Lockheed Martin Services Group
Environmental Services & Technologies Region 5
536 South Clark Street #1050 Chicago, IL 60605
Telephone 312-353-8302 Facsimile 312-353-8307

LOCKHEED MARTIN

EPA Region 5 Records Ctr.
366874

Date: January 08, 2001

To Richard Byvik, EPA WAM

From: Steffanie Tobin, ESAT Chemist

Thru: Ziyad Rajabi, ESAT Team Manager

Copies: W. Ira Wilson, ESAT Organic Group Leader
Jay Thakkar