers received did not have a cooler temperature indicator. A non-contact thermometer was used to determine the temperature of that particular ice chest.

Two issues regarding the receipt of these samples are documented on an email accompanying this narrative.

Volatile Organic Analysis:

Most but not all of the samples of this SDG were supplied in 'EnCore' samplers.
Samples E0010, E0011, E0014, E0016, E0017 as well as E0018 were supplied in conventional jars and were analyzed conventionally. The remaining samples supplied in the EnCore samplers were analyzed using the Method 5035 procedure as specified in the SOW. The EnCores were transferred to vials containing 5mls of 20% sodium thiosulfate within twenty four hours of receipt.

All calibration and internal standard control criteria were within contractual limits. Matrix influences affecting surrogates were experienced on nearly every sample. A reanalysis is supplied in each case to document the influences. Precision outliers were observed with the MS/MSD pair of sample FFP33. Matrix influence is evident.

Eighteen additional billable analyses are submitted for VOAs:

E0010 (Reanalysis)
E0011 (Reanalysis)
E0014 (Reanalysis)
E0016 (Reanalysis)
E0017 (Reanalysis)
E0018 (Reanalysis)
E0020 (Reanalysis)
E0022 (Reanalysis)
E0023 (Reanalysis)
E0026 (Reanalysis)
E0027 (Reanalysis)
E0028 (Reanalysis)

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SDG NARRATIVE

E0029 (Reanalysis)
E0032 (Reanalysis)
E0033 (Reanalysis)
E0035 (Reanalysis)
E0031DL (Dilution)

All these analysis were necessary to document matrix influences.

The holding blank had an unusually high level of contamination but it is noted that a 20% sodium thiosulfate vial (EnCore vial) was used to prepare the holding blank.

A 75m x 0.53mm ID, 3μm film DB-624 J&W Bonded, fused silica capillary column was utilized for analysis. Also a 30.5 cm Supelco Purge Trap "I" (VOCARB 4000) consisting of Carbopack C & B/Carboxen 1000 & 1001

Semi-Volatile Organic Analysis:

All calibration, internal standard, and surrogate control criteria were within normal limits. Recovery for N-Nitroso-di-n-propylamine fell outside advisory control limits for the MS of sample E0030. Matrix influence is evident.

Two additional billable analyses are submitted for BNAs.

E0022DL (dilution)
E0027DL (dilution)

These were required to bring target analytes into the instrument calibration range. The originals are submitted for additional value.

Note that some of the GPC detector UV scripts were accidentally discarded.

Column used for semivolatile analysis:
Restek XTI-5 (Bonded fused silica, 5% Phenyl, 95% Methyl silicone), 0.25mm internal diameter, 0.25μm film thickness, 30m length.

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SDG NARRATIVE

Pesticide Organic Analysis:

The Columns used for Pesticide analysis are:

a. CLPESTICII - Restek Proprietary 0.53 mm ID, 30 m length.
b. CLPESTIC - Restek Proprietary 0.53 mm ID, 30 m length

The following samples were submitted at dilutions that follow:

E0022DL - 10X
E0023DL - 5X
E0020DL - 10X
E0029DL - 5X
E0021DL - 5X
E0014DL - 10X

E0022, E0023, E0021DL and E0014DI failed to close twice. The laboratory has submitted the second run in the extraneous document section of this Sample Delivery Group. The failing standards submitted in the data package are PIBLKs, INDAMV and INDBMV.

Qualifications:

Volatile and semivolatile target analytes were evaluated and reported to a quantification report limit of 1.0. Compounds that were detected below this level were assessed only if they otherwise were detected as a TIC.

Note that results for xylenes as presented on quantitation reports are not calculated in accordance to the requirements of the SOW. Corrections in compliance with the SOW are manually generated and are documented on applicable quantitation reports.

Dilutions are generally performed to bring target analytes into instrument calibration range. A second level of dilution may have been reported (if performed) to provide added value. Dilutions performed for other reasons are explained elsewhere in this narrative.

Volatile soil samples analyzed using the Method 5035 technique are indicated by the word "Encore" (or like notation) on the header of the quantification report. Those performed using soil from a jar are those generally analyzed with exact sample weights of 5.0g and the word "jar" written on the quantification report header.

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SDG NARRATIVE

Quantification limits for Encore samples containing more than 5.0 grams are arbitrarily cut off at the CRQL of 10 as required by the SOW.

Manual integrations, if necessary, were performed to correct errors of automated software routines. They are represented by an "m" flag on the quantification reports and are each accompanied by hardcopy graphic displays initialed and dated by the analyst or reviewer performing the manual integration.

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

LeBlanc, Nancy for
John Troost
GC/MS Supervisor
14 June, 2001

JT/nl

John Troost

From: Bauer, Heather [Heather.Bauer@dyncorp.com]
Sent: Thursday, May 24, 2001 3:30 PM
To: Howard Pham (E-mail); Bob Casper (E-mail)
Cc: John Troost (E-mail)
Subject: Region 05 | Case 29298 | Lab AATSLA | SDGs E0010,E0032 | Issue MS/MSD and Cooler sent to Incorrect Lab | FINAL

Importance: High

Howard,
The lab made a mistake, so everything should now be resolved for this issue.

- Heather

Heather Bauer
DynCorp
(703)264-9348

-----Original Message-----
From: John Troost [mailto:jtroost@aatsla.com]
Sent: Thursday, May 24, 2001 4:15 PM
To: Bauer, Heather
Subject: RE: Region 05 | Case 29298 | Lab AATSLA | SDGs E0010,E0032 | Issue MS/MSD and Cooler sent to Incorrect Lab
Importance: High

Heather,
The sampler is correct. I had mistakenly assigned a water sample as a soil.
All is now well.
Thanks for your help.
jt

-----Original Message-----
From: Bauer, Heather [SMTP:Heather.Bauer@dyncorp.com]
Sent: Thursday, May 24, 2001 2:40 PM
To: John Troost (E-mail)
Cc: Howard Pham (E-mail); Bob Casper (E-mail)
Subject: Region 05 | Case 29298 | Lab AATSLA | SDGs E0010,E0032 | Issue MS/MSD and Cooler sent to Incorrect Lab

John,
Following is the resolution from Region 5. Per the Region, the lab can proceed with using sample E0019 for the water MS/MSD. According to the sampler, there should only be 20 soil samples that were sent to the lab. Could you please provide me with the sample IDs for the soil samples that you received. Please note the issues in the case narrative, and let me know if you have any other questions or problems.

Thanks,
Heather

Heather Bauer
DynCorp
(703)264-9348

-----Original Message-----
From: Pham.Howard@epamail.epa.gov [mailto:Pham.Howard@epamail.epa.gov]
Sent: Thursday, May 24, 2001 3:20 PM
To: Bauer, Heather
Subject: Re: Region 05 | Case 29298 | Lab AATSLA | SDGs E0010,E0032 | Issue MS/MSD and Cooler sent to Incorrect Lab

HI Heather,

Please ask the lab proceed the analyses with Lance's resolution and made a note in the case narrative.

Howard Pham

"Bauer, Heather"
<Heather.Bauer@dyncorp.com>
05/24/2001 12:21 PM
Please respond to
"Bauer, Heather"

To: Howard Pham/R5/USEPA/US@EPA
cc:
Subject: Region 05 | Case 29298 | Lab AATSLA | SDGs E0010,E0032 | Issue MS/MSD and Cooler sent to Incorrect Lab

Howard,
Following is the response from the sampler. Please advise on how the lab should proceed.

Thanks,
Heather

Heather Bauer
DynCorp
(703)264-9348

-----Original Message-----
From: Lance Range [mailto:Lance.Range@epa.state.il.us]
Sent: Thursday, May 24, 2001 1:17 PM
To: Bauer, Heather
Subject: Re: Region 05 | Case 29298 | Lab AATSLA | SDGs E0010,E0032 | Issue MS/MSD and Cooler sent to Incorrect Lab

Heather
Looking over my reports, please use E0019 for MS/MSD for the waters. Also, I believe there should only be twenty samples that were sent to AATSLA according to the traffic report. Please let me know if there has been a mistake in shipping a sample to the wrong lab. thanks Lance

>>> "Bauer, Heather" <Heather.Bauer@dyncorp.com> 05/24/01 11:50AM >>>
Following is an e-mail from AATSLA regarding Case 29298. Please advise on how the lab should proceed as quickly as possible.

Thanks,
Heather

Heather Bauer
DynCorp
(703)264-9348

-----Original Message-----
From: John Troost [mailto:jtroost@aatsla.com]
Sent: Thursday, May 24, 2001 12:40 PM
To: Bauer, Heather
Subject: Case 29298/SDGs E0010,E0032
Importance: High

Hello Heather,
Two issues to document with the receipt of this case...

One, we received a cooler of inorganic samples by FedEx in error. The shipping label was addressed to Sentinel in Alabama but the bar code label apparently was coded to AATSLA. The seal was broken and the shipment 're-iced' for a continuation of shipment by FedEx.

Two, There are ultimately twenty-one (21) soils in this case and three (3) waters. QC is indicated on one (1) soil only by the TR. How should we address water QC and an additional soil??

Thank you,
jt

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/13/01 DATA FILE: 151B12.D

SAMPLE ID: E0010 MATRIX: SOIL
LAB ID: 50081.01 DATE ANALYZED: 05/31/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	C01640-89-7	CYCLOPENTANE, ETHYL-	18.45	14

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/13/01 DATA FILE: 152B25.D

SAMPLE ID: E0010RE MATRIX: SOIL
LAB ID: 50081.01RA DATE ANALYZED: 06/01/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	003741-00-2	CYCLOPENTANE, PENTYL-	18.65	40

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/13/01 DATA FILE: 151B13.D

SAMPLE ID: E0011 MATRIX: SOIL
LAB ID: 50081.02 DATE ANALYZED: 05/31/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000293-96-9	CYCLODECANE	18.53	16

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/13/01 DATA FILE: 151B14.D

SAMPLE ID: E0014 MATRIX: SOIL
LAB ID: 50081.04 DATE ANALYZED: 05/31/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000109-66-0	PENTANE	2.65	5
2)	000109-66-0	PENTANE	3.18	4

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/13/01 DATA FILE: 152B28.D

SAMPLE ID: E0016RE MATRIX: SOIL
LAB ID: 50081.05RA DATE ANALYZED: 06/01/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG
1	000293-96-9	CYCLODECANE	18.63	1

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/13/01 DATA FILE: 151B16.D

SAMPLE ID: E0017 MATRIX: SOIL
LAB ID: 50081.06 DATE ANALYZED: 05/31/01

	CAS #	COMPOUND	RT	EST. CONC (UG KG
1)	000078-78-4	BUTANE, 2-METHYL-	2.65	4
2)	000293-96-9	CYCLODECANE	18.58	16

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/13/01 DATA FILE: 152B29.D

SAMPLE ID: E0017RE MATRIX: SOIL
LAB ID: 50081.06RA DATE ANALYZED: 06/01/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	001502-38-1	CYCLOOCTANE, METHYL-	18.56	2

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/13/01 DATA FILE: 152B31.D

SAMPLE ID: E0020RE MATRIX: SOIL
LAB ID: 50081.09RA DATE ANALYZED: 06/01/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000293-96-9	CYCLODECANE	18.59	7

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE:	06/13/01	DATA FILE:	152B35.D
SAMPLE ID:	E0026RE	MATRIX:	SOIL
LAB ID:	50081.15RA	DATE ANALYZED:	06/01/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000110-54-3	HEXANE	5.89	2

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/14/01 DATA FILE: 153B10.D

SAMPLE ID: E0031 MATRIX: SOIL
LAB ID: 50100.04 DATE ANALYZED: 06/02/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000107-83-5	PENTANE, 2-METHYL-	5.13	3
2)	000110-54-3	HEXANE	5.88	4
3)	000096-37-7	CYCLOPENTANE, METHYL-	6.50	3
4)	000584-94-1	HEXANE, 2,3-DIMETHYL-	7.34	3
5)	000589-34-4	HEXANE, 3-METHYL-	7.79	5
6)	000592-27-8	HEPTANE, 2-METHYL-	9.01	8
7)	016789-46-1	HEXANE, 3-ETHYL-2-METHYL-	9.18	2
8)	000624-29-3	CYCLOHEXANE, 1,4-DIMETHYL-, CIS-	9.39	8
9)	001678-91-7	CYCLOHEXANE, ETHYL-	10.45	12
10)	002216-34-4	OCTANE, 4-METHYL-	10.87	6
11)	002216-33-3	OCTANE, 3-METHYL-	11.01	2
12)	002207-03-6	CYCLOHEXANE, 1,3-DIMETHYL-, TRANS-	11.83	3
13)	001678-92-8	CYCLOHEXANE, PROPYL-	12.26	5
[illegible])	017301-94-9	NONANE, 4-METHYL-	12.64	2
[illegible])	000124-18-5	DECANE	13.27	20
16)	001120-21-4	UNDECANE	14.94	18
17)	000112-40-3	DODECANE	16.49	18
18)	017301-23-4	UNDECANE, 2,6-DIMETHYL-	16.69	7
19)	000629-50-5	TRIDECANE	18.05	8
20)	000629-59-4	TETRADECANE	20.13	4

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/14/01 DATA FILE: 164B13.D

SAMPLE ID: E0031DL MATRIX: SOIL
LAB ID: 50100.04DL DATE ANALYZED: 06/13/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000110-54-3	HEXANE	5.90	-

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/14/01 DATA FILE: 152B41.D

SAMPLE ID: E0032 MATRIX: SOIL
LAB ID: 50100.05 DATE ANALYZED: 06/02/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000108-08-7	PENTANE, 2,4-DIMETHYL-	7.17	3
2)	000589-34-4	HEXANE, 3-METHYL-	7.34	2

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/14/01 DATA FILE: 153B16.D

SAMPLE ID: E0033RE MATRIX: SOIL
LAB ID: 50100.06RA DATE ANALYZED: 06/02/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000107-83-5	PENTANE, 2-METHYL-	5.13	2
2)	000096-14-0	PENTANE, 3-METHYL-	5.49	2
3)	000110-54-3	HEXANE	5.89	3
4)	000096-37-7	CYCLOPENTANE, METHYL-	6.49	2
5)	000591-76-4	HEXANE, 2-METHYL-	7.17	7
6)	000589-53-7	HEPTANE, 4-METHYL-	7.34	7
7)	000142-82-5	HEPTANE	7.80	2
8)	000592-27-8	HEPTANE, 2-METHYL-	9.03	1
9)	000638-04-0	CYCLOHEXANE, 1,3-DIMETHYL-, CIS-	9.38	1
10)	001678-91-7	CYCLOHEXANE, ETHYL-	10.46	2
11)	006236-88-0	CYCLOHEXANE, 1-ETHYL-4-METHYL-, TRA	11.84	3
12)	053771-88-3	CYCLOPENTANE, 1-METHYL-3-(1-METHYLE	12.27	4
13)	000629-50-5	TRIDECANE	14.94	12
)	000112-40-3	DODECANE	16.49	27

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/14/01 DATA FILE: 164B16.D

SAMPLE ID: VHBLKBH MATRIX: SOIL
LAB ID: SDG:E0010 DATE ANALYZED: 06/13/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000294-62-2	CYCLODODECANE	18.71	6
2)	065149-85-1	CYCLOHEXANE, 1,1'-[1,2-BIS(1,1-DIME	19.52	1

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 158F21.D

SAMPLE ID: E0010 MATRIX: SOIL
LAB ID: 50081.01 DATE ANALYZED: 06/07/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-62-9	PENTADECANE	10.51	653
2)	014739-72-1	HENEICOSANE, 11-PENTYL-	11.44	1138
3)	007225-64-1	HEPTADECANE, 9-OCTYL-	12.32	2872
4)	055320-06-4	HENEICOSANE, 11-DECYL-	13.12	17135
5)	000297-03-0	CYCLOTETRACOSANE	13.18	5768
6)	014739-72-1	HENEICOSANE, 11-PENTYL-	13.95	13469

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 158F22.D

SAMPLE ID: E0011 MATRIX: SOIL
LAB ID: 50081.02 DATE ANALYZED: 06/07/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	054833-23-7	EICOSANE, 10-METHYL-	10.50	322
2)	013475-77-9	EICOSANE, 9-OCTYL-	11.44	332
3)	054965-61-6	CYCLOHEXANE, 1-(CYCLOHEXYLMETHYL)-4	11.48	1095
4)	000593-49-7	HEPTACOSANE	12.31	820
5)	000630-03-5	NONACOSANE	13.11	2532
6)	055044-77-4	CYCLOPENTANE, (2-HEXYLOCTYL)-	13.17	1626
7)	007225-64-1	HEPTADECANE, 9-OCTYL-	13.95	1370
8)	000112-95-8	EICOSANE	14.98	310

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 158F23.D

SAMPLE ID: E0014 MATRIX: SOIL
LAB ID: 50081.04 DATE ANALYZED: 06/07/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	055682-89-8	CYCLOHEXANE, 1,1',1''-(1-PROPANYL-2	9.40	248
2)	000629-62-9	PENTADECANE	10.51	157
3)	017312-55-9	DECANE, 3,8-DIMETHYL-	11.44	357
4)	007225-64-1	HEPTADECANE, 9-OCTYL-	12.32	567
5)	000630-01-3	HEXACOSANE	13.12	5461
6)	055401-55-3	DOCOSANE, 11-DECYL-	13.95	4035

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 158F24.D

SAMPLE ID: E0016 MATRIX: SOIL
LAB ID: 50081.05 DATE ANALYZED: 06/07/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-99-2	PENTACOSANE	13.10	196
2)	000629-78-7	HEPTADECANE	13.93	224

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 159F03.D

SAMPLE ID: E0017 MATRIX: SOIL
LAB ID: 50081.06 DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	001560-93-6	PENTADECANE, 2-METHYL-	9.47	155
2)	000629-92-5	NONADECANE	10.48	137
3)	054833-23-7	EICOSANE, 10-METHYL-	11.41	234
4)	000593-45-3	OCTADECANE	12.29	573
5)	000638-67-5	TRICOSANE	13.09	2960
6)	000646-31-1	TETRACOSANE	13.93	2765
7)	000112-95-8	EICOSANE	14.94	315

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/14/01 DATA FILE: 159F04.D

SAMPLE ID: E0018 MATRIX: SOIL
LAB ID: 50081.07 DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-94-7	HENEICOSANE	9.47	101
2)	001560-89-0	HEPTADECANE, 2-METHYL-	11.42	146
3)	000593-49-7	HEPTACOSANE	12.29	304
4)	007225-64-1	HEPTADECANE, 9-OCTYL-	13.10	2264
5)	055282-13-8	OCTADECANE, 5,14-DIBUTYL-	13.94	3317
6)	000630-03-5	NONACOSANE	14.95	328

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 159F05.D

SAMPLE ID: E0020 MATRIX: SOIL
LAB ID: 50081.09 DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	7.23	410
2)	000112-95-8	EICOSANE	8.92	105
3)	000629-97-0	DOCOSANE	10.95	144
4)	000593-49-7	HEPTACOSANE	12.27	160
5)	000629-99-2	PENTACOSANE	13.08	230
6)	055044-77-4	CYCLOPENTANE, (2-HEXYLOCTYL)-	13.15	304
7)	054833-23-7	EICOSANE, 10-METHYL-	13.91	256
8)	000593-45-3	OCTADECANE	14.94	111

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 159F06.D

SAMPLE ID: E0021 MATRIX: SOIL
LAB ID: 50081.10 DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	5.18	128
2)	000629-59-4	TETRADECANE	5.32	116
3)	000629-62-9	PENTADECANE	5.94	141
4)	000544-76-3	HEXADECANE	6.57	75
5)	007225-66-3	TRIDECANE, 7-HEXYL-	10.18	177
6)	006418-45-7	NONADECANE, 3-METHYL-	11.42	258

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 159F07.D

SAMPLE ID: E0022 MATRIX: SOIL
LAB ID: 50081.11 DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000112-40-3	DODECANE	4.15	113
2)	000629-50-5	TRIDECANE	4.72	128
3)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	5.18	100
4)	000629-59-4	TETRADECANE	5.32	125

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 159F17.D

SAMPLE ID: E0023 MATRIX: SOIL

LAB ID: 50081.12 DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-59-4	TETRADECANE	5.32	74
2)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	7.23	88
3)	001560-89-0	HEPTADECANE, 2-METHYL-	7.85	100
4)	000112-95-8	EICOSANE	8.93	74
5)	029053-04-1	CYCLOPENTANE, 1-METHYL-3-(2-METHYLP	9.69	124

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 159F09.D

SAMPLE ID: E0026 MATRIX: SOIL
LAB ID: 50081.15 DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	014739-72-1	HENEICOSANE, 11-PENTYL-	12.28	244
2)	000629-99-2	PENTACOSANE	12.69	128
3)	007225-64-1	HEPTADECANE, 9-OCTYL-	13.09	617
4)	000630-01-3	HEXACOSANE	13.92	740
5)	007225-64-1	HEPTADECANE, 9-OCTYL-	14.95	202

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 159F10.D

SAMPLE ID: E0027 MATRIX: SOIL
LAB ID: 50081.16 DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-59-4	TETRADECANE	8.37	117
2)	000629-62-9	PENTADECANE	8.93	123
3)	000629-94-7	HENEICOSANE	9.47	108
4)	013475-77-9	EICOSANE, 9-OCTYL-	12.28	160
5)	000544-76-3	HEXADECANE	13.09	982
6)	000593-49-7	HEPTACOSANE	13.93	459

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 159F18.D

SAMPLE ID: E0027DL MATRIX: SOIL
LAB ID: 50081.16DL DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000593-49-7	HEPTACOSANE	12.28	399
2)	000638-67-5	TRICOSANE	13.92	665

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 159F11.D

SAMPLE ID: E0028 MATRIX: SOIL
LAB ID: 50081.17 DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000630-03-5	NONACOSANE	13.08	214
2)	007225-66-3	TRIDECANE, 7-HEXYL-	13.92	266

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 159F12.D

SAMPLE ID: E0029 MATRIX: SOIL
LAB ID: 50081.18 DATE ANALYZED: 06/08/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-97-0	DOCOSANE	13.08	212
2)	007225-64-1	HEPTADECANE, 9-OCTYL-	13.91	286
3)	007225-64-1	HEPTADECANE, 9-OCTYL-	14.93	101

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 158F12.D

SAMPLE ID: E0030 MATRIX: SOIL
LAB ID: 50100.01 DATE ANALYZED: 06/07/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-78-7	HEPTADECANE	13.94	228

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 158F15.D

SAMPLE ID: E0031 MATRIX: SOIL
LAB ID: 50100.04 DATE ANALYZED: 06/07/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000112-40-3	DODECANE	4.18	1186
2)	001678-98-4	CYCLOHEXANE, (2-METHYLPROPYL)-	4.46	511
3)	005911-04-6	NONANE, 3-METHYL-	4.59	388
4)	000629-50-5	TRIDECANE	4.74	1002
5)	003891-98-3	DODECANE, 2,6,10-TRIMETHYL-	5.21	225
6)	000629-59-4	TETRADECANE	5.34	576
7)	007058-01-7	CYCLOHEXANE, (1-METHYLPROPYL)-	5.71	187
8)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	5.74	353
9)	000544-76-3	HEXADECANE	6.60	888
10)	062108-26-3	DECANE, 2,6,8-TRIMETHYL-	6.91	372
11)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	7.27	457
12)	000593-45-3	OCTADECANE	7.83	404
13)	000629-59-4	TETRADECANE	8.41	536
)	000112-95-8	EICOSANE	8.98	321

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GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 158F16.D

SAMPLE ID: E0032 MATRIX: SOIL
LAB ID: 50100.05 DATE ANALYZED: 06/07/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000112-40-3	DODECANE	4.18	335
2)	003221-61-2	OCTANE, 2-METHYL-	4.58	336
3)	000629-50-5	TRIDECANE	4.74	451
4)	003891-98-3	DODECANE, 2,6,10-TRIMETHYL-	5.21	316
5)	000629-59-4	TETRADECANE	5.34	338
6)	055045-07-3	DODECANE, 2-METHYL-8-PROPYL-	5.73	244
7)	000629-62-9	PENTADECANE	5.97	312
8)	000000-00-0	1-IODO-2-METHYLNONANE	6.59	584
9)	000629-78-7	HEPTADECANE	7.22	263
10)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	7.26	315
11)	000629-59-4	TETRADECANE	7.87	363
12)	000629-92-5	NONADECANE	8.39	205
13)	000112-95-8	EICOSANE	8.95	321
)	055282-16-1	DOCOSANE, 5-BUTYL-	13.11	494
)	000112-95-8	EICOSANE	13.95	299

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 158F17.D

SAMPLE ID: E0033 MATRIX: SOIL
LAB ID: 50100.06 DATE ANALYZED: 06/07/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000112-40-3	DODECANE	4.18	1147
2)	061141-72-8	DODECANE, 4,6-DIMETHYL-	4.59	648
3)	000629-50-5	TRIDECANE	4.75	1487
4)	003891-98-3	DODECANE, 2,6,10-TRIMETHYL-	5.21	457
5)	000629-59-4	TETRADECANE	5.35	1297
6)	002883-05-8	OCTANE, 2-CYCLOHEXYL-	5.71	271
7)	055045-07-3	DODECANE, 2-METHYL-8-PROPYL-	5.74	484
8)	000629-62-9	PENTADECANE	5.98	1095
9)	000544-76-3	HEXADECANE	6.60	817
10)	000629-78-7	HEPTADECANE	7.22	1402
11)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	7.26	733
12)	000593-45-3	OCTADECANE	7.83	599
13)	000638-36-8	HEXADECANE, 2,6,10,14-TETRAMETHYL-	7.89	460
)	000629-92-5	NONADECANE	8.40	514
)	000112-95-8	EICOSANE	8.96	467
16)	000629-94-7	HENEICOSANE	9.51	346
17)	000297-03-0	CYCLOTETRACOSANE	13.17	823
18)	055282-13-8	OCTADECANE, 5,14-DIBUTYL-	13.96	312

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 158F18.D

SAMPLE ID: E0034 MATRIX: SOIL
LAB ID: 50100.07 DATE ANALYZED: 06/07/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-97-0	DOCOSANE	13.10	251
2)	013475-77-9	EICOSANE, 9-OCTYL-	13.94	290

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 06/11/01 DATA FILE: 158F19.D

SAMPLE ID: E0035 MATRIX: SOIL
LAB ID: 50100.08 DATE ANALYZED: 06/07/01

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	014739-72-1	HENEICOSANE, 11-PENTYL-	12.30	173
2)	000630-06-8	HEXATRIACONTANE	12.71	202
3)	007225-64-1	HEPTADECANE, 9-OCTYL-	13.10	648
4)	000297-03-0	CYCLOTETRACOSANE	13.17	467
5)	000593-49-7	HEPTACOSANE	13.50	428
6)	014739-72-1	HENEICOSANE, 11-PENTYL-	13.94	1053
7)	000630-07-9	PENTATRIACONTANE	14.42	753
8)	000630-06-8	HEXATRIACONTANE	14.97	768
9)	007225-64-1	HEPTADECANE, 9-OCTYL-	15.60	1126
10)	000629-78-7	HEPTADECANE	16.32	522
11)	013475-77-9	EICOSANE, 9-OCTYL-	17.16	374
12)	000112-95-8	EICOSANE	18.15	284

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL)	#	SMC2 (BFB)	#	SMC3 (DCE)	#	OTHER	TOT OUT
01	VBLKBQ	107		107		102			0
02	VBLKBU	108		100		105			0
03	VBLKBV	99		95		88			0
04	VBLKBF	97		102		95			0
05	E0010	71	*	40	*	86			2
06	E0011	68	*	44	*	89			2
07	E0014	74	*	47	*	93			2
08	E0016	79	*	68		104			1
09	E0017	57	*	26	*	75			2
10	E0018	53	*	26	*	71			2
11	E0020	58	*	35	*	68	*		3
12	E0021	107		102		120			0
13	E0022	54	*	28	*	71			2
14	E0023	67	*	48	*	79			2
15	E0026	29	*	13	*	54	*		3
16	E0027	54	*	31	*	68	*		3
7	E0010RE	203	*	148	*	157	*		3
8	E0011RE	164	*	138	*	137	*		3
19	E0014RE	159	*	144	*	140	*		3
20	E0016RE	151	*	141	*	137	*		3
21	E0017RE	168	*	145	*	146	*		3
22	E0018RE	163	*	141	*	142	*		3
23	E0020RE	154	*	146	*	137	*		3
24	E0022RE	159	*	147	*	149	*		3
25	E0023RE	148	*	142	*	137	*		3
26	E0026RE	161	*	151	*	151	*		3
27	E0027RE	156	*	127	*	154	*		3
28	E0028	152	*	146	*	140	*		3
29	E0029	208	*	164	*	174	*		3
30	E0032	158	*	139	*	137	*		3

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL)	#	SMC2 (BFB)	#	SMC3 (DCE)	#	OTHER	TOT OUT
01	E0033	146	*	133	*	141	*		3
02	E0034	244	*	203	*	208	*		3
03	E0028RE	23	*	13	*	24	*		3
04	E0029RE	45	*	17	*	36	*		3
05	E0030	31	*	13	*	44	*		3
06	E0034RE	20	*	4	*	17	*		3
07	E0031	60	*	46	*	84			2
08	E0030MS	72	*	47	*	73			2
09	E0030MSD	20	*	7	*	21	*		3
10	E0032RE	59	*	38	*	76			2
11	E0033RE	41	*	33	*	55	*		3
12	E0035	27	*	14	*	45	*		3
13	E0035RE	48	*	30	*	57	*		3
14	E0031DL	99		102		99			0
15	VHBLKBH	98		101		100			0
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17									
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29									
30									

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(84-138)
SMC2 (BFB)	= Bromofluorobenzene	(59-113)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix Spike - EPA Sample NO.: E0030 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	57	0	56	98	59-172
Trichloroethene	57	0	43	75	62-137
Benzene	57	0	47	82	66-142
Toluene	57	1	42	72	59-139
Chlorobenzene	57	0	32	56 *	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	56	50	89	10	22	59-172
Trichloroethene	56	34	61 *	21	24	62-137
Benzene	56	38	68	19	21	66-142
Toluene	56	34	59	20	21	59-139
Chlorobenzene	56	24	43 *	26 *	21	60-133

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

* Values outside of QC limits

RPD: 1 out of 5 outside limits
Spike Recovery: 3 out of 10 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKBF

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Lab File ID: 164B12 Lab Sample ID: SB061301

Date Analyzed: 06/13/01 Time Analyzed: 1837

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HPB

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0031DL	50100.04DL	164B13	1906
02	VHBLKBH	SDG:E0010	164B16	2037
03				
04				
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06				
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKBQ

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Lab File ID: 151B11 Lab Sample ID: SB053101

Date Analyzed: 05/31/01 Time Analyzed: 1434

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HPB

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0010	50081.01	151B12	1505
02	E0011	50081.02	151B13	1534
03	E0014	50081.04	151B14	1604
04	E0016	50081.05	151B15	1633
05	E0017	50081.06	151B16	1703
06	E0018	50081.07	151B17	1733
07	E0020	50081.09	151B18	1803
08	E0021	50081.10	151B19	1833
09	E0022	50081.11	151B20	1902
10	E0023	50081.12	151B21	1932
11	E0026	50081.15	151B22	2002
12	E0027	50081.16	151B23	2031
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKBU

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Lab File ID: 152B24 Lab Sample ID: SB060101

Date Analyzed: 06/01/01 Time Analyzed: 1820

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HPB

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0010RE	50081.01RA	152B25	1849
02	E0011RE	50081.02RA	152B26	1918
03	E0014RE	50081.04RA	152B27	1946
04	E0016RE	50081.05RA	152B28	2015
05	E0017RE	50081.06RA	152B29	2045
06	E0018RE	50081.07RA	152B30	2114
07	E0020RE	50081.09RA	152B31	2143
08	E0022RE	50081.11RA	152B33	2242
09	E0023RE	50081.12RA	152B34	2311
10	E0026RE	50081.15RA	152B35	2340
11	E0027RE	50081.16RA	152B36	0010
12	E0028	50081.17	152B37	0039
13	E0029	50081.18	152B38	0109
14	E0032	50100.05	152B41	0237
15	E0033	50100.06	152B42	0307
16	E0034	50100.07	152B43	0336
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKBV

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Lab File ID: 153B05 Lab Sample ID: SB060201

Date Analyzed: 06/02/01 Time Analyzed: 1350

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HPB

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0028RE	50081.17RA	153B06	1418
02	E0029RE	50081.18RA	153B07	1446
03	E0030	50100.01	153B08	1515
04	E0034RE	50100.07RA	153B09	1543
05	E0031	50100.04	153B10	1611
06	E0030MS	50100.02	153B11	1639
07	E0030MSD	50100.03	153B12	1708
08	E0032RE	50100.05RA	153B13	1736
09	E0033RE	50100.06RA	153B16	1901
10	E0035	50100.08	153B18	1958
11	E0035RE	50100.08RA	153B20	2055
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0010

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.01

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 151B12.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 68 Date Analyzed: 05/31/01

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	30	U
74-87-3	Chloromethane	30	U
75-01-4	Vinyl Chloride	30	U
74-83-9	Bromomethane	30	U
75-00-3	Chloroethane	30	U
75-69-4	Trichlorofluoromethane	30	U
75-35-4	1,1-Dichloroethene	30	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	30	U
67-64-1	Acetone	240	B
75-15-0	Carbon Disulfide	30	U
79-20-9	Methyl Acetate	30	U
75-09-2	Methylene Chloride	45	B
156-60-5	trans-1,2-Dichloroethene	30	U
1634-04-4	Methyl tert-Butyl Ether	30	U
75-34-3	1,1-Dichloroethane	30	U
156-59-2	cis-1,2-Dichloroethene	30	U
78-93-3	2-Butanone	47	
67-66-3	Chloroform	30	U
71-55-6	1,1,1-Trichloroethane	30	U
110-82-7	Cyclohexane	7	BJ
56-23-5	Carbon Tetrachloride	30	U
71-43-2	Benzene	30	U
107-06-2	1,2-Dichloroethane	30	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0010

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.01

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 151B12.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 68 Date Analyzed: 05/31/01

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	30	U
108-87-2	Methylcyclohexane	8	J
78-87-5	1,2-Dichloropropane	30	U
75-27-4	Bromodichloromethane	30	U
10061-01-5	cis-1,3-Dichloropropene	30	U
108-10-1	4-Methyl-2-Pentanone	30	U
108-88-3	Toluene	10	J
10061-02-6	trans-1,3-Dichloropropene	30	U
79-00-5	1,1,2-Trichloroethane	30	U
127-18-4	Tetrachloroethene	30	U
591-78-6	2-Hexanone	30	U
124-48-1	Dibromochloromethane	30	U
106-93-4	1,2-Dibromoethane	30	U
108-90-7	Chlorobenzene	30	U
100-41-4	Ethylbenzene	30	U
1330-20-7	Xylene (total)	30	U
100-42-5	Styrene	30	U
75-25-2	Bromoform	30	U
98-82-8	Isopropylbenzene	30	U
79-34-5	1,1,2,2-Tetrachloroethane	30	U
541-73-1	1,3-Dichlorobenzene	30	U
106-46-7	1,4-Dichlorobenzene	30	U
95-50-1	1,2-Dichlorobenzene	30	U
96-12-8	1,2-Dibromo-3-chloropropane	30	U
120-82-1	1,2,4-Trichlorobenzene	30	U

EPA SAMPLE NO.

E0010

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.01

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 151B12.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 68 Date Analyzed: 05/31/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.52	18	J
2.		UNKNOWN	8.62	18	J
3.		UNKNOWN	8.71	41	J
4.		UNKNOWN	8.81	24	J
5.		UNKNOWN	8.96	42	J
6.		UNKNOWN	18.22	21	J
7.					
8.					
9.					
10.					
11.					
12.					
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26.					
27.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0010RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.01RA

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 152B25.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 68 Date Analyzed: 06/01/01

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	32	U
74-87-3	Chloromethane	32	U
75-01-4	Vinyl Chloride	32	U
74-83-9	Bromomethane	32	U
75-00-3	Chloroethane	32	U
75-69-4	Trichlorofluoromethane	32	U
75-35-4	1,1-Dichloroethene	32	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	32	U
67-64-1	Acetone	260	
75-15-0	Carbon Disulfide	14	J
79-20-9	Methyl Acetate	32	U
75-09-2	Methylene Chloride	19	BJ
156-60-5	trans-1,2-Dichloroethene	32	U
1634-04-4	Methyl tert-Butyl Ether	32	U
75-34-3	1,1-Dichloroethane	32	U
156-59-2	cis-1,2-Dichloroethene	32	U
78-93-3	2-Butanone	32	U
67-66-3	Chloroform	32	U
71-55-6	1,1,1-Trichloroethane	32	U
110-82-7	Cyclohexane	32	U
56-23-5	Carbon Tetrachloride	32	U
71-43-2	Benzene	6	J
107-06-2	1,2-Dichloroethane	32	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0010RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.01RA

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 152B25.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 68 Date Analyzed: 06/01/01

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	32	U
108-87-2	Methylcyclohexane	32	U
78-87-5	1,2-Dichloropropane	32	U
75-27-4	Bromodichloromethane	32	U
10061-01-5	cis-1,3-Dichloropropene	32	U
108-10-1	4-Methyl-2-Pentanone	32	U
108-88-3	Toluene	22	BJ
10061-02-6	trans-1,3-Dichloropropene	32	U
79-00-5	1,1,2-Trichloroethane	32	U
127-18-4	Tetrachloroethene	32	U
591-78-6	2-Hexanone	32	U
124-48-1	Dibromochloromethane	32	U
106-93-4	1,2-Dibromoethane	32	U
108-90-7	Chlorobenzene	32	U
100-41-4	Ethylbenzene	32	U
1330-20-7	Xylene (total)	32	U
100-42-5	Styrene	32	U
75-25-2	Bromoform	32	U
98-82-8	Isopropylbenzene	32	U
79-34-5	1,1,2,2-Tetrachloroethane	32	U
541-73-1	1,3-Dichlorobenzene	32	U
106-46-7	1,4-Dichlorobenzene	32	U
95-50-1	1,2-Dichlorobenzene	32	U
96-12-8	1,2-Dibromo-3-chloropropane	32	U
120-82-1	1,2,4-Trichlorobenzene	32	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0010RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.01RA

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 152B25.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 68 Date Analyzed: 06/01/01

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	13.02	25	BJ
2.		UNKNOWN	15.60	18	J
3.					
4.					
5.					
6.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0011

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.02

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 151B13.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 05/31/01

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	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
67-64-1	Acetone	130	B
75-15-0	Carbon Disulfide	20	U
79-20-9	Methyl Acetate	20	U
75-09-2	Methylene Chloride	33	B
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-Butyl Ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
110-82-7	Cyclohexane	5	BJ
56-23-5	Carbon Tetrachloride	20	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	20	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0011

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.02

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 151B13.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 05/31/01

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

EPA SAMPLE NO.

E0011

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.02

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 151B13.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 05/31/01

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	2.64	14	J
2.		UNKNOWN	3.15	14	J
3.	74-98-6	PROPANE	4.78	11	JN
4.		UNKNOWN	5.14	15	J
5.		UNKNOWN	5.42	14	J
6.					
7.					
8.					
9.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0011RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.02RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 152B26.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 06/01/01

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	21	U
74-87-3	Chloromethane	21	U
75-01-4	Vinyl Chloride	21	U
74-83-9	Bromomethane	21	U
75-00-3	Chloroethane	21	U
75-69-4	Trichlorofluoromethane	21	U
75-35-4	1,1-Dichloroethene	21	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21	U
67-64-1	Acetone	160	
75-15-0	Carbon Disulfide	8	J
79-20-9	Methyl Acetate	21	U
75-09-2	Methylene Chloride	12	BJ
156-60-5	trans-1 2-Dichloroethene	21	U
1634-04-4	Methyl tert-Butyl Ether	21	U
75-34-3	1,1-Dichloroethane	21	U
156-59-2	cis-1,2-Dichloroethene	21	U
78-93-3	2-Butanone	35	
67-66-3	Chloroform	21	U
71-55-6	1,1,1-Trichloroethane	21	U
110-82-7	Cyclohexane	3	BJ
56-23-5	Carbon Tetrachloride	21	U
71-43-2	Benzene	21	U
107-06-2	1,2-Dichloroethane	21	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0011RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.02RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 152B26.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 06/01/01

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	21	U
108-87-2	Methylcyclohexane	3	J
78-87-5	1,2-Dichloropropane	21	U
75-27-4	Bromodichloromethane	21	U
10061-01-5	cis-1,3-Dichloropropene	21	U
108-10-1	4-Methyl-2-Pentanone	21	U
108-88-3	Toluene	5	BJ
10061-02-6	trans-1,3-Dichloropropene	21	U
79-00-5	1,1,2-Trichloroethane	21	U
127-18-4	Tetrachloroethene	21	U
591-78-6	2-Hexanone	21	U
124-48-1	Dibromochloromethane	21	U
106-93-4	1,2-Dibromoethane	21	U
108-90-7	Chlorobenzene	21	U
100-41-4	Ethylbenzene	21	U
1330-20-7	Xylene (total)	21	U
100-42-5	Styrene	21	U
75-25-2	Bromoform	21	U
98-82-8	Isopropylbenzene	21	U
79-34-5	1,1,2,2-Tetrachloroethane	21	U
541-73-1	1,3-Dichlorobenzene	21	U
106-46-7	1,4-Dichlorobenzene	21	U
95-50-1	1,2-Dichlorobenzene	21	U
96-12-8	1,2-Dibromo-3-chloropropane	21	U
120-82-1	1,2,4-Trichlorobenzene	21	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0011RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.02RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 152B26.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 06/01/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.02	12	BJ
2.		UNKNOWN	18.30	12	J
3.		UNKNOWN	18.68	91	J
4.					
5.					
6.					
7.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0014

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B14.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 05/31/01

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	22	U
74-87-3	Chloromethane	22	U
75-01-4	Vinyl Chloride	22	U
74-83-9	Bromomethane	22	U
75-00-3	Chloroethane	22	U
75-69-4	Trichlorofluoromethane	22	U
75-35-4	1,1-Dichloroethene	22	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22	U
67-64-1	Acetone	140	B
75-15-0	Carbon Disulfide	9	J
79-20-9	Methyl Acetate	22	U
75-09-2	Methylene Chloride	42	B
156-60-5	trans-1,2-Dichloroethene	22	U
1634-04-4	Methyl tert-Butyl Ether	22	U
75-34-3	1,1-Dichloroethane	22	U
156-59-2	cis-1,2-Dichloroethene	22	U
78-93-3	2-Butanone	24	
67-66-3	Chloroform	22	U
71-55-6	1,1,1-Trichloroethane	22	U
110-82-7	Cyclohexane	22	U
56-23-5	Carbon Tetrachloride	22	U
71-43-2	Benzene	22	U
107-06-2	1,2-Dichloroethane	22	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0014

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B14.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 05/31/01

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	22	U
108-87-2	Methylcyclohexane	5	J
78-87-5	1,2-Dichloropropane	22	U
75-27-4	Bromodichloromethane	22	U
10061-01-5	cis-1,3-Dichloropropene	22	U
108-10-1	4-Methyl-2-Pentanone	22	U
108-88-3	Toluene	4	J
10061-02-6	trans-1,3-Dichloropropene	22	U
79-00-5	1,1,2-Trichloroethane	22	U
127-18-4	Tetrachloroethene	22	U
591-78-6	2-Hexanone	22	U
124-48-1	Dibromochloromethane	22	U
106-93-4	1,2-Dibromoethane	22	U
108-90-7	Chlorobenzene	22	U
100-41-4	Ethylbenzene	22	U
1330-20-7	Xylene (total)	22	U
100-42-5	Styrene	22	U
75-25-2	Bromoform	22	U
98-82-8	Isopropylbenzene	22	U
79-34-5	1,1,2,2-Tetrachloroethane	22	U
541-73-1	1,3-Dichlorobenzene	22	U
106-46-7	1,4-Dichlorobenzene	22	U
95-50-1	1,2-Dichlorobenzene	22	U
96-12-8	1,2-Dibromo-3-chloropropane	22	U
120-82-1	1,2,4-Trichlorobenzene	22	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0014

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B14.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 05/31/01

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	5.11	22	J
2.		UNKNOWN	10.07	15	J
3.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	13.00	19	JN
4.		UNKNOWN	18.25	16	J
5.		UNKNOWN	18.64	61	J
6.					
7.					
8.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0014RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04RA

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 152B27.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 06/01/01

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0014RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04RA

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 152B27.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 06/01/01

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	22	U
108-87-2	Methylcyclohexane	22	U
78-87-5	1,2-Dichloropropane	22	U
75-27-4	Bromodichloromethane	22	U
10061-01-5	cis-1,3-Dichloropropene	22	U
108-10-1	4-Methyl-2-Pentanone	22	U
108-88-3	Toluene	5	BJ
10061-02-6	trans-1,3-Dichloropropene	22	U
79-00-5	1,1,2-Trichloroethane	22	U
127-18-4	Tetrachloroethene	22	U
591-78-6	2-Hexanone	22	U
124-48-1	Dibromochloromethane	22	U
106-93-4	1,2-Dibromoethane	22	U
108-90-7	Chlorobenzene	22	U
100-41-4	Ethylbenzene	22	U
1330-20-7	Xylene (total)	22	U
100-42-5	Styrene	22	U
75-25-2	Bromoform	22	U
98-82-8	Isopropylbenzene	22	U
79-34-5	1,1,2,2-Tetrachloroethane	22	U
541-73-1	1,3-Dichlorobenzene	22	U
106-46-7	1,4-Dichlorobenzene	22	U
95-50-1	1,2-Dichlorobenzene	22	U
96-12-8	1,2-Dibromo-3-chloropropane	22	U
120-82-1	1,2,4-Trichlorobenzene	22	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0014RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04RA

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 152B27.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 54 Date Analyzed: 06/01/01

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

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0016

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.05

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 151B15.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 18 Date Analyzed: 05/31/01

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	71	B
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	19	B
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	2	BJ
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.

E0016

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.05

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 151B15.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 18 Date Analyzed: 05/31/01

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	3	J
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	3	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)	2	J
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.

E0016

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.05

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 151B15.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 18 Date Analyzed: 05/31/01

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	5.13	9	J
2.		UNKNOWN	10.07	5	J
3.		UNKNOWN	13.01	5	BJ
4.	112-42-5	1-UNDECANOL	18.57	41	JN
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0016RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.05RA

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 152B28.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 18 Date Analyzed: 06/01/01

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	50	
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	8	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.

E0016RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.05RA

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 152B28.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 18 Date Analyzed: 06/01/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	3	J
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	3	BJ
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

EPA SAMPLE NO.

E0016RE

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.05RA

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 152B28.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 18 Date Analyzed: 06/01/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0017

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.06

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 151B16.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 48 Date Analyzed: 05/31/01

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	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
67-64-1	Acetone	130	B
75-15-0	Carbon Disulfide	4	J
79-20-9	Methyl Acetate	20	U
75-09-2	Methylene Chloride	32	B
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-Butyl Ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
110-82-7	Cyclohexane	4	BJ
56-23-5	Carbon Tetrachloride	20	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	20	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0017

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.06

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 151B16.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 48 Date Analyzed: 05/31/01

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0017

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.06

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 151B16.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 48 Date Analyzed: 05/31/01

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	5.14	14	J
2.		UNKNOWN	5.50	19	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0017RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.06RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 152B29.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 48 Date Analyzed: 06/01/01

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	18	U
74-87-3	Chloromethane	18	U
75-01-4	Vinyl Chloride	18	U
74-83-9	Bromomethane	18	U
75-00-3	Chloroethane	18	U
75-69-4	Trichlorofluoromethane	18	U
75-35-4	1,1-Dichloroethene	18	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18	U
67-64-1	Acetone	50	
75-15-0	Carbon Disulfide	5	J
79-20-9	Methyl Acetate	18	U
75-09-2	Methylene Chloride	8	BJ
156-60-5	trans-1,2-Dichloroethene	18	U
1634-04-4	Methyl tert-Butyl Ether	18	U
75-34-3	1,1-Dichloroethane	18	U
156-59-2	cis-1,2-Dichloroethene	18	U
78-93-3	2-Butanone	18	U
67-66-3	Chloroform	18	U
71-55-6	1,1,1-Trichloroethane	18	U
110-82-7	Cyclohexane	4	BJ
56-23-5	Carbon Tetrachloride	18	U
71-43-2	Benzene	18	U
107-06-2	1,2-Dichloroethane	18	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0017RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.06RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 152B29.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 48 Date Analyzed: 06/01/01

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0017RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.06RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 152B29.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 48 Date Analyzed: 06/01/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0018

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B17.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 05/31/01

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	',1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	cetone	93	B
75-15-0	arbon Disulfide	2	J
79-20-9	ethyl Acetate	13	U
75-09-2	thy ne Chloride	19	B
156-60-5	ans ,2-Dichloroethene	13	U
1634-04-4	thyl tert-Butyl Ether	13	U
75-34-3	-Dichloroethane	13	U
156-59-2	s-1,2-Dichloroethene	13	U
78-93-3	Butanone	13	U
67-66-3	hloroform	13	U
71-55-6	, ,1-Trichloroethane	13	U
110-82-7	y lohexane	13	U
56-23-5	arbon Tetrachloride	13	U
71-43-2	e zene	13	U
107-06-2	1, Dichloroethane	13	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0018

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B17.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 05/31/01

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	3	J
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	3	J
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0018

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B17.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 05/31/01

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	2.14	16	J
2.		UNKNOWN	2.62	10	J
3.		UNKNOWN	3.19	9	J
4.		UNKNOWN	18.64	22	J
5.					
6.					
7.					
8.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0018RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.07RA

Sample wt/vol: 6.3 (g/mL) G Lab File ID: 152B30.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 06/01/01

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	32	
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	6	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	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.

E0018RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.07RA

Sample wt/vol: 6.3 (g/mL) G Lab File ID: 152B30.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 06/01/01

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	2	J
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	3	BJ
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)	1	J
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.

E0018RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.07RA

Sample wt/vol: 6.3 (g/mL) G Lab File ID: 152B30.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 06/01/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	12.99	5	BJ
2.					
3.					
4.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0020

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 151B18.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 05/31/01

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	45	B
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	8	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	2	J
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0020

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 151B18.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 05/31/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	2	J
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	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.

E0020

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 151B18.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 05/31/01

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	2.65	6	J
2.		UNKNOWN	5.95	13	J
3.		UNKNOWN	13.00	17	BJ
4.		UNKNOWN	15.57	7	J
5.	872-05-9	1-DECENE	18.58	32	JN
6.					
7.					
8.					
9.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0020RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09RA

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 152B31.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 06/01/01

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	79	
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	7	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.

E0020RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09RA

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 152B31.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 06/01/01

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	2	J
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.

E0020RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09RA

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 152B31.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 06/01/01

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	5.56	9	J
2.		UNKNOWN	5.95	7	J
3.		UNKNOWN	12.98	20	BJ
4.		UNKNOWN	15.55	7	J
5.					
6.					
7.					
8.					
9.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0021

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.10

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 151B19.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 6 Date Analyzed: 05/31/01

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	43	B
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	11	B
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.

E0021

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.10

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 151B19.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 6 Date Analyzed: 05/31/01

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	0.9	J
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	2	J
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.

E0021

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.10

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 151B19.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 6 Date Analyzed: 05/31/01

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	13.00	18	BJ
2.		UNKNOWN	15.55	6	J
3.					
4.					
5.					
6.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0022

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 151B20.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 4 Date Analyzed: 05/31/01

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	64	B
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	10	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	19	
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.

E0022

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 151B20.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 4 Date Analyzed: 05/31/01

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	1	J
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	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.

E0022

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 151B20.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 4 Date Analyzed: 05/31/01

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.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	13.00	26	JN
2.		UNKNOWN	15.56	9	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0022RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11RA

Sample wt/vol: 4.6 (g/mL) G Lab File ID: 152B33.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 4 Date Analyzed: 06/01/01

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	130	
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	9	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.

E0022RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11RA

Sample wt/vol: 4.6 (g/mL) G Lab File ID: 152B33.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 4 Date Analyzed: 06/01/01

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	2	BJ
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.

E0022RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11RA

Sample wt/vol: 4.6 (g/mL) G Lab File ID: 152B33.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 4 Date Analyzed: 06/01/01

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.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	13.02	25	JN
2.		UNKNOWN	15.58	11	J
3.					
4.					
5.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0023

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12

Sample wt/vol: 5.9 (g/mL) G Lab File ID: 151B21.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 5 Date Analyzed: 05/31/01

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	22	B
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	8	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	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.

E0023

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12

Sample wt/vol: 5.9 (g/mL) G Lab File ID: 151B21.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 5 Date Analyzed: 05/31/01

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	3	J
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	2	J
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.

E0023

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12

Sample wt/vol: 5.9 (g/mL) G Lab File ID: 151B21.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 5 Date Analyzed: 05/31/01

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	5.91	6	J
2.		UNKNOWN	13.01	17	BJ
3.		UNKNOWN	15.57	7	J
4.					
5.					
6.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0023RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12RA

Sample wt/vol: 6.1 (g/mL) G Lab File ID: 152B34.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 5 Date Analyzed: 06/01/01

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	37	
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	6	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	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.

E0023RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12RA

Sample wt/vol: 6.1 (g/mL) G Lab File ID: 152B34.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 5 Date Analyzed: 06/01/01

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	2	J
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	2	BJ
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.

E0023RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12RA

Sample wt/vol: 6.1 (g/mL) G Lab File ID: 152B34.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 5 Date Analyzed: 06/01/01

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	13.02	18	BJ
2.		UNKNOWN	15.58	6	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0026

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.15

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 151B22.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 05/31/01

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	65	B
75-15-0	Carbon Disulfide	1	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	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	1	J
78-93-3	2-Butanone	15	
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.

E0026

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.15

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 151B22.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 05/31/01

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	4	J
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.

E0026

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.15

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 151B22.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 05/31/01

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.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	13.01	26	JN
2.		UNKNOWN	15.56	10	J
3.					
4.					
5.					
6.					
7.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0026RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.15RA

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 152B35.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 06/01/01

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	140	
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	8	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	2	J
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0026RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.15RA

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 152B35.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 06/01/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	3	J
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	2	BJ
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)	1	J
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0026RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.15RA

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 152B35.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 22 Date Analyzed: 06/01/01

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	5.19	8	J
2.		UNKNOWN	13.01	22	BJ
3.		UNKNOWN	15.58	9	J
4.					
5.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0027

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16

Sample wt/vol: 6.1 (g/mL) G Lab File ID: 151B23.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 30 Date Analyzed: 05/31/01

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	23	B
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	10	BJ
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0027

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16

Sample wt/vol: 6.1 (g/mL) G Lab File ID: 151B23.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 30 Date Analyzed: 05/31/01

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	1	J
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

EPA SAMPLE NO.

E0027

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16

Sample wt/vol: 6.1 (g/mL) G Lab File ID: 151B23.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 30 Date Analyzed: 05/31/01

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	12.97	21	BJ
2.		UNKNOWN	15.56	7	J
3.					
4.					
5.					
6.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0027RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16RA

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 152B36.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 30 Date Analyzed: 06/02/01

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	71	
75-15-0	Carbon Disulfide	1	J
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	8	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.

E0027RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16RA

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 152B36.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 30 Date Analyzed: 06/02/01

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	2	J
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	4	BJ
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)	2	J
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0027RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16RA

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 152B36.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 30 Date Analyzed: 06/02/01

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.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	13.00	24	JN
2.		UNKNOWN	15.57	9	J
3.					
4.					
5.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0028

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.17

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 152B37.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 21 Date Analyzed: 06/02/01

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	50	
75-15-0	Carbon Disulfide	5	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	7	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.

E0028

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.17

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 152B37.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 21 Date Analyzed: 06/02/01

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	BJ
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.

E0028

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.17

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 152B37.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 21 Date Analyzed: 06/02/01

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	13.01	24	BJ
2.		UNKNOWN	15.56	10	J
3.					
4.					
5.					
6.					
7.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0028RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.17RA

Sample wt/vol: 5.9 (g/mL) G Lab File ID: 153B06.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 21 Date Analyzed: 06/02/01

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	30	B
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	6	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.

E0028RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.17RA

Sample wt/vol: 5.9 (g/mL) G Lab File ID: 153B06.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 21 Date Analyzed: 06/02/01

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0028RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.17RA

Sample wt/vol: 5.9 (g/mL) G Lab File ID: 153B06.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 21 Date Analyzed: 06/02/01

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.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	13.02	28	JN
2.		UNKNOWN	15.58	9	J
3.					
4.					
5.					
6.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0029

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 152B38.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 16 Date Analyzed: 06/02/01

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	51	
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	7	BJ
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0029

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 152B38.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 16 Date Analyzed: 06/02/01

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	2	BJ
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.

E0029

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 152B38.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 16 Date Analyzed: 06/02/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.02	28	BJ
2.		UNKNOWN	15.57	11	J
3.	2437-56-1	1-TRIDECENE	18.53	6	JN
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0029RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 153B07.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 16 Date Analyzed: 06/02/01

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	28	B
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	7	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.

E0029RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 153B07.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 16 Date Analyzed: 06/02/01

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0029RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 153B07.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: not dec. 16 Date Analyzed: 06/02/01

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.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	12.99	28	JN
2.		UNKNOWN	15.58	10	J
3.					
4.					
5.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.01

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 153B08.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 24 Date Analyzed: 06/02/01

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	37	B
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	10	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.

E0030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.01

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 153B08.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 24 Date Analyzed: 06/02/01

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	1	J
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	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.

E0030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.01

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 153B08.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 24 Date Analyzed: 06/02/01

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.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	13.03	34	JN
2.		UNKNOWN	15.57	10	J
3.					
4.					
5.					
6.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.02

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 153B11.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 24 Date Analyzed: 06/02/01

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	56	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	45	B
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	10	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	47	
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.02

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 153B11.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 24 Date Analyzed: 06/02/01

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	43	
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	42	
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	32	
100-41-4	Ethylbenzene	2	J
1330-20-7	Xylene (total)	5	J
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.03

Sample wt/vol: 5.9 (g/mL) G Lab File ID: 153B12.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 24 Date Analyzed: 06/02/01

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	50	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	44	B
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	9	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	38	
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.03

Sample wt/vol: 5.9 (g/mL) G. Lab File ID: 153B12.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 24 Date Analyzed: 06/02/01

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	34	
108-87-2	Methylcyclohexane	2	J
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	34	
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	24	
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.04

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 153B10.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 23 Date Analyzed: 06/02/01

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	3	J
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	27	
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	110	B
75-15-0	Carbon Disulfide	4	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	18	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	18	
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	49	
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	6	J
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.04

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 153B10.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 23 Date Analyzed: 06/02/01

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	7	J
108-87-2	Methylcyclohexane	20	
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	360	E
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	1	J
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	200	
1330-20-7	Xylene (total)	890	E
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	17	
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.

E0031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.04

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 153B10.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 23 Date Analyzed: 06/02/01

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

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

Number TICs found: 18

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.48	16	J
2.	123-72-8	BUTANAL	6.64	8	JN
3.		UNKNOWN	12.80	52	J
4.		UNKNOWN	13.01	55	BJ
5.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	13.16	67	JN
6.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	13.54	26	JN
7.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	13.77	72	JN
8.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	14.11	21	JN
9.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	14.35	31	JN
10.		UNKNOWN	14.58	57	J
11.		UNKNOWN	14.77	14	J
12.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	15.16	23	JN
13.	99-87-6	BENZENE, 1-METHYL-4-(1-METHY	15.28	7	JN
14.		UNKNOWN	15.71	8	J
15.	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	15.91	41	JN
16.		UNKNOWN	17.10	14	J
17.	1559-81-5	NAPHTHALENE, 1,2,3,4-TETRAHY	18.38	14	JN
18.		UNKNOWN	19.58	44	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.04DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 164B13.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 23 Date Analyzed: 06/13/01

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	65	U
74-87-3	Chloromethane	65	U
75-01-4	Vinyl Chloride	65	U
74-83-9	Bromomethane	65	U
75-00-3	Chloroethane	61	DJ
75-69-4	Trichlorofluoromethane	65	U
75-35-4	1,1-Dichloroethene	65	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	65	U
67-64-1	Acetone	160	BD
75-15-0	Carbon Disulfide	65	U
79-20-9	Methyl Acetate	65	U
75-09-2	Methylene Chloride	86	BD
156-60-5	trans-1,2-Dichloroethene	65	U
1634-04-4	Methyl tert-Butyl Ether	65	U
75-34-3	1,1-Dichloroethane	65	U
156-59-2	cis-1,2-Dichloroethene	65	U
78-93-3	2-Butanone	52	DJ
67-66-3	Chloroform	65	U
71-55-6	1,1,1-Trichloroethane	65	U
110-82-7	Cyclohexane	65	U
56-23-5	Carbon Tetrachloride	65	U
71-43-2	Benzene	65	U
107-06-2	1,2-Dichloroethane	65	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.04DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 164B13.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 23 Date Analyzed: 06/13/01

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	65	U
108-87-2	Methylcyclohexane	65	U
78-87-5	1,2-Dichloropropane	65	U
75-27-4	Bromodichloromethane	65	U
10061-01-5	cis-1,3-Dichloropropene	65	U
108-10-1	4-Methyl-2-Pentanone	65	U
108-88-3	Toluene	31	DJ
10061-02-6	trans-1,3-Dichloropropene	65	U
79-00-5	1,1,2-Trichloroethane	65	U
127-18-4	Tetrachloroethene	7	BDJ
591-78-6	2-Hexanone	65	U
124-48-1	Dibromochloromethane	65	U
106-93-4	1,2-Dibromoethane	65	U
108-90-7	Chlorobenzene	65	U
100-41-4	Ethylbenzene	85	D
1330-20-7	Xylene (total)	470	D
100-42-5	Styrene	65	U
75-25-2	Bromoform	65	U
98-82-8	Isopropylbenzene	14	DJ
79-34-5	1,1,2,2-Tetrachloroethane	65	U
541-73-1	1,3-Dichlorobenzene	65	U
106-46-7	1,4-Dichlorobenzene	65	U
95-50-1	1,2-Dichlorobenzene	65	U
96-12-8	1,2-Dibromo-3-chloropropane	65	U
120-82-1	1,2,4-Trichlorobenzene	65	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0031DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.04DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 164B13.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 23 Date Analyzed: 06/13/01

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.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	13.83	71	DJN
2.		UNKNOWN	14.60	120	DJ
3.	112-70-9	1-TRIDECANOL	18.64	50	DJN
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0032

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.05

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 152B41.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 18 Date Analyzed: 06/02/01

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	330	E
75-15-0	Carbon Disulfide	1	J
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11	B
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	83	
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	6	J
107-06-2	1,2-Dichloroethane	11	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0032

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.05

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 152B41.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 18 Date Analyzed: 06/02/01

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	5	J
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (total)	7	J
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	68	
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	3	J
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.

E0032

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.05

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 152B41.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 18 Date Analyzed: 06/02/01

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

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

Number TICs found: 11

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.92	7	J
2.		UNKNOWN	6.49	6	J
3.		UNKNOWN	13.03	44	BJ
4.	620-14-4	BENZENE, 1-ETHYL-3-METHYL-	14.35	26	JN
5.		UNKNOWN	14.60	13	J
6.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	15.28	11	JN
7.	488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	15.84	12	JN
8.		UNKNOWN	16.50	28	J
9.		UNKNOWN	16.67	8	J
10.	2809-64-5	NAPHTHALENE, 1,2,3,4-TETRAHY	18.04	6	JN
11.	90-12-0	NAPHTHALENE, 1-METHYL-	19.93	30	JN
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0032RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.05RA

Sample wt/vol: 6.1 (g/mL) G Lab File ID: 153B13.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 18 Date Analyzed: 06/02/01

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	130	B
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	11	B
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	50	
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	6	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	5	J
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0032RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.05RA

Sample wt/vol: 6.1 (g/mL) G Lab File ID: 153B13.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 18 Date Analyzed: 06/02/01

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	4	J
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	4	J
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)	4	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	52	
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	1	J
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.

E0032RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.05RA

Sample wt/vol: 6.1 (g/mL) G Lab File ID: 153B13.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 18 Date Analyzed: 06/02/01

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	13.02	43	BJ
2.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	14.35	13	JN
3.		UNKNOWN	14.62	8	J
4.	934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	15.85	6	JN
5.		UNKNOWN	16.49	12	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0033

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.06

Sample wt/vol: 3.4 (g/mL) G Lab File ID: 152B42.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 19 Date Analyzed: 06/02/01

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	18	U
74-87-3	Chloromethane	18	U
75-01-4	Vinyl Chloride	18	U
74-83-9	Bromomethane	18	U
75-00-3	Chloroethane	18	U
75-69-4	Trichlorofluoromethane	18	U
75-35-4	1,1-Dichloroethene	18	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18	U
67-64-1	Acetone	970	E
75-15-0	Carbon Disulfide	5	J
79-20-9	Methyl Acetate	18	U
75-09-2	Methylene Chloride	18	B
156-60-5	trans-1,2-Dichloroethene	18	U
1634-04-4	Methyl tert-Butyl Ether	18	U
75-34-3	1,1-Dichloroethane	18	U
156-59-2	cis-1,2-Dichloroethene	18	U
78-93-3	2-Butanone	190	
67-66-3	Chloroform	18	U
71-55-6	1,1,1-Trichloroethane	18	U
110-82-7	Cyclohexane	18	U
56-23-5	Carbon Tetrachloride	18	U
71-43-2	Benzene	6	J
107-06-2	1,2-Dichloroethane	18	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0033

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.06

Sample wt/vol: 3.4 (g/mL) G Lab File ID: 152B42.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 19 Date Analyzed: 06/02/01

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0033

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.06

Sample wt/vol: 3.4 (g/mL) G Lab File ID: 152B42.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 19 Date Analyzed: 06/02/01

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	5.92	12	J
2.		UNKNOWN	6.49	9	J
3.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	13.01	39	JN
4.		UNKNOWN	15.55	22	J
5.	573-98-8	NAPHTHALENE, 1,2-DIMETHYL-	16.83	15	JN
6.		UNKNOWN	18.53	10	J
7.	128-37-0	BUTYLATED HYDROXYTOLUENE	19.93	21	JN
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0033RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.06RA

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 153B16.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 19 Date Analyzed: 06/02/01

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	69	B
75-15-0	Carbon Disulfide	4	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	8	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	3	J
156-59-2	cis-1,2-Dichloroethene	3	J
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.

E0033RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.06RA

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 153B16.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 19 Date Analyzed: 06/02/01

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	7	J
108-87-2	Methylcyclohexane	21	
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	4	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	3	J
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	16	
1330-20-7	Xylene (total)	120	
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	66	
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0033RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.06RA

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 153B16.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 19 Date Analyzed: 06/02/01

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

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

Number TICs found: 12

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	12.79	26	J
2.		UNKNOWN	13.02	99	BJ
3.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	13.16	210	JN
4.	622-96-8	BENZENE, 1-ETHYL-4-METHYL-	13.53	54	JN
5.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	13.78	130	JN
6.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	14.34	37	JN
7.	1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	14.65	61	JN
8.	535-77-3	BENZENE, 1-METHYL-3-(1-METHY	15.17	25	JN
9.	4706-89-2	BENZENE, 2,4-DIMETHYL-1-(1-M	17.09	31	JN
10.		UNKNOWN	18.05	60	J
11.	6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	18.39	34	JN
12.	90-12-0	NAPHTHALENE, 1-METHYL-	19.95	67	JN
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0034

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.07

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 152B43.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 28 Date Analyzed: 06/02/01

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	140	
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	19	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	3	J
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	8	J
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0034

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.07

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 152B43.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 28 Date Analyzed: 06/02/01

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	2	J
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0034

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.07

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 152B43.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 28 Date Analyzed: 06/02/01

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	5.92	14	J
2.		UNKNOWN	13.00	45	BJ
3.		UNKNOWN	15.57	19	J
4.	112-70-9	1-TRIDECANOL	18.54	31	JN
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0034RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.07RA

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 153B09.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 28 Date Analyzed: 06/02/01

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	49	B
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	12	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	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	8	J
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.

E0034RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.07RA

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 153B09.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 28 Date Analyzed: 06/02/01

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	2	J
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.

E0034RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.07RA

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 153B09.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 28 Date Analyzed: 06/02/01

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	13.00	38	BJ
2.		UNKNOWN	15.56	12	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
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17.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0035

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.08

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 153B18.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 26 Date Analyzed: 06/02/01

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	57	B
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	12	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.

E0035

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.08

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 153B18.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 26 Date Analyzed: 06/02/01

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	1	J
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0035

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.08

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 153B18.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 26 Date Analyzed: 06/02/01

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.	66-25-1	HEXANAL	10.58	12	JN
2.		UNKNOWN	13.03	33	BJ
3.		UNKNOWN	15.59	12	J
4.	2437-56-1	1-TRIDECENE	18.63	11	JN
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
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27.					
28.					
29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0035RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.08RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 153B20.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 26 Date Analyzed: 06/02/01

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	68	B
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	14	B
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-Butyl Ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon Tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0035RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.08RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 153B20.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 26 Date Analyzed: 06/02/01

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	1	J
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	43	
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0035RE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.08RA

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 153B20.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: not dec. 26 Date Analyzed: 06/02/01

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.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	13.00	32	JN
2.		UNKNOWN	15.57	10	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBQ

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB053101

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B11.D

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

% Moisture: not dec._____ Date Analyzed: 05/31/01

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	14	
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	12	
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	2	J
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.

VBLKBQ

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB053101

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B11.D

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

% Moisture: not dec._____ Date Analyzed: 05/31/01

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.

VBLKBQ

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB053101

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 151B11.D

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

% Moisture: not dec._____ Date Analyzed: 05/31/01

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

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	12.96	5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBU

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB060101

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 152B24.D

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

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

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	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	8	J
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	4	J
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.

VBLKBU

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB060101

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 152B24.D

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

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

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	2	J
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.

VBLKBU

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB060101

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 152B24.D

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

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

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	13.00	6	J
2.		UNKNOWN	18.58	6	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBV

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB060201

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 153B05.D

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

% Moisture: not dec._____ Date Analyzed: 06/02/01

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	14	
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	
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.

VBLKBV

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB060201

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 153B05.D

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

% Moisture: not dec._____ Date Analyzed: 06/02/01

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.

VBLKBV

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB060201

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 153B05.D

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

% Moisture: not dec._____ Date Analyzed: 06/02/01

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.01	5	J
2.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBF

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB061301

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 164B12.D

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

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

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	14	
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	20	
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.

VBLKBF

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB061301

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 164B12.D

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

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

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	4	J
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.

VBLKBF

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SB061301

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 164B12.D

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

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

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.

VHBLKBH

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SDG:E0010

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 164B16.D

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

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

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	20	B
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	25	B
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.

VHBLKBH

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SDG:E0010

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 164B16.D

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

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

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	6	BJ
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

EPA SAMPLE NO.

VHBLKBH

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: SDG:E0010

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 164B16.D

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

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

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKFE	51	55	71	47	35	44	42	43	0
02	SBLKFF	51	55	79	50	39	52	46	47	0
03	E0030	60	64	77	48	29	28	39	53	0
04	E0030MS	35	45	55	39	24 *	35	32	30	1
05	E0030MSD	38	51	60	39	22 *	35	31	28	1
06	E0031	54	62	66	56	49	50	56	53	0
07	E0032	60	71	72	57	43	62	53	51	0
08	E0033	53	69	88	59	45	87	55	46	0
09	E0034	46	60	76	49	37	70	45	40	0
10	E0035	53	60	70	56	44	70	51	48	0
11	E0010	65	86	92	68	55	105	65	55	0
12	E0011	39	54	61	45	34	65	41	32	0
13	E0014	63	75	84	63	56	89	62	57	0
14	E0016	50	57	73	47	43	74	48	46	0
15	E0017	51	65	66	53	43	75	51	45	0
16	E0018	51	65	56	53	48	73	52	44	0
17	E0022	74	84	92	72	69	87	73	67	0
18	E0020	48	62	76	54	44	75	49	41	0
19	E0021	56	69	70	58	50	64	56	53	0
20	E0026	49	63	79	54	45	71	50	44	0
21	E0027	53	62	61	57	50	71	55	49	0
22	E0028	45	60	69	46	33	41	40	40	0
23	E0029	59	72	77	56	43	44	50	56	0
24	E0022DL	76	83	75	78	76	80	75	67	0
25	E0023	62	74	70	62	56	65	62	57	0
26	E0027DL	51	61	63	54	51	69	52	46	0
27										
28										
29										
30										

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

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

3D
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix Spike - EPA Sample NO.: E0030 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3300	0	1300	39	26- 90
2-Chlorophenol	3300	0	1100	33	25-102
N-Nitroso-di-n-prop.(1)	2200	0	830	38 *	41-126
4-Chloro-3-methylphenol	3300	0	1500	45	26-103
Acenaphthene	2200	0	1100	50	31-137
4-Nitrophenol	3300	0	1700	52	11-114
2,4-Dinitrotoluene	2200	0	1200	55	28- 89
Pentachlorophenol	3300	0	1500	45	17-109
Pyrene	2200	260	1500	56	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3300	1400	42	7	35	26- 90
2-Chlorophenol	3300	1100	33	0	50	25-102
N-Nitroso-di-n-prop.(1)	2200	940	43	12	38	41-126
4-Chloro-3-methylphenol	3300	1500	45	0	33	26-103
Acenaphthene	2200	1300	59	17	19	31-137
4-Nitrophenol	3300	2100	64	21	50	11-114
2,4-Dinitrotoluene	2200	1500	68	21	47	28- 89
Pentachlorophenol	3300	1900	58	25	47	17-109
Pyrene	2200	1700	65	15	36	35-142

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

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

* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 1 out of 18 outside limits

Comments:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKFE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Lab File ID: 158F11 Lab Sample ID: MB0530-I

Instrument ID: HPF Date Extracted: 05/30/01

Matrix: (soil/water) SOIL Date Analyzed: 06/07/01

Level:(low/med) LOW Time Analyzed: 1443

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0030	50100.01	158F12	06/07/01
02	E0030MS	50100.02	158F13	06/07/01
03	E0030MSD	50100.03	158F14	06/07/01
04	E0031	50100.04	158F15	06/07/01
05	E0032	50100.05	158F16	06/07/01
06	E0033	50100.06	158F17	06/07/01
07	E0034	50100.07	158F18	06/07/01
08	E0035	50100.08	158F19	06/07/01
09				
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Comments:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKFF

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Lab File ID: 158F20 Lab Sample ID: MB0525-A

Instrument ID: HPF Date Extracted: 05/25/01

Matrix: (soil/water) SOIL Date Analyzed: 06/07/01

Level: (low/med) LOW Time Analyzed: 1538

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0010	50081.01	158F21	06/07/01
02	E0011	50081.02	158F22	06/07/01
03	E0014	50081.04	158F23	06/07/01
04	E0016	50081.05	158F24	06/07/01
05	E0017	50081.06	159F03	06/08/01
06	E0018	50081.07	159F04	06/08/01
07	E0022	50081.11	159F07	06/08/01
08	E0020	50081.09	159F05	06/08/01
09	E0021	50081.10	159F06	06/08/01
10	E0026	50081.15	159F09	06/08/01
11	E0027	50081.16	159F10	06/08/01
12	E0028	50081.17	159F11	06/08/01
13	E0029	50081.18	159F12	06/08/01
14	E0022DL	50081.11DL	159F16	06/08/01
15	E0023	50081.12	159F17	06/08/01
16	E0027DL	50081.16DL	159F18	06/08/01
17				
18				
19				
20				
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Comments:

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0010

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F21.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 68 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1000	U
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)ether	1000	U
95-57-8	2-Chlorophenol	1000	U
95-48-7	2-Methylphenol	1000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1000	U
98-86-2	Acetophenone	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	N-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
105-60-2	Caprolactam	1000	U
59-50-7	4-Chloro-3-methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	2600	U
92-52-4	1,1'-Biphenyl	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	2600	U
131-11-3	Dimethylphthalate	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
208-96-8	Acenaphthylene	1000	U
99-09-2	3-Nitroaniline	2600	U
83-32-9	Acenaphthene	1000	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0010

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F21.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 68 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2600	U
100-02-7	4-Nitrophenol	2600	U
132-64-9	Dibenzofuran	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	2600	U
534-52-1	4,6-Dinitro-2-methylphenol	2600	U
86-30-6	N-Nitrosodiphenylamine (1)	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
1912-24-9	Atrazine	1000	U
87-86-5	Pentachlorophenol	2600	U
85-01-8	Phenanthrene	400	J
120-12-7	Anthracene	340	J
86-74-8	Carbazole	1000	U
84-74-2	Di-n-butylphthalate	330	J
206-44-0	Fluoranthene	2100	
129-00-0	Pyrene	2200	
85-68-7	Butylbenzylphthalate	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1900	
117-81-7	bis(2-Ethylhexyl)phthalate	890	J
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	310	J
53-70-3	Dibenz(a,h)anthracene	1000	U
191-24-2	Benzo(g,h,i)perylene	270	J

(1) Cannot be seperated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0010

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F21.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 68 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 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	2.42	44000	J
2.		UNKNOWN	2.80	1300	BJ
3.		UNKNOWN	2.95	2300	BJ
4.		UNKNOWN	2.99	510	BJ
5.		UNKNOWN	5.20	510	J
6.		UNKNOWN	7.58	380	J
7.		UNKNOWN	8.66	960	J
8.	57-10-3	HEXADECANOIC ACID	8.76	2000	JN
9.		UNKNOWN	9.40	710	J
10.	57-11-4	OCTADECANOIC ACID	9.83	370	JN
11.	243-17-4	11H-BENZO[B]FLUORENE	10.38	640	JN
12.		UNKNOWN	10.99	950	BJ
13.		UNKNOWN	11.07	1400	BJ
14.		UNKNOWN	11.29	2200	J
15.		UNKNOWN	11.50	2400	J
16.		UNKNOWN	11.91	1500	J
17.		UNKNOWN	12.26	980	J
18.		UNKNOWN	12.37	1800	J
19.	7683-64-9	SQUALENE	12.89	8500	JN
20.		UNKNOWN	13.72	2600	J
21.		UNKNOWN	14.19	2600	J
22.		UNKNOWN	14.63	2300	J
23.	14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	15.17	2900	JN
24.	83-47-6	.GAMMA.-SITOSTEROL	15.63	27000	JN
25.		UNKNOWN	15.97	8000	J
26.		UNKNOWN	16.09	9000	J
27.	1058-61-3	STIGMAST-4-EN-3-ONE	16.58	4100	JN
28.		UNKNOWN	17.28	3500	J
29.		UNKNOWN	17.44	5400	J
30.					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0011

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F22.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 54 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	720	U
108-95-2	Phenol	720	U
111-44-4	bis(2-Chloroethyl)ether	720	U
95-57-8	2-Chlorophenol	720	U
95-48-7	2-Methylphenol	720	U
108-60-1	2,2'-oxybis(1-Chloropropane)	720	U
98-86-2	Acetophenone	720	U
106-44-5	4-Methylphenol	720	U
621-64-7	N-Nitroso-di-n-propylamine	720	U
67-72-1	Hexachloroethane	720	U
98-95-3	Nitrobenzene	720	U
78-59-1	Isophorone	720	U
88-75-5	2-Nitrophenol	720	U
105-67-9	2,4-Dimethylphenol	720	U
111-91-1	bis(2-Chloroethoxy)methane	720	U
120-83-2	2,4-Dichlorophenol	720	U
91-20-3	Naphthalene	720	U
106-47-8	4-Chloroaniline	720	U
87-68-3	Hexachlorobutadiene	720	U
105-60-2	Caprolactam	720	U
59-50-7	4-Chloro-3-methylphenol	720	U
91-57-6	2-Methylnaphthalene	720	U
77-47-4	Hexachlorocyclopentadiene	720	U
88-06-2	2,4,6-Trichlorophenol	720	U
95-95-4	2,4,5-Trichlorophenol	1800	U
92-52-4	1,1'-Biphenyl	720	U
91-58-7	2-Chloronaphthalene	720	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	720	U
606-20-2	2,6-Dinitrotoluene	720	U
208-96-8	Acenaphthylene	720	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	720	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0011

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F22.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 54 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	720	U
121-14-2	2,4-Dinitrotoluene	720	U
84-66-2	Diethylphthalate	720	U
86-73-7	Fluorene	720	U
7005-72-3	4-Chlorophenyl-phenylether	720	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	720	U
101-55-3	4-Bromophenyl-phenylether	720	U
118-74-1	Hexachlorobenzene	720	U
1912-24-9	Atrazine	720	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	190	J
120-12-7	Anthracene	720	U
86-74-8	Carbazole	720	U
84-74-2	Di-n-butylphthalate	720	U
206-44-0	Fluoranthene	670	J
129-00-0	Pyrene	540	J
85-68-7	Butylbenzylphthalate	720	U
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	220	J
218-01-9	Chrysene	430	J
117-81-7	bis(2-Ethylhexyl)phthalate	270	J
117-84-0	Di-n-octylphthalate	720	U
205-99-2	Benzo(b)fluoranthene	580	J
207-08-9	Benzo(k)fluoranthene	450	J
50-32-8	Benzo(a)pyrene	330	J
193-39-5	Indeno(1,2,3-cd)pyrene	140	J
53-70-3	Dibenz(a,h)anthracene	720	U
191-24-2	Benzo(g,h,i)perylene	120	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0011

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F22.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 54 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 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	2.40	6800	J
2.		UNKNOWN	2.79	530	BJ
3.		UNKNOWN	2.95	920	BJ
4.		UNKNOWN	2.99	160	BJ
5.		UNKNOWN	5.19	220	J
6.	544-63-8	TETRADECANOIC ACID	7.57	230	JN
7.	1002-84-2	PENTADECANOIC ACID	8.17	190	JN
8.		UNKNOWN	8.66	580	J
9.	57-10-3	HEXADECANOIC ACID	8.77	2600	JN
10.		UNKNOWN	9.40	150	J
11.		UNKNOWN	9.76	620	J
12.	57-11-4	OCTADECANOIC ACID	9.82	320	JN
13.		UNKNOWN	10.83	190	J
14.		UNKNOWN	10.98	160	BJ
15.		UNKNOWN	11.06	330	BJ
16.		UNKNOWN	11.28	780	J
17.		UNKNOWN	12.36	640	J
18.		UNKNOWN	12.61	540	J
19.		UNKNOWN	12.79	1400	J
20.		UNKNOWN	12.89	1500	J
21.	77899-10-6	(Z)14-TRICOSENYL FORMATE	13.71	700	JN
22.		UNKNOWN	13.92	1800	J
23.		UNKNOWN	14.17	330	J
24.	638-66-4	OCTADECANAL	14.70	590	JN
25.		UNKNOWN	15.62	2700	J
26.		UNKNOWN	15.87	820	J
27.		UNKNOWN	16.07	1300	J
28.	545-47-1	LUPEOL	16.31	1500	JN
29.		UNKNOWN	17.27	2000	J
30.		UNKNOWN	17.46	4800	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0014

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F23.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 54 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	720	U
108-95-2	Phenol	720	U
111-44-4	bis(2-Chloroethyl)ether	720	U
95-57-8	2-Chlorophenol	720	U
95-48-7	2-Methylphenol	720	U
108-60-1	2,2'-oxybis(1-Chloropropane)	720	U
98-86-2	Acetophenone	720	U
106-44-5	4-Methylphenol	720	U
621-64-7	N-Nitroso-di-n-propylamine	720	U
67-72-1	Hexachloroethane	720	U
98-95-3	Nitrobenzene	720	U
78-59-1	Isophorone	720	U
88-75-5	2-Nitrophenol	720	U
105-67-9	2,4-Dimethylphenol	720	U
111-91-1	bis(2-Chloroethoxy)methane	720	U
120-83-2	2,4-Dichlorophenol	720	U
91-20-3	Naphthalene	720	U
106-47-8	4-Chloroaniline	720	U
87-68-3	Hexachlorobutadiene	720	U
105-60-2	Caprolactam	720	U
59-50-7	4-Chloro-3-methylphenol	720	U
91-57-6	2-Methylnaphthalene	720	U
77-47-4	Hexachlorocyclopentadiene	720	U
88-06-2	2,4,6-Trichlorophenol	720	U
95-95-4	2,4,5-Trichlorophenol	1800	U
92-52-4	1,1'-Biphenyl	720	U
91-58-7	2-Chloronaphthalene	720	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	720	U
606-20-2	2,6-Dinitrotoluene	720	U
208-96-8	Acenaphthylene	720	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	720	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0014

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F23.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 54 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	720	U
121-14-2	2,4-Dinitrotoluene	720	U
84-66-2	Diethylphthalate	720	U
86-73-7	Fluorene	720	U
7005-72-3	4-Chlorophenyl-phenylether	720	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	720	U
101-55-3	4-Bromophenyl-phenylether	720	U
118-74-1	Hexachlorobenzene	720	U
1912-24-9	Atrazine	720	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	630	J
120-12-7	Anthracene	100	J
86-74-8	Carbazole	83	J
84-74-2	Di-n-butylphthalate	720	U
206-44-0	Fluoranthene	1800	
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	720	U
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	620	J
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)phthalate	1100	
117-84-0	Di-n-octylphthalate	720	U
205-99-2	Benzo(b)fluoranthene	1500	
207-08-9	Benzo(k)fluoranthene	1200	
50-32-8	Benzo(a)pyrene	940	
193-39-5	Indeno(1,2,3-cd)pyrene	320	J
53-70-3	Dibenz(a,h)anthracene	100	J
191-24-2	Benzo(g,h,i)perylene	290	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0014

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F23.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 54 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.43	32000	J
2.	UNKNOWN	2.81	1300	BJ
3.	UNKNOWN	2.85	540	BJ
4.	UNKNOWN	2.95	1600	BJ
5.	UNKNOWN	8.67	960	J
6. 57-10-3	HEXADECANOIC ACID	8.77	1400	JN
7.	UNKNOWN	8.99	260	J
8. 112-80-1	OLEIC ACID	9.73	240	JN
9.	UNKNOWN	9.75	420	J
10.	UNKNOWN	11.06	190	BJ
11.	UNKNOWN	12.89	2800	J
12.	UNKNOWN	15.62	2700	J
13.	UNKNOWN	17.44	4400	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0016

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F24.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0016

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F24.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	79	J
129-00-0	Pyrene	66	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	43	J
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	48	J
207-08-9	Benzo(k)fluoranthene	41	J
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0016

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F24.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 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.		UNKNOWN	2.40	9200	J
2.		UNKNOWN	2.79	330	BJ
3.		UNKNOWN	2.94	390	BJ
4.		UNKNOWN	5.20	120	J
5.		UNKNOWN	9.39	110	J
6.		UNKNOWN	11.05	310	BJ
7.		UNKNOWN	12.87	150	J
8.		UNKNOWN	13.19	210	J
9.		COPROSTAN-3-ONE	14.67	130	J
10.					
11.					
12.					
13.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0017

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F03.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 48 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	630	U
108-95-2	Phenol	630	U
111-44-4	bis(2-Chloroethyl)ether	630	U
95-57-8	2-Chlorophenol	630	U
95-48-7	2-Methylphenol	630	U
108-60-1	2,2'-oxybis(1-Chloropropane)	630	U
98-86-2	Acetophenone	630	U
106-44-5	4-Methylphenol	630	U
621-64-7	N-Nitroso-di-n-propylamine	630	U
67-72-1	Hexachloroethane	630	U
98-95-3	Nitrobenzene	630	U
78-59-1	Isophorone	630	U
88-75-5	2-Nitrophenol	630	U
105-67-9	2,4-Dimethylphenol	630	U
111-91-1	bis(2-Chloroethoxy)methane	630	U
120-83-2	2,4-Dichlorophenol	630	U
91-20-3	Naphthalene	630	U
106-47-8	4-Chloroaniline	630	U
87-68-3	Hexachlorobutadiene	630	U
105-60-2	Caprolactam	630	U
59-50-7	4-Chloro-3-methylphenol	630	U
91-57-6	2-Methylnaphthalene	630	U
77-47-4	Hexachlorocyclopentadiene	630	U
88-06-2	2,4,6-Trichlorophenol	630	U
95-95-4	2,4,5-Trichlorophenol	1600	U
92-52-4	1,1'-Biphenyl	630	U
91-58-7	2-Chloronaphthalene	630	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	630	U
606-20-2	2,6-Dinitrotoluene	630	U
208-96-8	Acenaphthylene	630	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	630	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0017

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F03.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 48 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	630	U
121-14-2	2,4-Dinitrotoluene	630	U
84-66-2	Diethylphthalate	630	U
86-73-7	Fluorene	630	U
7005-72-3	4-Chlorophenyl-phenylether	630	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	630	U
101-55-3	4-Bromophenyl-phenylether	630	U
118-74-1	Hexachlorobenzene	630	U
1912-24-9	Atrazine	630	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	580	J
120-12-7	Anthracene	84	J
86-74-8	Carbazole	79	J
84-74-2	Di-n-butylphthalate	630	U
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1300	
85-68-7	Butylbenzylphthalate	630	U
91-94-1	3,3'-Dichlorobenzidine	630	U
56-55-3	Benzo(a)anthracene	570	J
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)phthalate	630	
117-84-0	Di-n-octylphthalate	75	J
205-99-2	Benzo(b)fluoranthene	1500	
207-08-9	Benzo(k)fluoranthene	890	
50-32-8	Benzo(a)pyrene	930	
193-39-5	Indeno(1,2,3-cd)pyrene	450	J
53-70-3	Dibenz(a,h)anthracene	630	U
191-24-2	Benzo(g,h,i)perylene	410	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0017

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F03.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 48 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 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	2.78	670	BJ
2.		UNKNOWN	2.83	400	BJ
3.		UNKNOWN	2.92	1300	BJ
4.	541-02-6	CYCLOPENTASILOXANE, DECAMETH	3.84	140	JN
5.	544-63-8	TETRADECANOIC ACID	7.55	220	JN
6.	502-69-2	2-PENTADECANONE, 6,10,14-TRI	8.07	160	JN
7.	1002-84-2	PENTADECANOIC ACID	8.14	140	JN
8.		UNKNOWN	8.29	360	J
9.		UNKNOWN	8.64	1500	J
10.		UNKNOWN	8.68	270	J
11.	57-10-3	HEXADECANOIC ACID	8.74	1500	JN
12.		UNKNOWN	8.96	140	J
13.	84-65-1	9,10-ANTHRACENEDIONE	9.02	170	JN
14.		UNKNOWN	9.21	170	J
15.		UNKNOWN	9.37	300	J
16.		UNKNOWN	9.67	320	J
17.		UNKNOWN	9.70	190	J
18.	57-11-4	OCTADECANOIC ACID	9.80	230	JN
19.		UNKNOWN	10.58	200	J
20.		UNKNOWN	11.04	440	BJ
21.		UNKNOWN	12.86	1500	J
22.	198-55-0	PERYLENE	13.27	1700	JN
23.		UNKNOWN	14.15	1000	J
24.		UNKNOWN	15.62	1200	J
25.		UNKNOWN	17.37	1400	J
26.					
27.					
28.					
29.					
30.					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0018

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F04.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0018

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F04.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	460	
120-12-7	Anthracene	85	J
86-74-8	Carbazole	56	J
84-74-2	Di-n-butylphthalate	99	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	850	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	410	J
218-01-9	Chrysene	780	
117-81-7	bis(2-Ethylhexyl)phthalate	510	
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	1100	
207-08-9	Benzo(k)fluoranthene	630	
50-32-8	Benzo(a)pyrene	650	
193-39-5	Indeno(1,2,3-cd)pyrene	240	J
53-70-3	Dibenz(a,h)anthracene	81	J
191-24-2	Benzo(g,h,i)perylene	210	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0018

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F04.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.77	430	BJ
2.	UNKNOWN	2.92	790	BJ
3.	UNKNOWN	3.84	97	J
4. 544-63-8	TETRADECANOIC ACID	7.55	110	JN
5.	UNKNOWN	8.28	220	J
6.	UNKNOWN	8.64	540	J
7. 57-10-3	HEXADECANOIC ACID	8.74	880	JN
8.	UNKNOWN	8.97	88	J
9. 84-65-1	9,10-ANTHRACENEDIONE	9.03	86	JN
10.	UNKNOWN	9.21	110	J
11.	UNKNOWN	9.38	200	J
12.	UNKNOWN	9.63	160	J
13. 112-80-1	OLEIC ACID	9.70	120	JN
14. 57-11-4	OCTADECANOIC ACID	9.80	150	JN
15.	UNKNOWN	10.80	91	J
16.	UNKNOWN	11.04	270	BJ
17.	UNKNOWN	12.87	2100	J
18.	9-HEXACOSENE	13.17	1500	J
19. 198-55-0	PERYLENE	13.28	880	JN
20.	UNKNOWN	14.16	540	J
21.	UNKNOWN	15.59	1500	J
22.	UNKNOWN	16.03	840	J
23.	UNKNOWN	16.51	280	J
24.	UNKNOWN	17.37	680	J
25.				
26.				
27.				
28.				
29.				
30.				

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0020

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F05.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	210	J
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	480	
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0020

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F05.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	60	J
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	45	J
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	280	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	110	J
206-44-0	Fluoranthene	94	J
129-00-0	Pyrene	84	J
85-68-7	Butylbenzylphthalate	93	J
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	66	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0020

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F05.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 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	2.38	120	J
2.	UNKNOWN	2.76	350	BJ
3.	UNKNOWN	2.92	570	BJ
4. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	3.33	120	JN
5.	UNKNOWN	3.46	180	J
6. 95-16-9	BENZOTHIAZOLE	4.44	190	JN
7. 91-57-6	NAPHTHALENE, 2-METHYL-	4.97	300	JN
8. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	5.53	200	JN
9. 575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	5.63	360	JN
10. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	5.66	230	JN
11. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	5.76	270	JN
12. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	6.33	150	JN
13. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	6.44	150	JN
14. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	6.55	170	JN
15. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	6.71	110	JN
16. 7320-53-8	DIBENZOFURAN, 4-METHYL-	6.92	140	JN
17. 529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	7.62	210	JN
18.	UNKNOWN	8.22	110	J
19.	UNKNOWN	8.29	270	J
20. 57-10-3	HEXADECANOIC ACID	8.72	430	JN
21.	UNKNOWN	8.97	110	J
22.	UNKNOWN	9.06	170	J
23.	UNKNOWN	9.68	130	J
24. 57-11-4	OCTADECANOIC ACID	9.80	190	JN
25. 5466-77-3	2-PROPENOIC ACID, 3-(4-METHO	10.66	160	JN
26.	UNKNOWN	11.03	820	BJ
27.	UNKNOWN	12.85	450	J
28.	UNKNOWN	15.12	970	J
29.	UNKNOWN	15.27	170	J
30.	UNKNOWN	17.36	190	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0021

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F06.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	880	U
92-52-4	1,1'-Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
208-96-8	Acenaphthylene	350	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	350	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0021

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F06.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	880	U
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	74	J
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	59	J
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	64	J
218-01-9	Chrysene	88	J
117-81-7	bis(2-Ethylhexyl)phthalate	60	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	84	J
207-08-9	Benzo(k)fluoranthene	71	J
50-32-8	Benzo(a)pyrene	77	J
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0021

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F06.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.77	420	BJ
2.		UNKNOWN	2.92	880	BJ
3.		UNKNOWN	11.03	140	BJ
4.					
5.					
6.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0022

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F07.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	340	U
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
98-86-2	Acetophenone	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	86	J
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	130	J
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	860	U
92-52-4	1,1'-Biphenyl	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	860	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
208-96-8	Acenaphthylene	570	
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	580	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0022

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F07.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	860	U
100-02-7	4-Nitrophenol	860	U
132-64-9	Dibenzofuran	290	J
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
86-73-7	Fluorene	380	
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	3500	E
120-12-7	Anthracene	1100	
86-74-8	Carbazole	190	J
84-74-2	Di-n-butylphthalate	40	J
206-44-0	Fluoranthene	9100	E
129-00-0	Pyrene	8200	E
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	6300	E
218-01-9	Chrysene	6700	E
117-81-7	bis(2-Ethylhexyl)phthalate	42	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	15000	E
207-08-9	Benzo(k)fluoranthene	4100	E
50-32-8	Benzo(a)pyrene	6500	E
193-39-5	Indeno(1,2,3-cd)pyrene	2300	
53-70-3	Dibenz(a,h)anthracene	180	J
191-24-2	Benzo(g,h,i)perylene	2000	

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0022

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F07.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 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	2.77	380	BJ
2.	UNKNOWN	2.92	590	BJ
3. 673-32-5	BENZENE, 1-PROPYNYL-	3.46	150	JN
4. 120-72-9	INDOLE	4.80	210	JN
5. 90-12-0	NAPHTHALENE, 1-METHYL-	4.97	110	JN
6. 7320-53-8	DIBENZOFURAN, 4-METHYL-	6.91	130	JN
7. 832-64-4	PHENANTHRENE, 4-METHYL-	8.63	76	JN
8.	UNKNOWN	9.00	72	J
9. 5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	9.52	71	JN
10.	UNKNOWN	9.70	83	J
11.	UNKNOWN	10.21	83	J
12. 238-84-6	11H-BENZO[A]FLUORENE	10.36	220	JN
13. 243-17-4	11H-BENZO[B]FLUORENE	10.44	130	JN
14. 2381-21-7	PYRENE, 1-METHYL-	10.50	78	JN
15. 82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	11.07	97	JN
16. 239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	11.21	82	JN
17.	UNKNOWN	11.26	130	J
18.	UNKNOWN	11.29	110	J
19.	UNKNOWN	11.87	70	J
20. 1705-84-6	TRIPHENYLENE, 2-METHYL-	12.11	96	JN
21.	UNKNOWN	12.54	240	J
22.	UNKNOWN	12.78	160	J
23. 207-08-9	BENZO[K]FLUORANTHENE	13.10	580	JN
24.	UNKNOWN	13.21	130	J
25.	UNKNOWN	13.60	190	J
26.	UNKNOWN	13.81	120	J
27. 37176-94-6	3-(4-BROMOPHENYL)PROPENOIC A	14.15	82	JN
28. 53-70-3	DIBENZ[A,H]ANTHRACENE	15.12	110	JN
29. 191-24-2	BENZO[GHI]PERYLENE	15.52	78	JN
30.				

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0022DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F16.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	3400	U
108-95-2	Phenol	3400	U
111-44-4	bis(2-Chloroethyl)ether	3400	U
95-57-8	2-Chlorophenol	3400	U
95-48-7	2-Methylphenol	3400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3400	U
98-86-2	Acetophenone	3400	U
106-44-5	4-Methylphenol	3400	U
621-64-7	N-Nitroso-di-n-propylamine	3400	U
67-72-1	Hexachloroethane	3400	U
98-95-3	Nitrobenzene	3400	U
78-59-1	Isophorone	3400	U
88-75-5	2-Nitrophenol	3400	U
105-67-9	2,4-Dimethylphenol	3400	U
111-91-1	bis(2-Chloroethoxy)methane	3400	U
120-83-2	2,4-Dichlorophenol	3400	U
91-20-3	Naphthalene	3400	U
106-47-8	4-Chloroaniline	3400	U
87-68-3	Hexachlorobutadiene	3400	U
105-60-2	Caprolactam	3400	U
59-50-7	4-Chloro-3-methylphenol	3400	U
91-57-6	2-Methylnaphthalene	3400	U
77-47-4	Hexachlorocyclopentadiene	3400	U
88-06-2	2,4,6-Trichlorophenol	3400	U
95-95-4	2,4,5-Trichlorophenol	8600	U
92-52-4	1,1'-Biphenyl	3400	U
91-58-7	2-Chloronaphthalene	3400	U
88-74-4	2-Nitroaniline	8600	U
131-11-3	Dimethylphthalate	3400	U
606-20-2	2,6-Dinitrotoluene	3400	U
208-96-8	Acenaphthylene	580	DJ
99-09-2	3-Nitroaniline	8600	U
83-32-9	Acenaphthene	620	DJ

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0022DL

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F16.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	8600	U
100-02-7	4-Nitrophenol	8600	U
132-64-9	Dibenzofuran	3400	U
121-14-2	2,4-Dinitrotoluene	3400	U
84-66-2	Diethylphthalate	3400	U
86-73-7	Fluorene	400	DJ
7005-72-3	4-Chlorophenyl-phenylether	3400	U
100-01-6	4-Nitroaniline	8600	U
534-52-1	4,6-Dinitro-2-methylphenol	8600	U
86-30-6	N-Nitrosodiphenylamine (1)	3400	U
101-55-3	4-Bromophenyl-phenylether	3400	U
118-74-1	Hexachlorobenzene	3400	U
1912-24-9	Atrazine	3400	U
87-86-5	Pentachlorophenol	8600	U
85-01-8	Phenanthrene	3700	D
120-12-7	Anthracene	1100	DJ
86-74-8	Carbazole	3400	U
84-74-2	Di-n-butylphthalate	3400	U
206-44-0	Fluoranthene	13000	D
129-00-0	Pyrene	9900	D
85-68-7	Butylbenzylphthalate	3400	U
91-94-1	3,3'-Dichlorobenzidine	3400	U
56-55-3	Benzo(a)anthracene	7000	D
218-01-9	Chrysene	8400	D
117-81-7	bis(2-Ethylhexyl)phthalate	3400	U
117-84-0	Di-n-octylphthalate	3400	U
205-99-2	Benzo(b)fluoranthene	14000	D
207-08-9	Benzo(k)fluoranthene	7800	D
50-32-8	Benzo(a)pyrene	12000	D
193-39-5	Indeno(1,2,3-cd)pyrene	3800	D
53-70-3	Dibenz(a,h)anthracene	380	DJ
191-24-2	Benzo(g,h,i)perylene	3300	DJ

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0022DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F16.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.75	980	DJ
2.	5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	9.47	730	DJN
3.	238-84-6	11H-BENZO[A]FLUORENE	10.19	860	DJN
4.	238-84-6	11H-BENZO[A]FLUORENE	10.34	1800	DJN
5.	243-17-4	11H-BENZO[B]FLUORENE	10.42	830	DJN
6.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	11.19	1000	DJN
7.		UNKNOWN	11.24	730	DJ
8.		UNKNOWN	11.69	2300	DJ
9.	1705-84-6	TRIPHENYLENE, 2-METHYL-	12.09	1000	DJN
10.		UNKNOWN	12.22	890	DJ
11.		UNKNOWN	12.27	890	DJ
12.		UNKNOWN	12.29	970	DJ
13.	1090-13-7	5,12-NAPHTHACENEDIONE	12.52	880	DJN
14.		UNKNOWN	12.75	960	DJ
15.		UNKNOWN	12.87	760	DJ
16.	207-08-9	BENZO[K]FLUORANTHENE	13.06	2800	DJN
17.		UNKNOWN	13.17	1100	DJ
18.	207-08-9	BENZO[K]FLUORANTHENE	13.27	5800	DJN
19.		UNKNOWN	13.58	1500	DJ
20.		UNKNOWN	13.97	880	DJ
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0023

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F17.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 5 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	870	U
92-52-4	1,1'-Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
208-96-8	Acenaphthylene	350	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	350	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0023

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F17.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 5 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	67	J
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	100	J
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	57	J
218-01-9	Chrysene	74	J
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	91	J
207-08-9	Benzo(k)fluoranthene	70	J
50-32-8	Benzo(a)pyrene	65	J
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0023

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F17.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 5 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

Number TICs found: 12

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.77	510	BJ
2.		UNKNOWN	2.92	910	BJ
3.		UNKNOWN	2.97	200	BJ
4.		UNKNOWN	3.45	73	J
5.		UNKNOWN	5.18	130	J
6.	126-73-8	PHOSPHORIC ACID TRIBUTYL EST	6.89	220	JN
7.		UNKNOWN	7.33	83	J
8.	57-10-3	HEXADECANOIC ACID	8.71	120	JN
9.		UNKNOWN	11.04	380	BJ
10.		UNKNOWN	14.15	190	J
11.		UNKNOWN	14.58	200	J
12.		UNKNOWN	15.38	350	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0026

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F09.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0026

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F09.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	56	J
218-01-9	Chrysene	94	J
117-81-7	bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	81	J
207-08-9	Benzo(k)fluoranthene	65	J
50-32-8	Benzo(a)pyrene	60	J
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0026

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F09.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

Number TICs found: 22

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.77	360	BJ
2.		UNKNOWN	2.92	500	BJ
3.		UNKNOWN	6.90	2200	J
4.	109-29-5	OXACYCLOHEPTADECAN-2-ONE	8.61	130	JN
5.	57-10-3	HEXADECANOIC ACID	8.71	210	JN
6.		UNKNOWN	9.69	94	J
7.		UNKNOWN	11.03	190	BJ
8.		UNKNOWN	11.43	150	J
9.	112-85-6	DOCOSANOIC ACID	11.72	210	JN
10.		UNKNOWN	12.16	96	J
11.	1599-67-3	1-DOCOSENE	12.32	500	JN
12.		UNKNOWN	12.59	220	J
13.	56554-87-1	16-OCTADECENAL	12.86	920	JN
14.	629-96-9	1-EICOSANOL	13.14	2400	JN
15.	20175-84-2	[1,2'-BINAPHTHALENE]-5,5',8,	13.69	220	JN
16.	765-27-5	1-EICOSYNE	14.67	120	JN
17.		UNKNOWN	15.12	280	J
18.	83-47-6	.GAMMA.-SITOSTEROL	15.57	1100	JN
19.		UNKNOWN	15.90	220	J
20.	1058-61-3	STIGMAST-4-EN-3-ONE	16.52	300	JN
21.	56245-50-2	1H-NAPHTHO[2,1-B]PYRAN, 4A,5	17.22	1000	JN
22.		UNKNOWN	17.39	1600	J
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24.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0027

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F10.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	470	U
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
98-86-2	Acetophenone	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
105-60-2	Caprolactam	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	470	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	470	U
606-20-2	2,6-Dinitrotoluene	470	U
208-96-8	Acenaphthylene	300	J
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	95	J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0027

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F10.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	120	J
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
86-73-7	Fluorene	260	J
7005-72-3	4-Chlorophenyl-phenylether	470	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
1912-24-9	Atrazine	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	2300	
120-12-7	Anthracene	540	
86-74-8	Carbazole	120	J
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	4100	E
129-00-0	Pyrene	2900	
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)anthracene	470	U
218-01-9	Chrysene	2000	
117-81-7	bis(2-Ethylhexyl)phthalate	1600	
117-84-0	Di-n-octylphthalate	470	U
205-99-2	Benzo(b)fluoranthene	2300	
207-08-9	Benzo(k)fluoranthene	1200	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	480	
53-70-3	Dibenz(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	390	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0027

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F10.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 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	2.38	4100	J
2.		UNKNOWN	2.40	260	J
3.		UNKNOWN	2.77	430	BJ
4.		UNKNOWN	2.92	590	BJ
5.		UNKNOWN	6.91	1000	J
6.	70-55-3	BENZENESULFONAMIDE, 4-METHYL	7.16	1000	JN
7.	132-65-0	DIBENZOTHIOPHENE	7.77	140	JN
8.	2531-84-2	PHENANTHRENE, 2-METHYL-	8.60	180	JN
9.	613-12-7	ANTHRACENE, 2-METHYL-	8.64	270	JN
10.	57-10-3	HEXADECANOIC ACID	8.72	190	JN
11.		UNKNOWN	8.75	560	J
12.		UNKNOWN	8.79	150	J
13.	35465-71-5	2-PHENYLNAPHTHALENE	9.01	200	JN
14.		UNKNOWN	9.38	180	J
15.		UNKNOWN	9.70	430	J
16.	243-17-4	11H-BENZO[B]FLUORENE	10.36	290	JN
17.	243-17-4	11H-BENZO[B]FLUORENE	10.44	170	JN
18.	238-84-6	11H-BENZO[A]FLUORENE	10.49	140	JN
19.		UNKNOWN	11.04	150	BJ
20.	25732-74-5	3,4-DIHYDROCYCLOPENTA(CD)PYR	11.25	120	JN
21.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	11.75	97	JN
22.	85-60-9	PHENOL, 4,4'-BUTYLIDENEBIS[2	12.39	250	JN
23.	198-55-0	PERYLENE	13.29	1200	JN
24.		UNKNOWN	14.16	240	J
25.		UNKNOWN	17.38	340	J
26.					
27.					
28.					
29.					
30.					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0027DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F18.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	940	U
108-95-2	Phenol	940	U
111-44-4	bis(2-Chloroethyl)ether	940	U
95-57-8	2-Chlorophenol	940	U
95-48-7	2-Methylphenol	940	U
108-60-1	2,2'-oxybis(1-Chloropropane)	940	U
98-86-2	Acetophenone	940	U
106-44-5	4-Methylphenol	940	U
621-64-7	N-Nitroso-di-n-propylamine	940	U
67-72-1	Hexachloroethane	940	U
98-95-3	Nitrobenzene	940	U
78-59-1	Isophorone	940	U
88-75-5	2-Nitrophenol	940	U
105-67-9	2,4-Dimethylphenol	940	U
111-91-1	bis(2-Chloroethoxy)methane	940	U
120-83-2	2,4-Dichlorophenol	940	U
91-20-3	Naphthalene	940	U
106-47-8	4-Chloroaniline	940	U
87-68-3	Hexachlorobutadiene	940	U
105-60-2	Caprolactam	940	U
59-50-7	4-Chloro-3-methylphenol	940	U
91-57-6	2-Methylnaphthalene	940	U
77-47-4	Hexachlorocyclopentadiene	940	U
88-06-2	2,4,6-Trichlorophenol	940	U
95-95-4	2,4,5-Trichlorophenol	2400	U
92-52-4	1,1'-Biphenyl	940	U
91-58-7	2-Chloronaphthalene	940	U
88-74-4	2-Nitroaniline	2400	U
131-11-3	Dimethylphthalate	940	U
606-20-2	2,6-Dinitrotoluene	940	U
208-96-8	Acenaphthylene	330	DJ
99-09-2	3-Nitroaniline	2400	U
83-32-9	Acenaphthene	98	DJ

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0027DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F18.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2400	U
100-02-7	4-Nitrophenol	2400	U
132-64-9	Dibenzofuran	120	DJ
121-14-2	2,4-Dinitrotoluene	940	U
84-66-2	Diethylphthalate	940	U
86-73-7	Fluorene	250	DJ
7005-72-3	4-Chlorophenyl-phenylether	940	U
100-01-6	4-Nitroaniline	2400	U
534-52-1	4,6-Dinitro-2-methylphenol	2400	U
86-30-6	N-Nitrosodiphenylamine (1)	940	U
101-55-3	4-Bromophenyl-phenylether	940	U
118-74-1	Hexachlorobenzene	940	U
1912-24-9	Atrazine	940	U
87-86-5	Pentachlorophenol	2400	U
85-01-8	Phenanthrene	2300	D
120-12-7	Anthracene	560	DJ
86-74-8	Carbazole	130	DJ
84-74-2	Di-n-butylphthalate	940	U
206-44-0	Fluoranthene	4700	D
129-00-0	Pyrene	3200	D
85-68-7	Butylbenzylphthalate	940	U
91-94-1	3,3'-Dichlorobenzidine	940	U
56-55-3	Benzo(a)anthracene	1800	D
218-01-9	Chrysene	1800	D
117-81-7	bis(2-Ethylhexyl)phthalate	1700	D
117-84-0	Di-n-octylphthalate	940	U
205-99-2	Benzo(b)fluoranthene	1900	D
207-08-9	Benzo(k)fluoranthene	1900	D
50-32-8	Benzo(a)pyrene	1700	D
193-39-5	Indeno(1,2,3-cd)pyrene	410	DJ
53-70-3	Dibenz(a,h)anthracene	940	U
191-24-2	Benzo(g,h,i)perylene	340	DJ

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0027DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F18.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 30 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

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

Number TICs found: 22

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.37	350	DJ
2.		UNKNOWN	2.76	410	BDJ
3.		UNKNOWN	2.91	590	BDJ
4.		UNKNOWN	6.89	1100	DJ
5.	70-55-3	BENZENESULFONAMIDE, 4-METHYL	7.14	1200	DJN
6.	832-64-4	PHENANTHRENE, 4-METHYL-	8.63	270	DJN
7.		UNKNOWN	8.75	550	DJ
8.	35465-71-5	2-PHENYLNAPHTHALENE	9.00	230	DJN
9.		UNKNOWN	9.37	200	DJ
10.	206-44-0	FLUORANTHENE	9.69	450	DJN
11.		UNKNOWN	9.77	280	DJ
12.	238-84-6	11H-BENZO[A]FLUORENE	10.35	760	DJN
13.	243-17-4	11H-BENZO[B]FLUORENE	10.43	450	DJN
14.		UNKNOWN	10.48	280	DJ
15.		UNKNOWN	11.03	440	BDJ
16.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	11.20	260	DJN
17.		UNKNOWN	11.24	240	DJ
18.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	11.41	230	DJN
19.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	11.75	280	DJN
20.		UNKNOWN	11.85	200	DJ
21.	85-60-9	PHENOL, 4,4'-BUTYLIDENEBIS[2	12.39	560	DJN
22.	198-55-0	PERYLENE	13.27	1400	DJN
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0028

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F11.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	420	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0028

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F11.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	81	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	180	J
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	80	J
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	110	J
207-08-9	Benzo(k)fluoranthene	99	J
50-32-8	Benzo(a)pyrene	91	J
193-39-5	Indeno(1,2,3-cd)pyrene	47	J
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	44	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0028

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F11.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.39	300	J
2.		UNKNOWN	2.77	360	BJ
3.		UNKNOWN	2.83	170	BJ
4.		UNKNOWN	2.92	510	BJ
5.	95-16-9	BENZOTHIAZOLE	4.45	160	JN
6.	57-10-3	HEXADECANOIC ACID	8.71	130	JN
7.		UNKNOWN	11.03	470	BJ
8.		UNKNOWN	12.86	110	J
9.		UNKNOWN	13.16	290	J
10.	14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	15.12	350	JN
11.					
12.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0029

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F12.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

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	390	U
108-95-2	Phenol	43	J
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	990	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	390	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0029

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F12.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

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	990	U
100-02-7	4-Nitrophenol	990	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	55	J
206-44-0	Fluoranthene	47	J
129-00-0	Pyrene	42	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0029

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 159F12.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/08/01

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	2.78	570	BJ
2.		UNKNOWN	2.93	740	BJ
3.		UNKNOWN	2.97	81	BJ
4.		UNKNOWN	3.91	100	J
5.		UNKNOWN	5.16	120	J
6.		TRANS-2-TRIDECENAL	8.61	87	J
7.	57-10-3	HEXADECANOIC ACID	8.71	150	JN
8.		UNKNOWN	8.96	170	J
9.	109-29-5	OXACYCLOHEPTADECAN-2-ONE	9.69	95	JN
10.		UNKNOWN	11.03	390	BJ
11.		UNKNOWN	12.02	100	J
12.		UNKNOWN	12.32	190	J
13.	20175-84-2	[1,2'-BINAPHTHALENE]-5,5',8,	12.85	94	JN
14.	207-08-9	BENZO[K]FLUORANTHENE	12.93	86	JN
15.	7773-83-3	1-DOCOSANETHIOL	13.15	430	JN
16.	14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	15.12	290	JN
17.		UNKNOWN	15.57	180	J
18.		UNKNOWN	17.36	290	J
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.01

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

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.01

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

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	280	J
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	110	J
218-01-9	Chrysene	160	J
117-81-7	bis(2-Ethylhexyl)phthalate	440	U
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	140	J
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	95	J
193-39-5	Indeno(1,2,3-cd)pyrene	51	J
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	49	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.01

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

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 11

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.42	17000	J
2.		UNKNOWN	2.80	520	BJ
3.		UNKNOWN	2.95	390	BJ
4.		UNKNOWN	2.99	390	BJ
5.		UNKNOWN	3.93	200	BJ
6.	95-16-9	BENZOTHIAZOLE	4.47	150	JN
7.		UNKNOWN	4.65	140	J
8.	57-10-3	HEXADECANOIC ACID	8.73	140	BJN
9.		UNKNOWN	11.06	700	BJ
10.		UNKNOWN	13.18	420	J
11.		UNKNOWN	15.16	450	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.02

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

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	1300	
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	1100	
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	830	
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	1500	
91-57-6	2-Methylnaphthalene	560	
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	1100	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.02

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

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1700	
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	1200	
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1500	
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	240	J
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	100	J
218-01-9	Chrysene	140	J
117-81-7	bis(2-Ethylhexyl)phthalate	440	U
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	110	J
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	96	J
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.03

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

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	1400	
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	1100	
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	940	
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	1500	
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	1300	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030MSD

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.03

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

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	2100	
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	1500	
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1900	
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	260	J
129-00-0	Pyrene	1700	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	100	J
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)phthalate	440	U
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	150	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	110	J
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	45	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F15.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8 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	68	J
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	72	J
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	170	J
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	140	J
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F15.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8 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	67	J
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	250	J
120-12-7	Anthracene	47	J
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	170	J
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	63	J
218-01-9	Chrysene	100	J
117-81-7	bis(2-Ethylhexyl)phthalate	3400	
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	79	J
207-08-9	Benzo(k)fluoranthene	72	J
50-32-8	Benzo(a)pyrene	67	J
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.

E0031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F15.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8 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	2.43	11000	J
2.		UNKNOWN	2.80	340	BJ
3.		UNKNOWN	2.95	450	BJ
4.		UNKNOWN	3.96	310	BJ
5.		UNKNOWN	4.02	330	J
6.		UNKNOWN	4.36	210	J
7.		UNKNOWN	5.00	490	J
8.	571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	5.56	250	JN
9.	575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	5.65	560	JN
10.		UNKNOWN	6.28	550	J
11.	2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	6.36	380	JN
12.	2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	6.47	250	JN
13.		UNKNOWN	6.55	420	J
14.		UNKNOWN	6.81	330	J
15.		UNKNOWN	6.89	240	J
16.	104-40-5	4-NONYLPHENOL	7.49	6700	JN
17.		UNKNOWN	7.60	630	J
18.		UNKNOWN	7.63	1300	J
19.		UNKNOWN	7.70	1800	J
20.		UNKNOWN	7.74	1800	J
21.		UNKNOWN	7.77	1200	J
22.		UNKNOWN	7.79	1100	J
23.		UNKNOWN	7.90	1300	J
24.		UNKNOWN	8.38	380	J
25.	57-10-3	HEXADECANOIC ACID	8.78	410	BJN
26.		UNKNOWN	9.83	590	J
27.	80-05-7	PHENOL, 4,4'-(1-METHYLETHYLI	10.10	800	JN
28.		UNKNOWN	12.81	500	J
29.		UNKNOWN	14.21	210	J
30.		UNKNOWN	14.64	270	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0032

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F16.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 Extraction: (Type) SONC

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	59	J
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	210	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	430	
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	66	J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0032

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F16.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	93	J
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	510	
120-12-7	Anthracene	86	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	690	
129-00-0	Pyrene	530	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	260	J
218-01-9	Chrysene	320	J
117-81-7	bis(2-Ethylhexyl)phthalate	3200	
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	280	J
207-08-9	Benzo(k)fluoranthene	300	J
50-32-8	Benzo(a)pyrene	240	J
193-39-5	Indeno(1,2,3-cd)pyrene	78	J
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	88	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0032

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F16.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 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.		UNKNOWN	2.42	14000	J
2.		UNKNOWN	2.80	430	BJ
3.		UNKNOWN	2.95	600	BJ
4.	95-16-9	BENZOTHIAZOLE	4.47	440	JN
5.	90-12-0	NAPHTHALENE, 1-METHYL-	5.00	470	JN
6.	571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	5.56	400	JN
7.	581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	5.66	670	JN
8.	581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	5.68	200	JN
9.	575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	5.79	210	JN
10.	829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	6.35	330	JN
11.	2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	6.46	210	JN
12.	126-73-8	PHOSPHORIC ACID TRIBUTYL EST	6.95	8600	JN
13.		UNKNOWN	7.37	250	J
14.		UNKNOWN	9.30	200	J
15.		UNKNOWN	9.71	920	J
16.	33892-15-8	1-PHENANTHRENECARBOXYLIC ACI	10.83	410	JN
17.	1740-19-8	1-PHENANTHRENECARBOXYLIC ACI	10.91	250	JN
18.		UNKNOWN	11.08	850	BJ
19.		UNKNOWN	11.39	200	J
20.		UNKNOWN	11.91	340	J
21.		UNKNOWN	12.21	950	J
22.		UNKNOWN	12.31	510	J
23.		UNKNOWN	12.71	980	J
24.		UNKNOWN	12.80	680	J
25.		UNKNOWN	12.84	390	J
26.		UNKNOWN	12.89	690	J
27.		UNKNOWN	13.05	2800	J
28.	18435-45-5	1-NONADECENE	13.17	900	JN
29.		UNKNOWN	13.30	860	J
30.		UNKNOWN	14.18	280	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0033

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F17.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 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	200	J
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	890	
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	120	J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0033

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F17.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 Extraction: (Type) SONC

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	83	J
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	110	J
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	810	
120-12-7	Anthracene	130	J
86-74-8	Carbazole	57	J
84-74-2	Di-n-butylphthalate	180	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	990	
85-68-7	Butylbenzylphthalate	340	J
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	420	
218-01-9	Chrysene	510	
117-81-7	bis(2-Ethylhexyl)phthalate	1700	
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	550	
207-08-9	Benzo(k)fluoranthene	410	
50-32-8	Benzo(a)pyrene	440	
193-39-5	Indeno(1,2,3-cd)pyrene	120	J
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	120	J

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0033

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F17.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 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.	UNKNOWN	2.42	12000	J
2.	UNKNOWN	2.81	370	BJ
3.	UNKNOWN	2.95	540	BJ
4. 95-36-3	1,2,4-TRIMETHYLBENZENE	3.04	450	JN
5.	UNKNOWN	4.03	310	J
6.	UNKNOWN	4.47	520	J
7. 90-12-0	NAPHTHALENE, 1-METHYL-	5.00	770	JN
8. 571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	5.56	490	JN
9. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	5.66	810	JN
10. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	5.69	380	JN
11. 719-22-2	2,5-CYCLOHEXADIENE-1,4-DIONE	5.89	300	JN
12.	UNKNOWN	6.01	300	J
13. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	6.36	300	JN
14.	UNKNOWN	6.97	7000	J
15.	UNKNOWN	7.32	320	J
16.	UNKNOWN	7.38	640	J
17.	UNKNOWN	7.42	840	J
18. 104-40-5	4-NONYLPHENOL	7.47	680	JN
19.	UNKNOWN	7.49	600	J
20.	UNKNOWN	7.55	660	J
21.	UNKNOWN	7.61	570	J
22.	UNKNOWN	7.65	530	J
23.	UNKNOWN	8.36	350	J
24.	UNKNOWN	8.63	310	J
25. 57-10-3	HEXADECANOIC ACID	8.76	420	BJN
26.	UNKNOWN	9.42	440	J
27.	UNKNOWN	9.73	560	J
28.	UNKNOWN	9.81	300	J
29.	UNKNOWN	12.32	310	J
30. 77899-10-6	(Z)14-TRICOSENYL FORMATE	12.90	270	JN

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0034

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F18.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	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.

E0034

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F18.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	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	64	J
129-00-0	Pyrene	60	J
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.

E0034

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F18.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 8

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.42	14000	J
2.		UNKNOWN	2.80	450	BJ
3.		UNKNOWN	2.95	540	BJ
4.	57-10-3	HEXADECANOIC ACID	8.73	120	BJN
5.		UNKNOWN	9.71	130	J
6.	56554-87-1	16-OCTADECENAL	12.87	240	JN
7.	629-96-9	1-EICOSANOL	13.16	620	JN
8.		UNKNOWN	15.15	230	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0035

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F19.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	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.

E0035

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F19.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	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	70	J
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	190	J
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	93	J
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	450	U
117-84-0	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	130	J
207-08-9	Benzo(k)fluoranthene	100	J
50-32-8	Benzo(a)pyrene	93	J
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.

E0035

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F19.D

Level: (low/med) LOW Date Received: 05/24/01

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.42	15000	J
2.		UNKNOWN	2.72	150	BJ
3.		UNKNOWN	2.81	540	BJ
4.		UNKNOWN	2.95	600	BJ
5.		UNKNOWN	3.49	170	J
6.		UNKNOWN	3.99	130	BJ
7.		UNKNOWN	5.07	140	J
8.		UNKNOWN	8.64	150	J
9.	57-10-3	HEXADECANOIC ACID	8.75	370	BJN
10.	4727-18-8	CYCLOPENTADECANONE, 2-HYDROX	9.71	180	JN
11.	57-11-4	OCTADECANOIC ACID	9.82	220	JN
12.	506-30-9	EICOSANOIC ACID	10.81	160	JN
13.		UNKNOWN	11.05	110	BJ
14.	143-28-2	OLEYL ALCOHOL	12.88	400	JN
15.	77899-10-6	(Z)14-TRICOSENYL FORMATE	13.71	260	JN
16.	77899-10-6	(Z)14-TRICOSENYL FORMATE	14.69	240	JN
17.		UNKNOWN	15.15	280	J
18.	1058-61-3	STIGMAST-4-EN-3-ONE	16.55	180	JN
19.		UNKNOWN	17.26	320	J
20.		UNKNOWN	17.41	260	J
21.		UNKNOWN	18.52	200	J
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23.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: MB0530-I

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

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

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	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFE

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: MB0530-I

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

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

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	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKFE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: MB0530-I

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

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/30/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.79	350	J
2.		UNKNOWN	2.94	430	J
3.		UNKNOWN	2.99	140	J
4.		UNKNOWN	3.93	94	J
5.	57-10-3	HEXADECANOIC ACID	8.73	82	JN
6.		UNKNOWN	11.04	230	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFF

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: MB0525-A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F20.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

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	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1699

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFF

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: MB0525-A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F20.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

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	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKFF

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: MB0525-A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 158F20.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/25/01

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/07/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.79	170	J
2.	UNKNOWN	2.94	350	J
3.	UNKNOWN	11.04	290	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

GC Column(1): CLPEST ID: 0.53(mm) GC Column(2): CLPESTII ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKA	60	64	66	65			0
02	PBLKB	78	82	76	80			0
03	E0030	65	63	82	68			0
04	E0020	100	236*	86	85			1
05	E0026	92	85	74	73			0
06	E0027	118	109	91	95			0
07	E0028	109	107	88	94			0
08	E0029	97	87	86	80			0
09	E0031	93	75	99	63			0
10	E0034	92	86	85	81			0
11	E0030MS	90	86	119	86			0
12	E0030MSD	81	76	101	77			0
13	E0022DL	99	60	1029D	324D			0
14	E0023DL	98	99	101	84			0
15	E0020DL	116	220D	213D	146			0
16	E0029DL	97	88	87	77			0
17	E0035	93	122	92	85			0
18	E0033	70	72	100	66			0
19	E0032	64	61	102	68			0
20	E0021	104	94	82	79			0
21	E0018	70	75	145	72			0
22	E0017	65	74	108	70			0
23	E0016	88	115	79	73			0
24	E0014	69	72	113	62			0
25	E0011	96	102	102	84			0
26	E0010	173*	156*	102	111			2
27	E0022	91	99	166*	211*			2
28	E0023	90	92	119	113			0
29	E0021DL	108	98	137	127			0
30	E0014DL	78	84	120	48			0

		QC LIMITS
TCX	= Tetrachloro-m-xylene	(30-150)
DCB	= Decachlorobiphenyl	(30-150)

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

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix Spike - EPA Sample NO.: E0030

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC(Lindane)	22	0	16	73	46-127
Heptachlor	22	0.31	19	85	35-130
Aldrin	22	0	18	82	34-132
Dieldrin	44	1.2	40	88	31-134
Endrin	44	0.43	35	79	42-139
4,4'-DDT	44	9.8	47	85	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	22	15	68	7	50	46-127
Heptachlor	22	19	85	0	31	35-130
Aldrin	22	18	82	0	43	34-132
Dieldrin	44	39	86	2	38	31-134
Endrin	44	35	79	0	45	42-139
4,4'-DDT	44	45	80	6	50	23-134

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

* Values outside of QC limits

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

Comments:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKA

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Lab Sample ID: BL010525C Lab File ID: 10F03095

Matrix: (soil/water) SOIL Extraction: (Type) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 05/25/01

Date Analyzed (1): 06/07/01 Date Analyzed (2): 06/07/01

Time Analyzed (1): 1805 Time Analyzed (2): 1805

Instrument ID (1): HP10F Instrument ID (2): HP10R

GC Column (1): CLPEST ID: 0.53(mm) GC Column (2): CLPESTII ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E0020	50081.09	06/08/01	06/08/01
02	E0026	50081.15	06/08/01	06/08/01
03	E0027	50081.16	06/08/01	06/08/01
04	E0028	50081.17	06/08/01	06/08/01
05	E0029	50081.18	06/08/01	06/08/01
06	E0022DL	50081.11D10	06/08/01	06/08/01
07	E0023DL	50081.12D5	06/08/01	06/08/01
08	E0020DL	50081.09D10	06/08/01	06/08/01
09	E0029DL	50081.18D5	06/08/01	06/08/01
10	E0021	50081.10	06/08/01	06/08/01
11	E0018	50081.07	06/08/01	06/08/01
12	E0017	50081.06	06/08/01	06/08/01
13	E0016	50081.05	06/08/01	06/08/01
14	E0014	50081.04	06/08/01	06/08/01
15	E0011	50081.02	06/08/01	06/08/01
16	E0010	50081.01	06/09/01	06/09/01
17	E0022	50081.11	06/09/01	06/09/01
18	E0023	50081.12	06/09/01	06/09/01
19	E0021DL	50081.10D5	06/09/01	06/09/01
20	E0014DL	50081.04D10	06/09/01	06/09/01
21				
22				
23				
24				
25				
26				

Comments:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKB

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Lab Sample ID: BL010530K Lab File ID: 10F03097

Matrix: (soil/water) SOIL Extraction: (Type) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 05/30/01

Date Analyzed (1): 06/07/01 Date Analyzed (2): 06/07/01

Time Analyzed (1): 1901 Time Analyzed (2): 1901

Instrument ID (1): HP10F Instrument ID (2): HP10R

GC Column (1): CLPEST ID: 0.53(mm) GC Column (2): CLPESTII ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E0030	50100.01	06/08/01	06/08/01
02	E0031	50100.04	06/08/01	06/08/01
03	E0034	50100.07	06/08/01	06/08/01
04	E0030MS	50100.02MS	06/08/01	06/08/01
05	E0030MSD	50100.03MSD	06/08/01	06/08/01
06	E0035	50100.08	06/08/01	06/08/01
07	E0033	50100.06	06/08/01	06/08/01
08	E0032	50100.05	06/08/01	06/08/01
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Comments:

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0010

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.01

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

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/01

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	5.3	U
319-85-7	beta-BHC	30	P
319-86-8	delta-BHC	9.9	P
58-89-9	gamma-BHC (Lindane)	5.3	U
76-44-8	Heptachlor	6.5	P
309-00-2	Aldrin	25	P
1024-57-3	Heptachlor epoxide	5.3	U
959-98-8	Endosulfan I	1.1	PJ
60-57-1	Dieldrin	8.5	J
72-55-9	4,4'-DDE	46	B
72-20-8	Endrin	1.7	PJ
33213-65-9	Endosulfan II	10	U
72-54-8	4,4'-DDD	130	
1031-07-8	Endosulfan sulfate	5.9	PJ
50-29-3	4,4'-DDT	13	PB
72-43-5	Methoxychlor	6.4	PJB
53494-70-5	Endrin ketone	4.6	PJB
7421-93-4	Endrin aldehyde	5.9	PJB
5103-71-9	alpha-Chlordane	13	P
5103-74-2	gamma-Chlordane	13	P
8001-35-2	Toxaphene	530	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	210	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	100	U
11096-82-5	Aroclor-1260	100	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0011

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.02

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

% Moisture: 54 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.63	PJ
319-85-7	beta-BHC	1.6	PJ
319-86-8	delta-BHC	1.2	PJ
58-89-9	gamma-BHC (Lindane)	3.7	U
76-44-8	Heptachlor	3.7	U
309-00-2	Aldrin	1.4	PJ
1024-57-3	Heptachlor epoxide	1.1	PJB
959-98-8	Endosulfan I	0.81	PJ
60-57-1	Dieldrin	3.7	PJ
72-55-9	4,4'-DDE	13	B
72-20-8	Endrin	7.2	U
33213-65-9	Endosulfan II	7.2	U
72-54-8	4,4'-DDD	40	
1031-07-8	Endosulfan sulfate	2.7	PJ
50-29-3	4,4'-DDT	16	B
72-43-5	Methoxychlor	2.6	PJB
53494-70-5	Endrin ketone	1.8	PJB
7421-93-4	Endrin aldehyde	3.2	PJB
5103-71-9	alpha-Chlordane	2.7	PJ
5103-74-2	gamma-Chlordane	3.1	J
8001-35-2	Toxaphene	370	U
12674-11-2	Aroclor-1016	72	U
11104-28-2	Aroclor-1221	150	U
11141-16-5	Aroclor-1232	72	U
53469-21-9	Aroclor-1242	72	U
12672-29-6	Aroclor-1248	72	U
11097-69-1	Aroclor-1254	72	U
11096-82-5	Aroclor-1260	72	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0014

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04

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

% Moisture: 54 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.7	U
319-85-7	beta-BHC	3.7	U
319-86-8	delta-BHC	3.7	U
58-89-9	gamma-BHC (Lindane)	3.7	U
76-44-8	Heptachlor	3.9	P
309-00-2	Aldrin	0.69	PJ
1024-57-3	Heptachlor epoxide	1.0	PJB
959-98-8	Endosulfan I	1.5	PJ
60-57-1	Dieldrin	3.7	PJ
72-55-9	4,4'-DDE	19	B
72-20-8	Endrin	7.2	U
33213-65-9	Endosulfan II	7.2	U
72-54-8	4,4'-DDD	68	
1031-07-8	Endosulfan sulfate	2.8	PJ
50-29-3	4,4'-DDT	6.7	PJB
72-43-5	Methoxychlor	6.9	PJB
53494-70-5	Endrin ketone	1.8	PJB
7421-93-4	Endrin aldehyde	3.0	PJB
5103-71-9	alpha-Chlordane	11	P
5103-74-2	gamma-Chlordane	8.4	
8001-35-2	Toxaphene	370	U
12674-11-2	Aroclor-1016	72	U
11104-28-2	Aroclor-1221	150	U
11141-16-5	Aroclor-1232	72	U
53469-21-9	Aroclor-1242	72	U
12672-29-6	Aroclor-1248	72	U
11097-69-1	Aroclor-1254	72	U
11096-82-5	Aroclor-1260	72	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0014DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.04D10

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

% Moisture: 54 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	37	U
319-85-7	beta-BHC	37	U
319-86-8	delta-BHC	37	U
58-89-9	gamma-BHC (Lindane)	37	U
76-44-8	Heptachlor	3.2	DPJ
309-00-2	Aldrin	37	U
1024-57-3	Heptachlor epoxide	37	U
959-98-8	Endosulfan I	37	U
60-57-1	Dieldrin	4.3	DPJ
72-55-9	4,4'-DDE	18	DJB
72-20-8	Endrin	72	U
33213-65-9	Endosulfan II	72	U
72-54-8	4,4'-DDD	65	DJ
1031-07-8	Endosulfan sulfate	7.0	DPJ
50-29-3	4,4'-DDT	13	DPJB
72-43-5	Methoxychlor	29	DPJB
53494-70-5	Endrin ketone	72	U
7421-93-4	Endrin aldehyde	15	DPJB
5103-71-9	alpha-Chlordane	13	DPJ
5103-74-2	gamma-Chlordane	9.9	DJ
8001-35-2	Toxaphene	3700	U
12674-11-2	Aroclor-1016	720	U
11104-28-2	Aroclor-1221	1500	U
11141-16-5	Aroclor-1232	720	U
53469-21-9	Aroclor-1242	720	U
12672-29-6	Aroclor-1248	720	U
11097-69-1	Aroclor-1254	720	U
11096-82-5	Aroclor-1260	720	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0016

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.05

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

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.47	PJ
319-85-7	beta-BHC	2.3	P
319-86-8	delta-BHC	1.0	J
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	1.2	PJ
309-00-2	Aldrin	1.3	J
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	0.76	PJ
72-55-9	4,4'-DDE	4.2	B
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	15	
1031-07-8	Endosulfan sulfate	1.5	J
50-29-3	4,4'-DDT	1.6	JB
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	0.85	PJB
7421-93-4	Endrin aldehyde	1.2	JB
5103-71-9	alpha-Chlordane	0.95	PJ
5103-74-2	gamma-Chlordane	1.2	PJ
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0017

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.06

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

% Moisture: 48 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

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	3.3	U
319-85-7	beta-BHC	0.64	J
319-86-8	delta-BHC	3.3	U
58-89-9	gamma-BHC (Lindane)	3.3	U
76-44-8	Heptachlor	3.3	U
309-00-2	Aldrin	3.3	U
1024-57-3	Heptachlor epoxide	0.46	PJB
959-98-8	Endosulfan I	0.82	PJ
60-57-1	Dieldrin	2.1	PJ
72-55-9	4,4'-DDE	11	B
72-20-8	Endrin	6.3	U
33213-65-9	Endosulfan II	6.3	U
72-54-8	4,4'-DDD	23	
1031-07-8	Endosulfan sulfate	3.3	PJ
50-29-3	4,4'-DDT	13	PB
72-43-5	Methoxychlor	1.5	PJB
53494-70-5	Endrin ketone	1.8	PJB
7421-93-4	Endrin aldehyde	2.7	PJB
5103-71-9	alpha-Chlordane	3.0	PJ
5103-74-2	gamma-Chlordane	2.5	J
8001-35-2	Toxaphene	330	U
12674-11-2	Aroclor-1016	63	U
11104-28-2	Aroclor-1221	130	U
11141-16-5	Aroclor-1232	63	U
53469-21-9	Aroclor-1242	63	U
12672-29-6	Aroclor-1248	63	U
11097-69-1	Aroclor-1254	63	U
11096-82-5	Aroclor-1260	63	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0018

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.07

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	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	0.31	PJB
959-98-8	Endosulfan I	0.80	PJ
60-57-1	Dieldrin	1.9	PJ
72-55-9	4,4'-DDE	11	PB
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	22	
1031-07-8	Endosulfan sulfate	1.5	PJ
50-29-3	4,4'-DDT	7.0	PB
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	1.3	PJB
7421-93-4	Endrin aldehyde	2.0	PJB
5103-71-9	alpha-Chlordane	2.6	P
5103-74-2	gamma-Chlordane	2.3	
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0020

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	28	P
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	17	P
76-44-8	Heptachlor	32	P
309-00-2	Aldrin	28	P
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	0.67	PJ
60-57-1	Dieldrin	0.89	PJ
72-55-9	4,4'-DDE	1.6	PJB
72-20-8	Endrin	0.55	PJ
33213-65-9	Endosulfan II	1.2	J
72-54-8	4,4'-DDD	2.9	PJ
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	5.0	PB
72-43-5	Methoxychlor	10	PJB
53494-70-5	Endrin ketone	1.7	JB
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	1.1	PJ
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0020DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.09D10

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	37	DP
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	23	DP
76-44-8	Heptachlor	39	DP
309-00-2	Aldrin	22	DP
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	22	DJ
72-55-9	4,4'-DDE	1.7	DPJB
72-20-8	Endrin	22	DPJ
33213-65-9	Endosulfan II	42	U
72-54-8	4,4'-DDD	1.2	DPJ
1031-07-8	Endosulfan sulfate	42	U
50-29-3	4,4'-DDT	26	DJB
72-43-5	Methoxychlor	6.6	DJB
53494-70-5	Endrin ketone	2.8	DPJB
7421-93-4	Endrin aldehyde	42	U
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	420	U
11104-28-2	Aroclor-1221	860	U
11141-16-5	Aroclor-1232	420	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	420	U
11096-82-5	Aroclor-1260	420	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0021

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.10

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

% Moisture: 5 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.084	PJ
319-85-7	beta-BHC	0.73	PJ
319-86-8	delta-BHC	0.33	PJ
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	2.1	P
1024-57-3	Heptachlor epoxide	0.86	PJB
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	0.87	J
72-55-9	4,4'-DDE	25	B
72-20-8	Endrin	2.5	PJ
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	83	E
1031-07-8	Endosulfan sulfate	0.82	J
50-29-3	4,4'-DDT	66	EB
72-43-5	Methoxychlor	1.1	PJB
53494-70-5	Endrin ketone	1.3	JB
7421-93-4	Endrin aldehyde	1.1	PJB
5103-71-9	alpha-Chlordane	0.86	PJ
5103-74-2	gamma-Chlordane	1.0	PJ
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0021DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.10D5

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

% Moisture: 6 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.0	U
319-85-7	beta-BHC	9.0	U
319-86-8	delta-BHC	9.0	U
58-89-9	gamma-BHC (Lindane)	9.0	U
76-44-8	Heptachlor	9.0	U
309-00-2	Aldrin	1.5	DPJ
1024-57-3	Heptachlor epoxide	0.63	DPJB
959-98-8	Endosulfan I	9.0	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	22	DB
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II	18	U
72-54-8	4,4'-DDD	84	D
1031-07-8	Endosulfan sulfate	0.51	DPJ
50-29-3	4,4'-DDT	59	DB
72-43-5	Methoxychlor	90	U
53494-70-5	Endrin ketone	1.1	DPJB
7421-93-4	Endrin aldehyde	18	U
5103-71-9	alpha-Chlordane	9.0	U
5103-74-2	gamma-Chlordane	0.77	DPJ
8001-35-2	Toxaphene	900	U
12674-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	360	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	180	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0022

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11

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

% Moisture: 4 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	0.18	PJ
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	0.96	PJ
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.6	PJB
959-98-8	Endosulfan I	1.3	J
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	9.0	PB
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	0.26	PJ
72-54-8	4,4'-DDD	3.6	P
1031-07-8	Endosulfan sulfate	18	P
50-29-3	4,4'-DDT	15	PB
72-43-5	Methoxychlor	7.1	PJB
53494-70-5	Endrin ketone	13	PB
7421-93-4	Endrin aldehyde	8.8	PB
5103-71-9	alpha-Chlordane	12	
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0022DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.11D10

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

% Moisture: 4 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	18	U
319-85-7	beta-BHC	18	U
319-86-8	delta-BHC	18	U
58-89-9	gamma-BHC (Lindane)	1.8	DPJ
76-44-8	Heptachlor	3.2	DPJ
309-00-2	Aldrin	18	U
1024-57-3	Heptachlor epoxide	3.9	DPJB
959-98-8	Endosulfan I	18	U
60-57-1	Dieldrin	6.0	DJ
72-55-9	4,4'-DDE	12	DPJB
72-20-8	Endrin	3.4	DPJ
33213-65-9	Endosulfan II	0.74	DPJ
72-54-8	4,4'-DDD	5.0	DPJ
1031-07-8	Endosulfan sulfate	34	U
50-29-3	4,4'-DDT	22	DPJB
72-43-5	Methoxychlor	180	U
53494-70-5	Endrin ketone	16	DPJB
7421-93-4	Endrin aldehyde	8.9	DPJB
5103-71-9	alpha-Chlordane	18	U
5103-74-2	gamma-Chlordane	18	U
8001-35-2	Toxaphene	1800	U
12674-11-2	Aroclor-1016	340	U
11104-28-2	Aroclor-1221	700	U
11141-16-5	Aroclor-1232	340	U
53469-21-9	Aroclor-1242	340	U
12672-29-6	Aroclor-1248	340	U
11097-69-1	Aroclor-1254	340	U
11096-82-5	Aroclor-1260	340	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0023

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12

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

% Moisture: 5 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.47	PJ
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	0.93	PJ
309-00-2	Aldrin	0.63	PJ
1024-57-3	Heptachlor epoxide	0.60	PJB
959-98-8	Endosulfan I	0.22	PJ
60-57-1	Dieldrin	1.2	J
72-55-9	4,4'-DDE	3.2	PJB
72-20-8	Endrin	1.0	J
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	4.9	P
1031-07-8	Endosulfan sulfate	2.9	PJ
50-29-3	4,4'-DDT	6.2	PB
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	2.7	P
5103-74-2	gamma-Chlordane	0.62	PJ
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0023DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.12D5

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

% Moisture: 5 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.9	U
319-85-7	beta-BHC	8.9	U
319-86-8	delta-BHC	8.9	U
58-89-9	gamma-BHC (Lindane)	8.9	U
76-44-8	Heptachlor	8.9	U
309-00-2	Aldrin	0.92	DPJ
1024-57-3	Heptachlor epoxide	0.92	DPJB
959-98-8	Endosulfan I	8.9	U
60-57-1	Dieldrin	1.8	DPJ
72-55-9	4,4'-DDE	3.8	DPJB
72-20-8	Endrin	3.1	DPJ
33213-65-9	Endosulfan II	17	U
72-54-8	4,4'-DDD	3.7	DPJ
1031-07-8	Endosulfan sulfate	3.5	DPJ
50-29-3	4,4'-DDT	8.0	DPJB
72-43-5	Methoxychlor	89	U
53494-70-5	Endrin ketone	17	U
7421-93-4	Endrin aldehyde	17	U
5103-71-9	alpha-Chlordane	8.9	U
5103-74-2	gamma-Chlordane	0.88	DJ
8001-35-2	Toxaphene	890	U
12674-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	350	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	170	U
12672-29-6	Aroclor-1248	170	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0026

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.15

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	0.51	PJ
1024-57-3	Heptachlor epoxide	1.6	JB
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	1.8	J
72-55-9	4,4'-DDE	20	B
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	15	P
1031-07-8	Endosulfan sulfate	0.83	PJ
50-29-3	4,4'-DDT	2.9	PJB
72-43-5	Methoxychlor	1.5	PJB
53494-70-5	Endrin ketone	0.80	PJB
7421-93-4	Endrin aldehyde	1.8	JB
5103-71-9	alpha-Chlordane	1.1	PJ
5103-74-2	gamma-Chlordane	1.4	PJ
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0027

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.16

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

% Moisture: 30 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.46	PJ
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	0.34	PJ
1024-57-3	Heptachlor epoxide	1.0	PJB
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	1.2	PJ
72-55-9	4,4'-DDE	2.7	PJB
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
72-54-8	4,4'-DDD	2.5	J
1031-07-8	Endosulfan sulfate	0.78	PJ
50-29-3	4,4'-DDT	2.3	JB
72-43-5	Methoxychlor	0.85	PJB
53494-70-5	Endrin ketone	0.87	PJB
7421-93-4	Endrin aldehyde	1.8	JB
5103-71-9	alpha-Chlordane	0.94	PJ
5103-74-2	gamma-Chlordane	0.72	PJ
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	96	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	47	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0028

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.17

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	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	0.86	PJB
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	0.72	PJ
72-55-9	4,4'-DDE	4.6	B
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	2.6	PJ
1031-07-8	Endosulfan sulfate	0.46	PJ
50-29-3	4,4'-DDT	3.8	JB
72-43-5	Methoxychlor	0.94	PJB
53494-70-5	Endrin ketone	1.4	JB
7421-93-4	Endrin aldehyde	1.1	PJB
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	0.88	PJ
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0029

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18

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

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

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	0.27	PJ
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	0.38	PJB
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	2.7	PJ
72-55-9	4,4'-DDE	7.9	B
72-20-8	Endrin	1.4	PJ
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	7.5	
1031-07-8	Endosulfan sulfate	1.2	J
50-29-3	4,4'-DDT	9.6	PB
72-43-5	Methoxychlor	2.8	PJB
53494-70-5	Endrin ketone	1.4	JB
7421-93-4	Endrin aldehyde	2.4	JB
5103-71-9	alpha-Chlordane	1.9	PJ
5103-74-2	gamma-Chlordane	1.3	PJ
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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0029DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50081.18D5

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

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/23/01

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	2.3	DPJ
76-44-8	Heptachlor	2.6	DPJ
309-00-2	Aldrin	2.1	DPJ
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	7.9	DJ
72-55-9	4,4'-DDE	7.8	DJB
72-20-8	Endrin	4.5	DPJ
33213-65-9	Endosulfan II	20	U
72-54-8	4,4'-DDD	7.5	DJ
1031-07-8	Endosulfan sulfate	1.0	DPJ
50-29-3	4,4'-DDT	13	DPJB
72-43-5	Methoxychlor	4.3	DPJB
53494-70-5	Endrin ketone	1.6	DJB
7421-93-4	Endrin aldehyde	2.5	DPJB
5103-71-9	alpha-Chlordane	1.8	DPJ
5103-74-2	gamma-Chlordane	1.2	DPJ
8001-35-2	Toxaphene	1000	U
12674-11-2	Aroclor-1016	200	U
11104-28-2	Aroclor-1221	400	U
11141-16-5	Aroclor-1232	200	U
53469-21-9	Aroclor-1242	200	U
12672-29-6	Aroclor-1248	200	U
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	200	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.01

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

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/24/01

Extraction: (Type) SONC Date Extracted: 05/30/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	0.67	PJ
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	0.31	PJ
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	0.33	PJ
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	1.2	PJ
72-55-9	4,4'-DDE	11	P
72-20-8	Endrin	0.43	PJ
33213-65-9	Endosulfan II	1.0	PJ
72-54-8	4,4'-DDD	6.1	
1031-07-8	Endosulfan sulfate	0.77	PJ
50-29-3	4,4'-DDT	9.8	B
72-43-5	Methoxychlor	1.1	PJB
53494-70-5	Endrin ketone	1.5	PJB
7421-93-4	Endrin aldehyde	1.5	PJ
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	0.38	PJ
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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.02MS

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

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/24/01

Extraction: (Type) SONC Date Extracted: 05/30/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.41	PJ
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	16	
76-44-8	Heptachlor	19	
309-00-2	Aldrin	18	
1024-57-3	Heptachlor epoxide	0.49	PJ
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	40	
72-55-9	4,4'-DDE	19	
72-20-8	Endrin	35	
33213-65-9	Endosulfan II	2.0	J
72-54-8	4,4'-DDD	9.1	
1031-07-8	Endosulfan sulfate	1.5	PJ
50-29-3	4,4'-DDT	47	B
72-43-5	Methoxychlor	4.1	PJB
53494-70-5	Endrin ketone	5.2	PB
7421-93-4	Endrin aldehyde	3.5	J
5103-71-9	alpha-Chlordane	2.5	P
5103-74-2	gamma-Chlordane	1.2	PJ
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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0030MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.03MSD

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

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/24/01

Extraction: (Type) SONC Date Extracted: 05/30/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	15	
76-44-8	Heptachlor	19	
309-00-2	Aldrin	18	
1024-57-3	Heptachlor epoxide	0.68	PJ
959-98-8	Endosulfan I	0.33	PJ
60-57-1	Dieldrin	39	
72-55-9	4,4'-DDE	19	
72-20-8	Endrin	35	
33213-65-9	Endosulfan II	1.1	PJ
72-54-8	4,4'-DDD	8.6	
1031-07-8	Endosulfan sulfate	1.5	J
50-29-3	4,4'-DDT	45	B
72-43-5	Methoxychlor	1.5	PJB
53494-70-5	Endrin ketone	5.5	PB
7421-93-4	Endrin aldehyde	3.6	J
5103-71-9	alpha-Chlordane	0.87	PJ
5103-74-2	gamma-Chlordane	0.98	J
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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.04

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/24/01

Extraction: (Type) SONC Date Extracted: 05/30/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	43	E
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	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0032

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.05

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

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/24/01

Extraction: (Type) SONC Date Extracted: 05/30/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 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	PJ
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	0.51	PJ
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.1	P
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	6.4	
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	1.5	JB
72-43-5	Methoxychlor	1.4	PJB
53494-70-5	Endrin ketone	2.0	PJB
7421-93-4	Endrin aldehyde	1.1	PJ
5103-71-9	alpha-Chlordane	0.61	PJ
5103-74-2	gamma-Chlordane	0.65	PJ
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0033

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.06

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

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/24/01

Extraction: (Type) SONC Date Extracted: 05/30/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.4	P
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	0.53	PJ
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	12	P
72-55-9	4,4'-DDE	12	P
72-20-8	Endrin	1.4	PJ
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	8.0	
1031-07-8	Endosulfan sulfate	4.9	P
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	8.5	PJB
53494-70-5	Endrin ketone	4.4	PB
7421-93-4	Endrin aldehyde	11	P
5103-71-9	alpha-Chlordane	1.8	PJ
5103-74-2	gamma-Chlordane	7.4	P
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	840	
11096-82-5	Aroclor-1260	41	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0034

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.07

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

% Moisture: 28 Decanted: (Y/N) N Date Received: 05/24/01

Extraction: (Type) SONC Date Extracted: 05/30/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	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	0.82	PJ
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	1.2	PJ
72-55-9	4,4'-DDE	11	
72-20-8	Endrin	0.72	PJ
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.9	
1031-07-8	Endosulfan sulfate	0.60	PJ
50-29-3	4,4'-DDT	19	B
72-43-5	Methoxychlor	2.2	PJB
53494-70-5	Endrin ketone	1.1	PJB
7421-93-4	Endrin aldehyde	1.6	J
5103-71-9	alpha-Chlordane	0.61	PJ
5103-74-2	gamma-Chlordane	1.1	PJ
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

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0035

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: 50100.08

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

% Moisture: 26 Decanted: (Y/N) N Date Received: 05/24/01

Extraction: (Type) SONC Date Extracted: 05/30/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	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	0.21	PJ
1024-57-3	Heptachlor epoxide	0.42	PJ
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	3.6	PJ
72-55-9	4,4'-DDE	5.9	P
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	0.94	PJ
72-54-8	4,4'-DDD	5.2	
1031-07-8	Endosulfan sulfate	0.93	PJ
50-29-3	4,4'-DDT	3.1	PJB
72-43-5	Methoxychlor	1.1	PJB
53494-70-5	Endrin ketone	1.3	PJB
7421-93-4	Endrin aldehyde	1.1	PJ
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	0.56	PJ
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.

PBLKA

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: BL010525C

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

% Moisture: _____ Decanted: (Y/N)___ Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/07/01

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	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	0.26	PJ
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	0.11	PJ
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	0.29	PJ
72-43-5	Methoxychlor	1.1	PJ
53494-70-5	Endrin ketone	0.37	PJ
7421-93-4	Endrin aldehyde	0.76	PJ
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKB

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0010

Matrix: (soil/water) SOIL Lab Sample ID: BL010530K

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

% Moisture: _____ Decanted: (Y/N)___ Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/30/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/07/01

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	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	0.047	PJ
72-43-5	Methoxychlor	0.32	J
53494-70-5	Endrin ketone	0.12	PJ
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0010 CERCLIS No: ILD000768481

Case No: 29298 Site Name/Location: CLIFF'S CONTAINER

Contractor or EPA Lab: ATS Data User: IEPA

No. of Samples: 20 Date Sampled or Date Received: 6-15-01

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ✓ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 20 No. of samples received: 20

Received by: Eva H. Dixon/ESAT Date: 6-15-01

Received by LSSS: Eva H. Dixon/ESAT Date: 6-15-01

Review started: ____ Reviewer Signature: ____

Total time spent on review: ____ Date review completed: ____

Copied by: Nicole Jackson/ESAT Date: 6/27/01

Mailed to user by: Nicole Jackson/ESAT Date: 6/27/01

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: ____

DATE: June 12, 2001

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: CLIFF CONTAINER

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
29298	SENTINEL	20	ME0010	SOIL

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

RECEIVED
JUN 15 2001
IEPA-BOL-FSRS

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

JUN 1 2 2001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: June 12, 2001

SUBJECT: Review of Data
Received for Review on June 8, 2001

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

The data in this case has not been validated.
We have compiled the CADRE files into a narrative format for the following case:

SITE NAME: Cliff Container

CASE NUMBER: 29298 SDG NUMBER: ME0010

Number and Type of Samples: 20 soils

Sample Numbers: ME0010,11,14,16-18,20-23,26-35

Laboratory: Sentinel Hrs. for Review: 2

Following are our findings:

RECEIVED
JUN 1 5 2001
IEPA-BOL-FSRS

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

Case Number : 29298
Site Name: Cliff Container

SDG Number: ME0010
Laboratory: Sentinel

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

NUMBER (##) MATRIX samples numbered ##, were collected on DATE. The lab received the samples on DATE in good condition. All samples were analyzed for metals and cyanide. All samples were analyzed using CLP SOW ILM04.1 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. Cyanide analysis was performed using the MIDI Distillation procedure. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

Assembled By: ESAT
Date: June 12, 2001

Case Number : 29298
Site Name: Cliff Container

SDG Number: ME0010
Laboratory: Sentinel

1. HOLDING TIME:

Holding Time Report

SDG NO: ME0010

HOLDING TIME CRITERIA

Inorganic

	-- Holding Time --		------- pH -------	
	Primary	Expanded	Primary	Expanded
Metals	180	0	2.0	0.0
Mercury	28	0	2.0	0.0
Cyanide	14	0	12.0	0.0

DC-280: The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

ME0010, ME0010D, ME0010S, ME0011, ME0014, ME0016
ME0017, ME0018, ME0020, ME0021, ME0022, ME0023
ME0026, ME0027, ME0028, ME0029, ME0030, ME0031
ME0032, ME0033, ME0034, ME0035

2. CALIBRATIONS:

Calibration Report

SDG NO: ME0010

CALIBRATION CRITERIA

Inorganic

Percent Recovery Limits

	--- Primary ---		-- Expanded ---	
	Low	High	Low	High
Cyanide	85.00	115.00	70.00	130.00
AA	90.00	110.00	75.00	125.00
ICP	90.00	110.00	75.00	125.00
Mercury	80.00	120.00	65.00	135.00

No problems found for this qualification.

Assembled By: ESAT
Date: June 12, 2001

Case Number : 29298
Site Name: Cliff Container

SDG Number: ME0010
Laboratory: Sentinel

CRDL Standards Report

SDG NO: ME0010

DC-373: The following inorganic samples are associated with a CRDL standard with low percent recovery.

Arsenic
ME0010, ME0011, ME0014, ME0016, ME0017, ME0018
ME0020, ME0021, ME0022, ME0023, ME0026, ME0027
ME0028, ME0029, ME0030, ME0031, ME0032, ME0033
ME0034, ME0035, PBS02

Selenium
ME0010, ME0011, ME0014, ME0016, ME0017, ME0018
ME0020, ME0021, ME0022, ME0023, ME0026, ME0027
ME0028, ME0029, ME0030, ME0031, ME0032, ME0033
ME0034, ME0035, PBS02

Thallium
ME0010, ME0011, ME0014, ME0016, ME0017, ME0018
ME0020, ME0021, ME0022, ME0023, ME0026, ME0027
ME0028, ME0029, ME0030, ME0031, ME0032, ME0033
ME0034, ME0035, PBS02

3. BLANKS:

Laboratory Blanks Report

SDG NO: ME0010

LABORATORY BLANKS CRITERIA

DC-281: The following inorganic samples have no associated preparation blank.
Manual review of the data is required.

ME0010
Cyanide

ME0010D
Cyanide

ME0010S
Cyanide

ME0011
Cyanide

ME0014
Cyanide

ME0016

Assembled By: ESAT
Date: June 12, 2001

Cyanide

ME0017
Cyanide

DC-284: The following inorganic samples are associated with a blank concentration which is greater than the instrument detection limit (IDL). The sample concentration is also greater than the IDL and less than five times the blank concentration. Hits are qualified "J"; non-detects are not flagged.

Arsenic
ME0010A

Manganese
ME0010A

Cyanide
ME0010A, ME0021, ME0022, ME0027, ME0028, ME0031
ME0035

DC-338: During review of the following inorganic samples, the reported IDL/default CRDL value was used for cyanide.

ME0010, ME0010A, ME0010D, ME0010S, ME0011, ME0014
ME0016, ME0017, ME0018, ME0020, ME0021, ME0022
ME0023, ME0026, ME0027, ME0028, ME0029, ME0030
ME0031, ME0032, ME0033, ME0034, ME0035

MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

Matrix Spike Report

SDG NO: ME0010

MATRIX SPIKE CRITERIA

Inorganic

Percent Recovery Limits

Upper	125.0
Lower	75.0
Extreme lower	30.0

DC-268: The following inorganic samples are associated with a matrix spike recovery which is low (30-74 %) indicating that sample results may be biased low.
Hits are qualified "J" and non-detects are qualified "UJ".

Antimony
ME0010, ME0010A, ME0010D, ME0011, ME0014, ME0016
ME0017, ME0018, ME0020, ME0021, ME0022, ME0023
ME0026, ME0027, ME0028, ME0029, ME0030, ME0031
ME0032, ME0033, ME0034, ME0035

Assembled By: ESAT
Date: June 12, 2001

Arsenic
ME0010, ME0010A, ME0010D, ME0011, ME0014, ME0016
ME0017, ME0018, ME0020, ME0021, ME0022, ME0023
ME0026, ME0027, ME0028, ME0029, ME0030, ME0031
ME0032, ME0033, ME0034, ME0035

Manganese
ME0010, ME0010A, ME0010D, ME0011, ME0014, ME0016
ME0017, ME0018, ME0020, ME0021, ME0022, ME0023
ME0026, ME0027, ME0028, ME0029, ME0030, ME0031
ME0032, ME0033, ME0034, ME0035

Cyanide
ME0010, ME0010A, ME0010D, ME0011, ME0014, ME0016
ME0017, ME0018, ME0020, ME0021, ME0022, ME0023
ME0026, ME0027, ME0028, ME0029, ME0030, ME0031
ME0032, ME0033, ME0034, ME0035

LCS Report

SDG NO: ME0010

No problems found for this qualification.

5. LABORATORY AND FIELD DUPLICATE

Duplicates Report

SDG NO: ME0010

DC-256: The following inorganic samples are associated with duplicate results which did not meet relative percent difference (RPD) criteria.
Hits are qualified "J" and non-detects are qualified "UJ".

Calcium
ME0010, ME0011, ME0014, ME0016, ME0017, ME0018
ME0020, ME0021, ME0022, ME0023, ME0026, ME0027
ME0028, ME0029, ME0030, ME0031, ME0032, ME0033
ME0034, ME0035

6. ICP ANALYSIS

ICS Report

SDG NO: ME0010

DC-312: The following inorganic samples have elements other than Al, Ca, Fe, and Mg at concentrations higher than 10 ppm that may cause

potential interference.
Hits are flagged "J" and non-detects are qualified "UJ".

Manganese
ME0026, ME0027, ME0029

Serial Dilution Report

SDG NO: ME0010

DC-295: The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The serial dilution result is greater than the sample result, indicating a potential negative interference. The data must be qualified using professional judgement. Hits are qualified "J", non-detects "UJ".

Copper
ME0010, ME0010D, ME0010S, ME0011, ME0014, ME0016
ME0017, ME0018, ME0020, ME0021, ME0022, ME0023
ME0026, ME0027, ME0028, ME0029, ME0030, ME0031
ME0032, ME0033, ME0034, ME0035

7. GFAA ANALYSIS

Furnace AA QC Report

SDG NO: ME0010

No problems found for this qualification.

8. SAMPLE RESULTS

All data, except those qualified above, are acceptable.

Sample Result Verification Report

SDG NO: ME0010

No problems found for this qualification.

Assembled By: ESAT
Date: June 12, 2001

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The data are unusable. (The compound may or may not be present)

Analytical Results (Qualified Data)

Case #: 29298 SDG : ME0010
Site : CLIFFS CONTAINER
Lab. : SENTIN
Reviewer :
Date :

Number of Soil Samples : 20
Number of Water Samples : 0

Sample Number :	ME0010		ME0011		ME0014		ME0016		ME0017	
Sampling Location :	S102		S101		S103		S104		S105	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	*mg/Kg*		*mg/Kg*		*mg/Kg*		*mg/Kg*		*mg/Kg*	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:10		11:15		11:55		12:45		13:15	
%Solids :	43.0		51.0		30.5		78.7		57.1	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	10500		9430		18400		4170		4940	
ANTIMONY	1.6	J	1.2	UJ	2.2	J	0.86	J	1.2	J
ARSENIC	10.1	J	6.8	J	8.8	J	3.4	J	2.5	J
BARIUM	119		119		267		39.5		99.0	
BERYLLIUM	0.68		0.58		1.1		0.31		0.29	
CADMIUM	3.2		2.0		5.5		0.66		0.68	
CALCIUM	58500	J	58400	J	64400	J	107000	J	52100	J
CHROMIUM	53.8		36.3		142		12.2		19.4	
COBALT	10.6		9.3		16.3		2.9		4.2	
COPPER	73.6	J	35.2	J	87.5	J	12.1	J	27.7	J
IRON	24300		19100		31900		9900		10100	
LEAD	111		60.0		221		31.7		44.6	
MAGNESIUM	20800		32600		38400		67000		25600	
MANGANESE	382	J	288	J	380	J	247	J	277	J
MERCURY	0.23		0.14		0.28		0.060	U	0.080	U
NICKEL	37.1		26.8		67.5		9.1		11.7	
POTASSIUM	2090		1910		3690		1060		1090	
SELENIUM	1.6	U	1.3	U	2.2	U	0.86	U	1.2	U
SILVER	2.2		1.5		4.3		0.20	U	0.80	
SODIUM	600		594		1010		440		523	
THALLIUM	1.8	U	1.5	U	2.6	U	0.99	U	1.3	U
VANADIUM	23.7		18.5		35.0		10.3		10.4	
ZINC	300		171		414		54.4		112	
CYANIDE	0.13	UJ	0.11	UJ	0.18	UJ	0.070	UJ	0.10	UJ

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case #: 29298 SDG : ME0010
Site : CLIFFS CONTAINER
Lab. : SENTIN
Reviewer :
Date :

Sample Number :	ME0018		ME0020		ME0021		ME0022		ME0023	
Sampling Location :	S106		X101		X102		X103		X104	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	13:15		14:30		14:50		15:10		15:30	
%Solids :	54.1		78.0		93.3		93.3		92.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	6070		11400		5180		2980		2350	
ANTIMONY	1.1	UJ	0.77	UJ	0.63	UJ	0.64	UJ	0.65	UJ
ARSENIC	4.9	J	8.5	J	2.5	J	1.6	J	2.8	J
BARIUM	106		264		60.7		29.1		97.0	
BERYLLIUM	0.38		0.78		0.72		0.27		0.21	
CADMIUM	1.1		0.31		0.17		0.070		0.21	
CALCIUM	53500	J	80100	J	147000	J	143000	J	137000	J
CHROMIUM	26.1		16.5		11.0		3.7		8.6	
COBALT	5.4		9.8		1.8		1.9		3.3	
COPPER	36.2	J	20.3	J	12.4	J	3.6	J	14.1	J
IRON	12700		24900		8330		5820		15600	
LEAD	64.0		33.8		198		9.7		41.1	
MAGNESIUM	30100		45900		86500		82100		88000	
MANGANESE	353	J	2260	J	777	J	465	J	354	J
MERCURY	0.080	U	0.080		0.050	U	0.050	U	0.050	U
NICKEL	15.4		21.8		4.6		4.6		7.9	
POTASSIUM	1400		2520		839		920		673	
SELENIUM	1.3	U	0.87	U	0.71	U	0.72	U	0.74	U
SILVER	1.1		0.47		0.86		0.17	U	0.17	U
SODIUM	550		364		379		313		533	
THALLIUM	1.4	U	1.0	U	0.82	U	0.83	U	0.85	U
VANADIUM	12.6		25.3		7.3		6.5		7.7	
ZINC	152		88.7		34.9		12.2		218	
CYANIDE	0.10	UJ	0.070	UJ	1.1	J	0.96	J	1.3	J

Analytical Results (Qualified Data)

Case #: 29298 SDG : ME0010
Site : CLIFFS CONTAINER
Lab. : SENTIN
Reviewer :
Date :

Sample Number :	ME0026		ME0027		ME0028		ME0029		ME0030	
Sampling Location :	X105		X106		X107		X108		X109	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/23/2001	
Time Sampled :	15:40		16:00		16:20		16:20		08:20	
%Solids :	67.2		76.2		78.4		71.8		70.4	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	14700		11100		15300		16900		13700	
ANTIMONY	0.88	UJ	1.4	J	1.2	J	0.83	UJ	1.2	J
ARSENIC	9.7	J	13.2	J	9.4	J	12.0	J	11.8	J
BARIUM	530		450		120		378		148	
BERYLLIUM	1.0		0.80		0.88		1.1		0.91	
CADMIUM	0.53		0.39		0.28		0.080	U	1.5	
CALCIUM	27000	J	31100	J	17200	J	13800	J	19000	J
CHROMIUM	27.1		20.0		25.2		25.8		31.2	
COBALT	19.2		19.0		11.2		19.4		13.0	
COPPER	31.8	J	18.2	J	28.2	J	20.8	J	43.2	J
IRON	41400		38200		29900		45500		27000	
LEAD	59.5		32.2		41.1		26.6		122	
MAGNESIUM	16300		17900		11000		9650		10700	
MANGANESE	5490	J	5240	J	1160	J	3290	J	1160	J
MERCURY	0.11		0.080		0.080		0.10		0.14	
NICKEL	37.9		35.7		27.6		31.1		29.1	
POTASSIUM	2860		1810		2270		2230		2150	
SELENIUM	1.2		0.89	U	0.85	U	0.94	U	0.95	U
SILVER	1.4		1.4		0.89		1.4		0.87	
SODIUM	402		418		321		414		230	
THALLIUM	1.1	U	1.0	U	0.98	U	1.1	U	1.1	U
VANADIUM	32.9		27.1		30.5		38.6		31.9	
ZINC	137		91.1		125		101		402	
CYANIDE	0.080	UJ	0.10	J	1.3	J	0.080	UJ	0.080	UJ

Analytical Results (Qualified Data)

Case #: 29298 SDG : ME0010
Site : CLIFFS CONTAINER
Lab. : SENTIN
Reviewer :
Date :

Sample Number :	ME0031		ME0032		ME0033		ME0034		ME0035	
Sampling Location :	X110		X111		X112		X113		X114	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	05/23/2001		05/23/2001		05/23/2001		05/23/2001		05/23/2001	
Time Sampled :	08:35		08:50		09:00		09:40		10:30	
%Solids :	86.3		82.6		74.3		80.1		67.4	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	4150		7830		5330		10600		15200	
ANTIMONY	1.7	J	0.80	J	1.7	J	0.75	UJ	1.7	J
ARSENIC	3.4	J	8.6	J	6.8	J	9.3	J	11.3	J
BARIUM	216		64.1		144		152		151	
BERYLLIUM	0.39		0.50		0.80		0.56		1.0	
CADMIUM	0.32		0.12		1.5		0.42		2.1	
CALCIUM	138000	J	85400	J	104000	J	63600	J	21400	J
CHROMIUM	6.7		15.7		15.6		19.3		38.1	
COBALT	2.9		7.0		4.2		8.5		11.6	
COPPER	50.9	J	31.1	J	48.1	J	26.9	J	119	J
IRON	8780		19700		13400		20700		27600	
LEAD	82.3		59.0		216		53.1		174	
MAGNESIUM	86200		49000		60900		38500		12700	
MANGANESE	408	J	549	J	344	J	795	J	1728	J
MERCURY	0.060		0.090		0.080		0.080		0.31	
NICKEL	7.5		19.3		15.7		19.4		30.6	
POTASSIUM	814		1950		1350		2280		2850	
SELENIUM	0.78	U	0.82	U	0.91	U	0.85	U	1.5	
SILVER	0.18	U	0.26		0.65		0.40		1.5	
SODIUM	1040		524		719		345		290	
THALLIUM	0.89	U	0.94	U	1.0	U	0.97	U	1.1	U
VANADIUM	9.2		18.3		13.2		26.0		30.2	
ZINC	92.1		114		411		110		442	
CYANIDE	0.14	J	0.070	UJ	0.070	UJ	0.070	UJ	0.37	J

Analytical Results (Qualified Data)

Case #: 29298 SDG : ME0010
Site : CLIFFS CONTAINER
Lab. : SENTIN
Reviewer :
Date :

Sample Number :	ME0010D		ME0010S							
Sampling Location :	S102		S102							
Matrix :	Soil		Soil							
Units :	mg/Kg		mg/Kg							
Date Sampled :	05/22/2001		05/22/2001							
Time Sampled :	11:10		11:10							
%Solids :	36.6		43.0							
Dilution Factor :	1.0		1.0							
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	10300									
ANTIMONY	1.4	UJ	145							
ARSENIC	9.5	J	22.6							
BARIUM	112		1020							
BERYLLIUM	0.62		22.5							
CADMIUM	3.2		25.3							
CALCIUM	33300									
CHROMIUM	56.5		137							
COBALT	11.3		230							
COPPER	83.4	J	192	J						
IRON	23400									
LEAD	114		98.5							
MAGNESIUM	16600									
MANGANESE	329	J	548							
MERCURY	0.19		1.3							
NICKEL	37.4		249							
POTASSIUM	2090									
SELENIUM	1.6	U	5.6							
SILVER	2.5		24.8							
SODIUM	604									
THALLIUM	1.8	U	20.0							
VANADIUM	26.3		239							
ZINC	316		513							
CYANIDE	0.13	UJ	5.5							

U.S.EPA Contract Laboratory Program
Inorganic Traffic Report

Case No: 29298
DAS No:
SDG No: ME0010

L

Date Shipped: 5/23/01 Carrier Name: FedEx Airbill: 4684285163 Shipped to: Sentinel Inc. 110 Washington Street, NE Huntsville AL 35801 (256) 534-9800	Date Received/Received by: 5/24/01 K. Hayes Lab Contract No: 68W00085 Unit Price: 100.00 Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): Tony Wasilewski Relinquished By: Edward Hayes Relinquished By: Relinquished By:	Date / Time: 5-23/1700 Date / Time: Date / Time:
			Received By: Received By: Received By:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME0010	Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43471 (Ice Only) (1)	S102	5/22/01 11:10	E0010	
ME0011	Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43475 (1)	S101	5/22/01 11:15	E0011	
ME0014	Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43486 (Ice Only) (1)	S103	5/22/01 11:55	E0014	
ME0016	Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43490 (1)	S104	5/22/01 12:45	E0016	
ME0017	Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43494 (1)	S105	5/22/01 13:15	E0017	
ME0018	Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43498 (1)	S106	5/22/01 13:15	E0018	
ME0020	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43269 (Ice Only) (1)	X101	5/22/01 14:30	E0020	
ME0021	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43273 (1)	X102	5/22/01 14:50	E0021	
ME0022	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43277 (Ice Only) (1)	X103	5/22/01 15:10	E0022	
ME0023	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43281 (1)	X104	5/22/01 15:30	E0023	
ME0026	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43294 (Ice Only) (1)	X105	5/22/01 15:40	E0026	
ME0027	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43298 (Ice Only) (1)	X106	5/22/01 16:00	E0027	
ME0028	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43304 (Ice Only) (1)	X107	5/22/01 16:20	E0028	
ME0029	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43308 (Ice Only) (1)	X108	5/22/01 16:20	E0029	
ME0030	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43312 (Ice Only) (1)	X109	5/23/01 8:20	E0030	

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3.5°C	Chain of Custody Seal Number: 26090
Analysis Key: TM/CN = CLP TAL Total Metals and Cyanide	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Y	Shipment Iced? Y

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-052301-0001

USEPA Contract Laboratory Program
Inorganic Traffic Report

Case No: 29298
DAS No:
SDG No: ME0010

L

Date Shipped: 5/23/01 Carrier Name: FedEx Airbill: 4684285163 Shipped to: Sentinel Inc. 116 Washington Street, NE Huntsville AL 35801 (256) 534-9800	Date Received/Received by: 5/24/01 K. Hayes Lab Contract No: 68W00085 Unit Price: 100.00 Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): Tony Wasilewski Relinquished By: Laura Rayes — Date / Time: 5-23/1700 — Received By: Relinquished By: — Date / Time: — Received By: Relinquished By: — Date / Time: — Received By:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME0031	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43316 (Ice Only) (1)	X110	5/23/01 8:35	E0031	
ME0032	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43320 (Ice Only) (1)	X111	5/23/01 8:50	E0032	
ME0033	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43324 (Ice Only) (1)	X112	5/23/01 9:00	E0033	
ME0034	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43328 (Ice Only) (1)	X113	5/23/01 9:40	E0034	
ME0035	Soil/Sediment/ Tony Wasilewski	L/G	TM/CN (21)	5-43332 (1) all "Ice Only"	X114	5/23/01 10:30	E0035	

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3.5°C	Chain of Custody Seal Number: 26096
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Y	Shipment Iced? Y

TM/CN = CLP TAL Total Metals and Cyanide

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-052301-0001

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U.S. EPA - CLP

JUN 0 8 2001

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

SOW No.: ILM04.1

EPA SAMPLE NO.	Lab Sample ID.
ME0010	38138S
ME0010D	38138S2
ME0010S	38138MS
ME0011	38139S
ME0014	38140S
ME0016	38141S
ME0017	38142S
ME0018	38143S
ME0020	38144S
ME0021	38145S
ME0022	38146S
ME0023	38147S
ME0026	38148S
ME0027	38149S
ME0028	38150S
ME0029	38151S
ME0030	38152S
ME0031	38153S
ME0032	38154S
ME0033	38155S
ME0034	38156S
ME0035	38157S

Were ICP interelement corrections applied? Yes/No YES
Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

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

Signature:

Name: BAKIGWE Title: OMOFA Date: 6/04/01

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0010

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38138S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 43.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500			P
7440-36-0	Antimony	1.6	B	N	P
7440-38-2	Arsenic	10.1		N	P
7440-39-3	Barium	119			P
7440-41-7	Beryllium	0.68	B		P
7440-43-9	Cadmium	3.2			P
7440-70-2	Calcium	58500		*	P
7440-47-3	Chromium	53.8			P
7440-48-4	Cobalt	10.6	B		P
7440-50-8	Copper	73.6		E	P
7439-89-6	Iron	24300			P
7439-92-1	Lead	111			P
7439-95-4	Magnesium	20800		*	P
7439-96-5	Manganese	382		N	P
7439-97-6	Mercury	0.23	B		CV
7440-02-0	Nickel	37.1			P
7440-09-7	Potassium	2090	B		P
7782-49-2	Selenium	1.6	U		P
7440-22-4	Silver	2.2	B		P
7440-23-5	Sodium	600	B		P
7440-28-0	Thallium	1.8	U		P
7440-62-2	Vanadium	23.7			P
7440-66-6	Zinc	300			P
	Cyanide	0.13	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0011

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38139S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 51.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9430			P
7440-36-0	Antimony	1.2	U	N	P
7440-38-2	Arsenic	6.8		N	P
7440-39-3	Barium	119			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	2.0			P
7440-70-2	Calcium	58400		*	P
7440-47-3	Chromium	36.3			P
7440-48-4	Cobalt	9.3	B		P
7440-50-8	Copper	35.2		E	P
7439-89-6	Iron	19100			P
7439-92-1	Lead	60.0			P
7439-95-4	Magnesium	32600		*	P
7439-96-5	Manganese	288		N	P
7439-97-6	Mercury	0.14	B		CV
7440-02-0	Nickel	26.8			P
7440-09-7	Potassium	1910	B		P
7782-49-2	Selenium	1.3	U		P
7440-22-4	Silver	1.5	B		P
7440-23-5	Sodium	594	B		P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	18.5	B		P
7440-66-6	Zinc	171			P
	Cyanide	0.11	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0014

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38140S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 30.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18400			P
7440-36-0	Antimony	2.2	B	N	P
7440-38-2	Arsenic	8.8		N	P
7440-39-3	Barium	267			P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	5.5			P
7440-70-2	Calcium	64400		*	P
7440-47-3	Chromium	142			P
7440-48-4	Cobalt	16.3	B		P
7440-50-8	Copper	87.5		E	P
7439-89-6	Iron	31900			P
7439-92-1	Lead	221			P
7439-95-4	Magnesium	38400		*	P
7439-96-5	Manganese	380		N	P
7439-97-6	Mercury	0.28	B		CV
7440-02-0	Nickel	67.5			P
7440-09-7	Potassium	3690			P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	4.3	B		P
7440-23-5	Sodium	1010	B		P
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	35.0			P
7440-66-6	Zinc	414			P
	Cyanide	0.18	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0016

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38141S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 78.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4170			P
7440-36-0	Antimony	0.86	B	N	P
7440-38-2	Arsenic	3.4		N	P
7440-39-3	Barium	39.5	B		P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	0.66	B		P
7440-70-2	Calcium	107000		*	P
7440-47-3	Chromium	12.2			P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	12.1		E	P
7439-89-6	Iron	9900			P
7439-92-1	Lead	31.7			P
7439-95-4	Magnesium	67000		*	P
7439-96-5	Manganese	247		N	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	9.1	B		P
7440-09-7	Potassium	1060	B		P
7782-49-2	Selenium	0.86	U		P
7440-22-4	Silver	0.20	U		P
7440-23-5	Sodium	440	B		P
7440-28-0	Thallium	0.99	U		P
7440-62-2	Vanadium	10.3	B		P
7440-66-6	Zinc	54.4			P
	Cyanide	0.07	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0017

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38142S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 57.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4940			P
7440-36-0	Antimony	1.2	B	N	P
7440-38-2	Arsenic	2.5	B	N	P
7440-39-3	Barium	99.0			P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	0.68	B		P
7440-70-2	Calcium	52100		*	P
7440-47-3	Chromium	19.4			P
7440-48-4	Cobalt	4.2	B		P
7440-50-8	Copper	27.7		E	P
7439-89-6	Iron	10100			P
7439-92-1	Lead	44.6			P
7439-95-4	Magnesium	25600		*	P
7439-96-5	Manganese	277		N	P
7439-97-6	Mercury	0.08	U		CV
7440-02-0	Nickel	11.7	B		P
7440-09-7	Potassium	1090	B		P
7782-49-2	Selenium	1.2	U		P
7440-22-4	Silver	0.80	B		P
7440-23-5	Sodium	523	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	10.4	B		P
7440-66-6	Zinc	112			P
	Cyanide	0.10	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

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U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0018

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38143S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 54.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6070			P
7440-36-0	Antimony	1.1	U	N	P
7440-38-2	Arsenic	4.9		N	P
7440-39-3	Barium	106			P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	53500		*	P
7440-47-3	Chromium	26.1			P
7440-48-4	Cobalt	5.4	B		P
7440-50-8	Copper	36.2		E	P
7439-89-6	Iron	12700			P
7439-92-1	Lead	64.0			P
7439-95-4	Magnesium	30100		*	P
7439-96-5	Manganese	353		N	P
7439-97-6	Mercury	0.08	U		CV
7440-02-0	Nickel	15.4			P
7440-09-7	Potassium	1400	B		P
7782-49-2	Selenium	1.3	U		P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	550	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	12.6	B		P
7440-66-6	Zinc	152			P
	Cyanide	0.10	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0020

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38144S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 78.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11400			P
7440-36-0	Antimony	0.77	U	N	P
7440-38-2	Arsenic	8.5		N	P
7440-39-3	Barium	264			P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	0.31	B		P
7440-70-2	Calcium	80100		*	P
7440-47-3	Chromium	16.5			P
7440-48-4	Cobalt	9.8	B		P
7440-50-8	Copper	20.3		E	P
7439-89-6	Iron	24900			P
7439-92-1	Lead	33.8			P
7439-95-4	Magnesium	45900		*	P
7439-96-5	Manganese	2260		N	P
7439-97-6	Mercury	0.08	B		CV
7440-02-0	Nickel	21.8			P
7440-09-7	Potassium	2520			P
7782-49-2	Selenium	0.87	U		P
7440-22-4	Silver	0.47	B		P
7440-23-5	Sodium	364	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	25.3			P
7440-66-6	Zinc	88.7			P
	Cyanide	0.07	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0021

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38145S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 93.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5180			P
7440-36-0	Antimony	0.63	U	N	P
7440-38-2	Arsenic	2.5		N	P
7440-39-3	Barium	60.7			P
7440-41-7	Beryllium	0.72	B		P
7440-43-9	Cadmium	0.17	B		P
7440-70-2	Calcium	147000		*	P
7440-47-3	Chromium	11.0			P
7440-48-4	Cobalt	1.8	B		P
7440-50-8	Copper	12.4		E	P
7439-89-6	Iron	8330			P
7439-92-1	Lead	198			P
7439-95-4	Magnesium	86500		*	P
7439-96-5	Manganese	777		N	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	4.6	B		P
7440-09-7	Potassium	839	B		P
7782-49-2	Selenium	0.71	U		P
7440-22-4	Silver	0.86	B		P
7440-23-5	Sodium	379	B		P
7440-28-0	Thallium	0.82	U		P
7440-62-2	Vanadium	7.3	B		P
7440-66-6	Zinc	34.9			P
	Cyanide	1.1		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

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U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0022

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38146S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 93.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2980			P
7440-36-0	Antimony	0.64	U	N	P
7440-38-2	Arsenic	1.6	B	N	P
7440-39-3	Barium	29.1	B		P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.07	B		P
7440-70-2	Calcium	143000		*	P
7440-47-3	Chromium	3.7			P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	3.6	B	E	P
7439-89-6	Iron	5820			P
7439-92-1	Lead	9.7			P
7439-95-4	Magnesium	82100		*	P
7439-96-5	Manganese	465		N	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	4.6	B		P
7440-09-7	Potassium	920	B		P
7782-49-2	Selenium	0.72	U		P
7440-22-4	Silver	0.17	U		P
7440-23-5	Sodium	313	B		P
7440-28-0	Thallium	0.83	U		P
7440-62-2	Vanadium	6.5	B		P
7440-66-6	Zinc	12.2			P
	Cyanide	0.96		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0023

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38147S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 92.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2350			P
7440-36-0	Antimony	0.65	U	N	P
7440-38-2	Arsenic	2.8		N	P
7440-39-3	Barium	97.0			P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.21	B		P
7440-70-2	Calcium	137000		*	P
7440-47-3	Chromium	8.6			P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	14.1		E	P
7439-89-6	Iron	15600			P
7439-92-1	Lead	41.1			P
7439-95-4	Magnesium	88000		*	P
7439-96-5	Manganese	354		N	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	7.9	B		P
7440-09-7	Potassium	673	B		P
7782-49-2	Selenium	0.74	U		P
7440-22-4	Silver	0.17	U		P
7440-23-5	Sodium	533	B		P
7440-28-0	Thallium	0.85	U		P
7440-62-2	Vanadium	7.7	B		P
7440-66-6	Zinc	218			P
	Cyanide	1.3		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0026

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38148S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 67.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14700			P
7440-36-0	Antimony	0.88	U	N	P
7440-38-2	Arsenic	9.7		N	P
7440-39-3	Barium	530			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	0.53	B		P
7440-70-2	Calcium	27000		*	P
7440-47-3	Chromium	27.1			P
7440-48-4	Cobalt	19.2			P
7440-50-8	Copper	31.8		E	P
7439-89-6	Iron	41400			P
7439-92-1	Lead	59.5			P
7439-95-4	Magnesium	16300		*	P
7439-96-5	Manganese	5490		N	P
7439-97-6	Mercury	0.11	B		CV
7440-02-0	Nickel	37.9			P
7440-09-7	Potassium	2860			P
7782-49-2	Selenium	1.2	B		P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	402	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	32.9			P
7440-66-6	Zinc	137			P
	Cyanide	0.08	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0027

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38149S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 76.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100			P
7440-36-0	Antimony	1.4	B	N	P
7440-38-2	Arsenic	13.2		N	P
7440-39-3	Barium	450			P
7440-41-7	Beryllium	0.80	B		P
7440-43-9	Cadmium	0.39	B		P
7440-70-2	Calcium	31100		*	P
7440-47-3	Chromium	20.0			P
7440-48-4	Cobalt	19.0			P
7440-50-8	Copper	18.2		E	P
7439-89-6	Iron	38200			P
7439-92-1	Lead	32.2			P
7439-95-4	Magnesium	17900		*	P
7439-96-5	Manganese	5240		N	P
7439-97-6	Mercury	0.08	B		CV
7440-02-0	Nickel	35.7			P
7440-09-7	Potassium	1810			P
7782-49-2	Selenium	0.89	U		P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	418	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	27.1			P
7440-66-6	Zinc	91.1			P
	Cyanide	0.10	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

ME0028

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38150S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 78.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15300			P
7440-36-0	Antimony	1.2	B	N	P
7440-38-2	Arsenic	9.4		N	P
7440-39-3	Barium	120			P
7440-41-7	Beryllium	0.88	B		P
7440-43-9	Cadmium	0.28	B		P
7440-70-2	Calcium	17200		*	P
7440-47-3	Chromium	25.2			P
7440-48-4	Cobalt	11.2	B		P
7440-50-8	Copper	28.2		E	P
7439-89-6	Iron	29900			P
7439-92-1	Lead	41.1			P
7439-95-4	Magnesium	11000		*	P
7439-96-5	Manganese	1160		N	P
7439-97-6	Mercury	0.08	B		CV
7440-02-0	Nickel	27.6			P
7440-09-7	Potassium	2270			P
7782-49-2	Selenium	0.85	U		P
7440-22-4	Silver	0.89	B		P
7440-23-5	Sodium	321	B		P
7440-28-0	Thallium	0.98	U		P
7440-62-2	Vanadium	30.5			P
7440-66-6	Zinc	125			P
	Cyanide	1.3		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0029

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38151S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 71.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16900			P
7440-36-0	Antimony	0.83	U	N	P
7440-38-2	Arsenic	12.0		N	P
7440-39-3	Barium	378			P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	0.08	U		P
7440-70-2	Calcium	13800		*	P
7440-47-3	Chromium	25.8			P
7440-48-4	Cobalt	19.4			P
7440-50-8	Copper	20.6		E	P
7439-89-6	Iron	45500			P
7439-92-1	Lead	26.6			P
7439-95-4	Magnesium	9650		*	P
7439-96-5	Manganese	3290		N	P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	31.1			P
7440-09-7	Potassium	2230			P
7782-49-2	Selenium	0.94	U		P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	414	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	36.6			P
7440-66-6	Zinc	101			P
	Cyanide	0.08	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0030

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38152S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 70.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13700			P
7440-36-0	Antimony	1.2	B	N	P
7440-38-2	Arsenic	11.8		N	P
7440-39-3	Barium	148			P
7440-41-7	Beryllium	0.91	B		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	19000		*	P
7440-47-3	Chromium	31.2			P
7440-48-4	Cobalt	13.0	B		P
7440-50-8	Copper	43.2		E	P
7439-89-6	Iron	27000			P
7439-92-1	Lead	122			P
7439-95-4	Magnesium	10700		*	P
7439-96-5	Manganese	1160		N	P
7439-97-6	Mercury	0.14	B		CV
7440-02-0	Nickel	29.1			P
7440-09-7	Potassium	2150			P
7782-49-2	Selenium	0.95	U		P
7440-22-4	Silver	0.87	B		P
7440-23-5	Sodium	230	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	31.9			P
7440-66-6	Zinc	402			P
	Cyanide	0.08	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0031

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38153S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 86.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4150			P
7440-36-0	Antimony	1.7	B	N	P
7440-38-2	Arsenic	3.4		N	P
7440-39-3	Barium	216			P
7440-41-7	Beryllium	0.39	B		P
7440-43-9	Cadmium	0.32	B		P
7440-70-2	Calcium	138000		*	P
7440-47-3	Chromium	6.7			P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	50.9		E	P
7439-89-6	Iron	8780			P
7439-92-1	Lead	82.3			P
7439-95-4	Magnesium	86200		*	P
7439-96-5	Manganese	408		N	P
7439-97-6	Mercury	0.06	B		CV
7440-02-0	Nickel	7.5	B		P
7440-09-7	Potassium	814	B		P
7782-49-2	Selenium	0.78	U		P
7440-22-4	Silver	0.18	U		P
7440-23-5	Sodium	1040	B		P
7440-28-0	Thallium	0.89	U		P
7440-62-2	Vanadium	9.2	B		P
7440-66-6	Zinc	92.1			P
	Cyanide	0.14	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0032

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38154S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 82.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7830			P
7440-36-0	Antimony	0.80	B	N	P
7440-38-2	Arsenic	8.6		N	P
7440-39-3	Barium	64.1			P
7440-41-7	Beryllium	0.50	B		P
7440-43-9	Cadmium	0.12	B		P
7440-70-2	Calcium	85400		*	P
7440-47-3	Chromium	15.7			P
7440-48-4	Cobalt	7.0	B		P
7440-50-8	Copper	31.1		E	P
7439-89-6	Iron	19700			P
7439-92-1	Lead	59.0			P
7439-95-4	Magnesium	49000		*	P
7439-96-5	Manganese	549		N	P
7439-97-6	Mercury	0.09	B		CV
7440-02-0	Nickel	19.3			P
7440-09-7	Potassium	1950			P
7782-49-2	Selenium	0.82	U		P
7440-22-4	Silver	0.26	B		P
7440-23-5	Sodium	524	B		P
7440-28-0	Thallium	0.94	U		P
7440-62-2	Vanadium	18.3			P
7440-66-6	Zinc	114			P
	Cyanide	0.07	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0033

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38155S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 74.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5330			P
7440-36-0	Antimony	1.7	B	N	P
7440-38-2	Arsenic	6.8		N	P
7440-39-3	Barium	144			P
7440-41-7	Beryllium	0.80	B		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	104000		*	P
7440-47-3	Chromium	15.6			P
7440-48-4	Cobalt	4.2	B		P
7440-50-8	Copper	48.1		E	P
7439-89-6	Iron	13400			P
7439-92-1	Lead	216			P
7439-95-4	Magnesium	60900		*	P
7439-96-5	Manganese	344		N	P
7439-97-6	Mercury	0.08	B		CV
7440-02-0	Nickel	15.7			P
7440-09-7	Potassium	1350			P
7782-49-2	Selenium	0.91	U		P
7440-22-4	Silver	0.65	B		P
7440-23-5	Sodium	719	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	13.2	B		P
7440-66-6	Zinc	411			P
	Cyanide	0.07	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0034

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38156S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 80.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10600			P
7440-36-0	Antimony	0.75	U	N	P
7440-38-2	Arsenic	9.3		N	P
7440-39-3	Barium	152			P
7440-41-7	Beryllium	0.56	B		P
7440-43-9	Cadmium	0.42	B		P
7440-70-2	Calcium	63600		*	P
7440-47-3	Chromium	19.3			P
7440-48-4	Cobalt	8.5	B		P
7440-50-8	Copper	26.9		E	P
7439-89-6	Iron	20700			P
7439-92-1	Lead	53.1			P
7439-95-4	Magnesium	38500		*	P
7439-96-5	Manganese	795		N	P
7439-97-6	Mercury	0.08	B		CV
7440-02-0	Nickel	19.4			P
7440-09-7	Potassium	2280			P
7782-49-2	Selenium	0.85	U		P
7440-22-4	Silver	0.40	B		P
7440-23-5	Sodium	345	B		P
7440-28-0	Thallium	0.97	U		P
7440-62-2	Vanadium	26.0			P
7440-66-6	Zinc	110			P
	Cyanide	0.07	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0035

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Matrix (soil/water): SOIL Lab Sample ID: 38157S

Level (low/med): LOW Date Received: 05/24/01

% Solids: 67.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15200			P
7440-36-0	Antimony	1.7	B	N	P
7440-38-2	Arsenic	11.3		N	P
7440-39-3	Barium	151			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	21400		*	P
7440-47-3	Chromium	38.1			P
7440-48-4	Cobalt	11.6	B		P
7440-50-8	Copper	119		E	P
7439-89-6	Iron	27600			P
7439-92-1	Lead	174			P
7439-95-4	Magnesium	12700		*	P
7439-96-5	Manganese	728		N	P
7439-97-6	Mercury	0.31			CV
7440-02-0	Nickel	30.6			P
7440-09-7	Potassium	2850			P
7782-49-2	Selenium	1.5			P
7440-22-4	Silver	1.5	B		P
7440-23-5	Sodium	290	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	30.2			P
7440-66-6	Zinc	442			P
	Cyanide	0.37	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

3

BLANKS

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	168.1	U	168.1	U	168.1	U	168.1	U	33.620	U	P
Antimony	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	0.800	U	P
Barium	1.7	U	1.7	U	1.7	U	1.7	U	0.340	U	P
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	P
Cadmium	0.3	U	0.3	U	0.3	U	0.3	U	0.060	U	P
Calcium	136.5	U	136.5	U	136.5	U	136.5	U	27.300	U	P
Chromium	0.7	U	0.7	U	0.7	U	0.7	U	0.140	U	P
Cobalt	1.1	U	1.1	U	1.1	U	1.2	B	0.220	U	P
Copper	0.7	U	0.7	U	0.7	U	0.7	U	0.140	U	P
Iron	54.6	U	54.6	U	54.6	U	54.6	U	10.920	U	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	0.300	U	P
Magnesium	132.2	U	132.2	U	132.2	U	132.2	U	26.440	U	P
Manganese	0.4	B	0.4	U	0.4	U	0.4	B	0.080	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.050	U	CV
Nickel	1.5	U	1.5	U	1.5	U	1.5	U	0.300	U	P
Potassium	25.7	B	15.4	U	15.4	U	15.4	U	3.080	U	P
Selenium	3.4	U	3.4	U	3.4	U	3.4	U	0.680	U	P
Silver	0.8	U	0.8	U	0.8	U	0.8	U	0.160	U	P
Sodium	130.9	U	130.9	U	130.9	U	130.9	U	26.180	U	P
Thallium	3.9	U	3.9	U	3.9	U	3.9	U	0.780	U	P
Vanadium	0.9	U	0.9	U	0.9	U	0.9	U	0.180	U	P
Zinc	1.0	B	0.8	U	0.8	U	0.8	B	0.160	U	P
Cyanide	1.1	B	1.2	B	1.1	U	1.5	B	0.197	B	CA

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BLANKS

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Preparation Blank Matrix (soil/water):

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			168.1	U	168.1	U					P
Antimony			3.0	U	3.0	U					P
Arsenic			4.0	U	4.0	U					P
Barium			1.7	U	1.7	U					P
Beryllium			0.2	U	0.2	U					P
Cadmium			0.3	U	0.3	U					P
Calcium			136.5	U	136.5	U					P
Chromium			0.7	U	0.7	U					P
Cobalt			1.1	U	1.1	U					P
Copper			0.7	U	0.7	U					P
Iron			54.6	U	54.6	U					P
Lead			1.5	U	1.5	U					P
Magnesium			132.2	U	132.2	U					P
Manganese			0.6	B	0.6	B					P
Mercury			0.1	U							CV
Nickel			1.5	U	1.5	U					P
Potassium			15.4	U	15.4	U					P
Selenium			3.4	U	3.4	U					P
Silver			0.8	U	0.8	U					P
Sodium			130.9	U	130.9	U					P
Thallium			3.9	U	3.9	U					P
Vanadium			0.9	U	0.9	B					P
Zinc			0.8	U	0.8	U					P
Cyanide	1.1	U	1.1	U	1.1	U					CA

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BLANKS

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Preparation Blank Matrix (soil/water):

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic	4.0	U	5.4	B	5.8	B	8.8	B			P
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese	0.4	U	0.6	B	0.8	B	0.8	B			P
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide	1.1	U	1.1	U	1.1	U					CA

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BLANKS

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Preparation Blank Matrix (soil/water):

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide	1.1	U	1.1	U	1.1	U					CA

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0010S

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

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

% Solids for Sample: 43.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	144.8887		1.6139	B	232.56	61.6	N	P
Arsenic	75-125	22.6351		10.1378		18.60	67.2	N	P
Barium	75-125	1019.4691		119.4532		930.23	96.8		P
Beryllium	75-125	22.4988		0.6779	B	23.26	93.8		P
Cadmium	75-125	25.2785		3.2392		23.26	94.8		P
Calcium									NR
Chromium	75-125	137.1115		53.7519		93.02	89.6		P
Cobalt	75-125	230.3311		10.6060	B	232.56	94.5		P
Copper	75-125	191.9824		73.5571		116.28	101.8		P
Iron									NR
Lead		98.5058		111.2036		9.30	-136.5		P
Magnesium									NR
Manganese	75-125	547.9262		381.9426		232.56	71.4	N	P
Mercury	75-125	1.2791		0.2256	B	1.16	90.8		CV
Nickel	75-125	248.5778		37.1325		232.56	90.9		P
Potassium									NR
Selenium	75-125	5.6117		1.5814	U	4.65	120.7		P
Silver	75-125	24.7871		2.2034	B	23.26	97.1		P
Sodium									NR
Thallium	75-125	19.9834		1.8140	U	23.26	85.9		P
Vanadium	75-125	239.2237		23.6876		232.56	92.7		P
Zinc	75-125	512.8979		299.7248		232.56	91.7		P
Cyanide	75-125	5.4703		0.1279	U	11.63	47.0	N	CA

Comments:

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POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0010A

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony		109.47		3.47	B	120.0	88.3		P
Arsenic		68.40		21.80		43.6	106.9		P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese		2365.67		821.18		1642.4	94.0		P
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide		21.87		1.10	U	20.0	109.4		CA

Comments:

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DUPLICATES

EPA SAMPLE NO.

ME0010D

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

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

% Solids for Sample: 43.0 % Solids for Duplicate: 36.6

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		10465.3020		10264.7643		1.9		P
Antimony		1.6139	B	1.3953	U	200.0		P
Arsenic	4.7	10.1378		9.5292		6.2		P
Barium	93.0	119.4532		112.1407		6.3		P
Beryllium		0.6779	B	0.6243	B	8.2		P
Cadmium	2.3	3.2392		3.2219		0.5		P
Calcium		58483.4307		33273.6174		54.9	*	P
Chromium		53.7519		56.5275		5.0		P
Cobalt		10.6060	B	11.3365	B	6.7		P
Copper		73.5571		83.4157		12.6		P
Iron		24288.2322		23445.8121		3.5		P
Lead		111.2036		114.3516		2.8		P
Magnesium		20770.5678		16553.9190		22.6	*	P
Manganese		381.9426		329.2305		14.8		P
Mercury		0.2256	B	0.1919	B	16.1		CV
Nickel	18.6	37.1325		37.3519		0.6		P
Potassium		2086.0225	B	2091.3540	B	0.3		P
Selenium		1.5814	U	1.5814	U			P
Silver		2.2034	B	2.4637	B	11.2		P
Sodium		600.3798	B	604.3359	B	0.7		P
Thallium		1.8140	U	1.8140	U			P
Vanadium	23.3	23.6876		26.2524		10.3		P
Zinc		299.7248		315.5246		5.1		P
Cyanide		0.1279	U	0.1279	U			CA

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EPA SAMPLE NO.

ICP SERIAL DILUTIONS

ME0010L

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	22500.40		23347.56		3.8		P
Antimony	3.47	B	15.00	U	100.0		P
Arsenic	21.80		28.63	B	31.3		P
Barium	256.82		260.13	B	1.3		P
Beryllium	1.46	B	1.49	B	2.1		P
Cadmium	6.96		6.67	B	4.2		P
Calcium	125739.38		130122.66		3.5		P
Chromium	115.57		119.60		3.5		P
Cobalt	22.80	B	26.18	B	14.8		P
Copper	158.15		191.02		20.8	E	P
Iron	52219.70		53915.04		3.2		P
Lead	239.09		250.07		4.6		P
Magnesium	44656.72		46195.08		3.4		P
Manganese	821.18		841.61		2.5		P
Mercury							NR
Nickel	79.83		85.09	B	6.6		P
Potassium	4484.95	B	4809.53	B	7.2		P
Selenium	3.40	U	17.00	U			P
Silver	4.74	B	5.12	B	8.0		P
Sodium	1290.82	B	2683.49	B	107.9		P
Thallium	3.90	U	19.50	U			P
Vanadium	50.93		52.84	B	3.8		P
Zinc	644.41		673.82		4.6		P

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

ICP ID Number: P4 Date: 04/15/01

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.20		200	168.1	P
Antimony	206.80		60	3.0	P
Arsenic	189.00		10	4.0	P
Barium	493.40		200	1.7	P
Beryllium	313.00		5	0.2	P
Cadmium	226.50		5	0.3	P
Calcium	317.90		5000	136.5	P
Chromium	267.70		10	0.7	P
Cobalt	228.60		50	1.1	P
Copper	324.70		25	0.7	P
Iron	271.40		100	54.6	P
Lead	220.30		3	1.5	P
Magnesium	279.00		5000	132.2	P
Manganese	257.60		15	0.4	P
Mercury			0.2		NR
Nickel	231.60		40	1.5	P
Potassium	766.40		5000	15.4	P
Selenium	196.00		5	3.4	P
Silver	328.00		10	0.8	P
Sodium	330.20		5000	130.9	P
Thallium	190.80		10	3.9	P
Vanadium	292.40		50	0.9	P
Zinc	206.20		20	0.8	P
Cyanide			10		NR

Comments:
P4: THERMO JARRELL ASH

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

ICP ID Number: Date: 04/15/01

Flame AA ID Number: C5

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.70		0.2	0.1	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR

Comments:

C5: CETAC M6000

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

ICP ID Number: Date: 04/15/01

Flame AA ID Number: C1

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide	578.00		10	1.1	CA

Comments:
C1: LACHAT

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PREPARATION LOG

Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	05/30/01	1.00	200
ME0010	05/30/01	1.00	200
ME0010D	05/30/01	1.00	200
ME0010S	05/30/01	1.00	200
ME0011	05/30/01	1.01	200
ME0014	05/30/01	1.00	200
ME0016	05/30/01	1.00	200
ME0017	05/30/01	1.02	200
ME0018	05/30/01	1.00	200
ME0020	05/30/01	1.00	200
ME0021	05/30/01	1.02	200
ME0022	05/30/01	1.01	200
ME0023	05/30/01	1.00	200
ME0026	05/30/01	1.01	200
ME0027	05/30/01	1.00	200
ME0028	05/30/01	1.02	200
ME0029	05/30/01	1.01	200
ME0030	05/30/01	1.02	200
ME0031	05/30/01	1.01	200
ME0032	05/30/01	1.00	200
ME0033	05/30/01	1.01	200
ME0034	05/30/01	1.00	200
ME0035	05/30/01	1.02	200
PBS	05/30/01	1.00	200

U.S. EPA - CLP

13
PREPARATION LOG

Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	05/29/01	0.20	100
ME0010	05/29/01	0.20	100
ME0010D	05/29/01	0.20	100
ME0010S	05/29/01	0.20	100
ME0011	05/29/01	0.20	100
ME0014	05/29/01	0.22	100
ME0016	05/29/01	0.22	100
ME0017	05/29/01	0.22	100
ME0018	05/29/01	0.22	100
ME0020	05/29/01	0.21	100
ME0021	05/29/01	0.21	100
ME0022	05/29/01	0.21	100
ME0023	05/29/01	0.20	100
ME0026	05/29/01	0.22	100
ME0027	05/29/01	0.21	100
ME0028	05/29/01	0.21	100
ME0029	05/29/01	0.21	100
ME0030	05/29/01	0.20	100
ME0031	05/29/01	0.20	100
ME0032	05/29/01	0.20	100
ME0033	05/29/01	0.22	100
ME0034	05/29/01	0.20	100
ME0035	05/29/01	0.22	100
PBS	05/29/01	0.20	100

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0010

Method: CA

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	05/30/01	1.00	50
ME0010	05/30/01	1.00	50
ME0010D	05/30/01	1.00	50
ME0010S	05/30/01	1.00	50
ME0011	05/30/01	1.01	50
ME0014	05/30/01	1.00	50
ME0016	05/30/01	1.01	50
ME0017	05/30/01	1.01	50
ME0018	05/30/01	1.01	50
ME0020	05/30/01	1.00	50
ME0021	05/30/01	1.00	50
ME0022	05/30/01	1.00	50
ME0023	05/30/01	1.00	50
ME0026	05/30/01	1.02	50
ME0027	05/30/01	1.00	50
ME0028	05/30/01	1.02	50
ME0029	05/30/01	1.01	50
ME0030	05/30/01	1.02	50
ME0031	05/30/01	1.02	50
ME0032	05/30/01	1.01	50
ME0033	05/30/01	1.00	50
ME0034	05/30/01	1.01	50
ME0035	05/30/01	1.02	50
PBS	05/30/01	1.00	50
S100	05/30/01		50

DATE: June 19, 2001

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: CLIFF'S CONTAINER

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
29298	AATS	4	E0013	WATER

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

RECEIVED
JUN 21 2001
IEPA-BOL-FSRS

JUN 1 8 2001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE: _____

SUBJECT: Electronic (**Level 2**) Review of Data

Received for Review on 06-13-01

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

The following data has been electronically reviewed by CADRE. No review of the raw data, laboratory narrative, laboratory forms or chain-of-custody forms was performed.

SITE NAME: CLIFF'S CONTAINER (IL)

CASE NUMBER: 29298 SDG NUMBER: E0013

Number and Type of Samples: 4 WATERS

Sample Numbers: E0013, E0019, E0024, E0025

Laboratory: AATS Hrs. for Review: _____

Following are our findings:

RECEIVED
JUN 2 1 2001
IEPA-BOL-FSRS

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

Case Number : 29298 **SDG Number: E0013**
te Name: CLIFF'S CONTAINER **Laboratory: AATS**

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Four (4) water samples, numbered *E0013, E0019, E0024* and *E0025,* were collected *May 21 - 22, 2001*. The lab received the samples on *May 23, 2001* in good condition. Three (3) samples were analyzed for the full list of organic analytes. One (1) sample, E0025, was analyzed for only the volatile list of organic analytes. All were analyzed according to CLP SOW *OLM04.2* 5/99.

Case Number : 29298 SDG Number: E0013
te Name: CLIFF'S CONTAINER Laboratory: AATS

1. HOLDING TIME

No problems found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems found for this qualification.

3. CALIBRATION

CALIBRATION CRITERIA

Volatile

	Primary	Expanded
Minimum RRF	0.05	0.05
Maximum %RSD (initial calibration)	30	30
Maximum %D (continuing calibration)	25	25
Calibration time period	12	

Semivolatile

	Primary	Expanded
Minimum RRF	0.05	0.05
Maximum %RSD (initial calibration)	30	30
Maximum %D (continuing calibration)	25	25
Calibration time period	12	

Pesticide

Maximum %RSD (initial calibration) - TCL analytes	20
- surrogates	30
Maximum RPD (continuing calibration)	25
INDA/INDB percent resolution	90
Continuing calibration sequence time	12

Case Number : 29298 **SDG Number: E0013**
te Name: CLIFF'S CONTAINER **Laboratory: AATS**

DC-23: The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria.
Hits are qualified "J" and non-detects are qualified "UJ".

Acetone
E0013, E0019, E0019MS, E0019MSD, E0024, E0025
VBLKAU, VBLKAV, VHBLKAX

Methyl Acetate
VBLKAV, VHBLKAX

2-Butanone
VBLKAV, VHBLKAX

1,2-Dichloroethane
E0013, E0019, E0019MS, E0019MSD, E0024, E0025
VBLKAU, VBLKAV, VHBLKAX

4-Methyl-2-pentanone
E0013, E0019, E0019MS, E0019MSD, E0024, E0025
VBLKAU, VBLKAV, VHBLKAX

2-Hexanone
E0013, E0019, E0019MS, E0019MSD, E0024, E0025
VBLKAU, VBLKAV, VHBLKAX

DC-94: The following semivolatile samples are associated with an initial calibration with relative response factors (RRFs) outside primary criteria.
Hits are flagged "J" and non-detects are qualified "R".

4-Chloroaniline
E0013, E0019, E0019MS, E0019MSD, E0024, SBLKFB

DC-197: The following pesticide samples are not qualified for continuing calibration because of missing continuing calibration information.
Manual review of the data is required.

E0013, E0019, E0019MS, E0019MSD, E0024, PBLK1

Case Number : 29298 SDG Number: E0013
ite Name: CLIFF'S CONTAINER Laboratory: AATS

4. BLANKS

LABORATORY BLANKS CRITERIA

Volatile

Method Blank Contamination Threshold Multipliers

	First	Expanded
Common contaminant compounds	10.00	10.00
Other compounds	5.00	5.00

Semivolatile

Method Blank Contamination Threshold Multipliers

	First	Expanded
Common contaminant compounds	10.00	10.00
Other compounds	5.00	5.00

Pesticide

Method Blank Contamination Threshold Multipliers

	First	Expanded
All compounds	5.00	5.00

DC-124: The following semivolatile samples have no associated method blank. Manual review of the data is required.

E0013, E0019, E0019MS, E0019MSD, E0024

Case Number : 29298 SDG Number: E0013
te Name: CLIFF'S CONTAINER Laboratory: AATS

DC-236: The following pesticide samples have analyte concentrations reported below the CRQL and less than or equal to five times (5X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL.
Hits are qualified "U" and non-detects are not flagged.

E0019MS
Endrin aldehyde

E0019MSD
Endrin aldehyde

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No problems found for this qualification.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MATRIX SPIKE CRITERIA

emivolatile

Percent Recovery Limits & RPD

	Water			Soil		
	Lower	Upper	RPD	Lower	Upper	RPD
Phenol	12.0	110.0	42.0	26.0	90.0	35.0
2-Chlorophenol	27.0	123.0	40.0	25.0	102.0	50.0
N-Nitroso-di-n-propylamine	41.0	116.0	38.0	41.0	126.0	38.0
4-Chloro-3-methylphenol	23.0	97.0	42.0	26.0	103.0	33.0
Acenaphthene	46.0	118.0	31.0	31.0	137.0	19.0
4-Nitrophenol	10.0	80.0	50.0	11.0	114.0	50.0
2,4-Dinitrotoluene	24.0	96.0	38.0	28.0	89.0	47.0
Pentachlorophenol	9.0	103.0	50.0	17.0	109.0	47.0
Pyrene	26.0	127.0	31.0	35.0	142.0	36.0

Pesticide

Case Number : 29298 **SDG Number:** E0013
te Name: CLIFF'S CONTAINER **Laboratory:** AATS

Percent Recovery Limits & RPD

	Water			Soil		
	Lower	Upper	RPD	Lower	Upper	RPD
gamma-BHC (Lindane)	56.0	123.0	15.0	46.0	127.0	50.0
Heptachlor	40.0	131.0	20.0	35.0	130.0	31.0
Aldrin	40.0	120.0	22.0	34.0	132.0	43.0
Dieldrin	52.0	126.0	18.0	31.0	134.0	38.0
Endrin	56.0	121.0	21.0	42.0	139.0	45.0
4,4'-DDT	38.0	127.0	27.0	23.0	134.0	50.0

DC-51: The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Results for the outlier compound in the unspiked sample E0019 is estimated, "J" and a non-detect is estimated, "UJ".

E0019MSD
Pentachlorophenol

DC-169: The relative percent difference (RPD) between the following pesticide matrix spike and matrix spike duplicate recoveries is outside criteria. Results for the outlier compound in the unspiked sample E0019 is estimated, "J" and a non-detect is estimated, "UJ".

E0019MS
gamma-BHC (Lindane)

E0019MSD
gamma-BHC (Lindane)

7. FIELD BLANK AND FIELD DUPLICATE

Sample *E0025* is a trip blank. Sample *E0024* is a field blank. No samples were identified as field duplicates. Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

INTERNAL STANDARD CRITERIA

Semivolatile

Case Number : 29298 SDG Number: E0013
te Name: CLIFF'S CONTAINER Laboratory: AATS

Retention Time & Area Count Limits

	-- Primary --		- Expanded --	
	Lower	Upper	Lower	Upper
Retention time	- 0.5	+ 0.5	- 0.5	+ 0.5
Area count	/ 2 *	2 /	5 *	2

DC-77: The following semivolatile samples have internal standard area counts that are outside the lower limit of primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E0019MS
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

CONTRACT REQUIRED SAMPLE QUANTITY

	Water	Low Soil	Med Soil
VOA	5.0 (ML)	5.0 (G)	4.0 (G)
BNA	1000.0 (ML)	30.0 (G)	1.0 (G)
PES	1000.0 (ML)	30.0 (G)	

DC-45: The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E0019
Acetone , Methylene Chloride

Case Number : 29298 SDG Number: E0013
te Name: CLIFF'S CONTAINER Laboratory: AATS

E0019MSD
Methylene Chloride

E0024
Methylene Chloride

DC-110: The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

SBLKFB
Di-n-butylphthalate

DC-158: The following pesticide samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E0013
4,4'-DDT

E0019MS
4,4'-DDE, 4,4'-DDD, Endrin ketone

E0019MSD
4,4'-DDE, 4,4'-DDD, Endrin ketone

PBLK1
Methoxychlor, Endrin aldehyde

DC-422: The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria.
Professional judgement should be used to qualify the data.

E0013
4,4'-DDT

E0019MS
4,4'-DDD

E0019MSD
4,4'-DDD

Case Number : 29298 **SDG Number: E0013**
Site Name: CLIFF'S CONTAINER **Laboratory: AATS**

PBLK1
Methoxychlor, Endrin aldehyde

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

None.

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The anlayte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0013
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 4

Sample Number :	E0013		E0019		E0019MS		E0019MSD		E0024	
Sampling Location :	G101		G102		G102		G102		FB	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:55		13:30		13:30		13:30		15:40	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		25.0		25.0		25.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	U	250	UJ	250	UJ	250	UJ	10	UJ
Chloromethane	10	U	250	U	250	U	250	U	10	U
Vinyl Chloride	10	U	250	U	250	U	250	U	10	U
Bromomethane	10	U	250	U	250	U	250	U	10	U
Chloroethane	10	U	250	U	250	U	250	UJ	10	U
Trichlorofluoromethane	10	U	250	U	250	U	250	U	10	U
1,1-Dichloroethene	10	U	250	U	1300		1300		10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	250	U	250	U	250	U	10	U
Acetone	10	UJ	210	J	250	J	250	J	10	UJ
Carbon Disulfide	10	U	250	U	250	U	250	U	10	U
Methyl Acetate	10	U	250	U	250	U	250	U	10	U
Methylene Chloride	10	U	56	J	250	U	28	J	1	J
trans-1,2-Dichloroethene	10	U	250	U	250	U	250	U	10	U
Methyl tert-Butyl Ether	10	U	250	U	250	U	250	U	10	U
1,1-Dichloroethane	10	U	250	U	250	U	250	U	10	U
cis-1,2-Dichloroethene	10	U	250	U	250	U	250	U	10	U
2-Butanone	10	U	3000		2700		3000		10	U
Chloroform	10	U	250	U	250	U	250	U	10	U
1,1,1-Trichloroethane	10	U	250	U	250	U	250	U	10	U
Cyclohexane	10	U	250	U	250	U	250	U	10	U
Carbon Tetrachloride	10	U	250	U	250	U	250	U	10	U
Benzene	10	U	250	U	1400		1500		10	U
1,2-Dichloroethane	10	UJ	250	UJ	250	UJ	250	UJ	10	UJ
Trichloroethene	10	U	250	U	1400		1500		10	U
Methylcyclohexane	10	U	250	U	250	U	250	U	10	U
1,2-Dichloropropane	10	U	250	U	250	U	250	U	10	U
Bromodichloromethane	10	U	250	U	250	U	250	U	10	U
cis-1,3-Dichloropropene	10	U	250	U	250	U	250	U	10	U
4-Methyl-2-pentanone	10	UJ	250	UJ	250	UJ	250	UJ	10	UJ
Toluene	10	U	250	U	1300		1300		10	U
trans-1,3-Dichloropropene	10	U	250	U	250	U	250	U	10	U
1,1,2-Trichloroethane	10	U	250	U	250	U	250	U	10	U
Tetrachloroethene	10	U	250	U	250	U	250	U	10	U

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0013
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0013		E0019		E0019MS		E0019MSD		E0024	
Sampling Location :	G101		G102		G102		G102		FB	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:55		13:30		13:30		13:30		15:40	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		25.0		25.0		25.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10	UJ	250	U	250	UJ	250	UJ	10	UJ
Dibromochloromethane	10	U	250	U	250	U	250	U	10	U
1,2-Dibromoethane	10	U	250	U	250	U	250	U	10	U
Chlorobenzene	10	U	250	U	1300		1300		10	U
Ethylbenzene	10	U	250	U	250	U	250	U	10	U
Xylenes (total)	10	U	250	U	250	U	250	U	10	U
Styrene	10	U	250	U	250	U	250	U	10	U
Bromoform	10	U	250	U	250	U	250	U	10	U
Isopropylbenzene	10	U	250	U	250	U	250	U	10	U
1,1,2,2-Tetrachloroethane	10	U	250	U	250	U	250	U	10	U
1,3-Dichlorobenzene	10	U	250	U	250	U	250	U	10	U
1,4-Dichlorobenzene	10	U	250	U	250	U	250	U	10	U
1,2-Dichlorobenzene	10	U	250	U	250	U	250	U	10	U
1,2-Dibromo-3-chloropropane	10	U	250	U	250	U	250	U	10	U
1,2,4-Trichlorobenzene	10	U	250	U	250	U	250	U	10	U

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0013
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0025		VBLKAU		VBLKAV		VHBLKAX			
Sampling Location :	TB									
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	05/21/2001									
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	U	10	U	10	U	10	U		
Chloromethane	10	U	10	U	10	U	10	U		
Vinyl Chloride	10	U	10	U	10	U	10	U		
Bromomethane	10	U	10	U	10	U	10	U		
Chloroethane	10	U	10	U	10	U	10	U		
Trichlorofluoromethane	10	U	10	U	10	U	10	U		
1,1-Dichloroethene	10	U	10	U	10	U	10	U		
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	U	10	U	10	U		
Acetone	10	UJ	10	UJ	10	UJ	10	UJ		
Carbon Disulfide	10	U	10	U	10	U	10	U		
Methyl Acetate	10	U	10	U	10	UJ	10	UJ		
Methylene Chloride	10	U	10	U	10	U	10	U		
trans-1,2-Dichloroethene	10	U	10	U	10	U	10	U		
Methyl tert-Butyl Ether	10	U	10	U	10	U	10	U		
1,1-Dichloroethane	10	U	10	U	10	U	10	U		
cis-1,2-Dichloroethene	10	U	10	U	10	U	10	U		
2-Butanone	10	U	10	U	10	UJ	10	UJ		
Chloroform	10	U	10	U	10	U	10	U		
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U		
Cyclohexane	10	U	10	U	10	U	10	U		
Carbon Tetrachloride	10	U	10	U	10	U	10	U		
Benzene	10	U	10	U	10	U	10	U		
1,2-Dichloroethane	10	UJ	10	UJ	10	UJ	10	UJ		
Trichloroethene	10	U	10	U	10	U	10	U		
Methylcyclohexane	10	U	10	U	10	U	10	U		
1,2-Dichloropropane	10	U	10	U	10	U	10	U		
Bromodichloromethane	10	U	10	U	10	U	10	U		
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U		
4-Methyl-2-pentanone	10	UJ	10	UJ	10	UJ	10	UJ		
Toluene	10	U	10	U	10	U	10	U		
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U		
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U		
Tetrachloroethene	10	U	10	U	10	U	10	U		

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0013
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0025		VBLKAU		VBLKAV		VHBLKAX			
Sampling Location :	TB									
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	05/21/2001									
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10	UJ	10	UJ	10	UJ	10	UJ		
Dibromochloromethane	10	U	10	U	10	U	10	U		
1,2-Dibromoethane	10	U	10	U	10	U	10	U		
Chlorobenzene	10	U	10	U	10	U	10	U		
Ethylbenzene	10	U	10	U	10	U	10	U		
Xylenes (total)	10	U	10	U	10	U	10	U		
Styrene	10	U	10	U	10	U	10	U		
Bromoform	10	U	10	U	10	U	10	U		
Isopropylbenzene	10	U	10	U	10	U	10	U		
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U		
1,3-Dichlorobenzene	10	U	10	U	10	U	10	U		
1,4-Dichlorobenzene	10	U	10	U	10	U	10	U		
1,2-Dichlorobenzene	10	U	10	U	10	U	10	U		
1,2-Dibromo-3-chloropropane	10	U	10	U	10	U	10	U		
1,2,4-Trichlorobenzene	10	U	10	U	10	U	10	U		

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0013
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 3

Sample Number :	E0013		E0019		E0019MS		E0019MSD		E0024	
Sampling Location :	G101		G102		G102		G102		FB	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:55		13:30		13:30		13:30		15:40	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	10	U	10	U	10	U	10	U	10	U
Phenol	10	U	10	U	53		56		10	U
bis-(2-Chloroethyl) ether	10	U	10	U	10	U	10	U	10	U
2-Chlorophenol	10	U	10	U	52		55		10	U
2-Methylphenol	10	U	10	U	10	U	10	U	10	U
2,2'-oxybis(1-Chloropropane)	10	U	10	U	10	U	10	U	10	U
Acetophenone	10	U	10	U	10	U	10	U	10	U
4-Methylphenol	10	U	10	U	10	U	10	U	10	U
N-Nitroso-di-n-propylamine	10	U	10	U	37		37		10	U
Hexachloroethane	10	U	10	U	10	U	10	U	10	U
Nitrobenzene	10	U	10	U	10	U	10	U	10	U
Isophorone	10	U	10	U	10	U	10	U	10	U
2-Nitrophenol	10	U	10	U	10	U	10	U	10	U
2,4-Dimethylphenol	10	U	10	U	10	U	10	U	10	U
bis(2-Chloroethoxy)methane	10	U	10	U	10	U	10	U	10	U
2,4-Dichlorophenol	10	U	10	U	10	U	10	U	10	U
Naphthalene	10	U	10	U	10	U	10	U	10	U
4-Chloroaniline	10	R	10	R	10	R	10	R	10	R
Hexachlorobutadiene	10	U	10	U	10	U	10	U	10	U
Caprolactam	10	U	10	U	10	U	10	U	10	U
4-Chloro-3-methylphenol	10	U	10	U	51		48		10	U
2-Methylnaphthalene	10	U	10	U	10	U	10	U	10	U
Hexachlorocyclopentadiene	10	U	10	U	10	U	10	U	10	U
2,4,6-Trichlorophenol	10	U	10	U	10	U	10	U	10	U
2,4,5-Trichlorophenol	25	U	25	U	25	U	25	U	25	U
1,1'-Biphenyl	10	U	10	U	10	U	10	U	10	U
2-Chloronaphthalene	10	U	10	U	10	U	10	U	10	U
2-Nitroaniline	25	U	25	U	25	U	25	U	25	U
Dimethylphthalate	10	U	10	U	10	U	10	U	10	U
2,6-Dinitrotoluene	10	U	10	U	10	U	10	U	10	U
Acenaphthylene	10	U	10	U	10	U	10	U	10	U
3-Nitroaniline	25	U	25	U	25	U	25	U	25	U
Acenaphthene	10	U	10	U	35		39		10	U

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0013
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	E0013		E0019		E0019MS		E0019MSD		E0024	
Sampling Location :	G101		G102		G102		G102		FB	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:55		13:30		13:30		13:30		15:40	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	25	U	25	U	25	U	25	U	25	U
4-Nitrophenol	25	U	25	U	58		54		25	U
Dibenzofuran	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene	10	U	10	U	39		40		10	U
Diethylphthalate	10	U	10	U	10	U	10	U	10	U
Fluorene	10	U	10	U	10	U	10	U	10	U
4-Chlorophenyl-phenyl ether	10	U	10	U	10	U	10	U	10	U
4-Nitroaniline	25	U	25	U	25	U	25	U	25	U
4,6-Dinitro-2-methylphenol	25	U	25	U	25	U	25	U	25	U
N-Nitrosodiphenylamine	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl-phenylether	10	U	10	U	10	U	10	U	10	U
Hexachlorobenzene	10	U	10	U	10	U	10	U	10	U
Atrazine	10	U	10	U	10	U	10	U	10	U
Pentachlorophenol	25	U	25	UJ	69		78		25	U
Phenanthrene	10	U	10	U	10	U	10	U	10	U
Anthracene	10	U	10	U	10	U	10	U	10	U
Carbazole	10	U	10	U	10	U	10	U	10	U
Di-n-butylphthalate	10	U	10	U	10	U	10	U	10	U
Fluoranthene	10	U	10	U	10	U	10	U	10	U
Pyrene	10	U	10	U	38		49		10	U
Butylbenzylphthalate	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	10	U	10	U	10	U	10	U	10	U
Benzo(a)anthracene	10	U	10	U	10	U	10	U	10	U
Chrysene	10	U	10	U	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	10	U	10	U	10	U	10	U	10	U
Di-n-octylphthalate	10	U	10	U	10	UJ	10	U	10	U
Benzo(b)fluoranthene	10	U	10	U	10	UJ	10	U	10	U
Benzo(k)fluoranthene	10	U	10	U	10	UJ	10	U	10	U
Benzo(a)pyrene	10	U	10	U	10	UJ	10	U	10	U
Indeno(1,2,3-cd)pyrene	10	U	10	U	10	UJ	10	U	10	U
Dibenzo(a,h)anthracene	10	U	10	U	10	UJ	10	U	10	U
Benzo(g,h,i)perylene	10	U	10	U	10	UJ	10	U	10	U

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0013
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	SBLKFB									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture	N/A									
pH :	7.0									
Dilution Factor :	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	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	R								
Hexachlorobutadiene	10	U								
Caprolactam	10	U								
4-Chloro-3-methylphenol	10	U								
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								

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0013
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	SBLKFB									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :	7.0									
Dilution Factor :	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
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	1	J								
Fluoranthene	10	U								
Pyrene	10	U								
Butylbenzylphthalate	10	U								
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								

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0013
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 3

Sample Number :	E0013		E0019		E0019MS		E0019MSD		E0024	
Sampling Location :	G101		G102		G102		G102		FB	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:55		13:30		13:30		13:30		15:40	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050	U	0.050	U	0.10	U	0.10	U	0.050	U
beta-BHC	0.050	U	0.050	U	0.10	U	0.10	U	0.050	U
delta-BHC	0.050	U	0.050	U	0.10	U	0.10	U	0.050	U
gamma-BHC (Lindane)	0.050	U	0.050	UJ	0.90		0.76		0.050	U
Heptachlor	0.050	U	0.050	U	0.91		0.76		0.050	U
Aldrin	0.050	U	0.050	U	0.74		0.66		0.050	U
Heptachlor epoxide	0.050	U	0.050	U	0.10	U	0.10	U	0.050	U
Endosulfan I	0.050	U	0.050	U	0.10	U	0.10	U	0.050	U
Dieldrin	0.10	U	0.10	U	2.1		1.8		0.10	U
4,4'-DDE	0.10	U	0.10	U	0.061	J	0.058	J	0.10	U
Endrin	0.10	U	0.10	U	2.0		1.7		0.10	U
Endosulfan II	0.10	U	0.10	U	0.20	U	0.20	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.0090	J	0.0080	J	0.10	U
Endosulfan sulfate	0.10	U	0.10	U	0.20	U	0.20	U	0.10	U
4,4'-DDT	0.010	J	0.10	U	1.7		1.6		0.50	U
Methoxychlor	0.50	U	0.50	U	1.0	U	1.0	U	0.50	U
Endrin ketone	0.10	U	0.10	U	0.20	J	0.14	J	0.10	U
Endrin aldehyde	0.10	U	0.10	U	0.20	U	0.20	U	0.10	U
alpha-Chlordane	0.050	U	0.050	U	0.10	U	0.10	U	0.050	U
gamma-Chlordane	0.050	U	0.050	U	0.10	U	0.10	U	0.050	U
Toxaphene	5.0	U	5.0	U	10	U	10	U	5.0	U
Aroclor-1016	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U
Aroclor-1221	2.0	U	2.0	U	4.0	U	4.0	U	2.0	U
Aroclor-1232	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U
Aroclor-1242	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U
Aroclor-1248	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U
Aroclor-1254	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U
Aroclor-1260	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case #: 29298 SDG : E0013
Site : CLIFFS CONTAINER
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	PBLK1									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :	7.0									
Dilution Factor :	1.0									
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	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	0.015	J								
Endrin ketone	0.10	U								
Endrin aldehyde	0.0050	J								
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								

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 6-13-01

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: CLIFF'S CONTAINER (IL)

CASE NUMBER: 29298 SDG NUMBER: E0013

Number and Type of Samples: 4 (WATER)

Sample Numbers: E0013, E0019, E0024-25

Laboratory: ATS Hrs for Review:

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

AATSLA

Sample Delivery Group (SDG) Cover Sheet

SDG Number: E0013

Laboratory Name:	American Analytical & Technical Services, Incorporated	Laboratory Code	AATSLA
Contract No.	68-W0-0078	Case No.	29298
Analysis Price	$594.00	SDG Turnaround	21 Days

EPA Sample Numbers in SDG (Listed in Numberical Order)

1) E0013	7)	13)	19)
2) E0019	8)	14)	20)
3) E0024	9)	15)	21)
4) E0025	10)	16)	22)
5)	11)	17)	23)
	12)	18)	24)

E0013	E0025
First Sample in SDG	Last Sample in SDG
05/23/01	05/23/01
First Sample Receipt Date	Last Sample Receipt Date

Note: There are a maximum of 20 field samples (excluding PE samples) in an SDG. Attach TRs to this form in alphanumeric order (the order listed above on this form).

Signature Nancy LeBlanc Date 05/31/01

CORRECTED

USEPA Contract Laboratory Program
Organic Traffic Report

Case No: 29298
DAS No:
SDG No:
L

Date Shipped: 5/22/01 Carrier Name: FedEx Airbill: 4684285152 Shipped to: American Analytical & Technical Services (AATSLA) 11950 Industriplex Blvd. Baton Rouge LA 70809 (225) 753-8650	Date Received/Received by: Lab Contract No: Unit Price: Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): Tony Wasilewski Relinquished By: [signature] Date / Time: 5-22/1700 Received By: [signature] Relinquished By: Date / Time: Received By: Relinquished By: Date / Time: 5/23/01 1030 Received By: [signature]

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0010	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43472, 5-43473 (2)	S102	5/22/01 11:10	ME0010	1 32oz, 2-2oz
E0011	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43476, 5-43477 (2)	S101	5/22/01 11:15	ME0011	" "
E0013	Ground Water/ Tony Wasilewski	L/G	BNA (21), PEST (21), VOA (21)	5-43481 (Ice Only), 5-43482, 5-43483 (HCL), 5-43484 (HCL) (4)	G101	5/22/01 11:55	ME0013	2 gal 2 vial
E0014	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43487, 5-43488 (2)	S103	5/22/01 11:55	ME0014	1 32oz, 2-2oz
E0016	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43491, 5-43492 (2)	S104	5/22/01 12:45	ME0016	
E0017	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43495, 5-43496 (2)	S105	5/22/01 13:15	ME0017	
E0018	Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43499, 5-43500 (2)	S106	5/22/01 13:15	ME0018	
E0019	Ground Water/ Tony Wasilewski	L/G	BNA (21), PEST (21), VOA (21)	5-43264, 5-43265, 5-43266 (HCL), 5-43267 (HCL) (4)	G102	5/22/01 13:30	ME0019	2 gal 2 vial
E0020	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43270, 5-43271 (2)	X101	5/22/01 14:30	ME0020	1 32oz, 1 2oz 3-6oz
E0021	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43274, 5-43275 (2)	X102	5/22/01 14:50	ME0021	
E0022	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43278, 5-43279 (2)	X103	5/22/01 15:10	ME0022	
E0023	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43282, 5-43283 (2)	X104	5/22/01 15:30	ME0023	
E0024	Ground Water/ Tony Wasilewski	L/G	BNA (21), PEST (21), VOA (21)	5-43286, 5-43287, 5-43288 (HCL), 5-43289 (HCL) (4)	FB	5/22/01 15:40	ME0024	2 gal 2 vial

COPY (N) 052901

ORIGINALS FILED WITH CSF E0010 | 29298

CORRECTED

SDG: [redacted] E0013 (N) 053101

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 6°C	Chain of Custody Seal Number: 20078, 20075, 26056
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced?

BNA = CLP TCL Semivolatiles, BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222
TR Number: 5-324306854-052201-0003

000005

(3 Coolers)

US[illegible]A Contract Laboratory Program
Organic Traffic Report

Case No:	29298
DAS No:	
SDG No:	

L

Date Shipped: 5/22/01	Date Received/Received by:	Sampler (Signature): Tony Warlow	
Carrier Name: FedEx	Lab Contract No: Unit Price:	Relinquished By: [signature]	Date / Time: 5-22 / 1700	Received By: [signature]
Airbill: 4684285152	Transfer To:	Relinquished By:	Date / Time:	Received By:
Shipped to: American Analytical & Technical Services (AATSLA) 11950 Industriplex Blvd. Baton Rouge LA 70809 (225) 753-8650	Date Received/Received By:	Relinquished By:	Date / Time: 5/23/01 1030	Received By: [signature]
	Lab Contract No: Price:			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0025	Ground Water/ Tony Wasilewski	L/G	VOA (21)	5-43291 (HCL), 5-43293 (HCL) (2)	TB	5/21/01		2 Vials
E0026	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43295, 5-43296 (2)	X105	5/22/01 15:40	ME0026	1 32oz, 1 2oz, 3 ener
E0027	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43299, 5-43300 (2)	X106	5/22/01 16:00	ME0027	
E0028	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43305, 5-43306 (2)	X107	5/22/01 16:20	ME0028	
E0029	Soil/Sediment/ Tony Wasilewski	L/G	BNA/PEST (21), VOA (21)	5-43309, 5-43310 (2)	X108	5/22/01 16:20	ME0029	

SDG: [redacted]

E0013 @ 053101

CORRECTED

ORIGINALS FILED WITH CSF E0010 | 29298

COPY @ 052401

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 7°C	Chain of Custody Seal Number: 20078, 20075, 26056
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ✓	Shipment Iced?

BNA = CLP TCL Semivolatiles, BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.

Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-052201-0003

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JUN 1 3 2001

AMERICAN ANALYTICAL & TECHNICAL SERVICES, INC.

11950 Industriplex Blvd. • Baton Rouge, LA 70809 • Office (225) 753-8650 • Fax (225) 751-1405

000001

SDG NARRATIVE

Laboratory Name: **AATSLA**, Baton Rouge, LA
Case No.: 29298
SDG No.: E0013
Contract: 68-W0-0078

Samples were received May 23rd, 2001, for organic analyses following the USEPA Contract Laboratory Program (CLP) Statement of Work (SOW) OLM04.2 and the terms of contract 68W00078. The sample ID's and the pH of the volatile water vial, measured just following analysis, are as listed below in Table I.

TABLE I

EPA Sample ID:	pH:
E0013	<2
E0019	<2
E0019MS	<2
E0019MSD	<2
E0024	<2
E0025	NA (FQC)

General: The samples of this SDG were received in a number of shipments intact and on ice. The temperature of the samples at receipt was recorded as 6 to 7°C. No problems were recorded with the receipt of the samples.

Volatile Organic Analysis:

All calibration, internal standard, matrix spike and surrogate control criteria were within contractual limits. All VOA holding times were met.

No additional volatile fraction billables are submitted for this SDG.

A 75m x 0.53mm ID, 3μm film DB-624 J&W Bonded, fused silica capillary column was utilized for analysis. Also a 30.5 cm Supelco Purge Trap "I" (VOCARB 4000) consisting of Carbopack C & B/Carboxen 1000 & 1001

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SDG NARRATIVE

Semi-Volatile Organic Analysis:

All calibration, internal standard, and surrogate control criteria were within normal limits with the exception of an internal standard outlier for the MS of sample E0013. Accuracy advisory limits were exceeded with the MS/MSD pair of sample E0013 for one component.

No additional semivolatile analyses are presented in the report (for billing purposes):

Column used for semivolatile analysis:

Restek XTI-5 (Bonded fused silica, 5% Phenyl, 95% Methyl silicone), 0.25mm internal diameter, 0.25μm film thickness, 30m length.

Pesticide Organic Analysis:

The Columns used for Pesticide analysis are:

a. CLPESTICII - Restek Proprietary 0.53 mm ID, 30 m length.
b. CLPESTIC - Restek Proprietary 0.53 mm ID, 30 m length

No significant problems were encountered in the analyses of this Sample Delivery Group.

Qualifications:

Volatile and semivolatile target analytes were evaluated and reported to a quantification report limit of 1.0. Compounds that were detected below this level were assessed only if they otherwise were detected as a TIC.

Note that results for xylenes as presented on quantitation reports are not calculated in accordance to the requirements of the SOW. Corrections in compliance with the SOW are manually generated and are documented on applicable quantitation reports.

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SDG NARRATIVE

Dilutions are generally performed to bring target analytes into instrument calibration range. A second level of dilution may have been reported (if performed) to provide added value. Dilutions performed for other reasons are explained elsewhere in this narrative.

Volatile soil samples analyzed using the Method 5035 technique are indicated by the word "Encore" (or like notation) on the header of the quantification report. Those performed using soil from a jar are those generally analyzed with exact sample weights of 5.0g and the word "jar" written on the quantification report header.

Quantification limits for Encore samples containing more than 5.0 grams are arbitrarily cut off at the CRQL of 10 as required by the SOW.

Manual integrations, if necessary, were performed to correct errors of automated software routines. They are represented by an "m" flag on the quantification reports and are each accompanied by hardcopy graphic displays initialed and dated by the analyst or reviewer performing the manual integration.

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

Nancy LeBlanc

John Troost
GC/MS Supervisor
11 June, 2001

JT/nl

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKAU	99	91	87		0
02	VBLKAV	102	93	89		0
03	E0013	98	95	87		0
04	E0019	98	93	89		0
05	E0024	99	94	89		0
06	E0025	99	93	91		0
07	E0019MS	97	94	91		0
08	E0019MSD	97	94	91		0
09	VHBLKAX	103	97	104		0
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix Spike - EPA Sample NO.: E0019

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	1300	0	1300	100	61-145
Trichloroethene	1300	0	1400	108	71-120
Benzene	1300	0	1400	108	76-127
Toluene	1300	0	1300	100	76-125
Chlorobenzene	1300	0	1300	100	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	1300	1300	100	0	14	61-145
Trichloroethene	1300	1500	115	6	14	71-120
Benzene	1300	1500	115	6	11	76-127
Toluene	1300	1300	100	0	13	76-125
Chlorobenzene	1300	1300	100	0	13	75-130

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKAU

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Lab File ID: 152A05 Lab Sample ID: WB0601A

Date Analyzed: 06/01/01 Time Analyzed: 1112

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HPA

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0013	50099.01	152A06	1141
02	E0019	50099.02	152A11	1405
03	E0024	50099.05	152A12	1434
04	E0025	50099.06	152A13	1503
05	E0019MS	50099.03	152A14	1533
06	E0019MSD	50099.04	152A15	1602
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKAV

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Lab File ID: 153A04 Lab Sample ID: WB0602A

Date Analyzed: 06/02/01 Time Analyzed: 1225

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HPA

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLKAX	SDG:E0013	153A21	2027
02				
03				
04				
05				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0013

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.01

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A06.D

Level: (low/med) LOW Date Received: 05/23/01

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

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-Trichlorcethane	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.

E0013

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.01

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A06.D

Level: (low/med) LOW Date Received: 05/23/01

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

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

EPA SAMPLE NO.

E0013

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.01

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A06.D

Level: (low/med) LOW Date Received: 05/23/01

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

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
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.02

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A11.D

Level: (low/med) LOW Date Received: 05/23/01

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

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.0

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	250	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	250	U
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichloroflucromethane	250	U
75-35-4	1,1-Dichloroethene	250	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U
67-64-1	Acetone	210	J
75-15-0	Carbon Disulfide	250	U
79-20-9	Methyl Acetate	250	U
75-09-2	Methylene Chloride	56	J
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-Butyl Ether	250	U
75-34-3	1,1-Dichloroethane	250	U
156-59-2	cis-1,2-Dichloroethene	250	U
78-93-3	2-Butanone	3000	
67-66-3	Chloroform	250	U
71-55-6	1,1,1-Trichloroethane	250	U
110-82-7	Cyclohexane	250	U
56-23-5	Carbon Tetrachloride	250	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	250	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.02

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A11.D

Level: (low/med) LOW Date Received: 05/23/01

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

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.0

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	250	U
108-87-2	Methylcyclohexane	250	U
78-87-5	1,2-Dichlorcpropane	250	U
75-27-4	Bromodichloromethane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	250	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	250	U
124-48-1	Dibromochloromethane	250	U
106-93-4	1,2-Dibromoethane	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
1330-20-7	Xylene (total)	250	U
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
98-82-8	Isopropylbenzene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
95-50-1	1,2-Dichlorobenzene	250	U
96-12-8	1,2-Dibromo-3-chloropropane	250	U
120-82-1	1,2,4-Trichlorobenzene	250	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0019

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.02

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A11.D

Level: (low/med) LOW Date Received: 05/23/01

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

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.0

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
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.03

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A14.D

Level: (low/med) LOW Date Received: 05/23/01

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

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.0

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	250	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	250	U
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichlorofluoromethane	250	U
75-35-4	1,1-Dichloroethene	1300	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U
67-64-1	Acetone	250	
75-15-0	Carbon Disulfide	250	U
79-20-9	Methyl Acetate	250	U
75-09-2	Methylene Chloride	250	U
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-Butyl Ether	250	U
75-34-3	1,1-Dichloroethane	250	U
156-59-2	cis-1,2-Dichloroethene	250	U
78-93-3	2-Butanone	2700	
67-66-3	Chloroform	250	U
71-55-6	1,1,1-Trichloroethane	250	U
110-82-7	Cyclohexane	250	U
56-23-5	Carbon Tetrachloride	250	U
71-43-2	Benzene	1400	
107-06-2	1,2-Dichloroethane	250	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.03

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A14.D

Level: (low/med) LOW Date Received: 05/23/01

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

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.0

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	1400	
108-87-2	Methylcyclohexane	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	250	U
108-88-3	Toluene	1300	
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	250	U
124-48-1	Dibromochloromethane	250	U
106-93-4	1,2-Dibromoethane	250	U
108-90-7	Chlorobenzene	1300	
100-41-4	Ethylbenzene	250	U
1330-20-7	Xylene (total)	250	U
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
98-82-8	Isopropylbenzene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
95-50-1	1,2-Dichlorobenzene	250	U
96-12-8	1,2-Dibromo-3-chloropropane	250	U
120-82-1	1,2,4-Trichlorobenzene	250	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.04

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A15.D

Level: (low/med) LOW Date Received: 05/23/01

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

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.0

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	250	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	250	U
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichlorofluoromethane	250	U
75-35-4	1,1-Dichlorcethene	1300	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U
67-64-1	Acetone	260	
75-15-0	Carbon Disulfide	250	U
79-20-9	Methyl Acetate	250	U
75-09-2	Methylene Chloride	28	J
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-Butyl Ether	250	U
75-34-3	1,1-Dichloroethane	250	U
156-59-2	cis-1,2-Dichloroethene	250	U
78-93-3	2-Butanone	3000	
67-66-3	Chloroform	250	U
71-55-6	1,1,1-Trichloroethane	250	U
110-82-7	Cyclohexane	250	U
56-23-5	Carbon Tetrachloride	250	U
71-43-2	Benzene	1500	
107-06-2	1,2-Dichloroethane	250	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.04

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A15.D

Level: (low/med) LOW Date Received: 05/23/01

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

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.0

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	1500	
108-87-2	Methylcyclohexane	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	250	U
108-88-3	Toluene	1300	
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	250	U
124-48-1	Dibromochloromethane	250	U
106-93-4	1,2-Dibromoethane	250	U
108-90-7	Chlorobenzene	1300	
100-41-4	Ethylbenzene	250	U
1330-20-7	Xylene (total)	250	U
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
98-82-8	Isopropylbenzene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
95-50-1	1,2-Dichlorobenzene	250	U
96-12-8	1,2-Dibromo-3-chloropropane	250	U
120-82-1	1,2,4-Trichlorobenzene	250	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0024

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.05

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A12.D

Level: (low/med) LOW Date Received: 05/23/01

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

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	1	J
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.

E0024

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.05

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A12.D

Level: (low/med) LOW Date Received: 05/23/01

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

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.

E0024

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.05

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A12.D

Level: (low/med) LOW Date Received: 05/23/01

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

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
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0025

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.06

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A13.D

Level: (low/med) LOW Date Received: 05/23/01

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

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.

E0025

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.06

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A13.D

Level: (low/med) LOW Date Received: 05/23/01

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

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.

E0025

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.06

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A13.D

Level: (low/med) LOW Date Received: 05/23/01

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

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
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAU

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: WB0601A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A05.D

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

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

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.

VBLKAU

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: WB0601A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A05.D

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

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

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.

VBLKAU

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: WB0601A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 152A05.D

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

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

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
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAV

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: WB0602A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 153A04.D

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

% Moisture: not dec._____ Date Analyzed: 06/02/01

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.

VBLKAV

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: WB0602A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 153A04.D

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

% Moisture: not dec._____ Date Analyzed: 06/02/01

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.

VBLKAV

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: WB0602A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 153A04.D

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

% Moisture: not dec._____ Date Analyzed: 06/02/01

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.

VHBLKAX

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: SDG:E0013

Sample wt/vol: 5 (g/mL) ML Lab File ID: 153A21.D

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

% Moisture: not dec._____ Date Analyzed: 06/02/01

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-Dichlorcethene	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.

VHBLKAX

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: SDG:E0013

Sample wt/vol: 5 (g/mL) ML Lab File ID: 153A21.D

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

% Moisture: not dec._____ Date Analyzed: 06/02/01

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.

VHBLKAX

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: SDG:E0013

Sample wt/vol: 5 (g/mL) ML Lab File ID: 153A21.D

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

% Moisture: not dec._____ Date Analyzed: 06/02/01

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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2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKFB	72	74	95	70	69	83	72	64	0
02	E0013	67	65	88	65	68	80	68	56	0
03	E0019	63	62	55	61	59	74	61	47	0
04	E0019MS	67	64	70	61	59	76	62	48	0
05	E0019MSD	72	73	84	67	66	88	67	56	0
06	E0024	56	54	75	55	57	70	58	42	0
07										
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

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

3C
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix Spike - EPA Sample NO.: E0019

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75	0	53	71	12-110
2-Chlorophenol	75	0	52	69	27-123
N-Nitroso-di-n-prop.(1)	50	0	37	74	41-116
4-Chloro-3-methylphenol	75	0	51	68	23- 97
Acenaphthene	50	0	35	70	46-118
4-Nitrophenol	75	0	58	77	10- 80
2,4-Dinitrotoluene	50	0	39	78	24- 96
Pentachlorophenol	75	0	69	92	9-103
Pyrene	50	0	38	76	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	56	75	5	42	12-110
2-Chlorophenol	75	55	73	6	40	27-123
N-Nitroso-di-n-prop.(1)	50	37	74	0	38	41-116
4-Chloro-3-methylphenol	75	48	64	6	42	23- 97
Acenaphthene	50	39	78	11	31	46-118
4-Nitrophenol	75	54	72	7	50	10- 80
2,4-Dinitrotoluene	50	40	80	3	38	24- 96
Pentachlorophenol	75	78	104 *	12	50	9-103
Pyrene	50	49	98	25	31	26-127

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

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

* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 1 out of 18 outside limits

Comments:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKFB

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Lab File ID: 157F09 Lab Sample ID: MB0524-M

Instrument ID: HPF Date Extracted: 06/24/01

Matrix: (soil/water) WATER Date Analyzed: 06/06/01

Level: (low/med) LOW Time Analyzed: 1201

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0013	50099.01	157F11	06/06/01
02	E0019	50099.02	157F12	06/06/01
03	E0019MS	50099.03	157F13	06/06/01
04	E0019MSD	50099.04	157F14	06/06/01
05	E0024	50099.05	157F15	06/06/01
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Comments:

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0013

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F11.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
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.

E0013

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F11.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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.

E0013

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F11.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	4.39	4	J
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F12.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
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.

E0019

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F12.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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.

E0019

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F12.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 7

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.87	430	J
2.		UNKNOWN	4.35	34	J
3.		UNKNOWN	4.89	38	J
4.		UNKNOWN	4.94	290	J
5.		UNKNOWN	5.04	5	J
6.	50-84-0	BENZOIC ACID, 2,4-DICHLORO-	6.19	24	JN
7.	126-73-8	PHOSPHORIC ACID TRIBUTYL EST	6.97	8	JN
8.					
9.					
10.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F13.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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	53	
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	52	
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	37	
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	51	
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	35	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F13.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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	58	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	39	
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	69	
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	38	
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F14.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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	56	
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	55	
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	37	
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	48	
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	39	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F14.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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	54	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	40	
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	78	
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	49	
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0024

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F15.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
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.

E0024

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F15.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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.

E0024

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F15.D

Level: (low/med) LOW Date Received: 05/23/01

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFB

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: MB0524-M

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F09.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
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.

SBLKFB

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: MB0524-M

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F09.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

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	1	J
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.

SBLKFB

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: MB0524-M

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 157F09.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/01

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.47	6	J
2.		UNKNOWN	2.97	2	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
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21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

2E
WATER PESTICIDE SURROGATE RECOVERY

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

GC Column(1): CLPEST ID: 0.53(mm) GC Column(2): CLPESTII ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK1	78	75	57	64			0
02	E0013	78	79	80	85			0
03	E0019	81	82	57	61			0
04	E0019MS	89	87	65	68			0
05	E0019MSD	69	68	68	74			0
06	E0024	77	79	75	82			0
07								
08								
09								
10								
11								
12								
13								
14								
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17								
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22								
23								
24								
25								
26								
27								
28								
29								
30								

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

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

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix Spike - EPA Sample NO.: E0019

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
gamma-BHC(Lindane)	1.0	0	0.90	90	56-123
Heptachlor	1.0	0	0.91	91	40-131
Aldrin	1.0	0	0.74	74	40-120
Dieldrin	2.0	0	2.1	105	52-126
Endrin	2.0	0	2.0	100	56-121
4,4'-DDT	2.0	0	1.7	85	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	1.0	0.76	76	17 *	15	56-123
Heptachlor	1.0	0.76	76	18	20	40-131
Aldrin	1.0	0.66	66	11	22	40-120
Dieldrin	2.0	1.8	90	15	18	52-126
Endrin	2.0	1.7	85	16	21	56-121
4,4'-DDT	2.0	1.6	80	6	27	38-127

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

* Values outside of QC limits

RPD: 1 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

Comments:

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK1

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Lab Sample ID: BL010525WA Lab File ID: 10F03034

Matrix: (soil/water) WATER Extraction: (Type) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 05/25/01

Date Analyzed (1): 06/01/01 Date Analyzed (2): 06/01/01

Time Analyzed (1): 1126 Time Analyzed (2): 1126

Instrument ID (1): HP10F Instrument ID (2): HP10R

GC Column (1): CLPEST ID: 0.53(mm) GC Column (2): CLPESTII ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E0013	50099.01	06/01/01	06/01/01
02	E0019	50099.02	06/01/01	06/01/01
03	E0019MS	50099.03MS	06/01/01	06/01/01
04	E0019MSD	50099.04MSD	06/01/01	06/01/01
05	E0024	50099.05	06/01/01	06/01/01
06				
07				
08				
09				
10				
11				
12				
13				
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19				
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22				
23				
24				
25				
26				

Comments:

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0013

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.01

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

% Moisture: _____ Decanted: (Y/N) __ Date Received: 05/23/01

Extraction: (Type) CONT Date Extracted: 05/25/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/01/01

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	0.0097	PJ
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.

E0019

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.02

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

% Moisture: _____ Decanted: (Y/N) __ Date Received: 05/23/01

Extraction: (Type) CONT Date Extracted: 05/25/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/01/01

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.

E0019MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.03MS

Sample wt/vol: 500 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) __ Date Received: 05/23/01

Extraction: (Type) CONT Date Extracted: 05/25/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/01/01

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	0.10	U
319-85-7	beta-BHC	0.10	U
319-86-8	delta-BHC	0.10	U
58-89-9	gamma-BHC (Lindane)	0.90	
76-44-8	Heptachlor	0.91	
309-00-2	Aldrin	0.74	
1024-57-3	Heptachlor epoxide	0.10	U
959-98-8	Endosulfan I	0.10	U
60-57-1	Dieldrin	2.1	
72-55-9	4,4'-DDE	0.061	J
72-20-8	Endrin	2.0	
33213-65-9	Endosulfan II	0.20	U
72-54-8	4,4'-DDD	0.0086	PJ
1031-07-8	Endosulfan sulfate	0.20	U
50-29-3	4,4'-DDT	1.7	
72-43-5	Methoxychlor	1.0	U
53494-70-5	Endrin ketone	0.20	
7421-93-4	Endrin aldehyde	0.026	JB
5103-71-9	alpha-Chlordane	0.10	U
5103-74-2	gamma-Chlordane	0.10	U
8001-35-2	Toxaphene	10	U
12674-11-2	Aroclor-1016	2.0	U
11104-28-2	Aroclor-1221	4.0	U
11141-16-5	Aroclor-1232	2.0	U
53469-21-9	Aroclor-1242	2.0	U
12672-29-6	Aroclor-1248	2.0	U
11097-69-1	Aroclor-1254	2.0	U
11096-82-5	Aroclor-1260	2.0	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0019MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.04MSD

Sample wt/vol: 500 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) __ Date Received: 05/23/01

Extraction: (Type) CONT Date Extracted: 05/25/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/01/01

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	0.10	U
319-85-7	beta-BHC	0.10	U
319-86-8	delta-BHC	0.10	U
58-89-9	gamma-BHC (Lindane)	0.76	
76-44-8	Heptachlor	0.76	
309-00-2	Aldrin	0.66	
1024-57-3	Heptachlor epoxide	0.10	U
959-98-8	Endosulfan I	0.10	U
60-57-1	Dieldrin	1.8	
72-55-9	4,4'-DDE	0.058	J
72-20-8	Endrin	1.7	
33213-65-9	Endosulfan II	0.20	U
72-54-8	4,4'-DDD	0.0080	PJ
1031-07-8	Endosulfan sulfate	0.20	U
50-29-3	4,4'-DDT	1.6	
72-43-5	Methoxychlor	1.0	U
53494-70-5	Endrin ketone	0.14	J
7421-93-4	Endrin aldehyde	0.016	JB
5103-71-9	alpha-Chlordane	0.10	U
5103-74-2	gamma-Chlordane	0.10	U
8001-35-2	Toxaphene	10	U
12674-11-2	Aroclor-1016	2.0	U
11104-28-2	Aroclor-1221	4.0	U
11141-16-5	Aroclor-1232	2.0	U
53469-21-9	Aroclor-1242	2.0	U
12672-29-6	Aroclor-1248	2.0	U
11097-69-1	Aroclor-1254	2.0	U
11096-82-5	Aroclor-1260	2.0	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0024

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: 50099.05

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

% Moisture: _____ Decanted: (Y/N) __ Date Received: 05/23/01

Extraction: (Type) CONT Date Extracted: 05/25/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/01/01

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.

PBLK1

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 29298 SAS No.: SDG No.: E0013

Matrix: (soil/water) WATER Lab Sample ID: BL010525WA

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

% Moisture: _____ Decanted: (Y/N)___ Date Received: _____

Extraction: (Type) CONT Date Extracted: 05/25/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/01/01

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	0.015	PJ
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.0054	PJ
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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0013 CERCLIS No: ILD000768481

Case No: 29298 Site Name/Location: CHIEF'S CONTAINER

Contractor or EPA Lab: AATS Data User: IEPA

No. of Samples: 4 Date Sampled or Date Received: 6-13-01

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ✓ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 4 No. of samples received: 4

Received by: Eva M. Dixon / ESAT Date: 6-13-01

Received by LSSS: Eva M. Dixon / ESAT Date: 6-13-01

Review started: ____ Reviewer Signature: ____

Total time spent on review: ____ Date review completed: ____

Copied by: Eva M. Dixon / ESAT Date: 6-19-01

Mailed to user by: Eva M. Dixon / ESAT Date: 6-19-01

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: ____

DATE: June 12, 2001

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: CLIFF CONTAINER

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
29298	SENTINEL	3	ME0013	WATER

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

RECEIVED
JUN 14 2001
IEPA-BOL-FSRS

JUN 1 1 2001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: June 12, 2001

SUBJECT: Review of Data
Received for Review on June 8, 2001

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

The data in this case has not been validated.
We have compiled the CADRE files into a narrative format for the following case:

SITE NAME: Cliff Container

CASE NUMBER: 29298 SDG NUMBER: ME0013

Number and Type of Samples: 3 waters

Sample Numbers: ME0013,19,24

Laboratory: Sentinel Hrs. for Review: 2

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

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IEPA-BOL-FSRS

Case Number : 29298
Site Name: Cliff Container

SDG Number: ME0013
Laboratory: Sentinel

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

NUMBER (##) MATRIX samples numbered ##, were collected on DATE. The lab received the samples on DATE in good condition. All samples were analyzed for metals and cyanide. All samples were analyzed using CLP SOW ILM04.1 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. Cyanide analysis was performed using the MIDI Distillation procedure. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

Assembled By: ESAT
Date: June 12, 2001

Case Number : 29298
Site Name: Cliff Container

SDG Number: ME0013
Laboratory: Sentinel

1. HOLDING TIME:

Holding Time Report

SDG NO: ME0013

HOLDING TIME CRITERIA

Inorganic

	-- Holding Time --		------- pH -------	
	Primary	Expanded	Primary	Expanded
Metals	180	0	2.0	0.0
Mercury	28	0	2.0	0.0
Cyanide	14	0	12.0	0.0

No problems found for this qualification.

2. CALIBRATIONS:

Calibration Report

SDG NO: ME0013

CALIBRATION CRITERIA

Inorganic

Percent Recovery Limits

	--- Primary ---		-- Expanded ---	
	Low	High	Low	High
Cyanide	85.00	115.00	70.00	130.00
AA	90.00	110.00	75.00	125.00
ICP	90.00	110.00	75.00	125.00
Mercury	80.00	120.00	65.00	135.00

No problems found for this qualification.

CRDL Standards Report

SDG NO: ME0013

Assembled By: ESAT
Date: June 12, 2001

Case Number : 29298
Site Name: Cliff Container

SDG Number: ME0013
Laboratory: Sentinel

DC-373: The following inorganic samples are associated with a CRDL standard with low percent recovery.

Arsenic
ME0013, ME0019, ME0024, PBW01

Lead
ME0013, ME0019, ME0024, PBW01

Selenium
ME0013, ME0019, ME0024, PBW01

DC-374: The following inorganic samples are associated with a CRDL standard with high percent recovery.
Hits and non-detects are flagged .

Thallium
ME0013, ME0019, ME0024, PBW01

3. BLANKS:

Laboratory Blanks Report

SDG NO: ME0013

LABORATORY BLANKS CRITERIA

DC-338: During review of the following inorganic samples, the reported IDL/default CRDL value was used for cyanide.

ME0013, ME0013A, ME0013D, ME0013S, ME0019, ME0024

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

Matrix Spike Report

SDG NO: ME0013

MATRIX SPIKE CRITERIA

Inorganic

Percent Recovery Limits

Upper	125.0
Lower	75.0
Extreme lower	30.0

Assembled By: ESAT
Date: June 12, 2001

DC-268: The following inorganic samples are associated with a matrix spike recovery which is low (30-74 %) indicating that sample results may be biased low.
Hits are qualified "J" and non-detects are qualified "UJ".

Selenium
ME0013, ME0013A, ME0013D, ME0019, ME0024

Cyanide
ME0013, ME0013A, ME0013D, ME0019, ME0024

LCS Report

SDG NO: ME0013

No problems found for this qualification.

5. LABORATORY AND FIELD DUPLICATE

Duplicates Report

SDG NO: ME0013

No problems found for this qualification.

6. ICP ANALYSIS

ICS Report

SDG NO: ME0013

DC-312: The following inorganic samples have elements other than Al, Ca, Fe, and Mg at concentrations higher than 10 ppm that may cause potential interference.
Hits are flagged "J" and non-detects are qualified "UJ".

Sodium
ME0013, ME0019

Serial Dilution Report

SDG NO: ME0013

No problems found for this qualification.

Assembled By: ESAT
Date: June 12, 2001

Case Number : 29298
Site Name: Cliff Container

SDG Number: ME0013
Laboratory: Sentinel

7. GFAA ANALYSIS

Furnace AA QC Report

SDG NO: ME0013

No problems found for this qualification.

8. SAMPLE RESULTS

All data, except those qualified above, are acceptable.

Sample Result Verification Report

SDG NO: ME0013

No problems found for this qualification.

Assembled By: ESAT
Date: June 12, 2001

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The data are unusable. (The compound may or may not be present)

Analytical Results (Qualified Data)

Case #: 29298 SDG : ME0013
Site : CLIFFS CONTAINER
Lab. : SENTIN
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 3

Sample Number :	ME0013		ME0019		ME0024		ME0013D		ME0013S	
Sampling Location :	G101		G102		FB		G101		G101	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	05/22/2001		05/22/2001		05/22/2001		05/22/2001		05/22/2001	
Time Sampled :	11:55		13:30		15:40		11:55		11:55	
%Solids :	0.0		0.0		0.0		0.0		0.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	168	U	5680		168	U	168	U	2130	
ANTIMONY	3.0	U	3.0	U	3.0	U	3.0	U	507	
ARSENIC	4.0	U	5.9		4.0	U	4.0	U	41.4	
BARIUM	37.9		172		1.7	U	37.1		2130	
BERYLLIUM	0.20	U	0.35		0.20	U	0.20	U	51.7	
CADMIUM	0.30	U	0.30	U	0.30	U	0.30	U	51.5	
CALCIUM	92000		149000		136	U	91000			
CHROMIUM	0.70	U	8.6		0.70	U	0.70	U	205	
COBALT	1.1	U	5.7		1.1	U	1.1	U	513	
COPPER	0.79		18.3		0.70	U	0.71		258	
IRON	54.6	U	19700		54.6	U	81.3		1020	
LEAD	1.5	U	16.0		1.5	U	1.5	U	20.6	
MAGNESIUM	48700		55100		132	U	48100			
MANGANESE	1.7		5970		1.6		2.5		521	
MERCURY	0.10	U	0.18		0.10	U	0.10	U	1.1	
NICKEL	1.7		12.4		1.5	U	1.9		516	
POTASSIUM	3340		4950		134		3250			
SELENIUM	3.4	UJ	3.4	UJ	3.4	UJ	3.4	UJ	7.4	
SILVER	0.80	U	0.96		0.80	U	0.80	U	51.6	
SODIUM	21900	J	82900	J	569		21400			
THALLIUM	3.9	U	3.9	U	3.9	U	3.9	U	51.9	
VANADIUM	0.90	U	11.8		0.90	U	0.90	U	512	
ZINC	7.8		64.4		0.80	U	7.3		521	
CYANIDE	1.1	UJ	1.1	UJ	1.1	UJ	1.1	UJ	65.6	

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

U(PA Contract Laboratory Program
Inorganic Traffic Report

Case No: 29298
DAS No:
SDG No: MEΦΦ13

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Date Shipped: 5/22/01 Carrier Name: FedEx Airbill: 4684285163 Shipped to: Sentinel Inc. 116 Washington Street, NE Huntsville AL 35801 (256) 534-9800	Date Received/Received by: 5/25/01 K. Hayes Lab Contract No: 68W00085 Unit Price: 108.00 Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): Tony Wasilewski Relinquished By: Date / Time: 5-23/1700	Received By:
		Relinquished By: Date / Time:	Received By:
		Relinquished By: Date / Time:	Received By:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME0013	Ground Water/ Tony Wasilewski	L/G	CN (21), TM (21)	5-43479 (HNO3), 5-43480 (HNO3), 5-43485 (NaOH) (3)	G101	5/22/01 11:55	E0013	
ME0019	Ground Water/ Tony Wasilewski	L/G	CN (21), TM (21)	5-43263 (HNO3), 5-43268 (NaOH), 5-43303 (HNO3) (3)	G102	5/22/01 13:30	E0019	
ME0024	Ground Water/ Tony Wasilewski	L/G	CN (21), TM (21)	5-43285 (HNO3), 5-43290 (NaOH) (2)	FB	5/22/01 15:40	E0024	

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 11°C	Chain of Custody Seal Number: 26037
Analysis Key: CN = Cyanide, TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Y	Shipment Iced? Y

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-052201-0005

JUN 08 2001

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

SOW No.: ILM04.1

EPA SAMPLE NO.	Lab Sample ID.
ME0013	38158S
ME0013D	38158S2
ME0013S	38158MS
ME0019	38159S
ME0024	38160S

Were ICP interelement corrections applied? Yes/No YES
Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

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

Signature:

Name: Title: Date: 6/5/01

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0013

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

Matrix (soil/water): WATER Lab Sample ID: 38158S

Level (low/med): LOW Date Received: 05/25/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	168	U		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	37.9	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	92000			P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.1	U		P
7440-50-8	Copper	0.79	B		P
7439-89-6	Iron	54.6	U		P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	48700			P
7439-96-5	Manganese	1.7	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	3340	B		P
7782-49-2	Selenium	3.4	U	N	P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	21900			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.90	U		P
7440-66-6	Zinc	7.8	B		P
	Cyanide	1.1	U	N	CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0019

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

Matrix (soil/water): WATER Lab Sample ID: 38159S

Level (low/med): LOW Date Received: 05/25/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5680			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	5.9	B		P
7440-39-3	Barium	172	B		P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	149000			P
7440-47-3	Chromium	8.6	B		P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	18.3	B		P
7439-89-6	Iron	19700			P
7439-92-1	Lead	16.0			P
7439-95-4	Magnesium	55100			P
7439-96-5	Manganese	5970			P
7439-97-6	Mercury	0.18	B		CV
7440-02-0	Nickel	12.4	B		P
7440-09-7	Potassium	4950	B		P
7782-49-2	Selenium	3.4	U	N	P
7440-22-4	Silver	0.96	B		P
7440-23-5	Sodium	82900			P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	11.8	B		P
7440-66-6	Zinc	64.4			P
	Cyanide	1.1	U	N	CA

Color Before: YELLOW Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CN PORTION IS ALSO YELLOW

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0024

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

Matrix (soil/water): WATER Lab Sample ID: 38160S

Level (low/med): LOW Date Received: 05/25/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	168	U		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	1.7	U		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	136	U		P
7440-47-3	Chromium	0.70	U		P
7440-48-4	Cobalt	1.1	U		P
7440-50-8	Copper	0.70	U		P
7439-89-6	Iron	54.6	U		P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	132	U		P
7439-96-5	Manganese	1.6	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.5	U		P
7440-09-7	Potassium	134	B		P
7782-49-2	Selenium	3.4	U	N	P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	569	B		P
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.90	U		P
7440-66-6	Zinc	0.80	U		P
	Cyanide	1.1	U	N	CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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BLANKS

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	168.1	U	168.1	U	168.1	U	168.1	U	168.100	U	P
Antimony	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Arsenic	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P
Barium	1.7	U	1.7	U	1.7	U	1.7	U	1.700	U	P
Beryllium	0.2	B	0.2	U	0.2	U	0.2	U	0.200	U	P
Cadmium	0.3	U	0.3	U	0.3	U	0.3	U	0.300	U	P
Calcium	136.5	U	136.5	U	136.5	U	136.5	U	136.500	U	P
Chromium	0.7	U	0.7	U	0.7	U	0.7	U	0.700	U	P
Cobalt	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Copper	0.7	U	0.7	U	0.7	U	0.9	B	0.700	U	P
Iron	54.6	U	54.6	U	54.6	U	54.6	U	54.600	U	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Magnesium	132.2	U	132.2	U	132.2	U	132.2	U	132.200	U	P
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Mercury	0.1	U	0.1	U	0.1	U			0.100	U	CV
Nickel	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Potassium	26.2	B	15.4	U	15.4	U	15.4	U	15.400	U	P
Selenium	3.4	U	3.4	U	3.4	U	3.4	U	3.400	U	P
Silver	0.8	U	0.8	U	0.8	U	0.8	U	0.800	U	P
Sodium	130.9	U	130.9	U	130.9	U	130.9	U	130.900	U	P
Thallium	5.8	B	3.9	U	3.9	U	3.9	U	3.900	U	P
Vanadium	0.9	U	0.9	U	0.9	U	0.9	U	0.900	U	P
Zinc	1.5	B	0.8	U	0.8	U	0.8	U	0.800	U	P
Cyanide	1.1	U	1.1	U	1.1	U			1.100	U	CA

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0013S

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

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

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2129.6177		168.1000	U	2000.00	106.5		P
Antimony	75-125	506.8657		3.0000	U	500.00	101.4		P
Arsenic	75-125	41.4429		4.0000	U	40.00	103.6		P
Barium	75-125	2129.2091		37.9141	B	2000.00	104.6		P
Beryllium	75-125	51.7461		0.2000	U	50.00	103.5		P
Cadmium	75-125	51.4904		0.3000	U	50.00	103.0		P
lcium									NR
Chromium	75-125	205.4076		0.7000	U	200.00	102.7		P
Cobalt	75-125	512.8959		1.1000	U	500.00	102.6		P
Copper	75-125	257.5219		0.7869	B	250.00	102.7		P
Iron	75-125	1023.3197		54.6000	U	1000.00	102.3		P
Lead	75-125	20.5941		1.5000	U	20.00	103.0		P
Magnesium									NR
Manganese	75-125	521.2567		1.6563	B	500.00	103.9		P
Mercury	75-125	1.0800		0.1000	U	1.00	108.0		CV
Nickel	75-125	515.8882		1.7084	B	500.00	102.8		P
Potassium									NR
Selenium	75-125	7.4126		3.4000	U	10.00	74.1	N	P
Silver	75-125	51.6195		0.8000	U	50.00	103.2		P
Sodium									NR
Thallium	75-125	51.9282		3.9000	U	50.00	103.9		P
Vanadium	75-125	512.0535		0.9000	U	500.00	102.4		P
Zinc	75-125	520.7358		7.8173	B	500.00	102.6		P
Cyanide	75-125	65.6349		1.1000	U	100.00	65.6	N	CA

Comments:

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0013A

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium		9.63		3.40	U	10.0	96.3		P
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide		24.00		1.10	U	20.0	120.0		CA

Comments:

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DUPLICATES

EPA SAMPLE NO.

ME0013D

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

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

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		168.1000	U	168.1000	U			P
Antimony		3.0000	U	3.0000	U			P
Arsenic		4.0000	U	4.0000	U			P
Barium		37.9141	B	37.1239	B	2.1		P
Beryllium		0.2000	U	0.2000	U			P
Cadmium		0.3000	U	0.3000	U			P
Calcium		92039.3945		90972.3047		1.2		P
Chromium		0.7000	U	0.7000	U			P
Cobalt		1.1000	U	1.1000	U			P
Copper		0.7869	B	0.7080	B	10.6		P
Iron		54.6000	U	81.3157	B	200.0		P
Lead		1.5000	U	1.5000	U			P
Magnesium		48698.4140		48105.1641		1.2		P
Manganese		1.6563	B	2.4901	B	40.2		P
Mercury		0.1000	U	0.1000	U			CV
Nickel		1.7084	B	1.8590	B	8.4		P
Potassium		3339.5557	B	3253.2029	B	2.6		P
Selenium		3.4000	U	3.4000	U			P
Silver		0.8000	U	0.8000	U			P
Sodium	5( )	21904.3438		21411.2598		2.3		P
Thallium		3.9000	U	3.9000	U			P
Vanadium		0.9000	U	0.9000	U			P
Zinc		7.8173	B	7.2712	B	7.2		P
Cyanide		1.1000	U	1.1000	U			CA

U.S. EPA - CLP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

ICP ID Number: P4 Date: 04/15/01

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.20		200	168.1	P
Antimony	206.80		60	3.0	P
Arsenic	189.00		10	4.0	P
Barium	493.40		200	1.7	P
Beryllium	313.00		5	0.2	P
Cadmium	226.50		5	0.3	P
Calcium	317.90		5000	136.5	P
Chromium	267.70		10	0.7	P
Cobalt	228.60		50	1.1	P
Copper	324.70		25	0.7	P
Iron	271.40		100	54.6	P
Lead	220.30		3	1.5	P
Magnesium	279.00		5000	132.2	P
Manganese	257.60		15	0.4	P
Mercury			0.2		NR
Nickel	231.60		40	1.5	P
Potassium	766.40		5000	15.4	P
Selenium	196.00		5	3.4	P
Silver	328.00		10	0.8	P
Sodium	330.20		5000	130.9	P
Thallium	190.80		10	3.9	P
Vanadium	292.40		50	0.9	P
Zinc	206.20		20	0.8	P
Cyanide			10		NR

Comments:

P4: THERMO JARRELL ASH

U.S. EPA - CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

ICP ID Number: Date: 04/15/01

Flame AA ID Number: C5

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.70		0.2	0.1	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR

Comments:
C5: CETAC M6000

U.S. EPA - CLP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 29298 SAS No.: SDG No.: ME0013

ICP ID Number: Date: 04/15/01

Flame AA ID Number: C1

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide	578.00		10	1.1	CA

Comments:
C1: LACHAT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: JUN 25 2001

Subject: Review of Region 5 Data for Cliffs Container Code:ZZ

From: ESAT , Chemist
Region 5 Central Regional Laboratory

To: Bob Casper
IEPA

Attached are the results for Site: Cliffs Container Code:ZZ
CRL Data Set Number: 20010037
for analyses of : ICP Metals
Results are reported for sample numbers: 2001IE10S01, 2001IE10D01, 2001IE10S02 and 2001IE10R01

Results Status:
(x) Acceptable for Use
(x) Data Qualified, but Acceptable for use for Vanadium and Zinc
( ) Data Unacceptable for Use

RECEIVED
JUN 27 2001
IEPA-BOL-FSRS

JUN 25 2001

CRL Data Management Coordinator and Date Received

Date Transmitted: JUN 25 2001

Please have the US EPA project leader fill out the customer survey form on the Region 5 Intranet: http://www.r5intra.epa.gov/crl/qa.html, (← by clicking on this link, or call George Schupp, CRL Sample Coordinator, at 3-1226).

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML - 10C

Received by and Date

Comments:

2001 08 7 50102D

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: METALS

DIVISION/BRANCH Super Fund SAMPLE DATE 5/22/2001 LAB ARRIVAL DATE 5/23/2001 DUE DATE 6/25/2001

DU NUMBER 50102D DATA SET NUMBER 837 STUDY Cliffs Container PRIORITY N CONTRACTOR IEPA

CRL LOG NUMBER	SAMPLE DESCRIPTION PH Preparing for All Samples (1)	TOTAL METALS WATER TOTAL ICAP UG/L MET111	TOTAL METALS WATER AS UG/L MET181	TOTAL METALS WATER PB UG/L MET1191	TOTAL METALS WATER SB UG/L MET1201	TOTAL METALS WATER SE UG/L MET1211	TOTAL METALS WATER TL UG/L MET1221
2001 IE10 S01	G201 5-043426	X	X	X	X	X	X
2001 IE10 D01	G202 5-043435	X	X	X	X	X	X
2001 IE10 S02	G203 5-043444-445, 5-043446	X	X	X	X	X	X
2001 IE10 R01	FB 5-043415	X	X	X	X	X	X

000004

Method Number: CRL METALS 003
Date Generated: June 5,2001
Author: R.Dilg, IITRI-ESAT

Site Name: Cliffs Container
Task Order Number: 05-0-02
TDF Number: 5-02-012
Job No.: 102-006-001
Batch ID No.: 20010037
Parameter: ICP

ICP NARRATIVE

This narrative covers the analysis of 4 water samples from the named site sampled for ICP metals analysis.

Sample Nos.	Sample Station ID's	Sample collected	Analysis dates
2001IE10S01	G201	05-22-2001	05-31-2001
2001IE10D01	G202	05-22-2001	05-31-2001
2001IE10S02	G203	05-22-2001	05-31-2001
2001IE10R01	FB	05-22-2001	05-31-2001

The samples were received properly preserved. Routine CRL hot block (water) digestion procedures were used to prepare the water samples for ICP analysis. The digested samples were analyzed using the Optima 3300 DV ICP unit using analysis run method water_080300_m_ESAT. Optima 3300 DV ICP results were stored to file 20010037 05312001. Analyte holding times were met.

ICP RUN RESULTS

Analyte mdl's determined in the summer of 2000 and rl values calculated from that information for ESAT analysis work for the Optima 3300 DV were used. The calculated rl values were used in reporting sample analysis results for this data case.

An ambiguously stated flag in SOP HK005 is the "B" flag. Although a "more than 10 times" rule was mentioned for blanks for considering data as useable, it was not clearly stated whether or not the "B" flag should be used. As a matter of fact, to this analyst, from reading the wording used in the SOP the flow or intent seems to imply (but is not specifically stated to do so) to always use the "B" flag regardless of the sample level if a control audit blank is above an MDL level ! This analyst used the "B" flag for those analyte cases where the MDL value was exceeded but the 10 times value was not exceeded.

Also, to better help understand the use of the "B" flag, let it be pointed out to the data user that the "B" flag is by definition a warning flag only. For estimated data, an additional flag (either an "M" or a "J" flag) is used to denote that the flagged result is in fact estimated.

6-11-01

Analysis RUN 1281 - Optima 3300 DV

29 to 31 analyte lines out of a possible 78 lines available using the Optima 3300 DV method were chosen by a plan agreed upon by Dr. J. V. Morris. These are to be used for routine reporting of analyte values that appear in the QA summary reports.

The following analytes will either not be addressed or only minimally mentioned in this case narrative:

Sn, Tl, As, Se, Sb, Mo, Pb, Cd, B, Ti, Y, Sr, Li

Two sets of QA / QC summary reports are provided for this deliverable. The first is the traditional set based on "default" QA/ QC limits. The second set is based on control chart (historical / statistically) determined QA/ QC limits. The formats used for the second set are new and may be subject to change for use with future data sets.

The following lists the case pertinent out-of-control QC audit check results based on default QA / QC (traditional) limits:

RUN 1281 :

Blanks:	Instr blk 1:	Co228	0.77	µg/L
		V 310	11.5	"
		Zn213	- 41.8	"
	Digest blk 1:	Co228	0.38	"
		V 310	11.2	"
		Zn213	- 43.9	"
	Instr blk 2:	Ag328	- 0.37	"
		Co228	0.79	"
		Cu327	- 0.80	"
		V 310	4.7	"
		Zn213	- 54.1	"
LCM's:	LCM1 :	Ag328	- 42.67	% deviation
		Fe273	*	
	LCM1 (2):	Ag328	- 44.59	% deviation
		Zn213	- 11.45	"

* alternate analytes lines used to monitor these audits

6 11-01

Analysis RUN 1281 - Optima 3300 DV (continued)

RL check Soln: RL 1:

(See paragraph below regarding rl's)

RL 2:

Presently no "control" actions are associated with the observed RL analyte values actually determined during the analysis run. RL check solution values currently are being analyzed for purposes of generating a benchmark set of values which can be used to monitor the appropriateness of any given RL level of analyte concentration.

The following lists the case pertinent out-of-control QC audit check results based on control chart QA / QC (historical) limits. Only those analytes not already previously affected by default QA/ QC limits (see above) will be listed here:

To date, sufficient data exists to compile control chart information for only some of the instrument check audits (LCM1, LCM2, and Hi AQC) from Optima analysis runs. Too little data is currently available for other QA audits.

For the Hi AQC QA check audit recent changes in the solution used (Zn is no longer an added constituent) resulted in the "hits" noted on the QA summary sheet for the Hi AQC audit results. LCM1 Zn audit values will be used for monitoring the quality of the instrument response values for Zn.

Sample analyte qualifications:

Default QA/ QC limits for the digestion blank and instrument blank audits will be used for qualifying sample results. Control chart QA / QC limits and/or default limits for other QA/QC audit checks will be used to qualify sample results. In general, the "tighter" limits (either default or control chart) will be used to qualify any given sample analyte result.

As, Sb, Cd, Pb, Se, and Tl sample results were not reported by ICP; see GFAA results for these analytes.

The ICP sample results reported for the remaining analytes are usable except as noted in the following paragraphs.

For Be, the sample result for 2001IE10R01 was flagged "M" since it had a result between the MDL and the rl value and it is estimated because of this.

For Ca, the sample result for 2001IE10R01 was flagged "M" since it had a result between the MDL and the rl value and it is estimated because of this.

JP
6-11-01

Analysis RUN 1281 - Optima 3300 DV (continued)

For Co, all the sample results were flagged "M" since they had a result between the MDL and the rl value and they are estimated because of this. The same sample results were also flagged "B" indicating they may have been affected by possible contamination indicated by blank analysis data.

For Fe, the sample result for 2001IE10S02 was flagged "M" since it had a result between the MDL and the rl value and it is estimated because of this.

For Mg, the sample result for 2001IE10R01 was flagged "M" since it had a result between the MDL and the rl value and it is estimated because of this.

For Mn, the sample result for 2001IE10S02 was flagged "M" since it had a result between the MDL and the rl value and it is estimated because of this.

For Ni, the sample result for 2001IE10S02 was flagged "M" since it had a result between the MDL and the rl value and it is estimated because of this.

For Ag, the LCM2 check audit is used for QA control and not LCM1 since the latter solution's concentration level exceeds the upper control range level for Ag. All Ag sample results are usable.

For V, all sample results were flagged "B" indicating they may have been affected by possible contamination indicated by blank analysis data. The same sample results were flagged "J" indicating possible high bias due to the blank contamination just noted and it is estimated.

For Zn, all sample results were flagged "J" because of negative bias indicated by the level of the negative values obtained for the samples and because of possible low bias indicated by the low recovery obtained for the last LCM1 check audit. The negative bias affected blank audit values as well as sample values. All Zn sample results are estimated. Looking at saved spectral data, all Zn sample results were found to be less than that of the RL check audit solution.

Small levels of Be, Ca, Mg, Na and V were found in sample 2001IE10R01. Analysis of the undigested sample also showed similarly small levels thus indicating minimal laboratory contribution for these analytes in sample 2001IE10R01.

6-11-01

R5CRL Files

The following pathways were used for storing analysis information to the R5CRL file server for the this data set:

Optima 3300 DV results:

(Vol 3 on 'R5crl')[H:] \metals \Rdilg \20010037 \Icp \Optima 3300DV \Methods_ESAT
(Vol 3 on 'R5crl')[H:] \metals \Rdilg \20010037 \Icp \Optima 3300DV \narrative
(Vol 3 on 'R5crl')[H:] \metals \Rdilg \20010037 \Icp \Optima 3300DV \Results_ESAT
(Vol 3 on 'R5crl')[H:] \metals \Rdilg \20010037 \Icp \Optima 3300DV \SIFs_ESAT
(Vol 3 on 'R5crl')[H:] \metals \Rdilg \20010037 \Icp \Optima 3300DV \SS processed data

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 01-Jun-01

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20010037

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Cliffs Container

SAMPLE: 2001IE10S01

ANALYZED: 31-May-01

STATION: G201

COMPOUND	AMOUNT				(Units)
Aluminum	67.9				(ug/L)
Barium	92				(ug/L)
Beryllium	0.4				(ug/L)
Calcium	134000				(ug/L)
Chromium	3	U			(ug/L)
Cobalt	0.9	M	B		(ug/L)
Copper	2	U			(ug/L)
Iron	717				(ug/L)
Magnesium	67400				(ug/L)
Manganese	46.9				(ug/L)
Nickel	2.4				(ug/L)
Potassium	3310				(ug/L)
Silver	1	U			(ug/L)
Sodium	53200				(ug/L)
Vanadium	12.1		B	J	(ug/L)
Zinc	25	U		J	(ug/L)

ANALYZED BY: 6-5-01

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 01-Jun-01

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20010037

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Cliffs Container

SAMPLE: 2001IE10D01

ANALYZED: 31-May-01

STATION: G202

COMPOUND	AMOUNT				(Units)
Aluminum	63.9				(ug/L)
Barium	91.4				(ug/L)
Beryllium	0.5				(ug/L)
Calcium	133000				(ug/L)
Chromium	3	U			(ug/L)
Cobalt	0.8	M	B		(ug/L)
Copper	2	U			(ug/L)
Iron	714				(ug/L)
Magnesium	66900				(ug/L)
Manganese	46.6				(ug/L)
Nickel	2.6				(ug/L)
Potassium	3390				(ug/L)
Silver	1	U			(ug/L)
Sodium	52900				(ug/L)
Vanadium	12.8		B	J	(ug/L)
Zinc	25	U		J	(ug/L)

ANALYZED BY: [illegible] 6-5-01

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 01-Jun-01

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20010037

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Cliffs Container

SAMPLE: 2001IE10S02

ANALYZED: 31-May-01

STATION: G203

COMPOUND	AMOUNT				(Units)
Aluminum	53.3				(ug/L)
Barium	36.2				(ug/L)
Beryllium	0.3				(ug/L)
Calcium	100000				(ug/L)
Chromium	3	U			(ug/L)
Cobalt	0.4	M	B		(ug/L)
Copper	2	U			(ug/L)
Iron	6.7	M			(ug/L)
Magnesium	50000				(ug/L)
Manganese	0.7	M			(ug/L)
Nickel	1.5	M			(ug/L)
Potassium	3070				(ug/L)
Silver	1	U			(ug/L)
Sodium	16500				(ug/L)
Vanadium	11.7		B	J	(ug/L)
Zinc	25	U		J	(ug/L)

ANALYZED BY: RD 6-5-01

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 01-Jun-01

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20010037

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Cliffs Container

SAMPLE: 2001IE10R01

ANALYZED: 31-May-01

STATION: FB

COMPOUND	AMOUNT				(Units)
Aluminum	40	U			(ug/L)
Barium	2	U			(ug/L)
Beryllium	0.1	M			(ug/L)
Calcium	38.5	M			(ug/L)
Chromium	3	U			(ug/L)
Cobalt	0.8	M	B		(ug/L)
Copper	2	U			(ug/L)
Iron	11	U			(ug/L)
Magnesium	4.8	M			(ug/L)
Manganese	2	U			(ug/L)
Nickel	2	U			(ug/L)
Potassium	600	U			(ug/L)
Silver	1	U			(ug/L)
Sodium	221				(ug/L)
Vanadium	9.1		B	J	(ug/L)
Zinc	25	U		J	(ug/L)

ANALYZED BY: [signature] 6-5-01

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 01-Jun-01

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20010037

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Cliffs Container

SAMPLE: 2001IE10S01

ANALYZED: 31-May-01

STATION: G201

COMPOUND	AMOUNT				(Units)
Aluminum	67.9				(ug/L)
Barium	92				(ug/L)
Beryllium	0.4				(ug/L)
Calcium	134000				(ug/L)
Chromium	3	U			(ug/L)
Cobalt	0.9	M	B		(ug/L)
Copper	2	U			(ug/L)
Iron	717				(ug/L)
Magnesium	67400				(ug/L)
Manganese	46.9				(ug/L)
Nickel	2.4				(ug/L)
Potassium	3310				(ug/L)
Silver	1	U			(ug/L)
Sodium	53200				(ug/L)
Vanadium	12.1		B	J	(ug/L)
Zinc	25	U		J	(ug/L)

ANALYZED BY: [illegible] 6-5-01

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 01-Jun-01

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20010037

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Cliffs Container

SAMPLE: 2001IE10D01

ANALYZED: 31-May-01

STATION: G202

COMPOUND	AMOUNT				(Units)
Aluminum	63.9				(ug/L)
Barium	91.4				(ug/L)
Beryllium	0.5				(ug/L)
Calcium	133000				(ug/L)
Chromium	3	U			(ug/L)
Cobalt	0.8	M	B		(ug/L)
Copper	2	U			(ug/L)
Iron	714				(ug/L)
Magnesium	66900				(ug/L)
Manganese	46.6				(ug/L)
Nickel	2.6				(ug/L)
Potassium	3390				(ug/L)
Silver	1	U			(ug/L)
Sodium	52900				(ug/L)
Vanadium	12.8		B	J	(ug/L)
Zinc	25	U		J	(ug/L)

ANALYZED BY: RD 6-5-01

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 01-Jun-01

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20010037

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Cliffs Container

SAMPLE: 2001IE10S02

ANALYZED: 31-May-01

STATION: G203

COMPOUND	AMOUNT				(Units)
Aluminum	53.3				(ug/L)
Barium	36.2				(ug/L)
Beryllium	0.3				(ug/L)
Calcium	100000				(ug/L)
Chromium	3	U			(ug/L)
Cobalt	0.4	M	B		(ug/L)
Copper	2	U			(ug/L)
Iron	6.7	M			(ug/L)
Magnesium	50000				(ug/L)
Manganese	0.7	M			(ug/L)
Nickel	1.5	M			(ug/L)
Potassium	3070				(ug/L)
Silver	1	U			(ug/L)
Sodium	16500				(ug/L)
Vanadium	11.7		B	J	(ug/L)
Zinc	25	U		J	(ug/L)

ANALYZED BY: [signature] 6-5-01

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 01-Jun-01

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20010037

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Cliffs Container_

SAMPLE: 2001IE10R01

ANALYZED: 31-May-01

STATION: FB

COMPOUND	AMOUNT				(Units)
Aluminum	40	U			(ug/L)
Barium	2	U			(ug/L)
Beryllium	0.1	M			(ug/L)
Calcium	38.5	M			(ug/L)
Chromium	3	U			(ug/L)
Cobalt	0.8	M	B		(ug/L)
Copper	2	U			(ug/L)
Iron	11	U			(ug/L)
Magnesium	4.8	M			(ug/L)
Manganese	2	U			(ug/L)
Nickel	2	U			(ug/L)
Potassium	600	U			(ug/L)
Silver	1	U			(ug/L)
Sodium	221				(ug/L)
Vanadium	9.1		B	J	(ug/L)
Zinc	25	U		J	(ug/L)

ANALYZED BY: RD 6-5-01

XE
6-5-01

CRL Data Review Qualification Codes

QUALIFIER	DESCRIPTION
B	This flag is used when the analyte is found in the associated ***B***lank as well as the sample. It indicates possible blank contamination and warns the user to take appropriate action while assessing the data. See the case narrative for a discussion of common lab contaminants and/or the relative concentration of contamination in the samples and blanks for relevance.
J	This flag is used when the analyte is estimated due to quality control limit(s) being exceeded. This flag accompanies all GC/MS tentatively identified compounds (TICs). This flag also applies to a suspected, unidentified interference. This flag is placed on affected detected results as well as non-detected (i.e., "U" flagged) results. (*J* is the flag used in the Superfund CLP SOW and Data Review Functional Guidelines and is used by CRL for consistency.)
M	This flag is used when the analyte is confirmed to be qualitatively present in the sample, extract or digestate, with a quantity at or above the CRL ***M***ethod Detection Limit (MDL) but below the lowest concentration of the calibration curve. This flag indicates the quantitated value is estimated since it falls below the lowest calibration standard in the calibration curve.
N	This flag applies to GC/MS Te***N***tatively Identified Compounds (TICs) that have a mass spectral library match.
Q	This flag applies to analyte data that are severely estimated due to quality control and/or ***Q***uantitation problems, but are confirmed to be qualitatively present in the sample. No value is reported with this qualification flag.
R	This flag applies to analyte data that are ***R***ejected and unusable due to severe quality control, quantitation and/or qualitative identification problems. No other qualification flags are reported for this analyte. No value is reported with this qualification flag.
U	This flag in used when the analyte was analyzed for but ***U***ndetected in the sample. The CRL RL for the analyte accompanies this flag. When the customer requests CRL to report below our RL down to our MDL, undetected analytes are reported with a "U" code and the MDL. As with sample results that are positive, the value is corrected for dry weight, dilution and/or sample weight or volume.

03/07/01

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: JUN 2 0 2001

Subject: Review of Region 5 Data for Cliffs Container Code:ZZ

From: ESAT , Chemist
Region 5 Central Regional Laboratory

To: Bob Caspar
IEPA

Attached are the results for Site: Cliffs Container Code:ZZ
CRL Data Set Number: 20010037
for analyses of : Cyanide
Results are reported for sample numbers: 2001IE10S01, 2001IE10D01, 2001IE10S02 and 2001IE10R01

Results Status:
(x) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

RECEIVED
JUN 2 2 2001
IEPA-BOL-FSRS

JUN 2 0 2001

CRL Data Management Coordinator and Date Received

JUN 2 0 2001

Date Transmitted: _____

Please have the US EPA project leader fill out the customer survey form on the Region 5 Intranet: http://www.r5intra.epa.gov/crl/qa.html, (← by clicking on this link, or call George Schupp, CRL Sample Coordinator, at 3-1226).

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML - 10C

Received by and Date

Comments:

Method: CN for Water, CRL AIG025
Study: Cliff's Container
Date: June 2, 2001
Analyst: J. Ganz

TDF: 5-02-012
IITRI Job: 246-0-1476-102-006-001
Task Order: 05-0-02

NARRATIVE

Four water samples from Cliff's Container (data set 20010037) were sampled on May 22, 2001 and received properly preserved at the CRL on May 23, 2001. The following is a list of the sample numbers and station IDs:

CRL Sample Number	Station ID
2001IE10S01	G201
2001IE10D01	G202
2001IE10S02	G203
2001IE10R01	FB

The samples were assigned to ESAT for the analysis of total cyanide. The samples all tested negative for sulfide and chlorine, two analyte species which could potentially bias the results. The samples were distilled on May 24, 2001 using the Easy Still apparatus. The distillates were analyzed for cyanide using the Lachat Quickchem FIA+ 8000 analyzer on May 25, 2001 along with samples from data set 20010036. Results were saved to run file 052501b. Air spikes became very pronounced at the end of the run and biased the final calibration verification and blank audit samples. Thus it was necessary to recalibrate the instrument and reanalyze the duplicate and spike samples; these results were saved to run file 052501d.

The method detection limit is 2 ug/l; the reporting limit is 8 ug/l. Results are reported to the reporting limit. All other QC audits were in control; all sample results are acceptable.

Because RLIMS was unavailable, all results are reported using a word processing document. Time will be necessary in the future to enter all data into RLIMS.

Analytical results are stored in the following database file:

r5crl\vol1 on I:\min_nut\jaganz\lachat2\cyanide-t\20010037\052501b
r5crl\vol1 on I:\min_nut\jaganz\lachat2\cyanide-t\20010037\052501d

The sample results, QC summary table, and this narrative are stored as

r5crl\vol1 on I:\min_nut\jaganz\lachat2\cyanide-t\20010037\20010037 narrative.wpd
r5crl\vol1 on I:\min_nut\jaganz\lachat2\cyanide-t\20010037\cn results 0037.wpd
r5crl\vol1 on I:\min_nut\jaganz\lachat2\cyanide-t\20010037\qc0037.wpd

6-14-01

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT FOR THE TEAM: MINERALS-NUTRIENTS

DIVISION/BRANCH: SUPERFUND **SAMPLING DATE:** 05/22/01 **LAB ARRIVAL DATE:** 05/23/01 **DUE DATE:** 06/22/01
DU NUMBER: 50102D **DATASET NUMBER:** 20010037 **STUDY:** Cliff'S Container **PRIORITY:** Routine **LABORATORY :** ESAT

	CRL LOG	SAMPLE	CYANIDE IN WATER
			(ug/l)
1	2001IE10S01	G201	8 U
2	2001IE10D01	G202	8 U
3	2001IE10S02	G203	8 U
4	2001IE10R01	FB	8 U
ANALYSIS DATE			5/25/01
ANALYST		JG 6-14-01	J. GANZ

Reviewed by: (JK) **Date:** 6/14/01

2001 0037 50120

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS - NUTRIENTS

DIVISION/BRANCH SUPERFUND SAMPLE DATE 5/22/2001 LAB ARRIVAL DATE 5/23/2001 DUE DATE 6/25/2001

DU NUMBER 50120 DATA SET NUMBER 2001 0037 STUDY CLIFF'S CONTAINERS PRIORITY N CONTRACTOR IEPA

CRL LOG NUMBER	SAMPLE DESCRIPTION PH READING FOR ALL SAMPLES (12)	WATER PHENOLICS UG PHENOL/L MIN 74818	WATER CYANIDE UG CN/L MIN 74819	WATER GROSS ALPHA P CI/L MIN 75020	WATER CR^{+6} UG CR^{+6}/L MIN 74816	WATER MERCURY UG HG/L MIN 74717
2001 IE10 S01	G201 5-043434		X			
2001 IE10 D01	G202 5-043443		X			
2001 IE10 S02	G203 5-043468, 469, 5-043470		X			
2001 IE10 R01	FB 5-043416		X			

2001 0037

CRL Data Review Qualification Codes

QUALIFIER	DESCRIPTION
B	This flag is used when the analyte is found in the associated ***B***lank as well as the sample. It indicates possible blank contamination and warns the user to take appropriate action while assessing the data. See the case narrative for a discussion of common lab contaminants and/or the relative concentration of contamination in the samples and blanks for relevance.
J	This flag is used when the analyte is estimated due to quality control limit(s) being exceeded. This flag accompanies all GC/MS tentatively identified compounds (TICs). This flag also applies to a suspected, unidentified interference. This flag is placed on affected detected results as well as non-detected (i.e., "U" flagged) results. (***J*** is the flag used in the Superfund CLP SOW and Data Review Functional Guidelines and is used by CRL for consistency.)
M	This flag is used when the analyte is confirmed to be qualitatively present in the sample, extract or digestate, with a quantity at or above the CRL ***M***ethod Detection Limit (MDL) but below the lowest concentration of the calibration curve. This flag indicates the quantitated value is estimated since it falls below the lowest calibration standard in the calibration curve.
N	This flag applies to GC/MS Te***N***tatively Identified Compounds (TICs) that have a mass spectral library match.
Q	This flag applies to analyte data that are severely estimated due to quality control and/or ***Q***uantitation problems, but are confirmed to be qualitatively present in the sample. No value is reported with this qualification flag.
R	This flag applies to analyte data that are ***R***ejected and unusable due to severe quality control, quantitation and/or qualitative identification problems. No other qualification flags are reported for this analyte. No value is reported with this qualification flag.
U	This flag in used when the analyte was analyzed for but ***U***ndetected in the sample. The CRL RL for the analyte accompanies this flag. When the customer requests CRL to report below our RL down to our MDL, undetected analytes are reported with a "U" code and the MDL. As with sample results that are positive, the value is corrected for dry weight, dilution and/or sample weight or volume.

03/07/01

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: JUN 25 2001

Subject: Review of Region 5 Data for Cliffs Container Code:ZZ

From: ESAT , Chemist
Region 5 Central Regional Laboratory

To: Bob Casper
IEPA

Attached are the results for Site: Cliffs Container Code:ZZ
CRL Data Set Number: 20010037
for analyses of : Antimony, Arsenic, Cadmium, Lead, Selenium and Thallium
Results are reported for sample numbers: 2001IE10S01, 2001IE10D01, 2001IE10S02 and 2001IE10R01

Results Status:
(x) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

RECEIVED
JUN 27 2001
IEPA-BOL-FSRS

RECEIVED
JUN 27 2001
IEPA-BOL-FSRS

JUN 25 2001

CRL Data Management Coordinator and Date Received

Date Transmitted: JUN 25 2001

Please have the US EPA project leader fill out the customer survey form on the Region 5 Intranet: http://www.r5intra.epa.gov/crl/qa.html, (← by clicking on this link, or call George Schupp, CRL Sample Coordinator, at 3-1226).

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML - 10C

Received by and Date

Comments:

Method: GFAA for Water, CRL Metals 017
Site: Cliff's Container
Date: June 15, 2001
Analyst: J. Ganz

TDF: 5-02-012
IITRI Job: 246-0-1476-102-006-001
Task Order: 05-0-02
Data Set: 20010037

NARRATIVE

Four water samples from Cliff's Container (data set 20010037) were sampled on May 22, 2001 and were received properly preserved on May 23, 2001. The samples were assigned to ESAT for the analysis of arsenic, cadmium, lead, antimony, selenium, and thallium by GFAA.

Sample (CRL ID)	Field ID
2001IE10S01	G201
2001IE10D01	G202
2001IE10S02	G203
2001IE10R01	FB

The samples were digested as digestion set 1281 using the hot-block digestion method 200.2(CRL Metals 025) on May 24, 2001. The digests were analyzed for the GFAA metals using the SIMAA 6000 AAS between June 6 and 8, 2001.

During the course of the analysis, some analytical spike recoveries and some LCM recoveries biased high. Associated sample results were considered acceptable if the raw concentration values were less than the MDL.

All QC audits were in control; all results are acceptable.

Due to changes made in the computer server structure, the data files cannot be archived at this time. Once ESAT has been instructed as to the new file archiving procedure, all documents relevant to this package will be made available in an electronic format.

Since RLIMS is unavailable, analytical results are reported in a word-processing document only. Time will be necessary in the future to upload all results into RLIMS.

6-21-01

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT FOR THE TEAM: METALS

DIVISION/BRANCH: SUPERFUND **SAMPLING DATE:** 05/22/01 **LAB ARRIVAL DATE:** 05/23/01 **DUE DATE:** 06/22/01
DU NUMBER: 50102D **DATASET NUMBER:** 20010037 **STUDY:** Cliff's Container **PRIORITY:** Routine **LABORATORY :** ESAT

	CRL LOG	SAMPLE	ARSENIC	CADMIUM	LEAD	ANTIMONY	SELENIUM	THALLIUM
			(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
1	2001IE10S01	G201	2 U	0.3 U	2 U	4 U	4 U	8 U
2	2001IE10D01	G202	2 U	0.3 U	0.5 M	4 U	8 U	4 U
3	2001IE10S02	G203	2 U	0.3 U	2 U	4 U	4 U	4 U
4	2001IE10R01	FB	2 U	0.3 U	2 U	4 U	4 U	4 U
ANALYSIS DATE			6/07/01	6/07/01	6/07/01	6/06/01	6/07/01	6/06,08/01
ANALYST		6-15-01	J. GANZ	J. GANZ	J. GANZ	J. GANZ	J. GANZ	J. GANZ

Reviewed by: _____ Date: 6/20/01

GFAA MDL AND RL SUMMARY SHEET

Element	MDL (ug/L)	Reporting Limit (ug/L)
Arsenic	0.5	2
Cadmium	0.1	0.3
Lead	0.5	2
Antimony	1	4
Selenium	1	4
Thallium	0.5	2

6-15-01

20010037 50102D

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: METALS

DIVISION/BRANCH SUPERFUND SAMPLE DATE 5/22/2001 LAB ARRIVAL DATE 5/23/2001 DUE DATE 6/25/2001

DU NUMBER 50102D DATA SET NUMBER 2001 0037 STUDY CLIFF'S CONTAINER PRIORITY N CONTRACTOR IEPA

CRL LOG NUMBER	SAMPLE DESCRIPTION PH READING FOR ALL SAMPLES (1)	TOTAL METALS WATER TOTAL ICAP UG/L MET111	TOTAL METALS WATER AS UG/L MET161	TOTAL METALS WATER PB UG/L MET1191	TOTAL METALS WATER SB UG/L MET1201	TOTAL METALS WATER SE UG/L MET1211	TOTAL METALS WATER TL UG/L MET1221
2001 IE10S01	G201 5-043426	X	X	X	X	X	X
2001 IE10D01	G202 5-043435	X	X	X	X	X	X
2001 IE10S02	G203 5-043444-445, 5-043446	X	X	X	X	X	X
2001 IE10R01	FB 5-043415	X	X	X	X	X	X

000000

CRL Data Review Qualification Codes

QUALIFIER	DESCRIPTION
B	This flag is used when the analyte is found in the associated ***B***lank as well as the sample. It indicates possible blank contamination and warns the user to take appropriate action while assessing the data. See the case narrative for a discussion of common lab contaminants and/or the relative concentration of contamination in the samples and blanks for relevance.
J	This flag is used when the analyte is estimated due to quality control limit(s) being exceeded. This flag accompanies all GC/MS tentatively identified compounds (TICs). This flag also applies to a suspected, unidentified interference. This flag is placed on affected detected results as well as non-detected (i.e., "U" flagged) results. (***J*** is the flag used in the Superfund CLP SOW and Data Review Functional Guidelines and is used by CRL for consistency.)
M	This flag is used when the analyte is confirmed to be qualitatively present in the sample, extract or digestate, with a quantity at or above the CRL ***M***ethod Detection Limit (MDL) but below the lowest concentration of the calibration curve. This flag indicates the quantitated value is estimated since it falls below the lowest calibration standard in the calibration curve.
N	This flag applies to GC/MS Te***N***tatively Identified Compounds (TICs) that have a mass spectral library match.
Q	This flag applies to analyte data that are severely estimated due to quality control and/or ***Q***uantitation problems, but are confirmed to be qualitatively present in the sample. No value is reported with this qualification flag.
R	This flag applies to analyte data that are ***R***ejected and unusable due to severe quality control, quantitation and/or qualitative identification problems. No other qualification flags are reported for this analyte. No value is reported with this qualification flag.
U	This flag in used when the analyte was analyzed for but ***U***ndetected in the sample. The CRL RL for the analyte accompanies this flag. When the customer requests CRL to report below our RL down to our MDL, undetected analytes are reported with a "U" code and the MDL. As with sample results that are positive, the value is corrected for dry weight, dilution and/or sample weight or volume.

03/07/01

6-15-01

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: JUN 25 2001

Subject: Review of Region 5 Data for Cliffs Container Code:ZZ

From: ESAT , Chemist
Region 5 Central Regional Laboratory

To: Bob Casper
IEPA

Attached are the results for Site: Cliffs Container Code:ZZ
CRL Data Set Number: 20010037
for analyses of : Mercury
Results are reported for sample numbers: 2001IE10S01, 2001IE10D01, 2001IE10S02 and 2001IE10R01

Results Status:
(x) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

RECEIVED
JUN 27 2001
IEPA-BOL-FSRS

RECEIVED
JUN 27 2001
IEPA-BOL-FSRS

JUN 25 2001

CRL Data Management Coordinator and Date Received

Date Transmitted: JUN 25 2001

Please have the US EPA project leader fill out the customer survey form on the Region 5 Intranet: http://www.r5intra.epa.gov/crl/qa.html, (← by clicking on this link, or call George Schupp, CRL Sample Coordinator, at 3-1226).

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML - 10C

Received by and Date

Comments:

Parameter: Mercury
Method: 245.2 (CRL SOP AIG044)
Site: Cliffs Container
Date: May 25, 2001
Prepared by: Stephen Connet

TDF: 5-02-012
IITRI Job #: 246-0-1476-102-006-001
Task Order #: 05-0-02
Data Set: 20010037

NARRATIVE

Four (4) water samples for the Cliffs Container site [2001IE10S01 (G201), D01 (G202), S02 (G203), R01 (FB)] were collected on May 22, 2001 and received properly preserved by CRL on May 23, 2001. The samples were assigned to ESAT for mercury analysis.

Due to continuing problems with the autoprep station, the samples were manually digested on May 24, 2001. All digestion tubes were capped during digestion. Hydroxylamine was added and the samples were analyzed on May 25, 2001.

Non-detect results are reported to the reporting limit (RL).

All QC were within limits; all sample results are acceptable. All samples were analyzed within the holding time limit.

This narrative, the instrument run file, QC summary form and results spreadsheet are stored in:

Path:	\\Us_epa\.R5CRL_VOL1.clark-crl.r5.cent.epa\MIN_NUT\SCONNET	
	Narrative:	\PSAMercury\HgWATER\20010037\20010037_nar.wpd
	Raw results:	\PSAMercury\HgWATER\20010037\052501.res
	QC Summary:	\PSAMercury\HgWATER\20010037\QC Summary.wpd
	Results report:	\PSAMercury\HgWATER\20010037\20010037_res.wpd

Logbook entries for this analysis can be found in IITRI logbook C31537 page 11.

Since RLIMS was unavailable, the results are reported in a word-processing document only. Time will be necessary in the future to enter all results into RLIMS.

6-20-01

ENVIRONMENTAL PROTECTION AGENCY
REGION V
CENTRAL REGIONAL LABORATORY
FINAL RESULT REPORT FOR THE TEAM: MERCURY

6/22/01 (Re) 6/4/01

DIVISION/BRANCH: SUPERFUND **SAMPLING DATE:** 5/22/01 **LAB ARRIVAL DATE:** 5/23/01 **DUE DATE:** ~~6/25/01~~
DU NUMBER: 50102D **DATASET NUMBER:** 20010037 **STUDY:** Cliffs Container **PRIORITY:** Routine **LABORATORY :** ESAT

	CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER MERCURY (µg/L)	FLAGS
1	2001IE10S01	G201	0.5	U
2	2001IE10D01	G202	0.5	U
3	2001IE10S02	G203	0.5	U
4	2001IE10R01	FB	0.5	U
	Reporting Limit		0.5	
DATE OF ANALYSIS			5/25/01	
ANALYST		5-25-9	S. Connet	

Reviewed by: Date: 5/30/01

000009

2001C037

ENVIRONMENTAL PROTECTION AGENCY 501C2D
FOR THE TEAM: METALS

DIVISION/BRANCH SUPERFUND SAMPLING DATE 5/22/01 LAB ARRIVAL DATE 5/23/01 DUE DATE 6/25/01

DU NUMBER 501C2D DATASET NUMBER 2001C037 STUDY CLIFFS CONTAINER PRIORITY N CONTRACTOR IEPA

CRL LOG NUMBER	SAMPLE DESCRIPTION PH READING FOR ALL SAMPLES (1)	MATRIX WATER TEST CD UNITS UG/L ME1235826	MATRIX WATER TEST Hg UNITS UG/HG/L ME1235826	MATRIX TEST UNITS ME1235826	MATRIX TEST UNITS ME1235826	MATRIX TEST UNITS ME1235826	
01 IE10							5-043426
S01	G201	X	X				5-043435
D01	G202	X	X				5-043444-5-6
S02	G203	X	X				5-043415
R01	FB	X	X				

CRL V.1. 3/85

000003

CRL Data Review Qualification Codes

QUALIFIER	DESCRIPTION
B	This flag is used when the analyte is found in the associated ***B***lank as well as the sample. It indicates possible blank contamination and warns the user to take appropriate action while assessing the data. See the case narrative for a discussion of common lab contaminants and/or the relative concentration of contamination in the samples and blanks for relevance.
J	This flag is used when the analyte is estimated due to quality control limit(s) being exceeded. This flag accompanies all GC/MS tentatively identified compounds (TICs). This flag also applies to a suspected, unidentified interference. This flag is placed on affected detected results as well as non-detected (i.e., "U" flagged) results. (***J*** is the flag used in the Superfund CLP SOW and Data Review Functional Guidelines and is used by CRL for consistency.)
M	This flag is used when the analyte is confirmed to be qualitatively present in the sample, extract or digestate, with a quantity at or above the CRL ***M***ethod Detection Limit (MDL) but below the lowest concentration of the calibration curve. This flag indicates the quantitated value is estimated since it falls below the lowest calibration standard in the calibration curve.
N	This flag applies to GC/MS Te***N***tatively Identified Compounds (TICs) that have a mass spectral library match.
Q	This flag applies to analyte data that are severely estimated due to quality control and/or ***Q***uantitation problems, but are confirmed to be qualitatively present in the sample. No value is reported with this qualification flag.
R	This flag applies to analyte data that are ***R***ejected and unusable due to severe quality control, quantitation and/or qualitative identification problems. No other qualification flags are reported for this analyte. No value is reported with this qualification flag.
U	This flag in used when the analyte was analyzed for but ***U***ndetected in the sample. The CRL RL for the analyte accompanies this flag. When the customer requests CRL to report below our RL down to our MDL, undetected analytes are reported with a "U" code and the MDL. As with sample results that are positive, the value is corrected for dry weight, dilution and/or sample weight or volume.

03/07/01

DATE: June 19, 2001

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: CLIFF'S CONTAINER

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
29298	MITKEM	5	E0004	WATER

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

RECEIVED
JUN 2 1 2001
IEPA-BOL-FSRS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

JUN 1 8 2001

DATE: June 14, 2001

SUBJECT: Review of Data
Received for Review on June 8, 2001

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: CLIFFS CONTAINER
CASE NUMBER: 29298 SDG NUMBER: E0004
Number and Type of Samples: 5 LOW WATERS
Sample Numbers: EOOO4, EOOO6-9
Laboratory: MITKEM Hrs. for Review:

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

RECEIVED
JUN 2 1 2001
IEPA-BOL-FSRS

Case Number : 29298 **SDG Number: E0004**
Site Name: CLIFFS CONTAINER **Laboratory: MITKEM**

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Five (5) preserved water samples, numbered E0004 and E0006 through E0009 were collected on May 21 and 22, 2001. The lab received the samples on May 23, 2001. Four (4) samples were analyzed for the full list of organic analytes. One (1) sample, E0006, was analyzed for only the volatile list of organic analytes. All samples were analyzed according to CLP SOW OLC02.1.

VLCS1Q is the volatile laboratory control sample. SLCS2H is the semivolatile laboratory control sample. PLCS01 is the pesticide laboratory control sample.

Sample E0008 is a field duplicate of sample E0007 (sampled at the same date and time). Sample E0006 is a trip blank and sample E0004 is a field blank.

The volatile analyses were performed within the technical holding time of 14 days after sample collection; therefore, the results are acceptable. The semivolatile and pesticide sample extractions were performed within seven (7) days and all analyses were performed within forty (40) days after extraction; therefore, the results are acceptable.

Reviewed By: M. Kaminsky/IITRI-ESAT
Date: June 14, 2001

Case Number : 29298 SDG Number: E0004
Name: CLIFFS CONTAINER Laboratory: MITKEM

1. HOLDING TIME

Five (5) preserved water samples, numbered E0004, and E0006 through E0009 were collected on May 21 and 22, 2001. The lab received the samples on May 23, 2001. Four (4) samples were analyzed for the full list of organic analytes. One (1) sample, E0006, was analyzed for only the volatile list of organic analytes. All samples were analyzed according to CLP SOW OLC02.1.

The volatile analyses were performed within the technical holding time of 14 days after sample collection; therefore, the results are acceptable. The semivolatile and pesticide sample extractions were performed within seven (7) days and all analyses were performed within forty (40) days after extraction; therefore, the results are acceptable.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

VOA: All GC/MS tuning complied with the mass list and ion abundance criteria for BFB, and all samples were analyzed within the twelve (12) hour periods for instrument performance checks; therefore, the results are acceptable.

SVOA: All GC/MS tuning complied with the mass list and ion abundance criteria for DFTPP, and all samples were analyzed within the twelve (12) hour periods for instrument performance checks; therefore, the results are acceptable.

Pesticide/PCB: GC Resolution Check Mixtures met the 60% resolution criteria. Endrin and DDT degradation checks using PEM Mix on the CLPPEST1 and CLPPEST2 columns were < 20%; therefore, the results are acceptable.

The Florisil Cartridge Check met the QC criteria; therefore, the results are acceptable.

3. CALIBRATION

Initial and continuing calibrations of the Volatile, Semivolatile and Pest/PCB standards were evaluated for the target compound lists and outliers are recorded on the forms included as part of this narrative.

4. BLANKS

VOA: VBLK1Q is the low level water volatile method blank. VBLK1Q contained no target compounds and no TICs. VHBLK1Q is the water storage blank, it contained no target compounds and no TICs. The volatile method blank summary (FORM IV LCV/VOA) lists the samples associated with the blank.

Case Number : 29298 **SDG Number:** E0004
Site Name: CLIFFS CONTAINER **Laboratory:** MITKEM

SVOA: SBLK2H is the low level water semivolatile method blank. SBLK2H contained no target compounds and no TICs. The semivolatile method blank summary (FORM IV LCSV/SV) lists the samples associated with the blank.

Pesticide/PCB: PBLK01 is the pesticide water method blank. PBLK01 contained no target compounds. The pesticide method blank summary (FORM IV LCP/PEST) lists the samples associated with the blank.

There were two (2) pesticide instrument method blanks, none of which contained any target compounds. No samples were associated with the instrument blanks.

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

VOA: The volatile system monitoring compound recoveries were within the QC limits for all samples; therefore, the results are acceptable.

SVOA: The semivolatile surrogate recoveries were within the QC limits for all samples; therefore, the results are acceptable.

Pesticide/PCB: The pesticide surrogate recoveries were within the QC limits for all samples; therefore, the results are acceptable.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE / LABORATORY CONTROL SAMPLES

VLCS1Q is the volatile laboratory control sample. SLCS2H is the semivolatile laboratory control sample. PLCS01 is the pesticide laboratory control sample. All spike recoveries and RPDs were within the QC limits; therefore the results were acceptable.

7. FIELD BLANK AND FIELD DUPLICATE

Sample E0006 is a trip blank, containing neither VOA TCLs or VOA TICs. Sample E0004 is a field blank and contained 3 semivolatile TICs. E0008 is a duplicate of E0007. Sample E0007 was found to contain bis(2-ethylhexyl)phthalate at 1 ug/L as well as 2 semivolatile TICs. Sample E0008 was found to contain one semivolatile TIC. Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

VOA: The internal standards' retention times and area counts for the VOA fraction were within the required QC limits; therefore, the results are acceptable.

Case Number : 29298 **SDG Number: E0004**
Site Name: CLIFFS CONTAINER **Laboratory: MITKEM**

SVOA: The internal standards' retention times and area counts for the SVOA fraction were within the required QC limits; therefore, the results are acceptable.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

All samples were waters and no dilutions were run; therefore, all VOAs, SVOAs and Pesticide target CRQLs were properly reported. All target compound quantitations were properly reported.

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

The pH for all volatile samples was <2. No pH values were submitted for either the semivolatile or pesticide/PCB fraction samples.

Reviewed By: M. Kaminsky/IITRI-ESAT
Date: June 14, 2001

LOW CONCENTRATION WATER
VOLATILE TCL COMPOUNDS
Page 1 of 2

CASE\SAS#: 29298					CONTRACT LAB: M. Tkeyn											
Instrument: V1		Heated Purge: Y / (N)			SITE NAME: Cliff Container											
Column: DB624		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time:		5/06 0901			5/29 1005											
TCL Analytes		RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
Chloromethane	0.05															
Bromomethane	0.05															
Vinyl Chloride	0.05															
Chloroethane	0.05															
Methylene Chloride	0.05															
Acetone	0.05	0.024		J/R	0.035	453	J/R									
Carbon Disulfide	0.05															
1,1-Dichloroethene	0.05															
1,1-Dichloroethane	0.05															
cis-1,2-Dichloroethene	0.05															
trans-1,2-Dichloroethene	0.05															
Chloroform	0.05															
1,2-Dichloroethane	0.05															
2-Butanone	0.05	0.031		J/R	0.038		J/R									
Bromochloromethane	0.05															
1,1,1-Trichloroethane	0.05															
Carbon Tetrachloride	0.05															
Bromodichloromethane	0.05															
1,2-Dichloropropane	0.05															
cis-1,3-Dichloropropene	0.05															
Trichloroethene	0.05															
Dibromochloromethane	0.05															
1,1,2-Trichloroethane	0.05															
Benzene	0.05															
trans-1,3-Dichloropropene	0.05															
Bromoform	0.05															

SAMPLES AFFECTED:

VBLK1Q
VLCS1Q
E0004
E0006-9
VHBLK1Q

ACH 6-13-01

Reviewer's Init/Date: MK 6-12-01

LOW CONCENTRATION WATER
VOLATILE TCL COMPOUNDS
Page 2 of 2

CASE\SAS#: 29278					CONTRACT LAB: Multen											
Instrument: V1		Heated Purge: Y (N)			SITE NAME: Cliff Contam											
Column: DB624		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time:		5/06 0901			5/29 1005											
TCL Analytes		RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
4-Methyl-2-Pentanone	0.05															
2-Hexanone	0.05															
Tetrachloroethene	0.05															
1,1,2,2-Tetrachloroethane	0.05															
1,2-Dibromoethane	0.05															
Toluene	0.05															
Chlorobenzene	0.05															
Ethylbenzene	0.05															
Xylene (total)	0.05															
Styrene	0.05															
1,3-Dichlorobenzene	0.05															
1,4-Dichlorobenzene	0.05															
1,2-Dichlorobenzene	0.05															
1,2-Dibromo-3-loropropane	0.05	0.031		J/R	0.038		J/R									
1,2,4-Trichlorobenzene	0.05															
SURROGATE																
Bromofluorobenzene	0.05															

%RSD ± 30% %D ± 30% : National Functional Guidelines, 10/99

J/R = All positive results are estimated "J" and non-detected results are unusable "R"

Q = These flags should be applied to the analytes on the sample data sheets.
# = Minimum Relative Response Factor for Data Review Purposes

ACH 6-13 01

Reviewer's Init/Date: MK 6-12-01

LOW CONCENTRATION WATER
SEMIVOLATILE TCL COMPOUNDS
Page 1 of 3

CASE/SAS#: 29 298					CONTRACT LAB: Multiton											
Instrument 52					SITE NAME: Cliff Contents											
Column:		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time:		5/26 0955			5/26 0955			5/26 2051								
TCL Analytes		RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
Phenol	0.05															
bis(2-chloroethyl) Ether	0.05															
2-Chlorophenol	0.05															
2-Methylphenol	0.05															
2,2'-oxybis(1-chloropropane)	0.05															
4-Methylphenol	0.05															
N-Nitroso-di-n-propylamine	0.05															
Hexachloroethane	0.05															
Nitrobenzene	0.05															
Isophorone	0.05															
Nitrophenol	0.05															
2,4-Dimethylphenol	0.05															
bis-(2-chloroethoxyl)methane	0.05															
2,4-Dichlorophenol	0.05															
Naphthalene	0.05															
4-Chloroaniline	0.05															
Hexachlorobutadiene	0.05															
4-Chloro-3-methylphenol	0.05															
2-Methylnaphthalene	0.05															
SAMPLES AFFECTED:					SBLK 2			E0001								
								E0007								
								E0008								
								E0009								
Reviewer's Init/Date: MK 6-12-01																
ACH 6-13-01																

LOW CONCENTRATION WATER
SEMIVOLATILE TCL COMPOUNDS
Page 2 of 3

CASE/SAS#: 29298					CONTRACT LAB: Mitkin											
Instrument S2					SITE NAME: Cliffs Cortem											
Column:		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time:		5/26 0955			5/26 0955			5/26 2051								
TCL Analytes		RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
Hexachlorocyclopentadiene	0.05	0.193 ~~0.098~~	41.3	~~5~~ 45	0.192	~~[illegible]~~ 6/13/01	~~[illegible]~~	0.176								
2,4,6-Trichlorophenol	0.05															
2,4,5-Trichlorophenol	0.05															
2-Chloronaphthalene	0.05															
2-Nitroaniline	0.05															
Dimethylphthlate	0.05															
Acenaphthylene	0.05															
2,6-Dinitrotoluene	0.05															
3-Nitroaniline	0.05															
Acenaphthene	0.05															
2,4-Dinitrophenol	0.05															
4-Nitrophenol	0.05															
Dibenzofuran	0.05															
2,4-Dinitrotoluene	0.05															
Diethylphthalate	0.05															
4-Chlorophenyl-phenylether	0.05															
Fluorene	0.05															
4-Nitroaniline	0.05															
4,6-Dinitro-2-methylphenol	0.05															
N-nitrosodiphenylamine	0.05															
4-Bromophenyl-phenylether	0.05															
Hexachlorobenzene	0.05															
Pentachlorophenol	0.05															
Phenanthrene	0.05															
Anthracene	0.05															

Reviewer's Init/Date: MK 6-12-01 [illegible] 6-13-01

LOW CONCENTRATION WATER
SEMIVOLATILE TCL COMPOUNDS
Page 3 of 3

CASE/SAS#: 29298					CONTRACT LAB: Mitkar											
Instrument S 2					SITE NAME: Cliffs Contam											
Column:		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time:		5/26 0955			5/26 0955			5/26 2051								
TCL Analytes		RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
Di-n-butylphthalate	0.05															
Fluoranthene	0.05															
Pyrene	0.05															
Butylbenzylphthalate	0.05															
3,3'-Dichlorobenzidine	0.05															
Benzo(a)anthracene	0.05															
Chrysene	0.05															
bis(2-Ethylhexyl)phthalate	0.05															
Di-n-octylphthalate	0.05															
Benzo(b)fluoranthene	0.05															
Benzo(k)fluoranthene	0.05															
Benzo(a)pyrene	0.05															
Indeno(1,2,3-cd)pyrene	0.05															
Dibenz(a,h)anthrancene	0.05															
Benzo(g,h,i)perylene	0.05															
SURROGATES																
Nitrobenzene-d5	0.05															
2-Fluorobiphenyl	0.05															
Terphenyl-d14	0.05															
Phenol-d5	0.05															
2-Fluorophenol	0.05															
2,4,6-Tribromophenol	0.05	0.273	30.7	~~Y~~ NS	0.225			0.224								

Reviewer's Init/Date: MK 6-12-01 acH 6-13-01

% RSD ± 30%, % D ± 25% : National Functional Guidelines, 10/99

Q = These flags should be applied to the analytes on the sample data sheets.
# Minimum Relative Response Factor for Data Review Purposes

LOW CONCENTRATION WATER
SEMIVOLATILE TCL COMPOUNDS
Page 1 of 3

CASE/SAS#: 29298					CONTRACT LAB: Mitkem											
Instrument S2					SITE NAME: Cliffs Contam											
Column:		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time:		5/30 1229			5/30 1229											
TCL Analytes		RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
Phenol	0.05															
bis(2-chloroethyl) Ether	0.05															
2-Chlorophenol	0.05															
2-Methylphenol	0.05															
2,2'-oxybis(1-chloropropane)	0.05															
4-Methylphenol	0.05															
N-Nitroso-di-n-propylamine	0.05															
Hexachloroethane	0.05															
Nitrobenzene	0.05															
Isophorone	0.05															
Nitrophenol	0.05															
2,4-Dimethylphenol	0.05															
bis-(2-chloroethoxy)methane	0.05															
2,4-Dichlorophenol	0.05															
Naphthalene	0.05															
4-Chloroaniline	0.05															
Hexachlorobutadiene	0.05															
4-Chloro-3-methylphenol	0.05															
2-Methylnaphthalene	0.05															

SAMPLES AFFECTED: SLCS 2+1

Reviewer's Init/Date: MK 6-12-01
CCH 6-13-01

LOW CONCENTRATION WATER
SEMIVOLATILE TCL COMPOUNDS
Page 2 of 3

CASE/SAS#: 29248					CONTRACT LAB: Mitkin											
Instrument S2					SITE NAME: Cliffs Contractor											
Column:		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time:		5/30 1224			5/30 1224											
TCL Analytes		RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
Hexachlorocyclopentadiene	0.05	0.280	36.8	J/OJ												
2,4,6-Trichlorophenol	0.05															
2,4,5-Trichlorophenol	0.05															
2-Chloronaphthalene	0.05															
2-Nitroaniline	0.05															
Dimethylphthlate	0.05															
Acenaphthylene	0.05															
2,6-Dinitrotoluene	0.05															
3-Nitroaniline	0.05															
Acenaphthene	0.05															
2,4-Dinitrophenol	0.05	0.044	30.8	J/R												
4-Nitrophenol	0.05															
Dibenzofuran	0.05															
2,4-Dinitrotoluene	0.05															
Diethylphthalate	0.05															
4-Chlorophenyl-phenylether	0.05															
Fluorene	0.05															
4-Nitroaniline	0.05															
4,6-Dinitro-2-methylphenol	0.05															
N-nitrosodiphenylamine	0.05															
4-Bromophenyl-phenylether	0.05															
Hexachlorobenzene	0.05															
Pentachlorophenol	0.05															
Phenanthrene	0.05															
Anthracene	0.05															

Reviewer's Init/Date: JMK 6-12-01 ACH 6-13-01

LOW CONCENTRATION WATER
SEMIVOLATILE TCL COMPOUNDS
Page 3 of 3

CASE/SAS#: 29288					CONTRACT LAB: Mitkin											
Instrument S2					SITE NAME: Cliff Corlem											
Column:		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time:		5/31 1234			5/30 1220											
TCL Analytes		RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
Di-n-butylphthalate	0.05															
Fluoranthene	0.05															
Pyrene	0.05															
Butylbenzylphthalate	0.05															
3,3'-Dichlorobenzidine	0.05															
Benzo(a)anthracene	0.05															
Chrysene	0.05															
bis(2-Ethylhexyl)phthalate	0.05															
Di-n-octylphthalate	0.05															
Benzo(b)fluoranthene	0.05															
Benzo(k)fluoranthene	0.05															
Benzo(a)pyrene	0.05															
Indeno(1,2,3-cd)pyrene	0.05															
Dibenz(a,h)anthrancene	0.05															
Benzo(g,h,i)perylene	0.05															
SURROGATES																
Nitrobenzene-d5	0.05															
2-Fluorobiphenyl	0.05															
Terphenyl-d14	0.05															
Phenol-d5	0.05															
2-Fluorophenol	0.05															
2,4,6-Tribromophenol	0.05															

Reviewer's Init/Date: MK 6-12-01 ACH 6-13-01

% RSD ± 30%, % D ± 25% : National Functional Guidelines, 10/99

Q = These flags should be applied to the analytes on the sample data sheets.
# Minimum Relative Response Factor for Data Review Purposes

CALIBRATION OUTLIER
PESTICIDE/PCB TCL COMPOUNDS
Page 1 of 1

CASE\SAS# 29298					CONTRACT LAB: Milton							
Instrument: E2					SITE NAME: Cliffs Contam							
COLUMN: CIPPest 2	Initial Calibration		Continuing Cal		Continuing Cal		Continuing Cal		Continuing Cal		Continuing Cal	
Date\Time:	6/04 1802		6/05 0658									
TCL Analytes	%RSD	Q	%D	Q	%D	Q	%D	Q	%D	Q	%D	Q
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC												
Heptachlor												
Aldrin												
Heptachlor epoxide												
Endosulfan I												
Dieldrin												
4,4'-DDE												
Endrin												
Endosulfan II												
4,4'-DDD												
Endosulfan sulfate												
4,4'-DDT												
Methoxychlor												
Endrin ketone												
Endrin aldehyde												
alpha-Chlordane												
gamma-Chlordane												
Toxaphene												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Tetrachloro-m-xylene (SURR)												
Decachlorobiphenyl (SURR)												
AFFECTED SAMPLES			E0007									
			PCCS01									
			E0004									
Reviewer's Init/Date: MR 6-12-01			PBLK01									
			E0008									
			E0009									

%RSD ≤ 20%, %D ± 25% per National Functional Guidelines, 10/99
Q - These flags should be applied to the analytes on the sample data sheets.

CALIBRATION OUTLIER
PESTICIDE/PCB TCL COMPOUNDS
Page 1 of 1

CASE\SAS#: 28298					CONTRACT LAB: Milton							
Instrument: E2					SITE NAME: Cliffs Contour							
COLUMN: CLPPes$1	Initial Calibration		Continuing Cal		Continuing Cal		Continuing Cal		Continuing Cal		Continuing Cal	
Date\Time:	6-04	1807	6-05	0458								
TCL Analytes	%RSD	Q	%D	Q	%D	Q	%D	Q	%D	Q	%D	Q
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC												
Heptachlor												
Aldrin												
Heptachlor epoxide												
Endosulfan I												
Dieldrin												
4,4'-DDE												
Endrin												
Endosulfan II												
4,4'-DDD												
Endosulfan sulfate												
4,4'-DDT												
Methoxychlor												
Endrin ketone												
Endrin aldehyde												
alpha-Chlordane												
gamma-Chlordane												
Toxaphene												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Tetrachloro-m-xylene (SURR)												
Decachlorobiphenyl (SURR)												
AFFECTED SAMPLES			E0007									
			PLCS01									
			E0004									
Reviewer Init/Date MK 6-12-01			PBLK01									
			E0008									
			E0009									

%RSD ± 20%, %D ± 25% per National Functional Guidelines, 10/99
Q - These flags should be applied to the analytes on the sample data sheets.

ORGANIC DATA QUALIFIER DEFINITIONS

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

VALUE-if the results is a value greater than or equal to the Contract Required Quantitation Limit (CRQL).

U Indicates that the compound was analyzed for, but not detected. The sample quantitation limit corrected for dilution and percent moisture is reported.

J Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of a compound but the result is less than the sample quantitation limit, but greater than zero. The flag is also used to indicate a reported result having an associated QC problem.

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

N Indicates presumptive evidence of a compound. This flag is only used for a tentatively identified compound, where the identification is based on a mass spectral library search.

P Indicates a pesticide/Aroclor target analyte when there is greater than 25% difference for the detected concentrations between the two GC columns. The lower of the two results is reported.

C Indicates pesticide results that have been confirmed by GC/MS.

B Indicates the analyte is detected in the associated blank as well as the sample.

E Indicates compounds whose concentrations exceed the calibration range of the instrument.

D Indicates an identified compound in an analysis has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analysis.

A Indicates tentatively identified compounds that are suspected to be aldol condensation products.

G Indicates the TCLP Matrix Spike Recovery was greater than the upper limit of the analytical method.

L Indicates the TCLP Matrix Spike Recovery was less than the lower limit of the analytical method.

T Indicates the analyte is found in the associated TCLP extraction blank as well as in the sample.

X, Y, Z are reserved for laboratory defined flags.

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on: 6-8-01

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: CLIFF CONTAINER (IL)

CASE NUMBER: 29298 SDG NUMBER: E0004

Number and Type of Samples: 5 (WATER)

Sample Numbers: E0004, E0006-9

Laboratory: MITKEM Hrs for Review:

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SM-5J

SAMPLE DELIVERY GROUP (SDG) TRAFFIC REPORT (TR) COVER SHEET

Lab Name: Mitkem Corporation Contract No.: 68-D6-0063

Lab Code: Mitkem Case No.: 29298

Full Sample Analysis Price in Contract: $ -498.75

SOG No./First Sample in SOG: E0004 Sample Receipt Date: 5/22/01
(Lowest EPA Sample Number in first shipment of samples received under SOG.) (MM/DD/YY

Last Sample in SOG: E0009 Sample Receipt Date: 5/22/01
(Highest EPA Sample Number in last shipment of samples received under SOG.) (MM/DD/YY

EPA Sample Numbers in the SOG (listed in alphanumeric order)

1	E0004	11	
2	E0006	12	
3	E0007	13	
4	E0008	14	
5	E0009	15	
6		16	
7		17	
8		18	
9		19	
10		20	

Note: There are a maximum of 20 field samples in an SOG.

Attach Traffic Reports to this form in alphanumeric order (i.e., the order listed on this form).

Signature Date 5/24/01

0 004

U(?A Contract Laboratory Program
Organic Traffic Report

Case No:	29298
DAS No:	
SDG No:	E0004

L

Date Shipped: 5/22/01	Date Received/Received by: 5/23/01 Monica Farina	Sampler (Signature): Tony Wasilewski	
Carrier Name: FedEx	Lab Contract No: CJ-DC-0005 Unit Price: 49.75		
Airbill: 4684285130		Relinquished By: [signature]	Date / Time: 5-22/1700	Received By:
Shipped to: Mitkem Corporation, 175 Metro Center Blvd., Warwick RI 02886, (401) 732-3400	Transfer To: —	Relinquished By:	Date / Time:	Received By:
	Date Received/Received By: —			
	Lab Contract No: — Price: —	Relinquished By:	Date / Time: 5/23/01 0900	Received By: Monica Farina

	ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
1075 01	E0004	Potable Well/ Tony Wasilewski	L/G	BNA (21), PEST (21), VOA (21)	5-43417, 5-43418, 5-43419 (HCL), 5-43420 (HCL), 5-43421 (HCL), 5-43422 (HCL), 5-43423 (HCL) (7)	FB	5/22/01 9:00	ME0004	
02	E0006	Potable Well/ Tony Wasilewski	L/G	VOA (21)	5-43424 (HCL), 5-43425 (HCL) (2)	TB	5/21/01		
03	E0007	Potable Well/ Tony Wasilewski	L/G	BNA (21), PEST (21), VOA (21)	5-43427, 5-43428, 5-43429 (HCL), 5-43430 (HCL), 5-43431 (HCL), 5-43432 (HCL), 5-43433 (HCL) (7)	G201	5/22/01 8:50	ME0007	
04	E0008	Potable Well/ Tony Wasilewski	L/G	BNA (21), PEST (21), VOA (21)	5-43436, 5-43437, 5-43438 (HCL), 5-43439 (HCL), 5-43440 (HCL), 5-43441 (HCL), 5-43442 (HCL) (7)	G202	5/22/01 8:50	ME0008	

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: —	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3°C	Chain of Custody Seal Number: 26088, 26089, 26094
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact?	Shipment Iced? 3°C

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-052201-0001

U[illegible]PA Contract Laboratory Program
Organic Traffic Report

Case No: 29298
DAS No:
SDG No: E0004

L

Date Shipped: 5/22/01 Carrier Name: FedEx Airbill: 4684285130 Shipped to: Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	Date Received/Received by: 5/23/01 Monica Faria Lab Contract No: 68-DL-0003 Unit Price: 498.75 Transfer To: — Date Received/Received By: — Lab Contract No: — Price: —	Sampler (Signature): [signature] Relinquished By: [signature] Date / Time: 5-22/1700 Received By: Relinquished By: Date / Time: Received By: Relinquished By: Date / Time: 5/23/01 0900 Received By: [signature]	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0009	Potable Well/ Tony Wasilewski	L/G	BNA (21), PEST (21), VOA (21)	5-43447 (Ice Only), 5-43448 (Ice Only), 5-43449 (Ice Only), 5-43450 (Ice Only), 5-43451 (Ice Only), 5-43452 (Ice Only), 5-43453 (HCL), 5-43454 (HCL), 5-43455 (HCL), 5-43456 (HCL), 5-43457 (HCL), 5-43458 (HCL), 5-43459 (HCL), 5-43460 (HCL), 5-43461 (HCL), 5-43462 (HCL), 5-43463 (HCL), 5-43464 (HCL), 5-43465 (HCL), 5-43466 (HCL), 5-43467 (HCL) (21)	G203	5/22/01 9:20	ME0009	

L SDG Final Sample

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3°C	Chain of Custody Seal Number: 26088, 26089, 26094
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Shipment Iced? 3°C

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-052201-0001

JUN 0 8 2001

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to USEPA Case # 29298 and SDG# E0004. Analyses were performed for five aqueous samples that were received May 23, 2001. The analyses were performed under USEPA Contract # 68-D6-0063. Please note that the coolers received were measured at 3°C.

The following samples are submitted in this data package:

Client ID	Lab ID	Analysis	VOA pH
E0004	81078001	V, S, P	<2
E0006	81078002	V	<2
E0007	81078003	V, S, P	<2
E0008	81078004	V, S, P	<2
E0009	81078005	V, S, P	<2

V = Volatiles
S = Semivolatiles
P = Pesticides/PCB

The analyses were performed using USEPA CLP Low Concentration (OLC02.1) protocols. The analyses were performed with strict adherence to the SOW with the following exceptions and observations:

1. Overall Observation:

Where needed, manual integrations were performed due to co-eluting interferences, matrix interferences or baseline noise to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required.

Several analytes were manually integrated in the initial calibration for the volatiles and semivolatiles. These compounds were manually integrated due to incorrect integration by the software.

2. Volatile Analysis:

Trap used for instrument V1: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

No unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Alkanes were determined as part of TIC and are presented in the.

Low level hydrocarbons were detected in the method blank and the associated samples.

No other unusual observation was made for the analysis.

4. Pesticides/PCB Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest1 and 30 m x 0.53 mm id (0.42 um film thickness) CLPPest2 megabore columns

No unusual observation was made for the analysis.

All of the submittals to the region are originals other than logbook pages and copies of nes and standard files, which are shared by many other cases. For these, the original opies are archived in the laboratory.

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

Agnes Ng
CLP Project Manager
06/05/01

ALKANE NARRATIVE REPORT
Report date : 05/31/2001
SDG: E0004

Client Sample ID: SBLK2H Lab Sample ID: S0523-BW1 File ID: S2C0073

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	21.78	3	J
Straight-Chain Alkane	22.40	4	J
Straight-Chain Alkane	23.01	4	J
Straight-Chain Alkane	23.60	4	J
Straight-Chain Alkane	24.27	3	J

Client Sample ID: E0004 Lab Sample ID: 81078001 File ID: S2C0084

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	21.78	4	JB
Straight-Chain Alkane	22.41	4	JB
Branched Alkane	23.00	6	J
Straight-Chain Alkane	23.61	5	JB
Straight-Chain Alkane	24.28	4	JB
Straight-Chain Alkane	25.08	2	J

Client Sample ID: E0007 Lab Sample ID: 81078003 File ID: S2C0085

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	23.01	2	JB
Straight-Chain Alkane	23.61	2	JB

Client Sample ID: E0008 Lab Sample ID: 81078004 File ID: S2C0086

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	22.41	2	JB
Straight-Chain Alkane	23.60	2	JB

Client Sample ID: E0009 Lab Sample ID: 81078005 File ID: S2C0087

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	23.01	2	JB
Straight-Chain Alkane	23.61	2	JB

Agnes Ng

From: Bauer, Heather <Heather.Bauer@dyncorp.com>
To: Agnes Ng (E-mail) <ang@mitkem.com>
Cc: Howard Pham (E-mail) <Pham.Howard@epa.gov>; Bob Casper (E-mail) <epa4407@epa.state.il.us>
Sent: Wednesday, May 23, 2001 12:36 PM
Subject: Region 05 | Case 29298 | Lab MITKEM | Issue TAT | FINAL

Agnes,
Following is the resolution from Region 5. Per the Region, the lab should note the issue in the case narrative and proceed with the analysis of the samples under the 14 day TAT. Please let me know if you have any other questions or problems.

Thanks,
Heather

Heather Bauer
DynCorp
(703)264-9348

-----Original Message-----
From: Pham.Howard@epamail.epa.gov [mailto:Pham.Howard@epamail.epa.gov]
Sent: Wednesday, May 23, 2001 11:53 AM
To: Bauer, Heather
Subject: Re: Region 05 | Case 29298 | Lab MITKEM | Issue TAT

Hi Heather.
It should be 14 day TAT. Please ask the lab made a correction and proceed the analyses with a note in the case narrative.

Howard Pham

"Bauer, Heather" <Heather.Bauer@dyncorp.com>
To: Howard Pham/R5/USEPA/US@EPA, "Bob Casper (E-mail)" <epa4407@epa.state.il.us>
05/23/2001 10:34 AM
Subject: Region 05 | Case 29298 | Lab MITKEM | Issue TAT
Please respond to "Bauer, Heather"

Following is an e-mail from MITKEM regarding Case 29298. Please advise on how the lab should proceed as quickly as possible.

Thanks,
Heather

Heather Bauer
DynCorp
(703)264-9348

-----Original Message-----
From: Agnes Ng [mailto:ang@mitkem.com]
Sent: Wednesday, May 23, 2001 11:25 AM
To: Bauer, Heather
Subject: Region 5 Case 29298

Hi Heather,
The COC/TR has a 21 day TAT. The samples were received under low con contract, so the TAT should be 14 days.

Thanks,
Agnes

2LCA
LOW CONC. WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

	EPA SAMPLE NO.	BFB %REC #	OTHER	TOT OUT
01	VBLK1Q	96		0
02	VLCS1Q	93		0
03	E0004	94		0
04	E0006	91		0
05	E0007	93		0
06	E0008	92		0
07	E0009	91		0
08	VHBLK1Q	92		0
09				
10				
11				
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BFB = Bromofluorobenzene

QC LIMITS
%REC
(80-120)

Column to be used to flag recovery values.
* Values outside of contract required QC limits.

3LCA

LOW CONC. WATER VOLATILE LAB CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

VLCS1Q

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: V1L0529A LCS Lot No.:

Lab File ID: V1E0363 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

LCS Aliquot: 10 (ul)

COMPOUND	AMOUNT ADDED (NG)	AMOUNT RECOVERED (NG)	%REC #	QC LIMITS
Vinyl chloride	125	121	97	60-140
1,2-Dichloroethane	125	132	106	60-140
Carbon tetrachloride	125	134	107	60-140
1,2-Dichloropropane	125	134	107	60-140
Trichloroethene	125	136	109	60-140
1,1,2-Trichloroethane	125	126	101	60-140
Benzene	125	127	102	60-140
cis-1,3-Dichloropropene	125	129	103	60-140
Bromoform	125	95.3	76	60-140
Tetrachloroethene	125	127	102	60-140
1,2-Dibromoethane	125	119	95	60-140
1,4-Dichlorobenzene	125	126	101	60-140

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

LCS Recovery: 0 outside limits out of 12 total.

COMMENTS:

4LCA

LOW CONC. WATER VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1Q

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: V1B0529A Date Analyzed: 05/29/01

Lab File ID: V1E0362 Time Analyzed: 1047

Instrument ID: V1

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND LCS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VLCS1Q	V1L0529A	V1E0363	1115
02	E0004	81078001	V1E0366	1241
03	E0006	81078002	V1E0367	1310
04	E0007	81078003	V1E0368	1338
05	E0008	81078004	V1E0369	1407
06	E0009	81078005	V1E0370	1435
07	VHBLK1Q	V1B0529C	V1E0385	2144
08				
09				
10				
11				
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COMMENTS:

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1Q

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: V1B0529A Date Received: _____

Lab File ID: V1E0362 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK1Q

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: V1B0529A Date Received: _____

Lab File ID: V1E0362 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.				
2.				
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK1Q

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: V1B0529C Date Received: 05/23/01

Lab File ID: V1E0385 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK1Q

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: V1B0529C Date Received: 05/23/01

Lab File ID: V1E0385 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.				
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0004

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078001 Date Received: 05/23/01

Lab File ID: V1E0366 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0004

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078001 Date Received: 05/23/01

Lab File ID: V1E0366 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0006

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078002 Date Received: 05/23/01

Lab File ID: V1E0367 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0006

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078002 Date Received: 05/23/01

Lab File ID: V1E0367 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0007

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078003 Date Received: 05/23/01

Lab File ID: V1E0368 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0007

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078003 Date Received: 05/23/01

Lab File ID: V1E0368 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0008

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078004 Date Received: 05/23/01

Lab File ID: V1E0369 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0008

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078004 Date Received: 05/23/01

Lab File ID: V1E0369 Date Analyzed: 05/29/01

Purge Volume: 25 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.25 (mm) Length: 30 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
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2LCB
LOW CONC. WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

	EPA SAMPLE NO.	NBZ %REC #	FBP %REC #	TPH %REC #	PHL %REC #	2FP %REC #	TBP %REC #	OTHER	TOT OUT
01	SBLK2H	74	79	95	40	41	51		0
02	E0004	72	73	99	36	37	50		0
03	E0007	70	74	94	38	37	52		0
04	E0008	77	81	102	40	41	56		0
05	E0009	74	76	101	39	40	51		0
06	SLCS2H	68	73	111	28	29	38		0
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		QC LIMITS %REC
NBZ	= Nitrobenzene-d5	(23-120)
FBP	= 2-Fluorobiphenyl	(30-115)
TPH	= Terphenyl-d14	(18-140)
PHL	= Phenol-d5	(15-115)
2FP	= 2-Fluorophenol	(15-121)
TBP	= 2,4,6-Tribromophenol	(15-130)

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

3LCB

LOW CONC. WATER SEMIVOLATILE LAB CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

SLCS2H

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: S0523-LW1 LCS Lot No.:

Lab File ID: S2C0127 Date Extracted: 05/23/01

LCS Aliquot: 1000 (ul) Date Analyzed: 05/30/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

COMPOUND	AMOUNT ADDED (ng)	AMOUNT RECOVERED (ng)	%REC #	QC LIMITS
Phenol	40	24	60	40-120
bis(-2-Chloroethyl)Ether	20	11	55	50-110
2-Chlorophenol	40	26	65	50-110
N-Nitroso-di-n-propylamine	20	11	55	30-110
Hexachloroethane	20	10	50	20-110
Isophorone	20	13	65	50-110
Naphthalene	20	12	60	30-110
4-Chloroaniline	40	28	70	10-120
2,4,6-Trichlorophenol	40	33	82	40-120
2,4-Dinitrotoluene	20	13	65	30-120
Diethylphthalate	20	18	90	50-120
N-nitrosodiphenylamine (1)	20	11	55	30-110
Hexachlorobenzene	20	12	60	40-120
Benzo(a)pyrene	20	14	70	50-120

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

LCS Recovery: 0 outside limits out of 14 total.

COMMENTS:

FORM III LCSV OLC02.1

4LCB

LOW CONC. WATER SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK2H

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: S0523-BW1 Date Extracted: 05/23/01

Lab File ID: S2C0073 Date Analyzed: 05/26/01

Instrument ID: S2 Time Analyzed : 1550

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES and LCS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0004	81078001	S2C0084	05/26/01
02	E0007	81078003	S2C0085	05/26/01
03	E0008	81078004	S2C0086	05/26/01
04	E0009	81078005	S2C0087	05/27/01
05	SLCS2H	S0523-LW1	S2C0127	05/30/01
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COMMENTS:

1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2H

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: S0523-BW1 Date Received: _____

Lab File ID: S2C0073 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

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

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2H

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: S0523-BW1 Date Received: _____

Lab File ID: S2C0073 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK2H

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: S0523-BW1 Date Received: _____

Lab File ID: S2C0073 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0004

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078001 Date Received: 05/23/01

Lab File ID: S2C0084 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

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

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0004

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078001 Date Received: 05/23/01

Lab File ID: S2C0084 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0004

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078001 Date Received: 05/23/01

Lab File ID: S2C0084 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1. 872-50-4	2-PYRROLIDINONE, 1-METHYL-	7.27	2	NJ
2.	UNKNOWN	18.92	4	J
3. 123-95-5	OCTADECANOIC ACID, BUTYL EST	20.36	4	NJ
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1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0007

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078003 Date Received: 05/23/01

Lab File ID: S2C0085 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

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

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0007

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078003 Date Received: 05/23/01

Lab File ID: S2C0085 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF

EPA SAMPLE NO.

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0007

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078003 Date Received: 05/23/01

Lab File ID: S2C0085 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1.	UNKNOWN	18.92	2	J
2. 646-13-9	OCTADECANOIC ACID, 2-METHYLP	20.37	2	NJ
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LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0008

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078004 Date Received: 05/23/01

Lab File ID: S2C0086 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

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

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0008

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078004 Date Received: 05/23/01

Lab File ID: S2C0086 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0008

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078004 Date Received: 05/23/01

Lab File ID: S2C0086 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/26/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST.CONC. (ug/L)	Q
1. 646-13-9	OCTADECANOIC ACID, 2-METHYLP	23.01	2	NJ
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1LCB

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0009

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078005 Date Received: 05/23/01

Lab File ID: S2C0087 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/27/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

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

1LCC

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0009

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078005 Date Received: 05/23/01

Lab File ID: S2C0087 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/27/01

Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
84-66-2	Diethylphthalate	5	U
7005-72-3	4-Chlorophenyl-phenylether	5	U
86-73-7	Fluorene	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-nitrosodiphenylamine (1)	5	U
101-55-3	4-Bromophenyl-phenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butylphthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzylphthalate	5	U
91-94-1	3,3'-Dichlorobenzidine	5	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	U
117-84-0	Di-n-octylphthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) - Cannot be separated from Diphenylamine

1LCF

LOW CONC. WATER SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0009

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078005 Date Received: 05/23/01

Lab File ID: S2C0087 Date Extracted: 05/23/01

Sample Volume: 1000.00 (mL) Date Analyzed: 05/27/01

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 1 (uL)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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2LCC
LOW CONC. WATER PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

GC Column(1): CLPPEST2 ID: 0.53 (mm) GC Column(2): CLPPEST1 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX(1) %REC #	TCX(2) %REC #	DCB(1) %REC #	DCB(2) %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	E0007	81	69	72	70			0
02	PLCS01	88	77	70	69			0
03	E0004	70	83	80	81			0
04	PBLK01	93	93	94	92			0
05	E0008	90	77	94	94			0
06	E0009	99	77	90	90			0
07								
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QC LIMITS

	%REC
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

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

3LCC

LOW CONC. WATER PESTICIDE LAB CONTROL SAMPLE RECOVERY

EPA SAMPLE NO.

PLCS01

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: P0523-LW1 LCS Lot No.:

LCS Aliquot: 1000 (uL) Date Extracted: 05/23/01

Concentrated Extract Volume: 2000(uL) Date Analyzed: 06/05/01

Injection Volume: 1 (uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) Y

Instrument ID(1): E2 GC Column(1):CLPPEST2 ID:0.53 (mm)

COMPOUND	AMOUNT ADDED (ng)	AMOUNT RECOVERED (ng)	%REC #	QC LIMITS
gamma-BHC (Lindane)	100	95.3	95	50-120
Heptachlor epoxide	100	88.2	88	50-150
Dieldrin	200	172.0	86	30-130
4,4'-DDE	200	183.0	92	50-150
Endrin	200	198.0	99	50-120
Endosulfan sulfate	200	149.0	74	50-120
gamma-Chlordane	100	90.0	90	30-130

Instrument ID(2): E2 GC Column(2):CLPPEST1 ID:0.53 (mm)

COMPOUND	AMOUNT ADDED (ng)	AMOUNT RECOVERED (ng)	%REC #	QC LIMITS
gamma-BHC (Lindane)	100	94.4	94	50-120
Heptachlor epoxide	100	88.0	88	50-150
Dieldrin	200	169.0	84	30-130
4,4'-DDE	200	184.0	92	50-150
Endrin	200	196.0	98	50-120
Endosulfan sulfate	200	150.0	75	50-120
gamma-Chlordane	100	88.2	88	30-130

Column to be used to flag recovery values with an asterick.
* Values outside of QC limits.
LCS Recovery: 0 outside limits out of 14 total.

COMMENTS:

4LCC

LOW CONC. WATER PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK01

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Date Extracted: 05/23/01 Lab Sample ID: P0523-BW1

Date Analyzed (1): 06/05/01 Date Analyzed (2): 06/05/01

Time Analyzed (1): 1416 Time Analyzed (2): 1416

Instrument ID (1): E2 Instrument ID (2): E2

GC Column (1): CLPPEST2 ID: 0.53(mm) GC Column (2): CLPPEST1 ID: 0.53(mm)

Sulfur Cleanup (Y/N) Y Extraction:(SepF/Cont) SEPF

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND LCS:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E0007	81078003	06/05/01	06/05/01
02	PLCS01	P0523-LW1	06/05/01	06/05/01
03	E0004	81078001	06/05/01	06/05/01
04	E0008	81078004	06/05/01	06/05/01
05	E0009	81078005	06/05/01	06/05/01
06				
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25				
26				

COMMENTS:

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: P0523-BW1 Date Received: _____

Sample Volume: 1000.00 (mL) Date Extracted: 05/23/01

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 06/05/01

Injection Volume: 1 (uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) Y Extraction: (SepF/Cont) SEPF

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0004

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078001 Date Received: 05/23/01

Sample Volume: 1000.00 (mL) Date Extracted: 05/23/01

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 06/05/01

Injection Volume: 1 (uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) Y Extraction: (SepF/Cont) SEPF

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0007

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078003 Date Received: 05/23/01

Sample Volume: 1000.00 (mL) Date Extracted: 05/23/01

Concentrated Extract Volume: 2000(uL) Date Analyzed: 06/05/01

Injection Volume: 1 (uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) Y Extraction: (SepF/Cont) SEPF

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0008

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078004 Date Received: 05/23/01

Sample Volume: 1000.00 (mL) Date Extracted: 05/23/01

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 06/05/01

Injection Volume: 1 (uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) Y Extraction: (SepF/Cont) SEPF

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

1LCD

LOW CONC. WATER PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0009

Lab Name: MITKEM CORPORATION Contract: 68-D6-0063

Lab Code: MITKEM Case No.: 29298 SAS No.: SDG No.: E0004

Lab Sample ID: 81078005 Date Received: 05/23/01

Sample Volume: 1000.00 (mL) Date Extracted: 05/23/01

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 06/05/01

Injection Volume: 1 (uL) Dilution Factor: 1.0

Sulfur Cleanup: (Y/N) Y Extraction: (SepF/Cont) SEPF

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
319-84-6	alpha-BHC	0.010	U
319-85-7	beta-BHC	0.010	U
319-86-8	delta-BHC	0.010	U
58-89-9	gamma-BHC (Lindane)	0.010	U
76-44-8	Heptachlor	0.010	U
309-00-2	Aldrin	0.010	U
1024-57-3	Heptachlor epoxide	0.010	U
959-98-8	Endosulfan I	0.010	U
60-57-1	Dieldrin	0.020	U
72-55-9	4,4'-DDE	0.020	U
72-20-8	Endrin	0.020	U
33213-65-9	Endosulfan II	0.020	U
72-54-8	4,4'-DDD	0.020	U
1031-07-8	Endosulfan sulfate	0.020	U
50-29-3	4,4'-DDT	0.020	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.020	U
7421-93-4	Endrin aldehyde	0.020	U
5103-71-9	alpha-Chlordane	0.010	U
5103-74-2	gamma-Chlordane	0.010	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.20	U
11104-28-2	Aroclor-1221	0.40	U
11141-16-5	Aroclor-1232	0.20	U
53469-21-9	Aroclor-1242	0.20	U
12672-29-6	Aroclor-1248	0.20	U
11097-69-1	Aroclor-1254	0.20	U
11096-82-5	Aroclor-1260	0.20	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0004 CERCLIS No: ILD007768481

Case No: 29298 Site Name Location: CLIFF CONTAINER

Contractor or EPA Lab: MITKEM Data User: IEPA

No. of Samples: 5 Date Sampled or Date Received: 6-8-01

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ✓ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 5 No. of samples received: 5

Received by: Eun H. Dixon/ESAT Date: 6-8-01

Received by LSSS: Eun H. Dixon/ESAT Date: 6-8-01

Review started: 6-12-01 Reviewer Signature: [illegible]

Total time spent on review: 10 Date review completed: 6-14-01

Copied by: Eun H. Dixon/ESAT Date: 6-18-01

Mailed to user by: Eun H. Dixon/ESAT Date: 6-18-01

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: ____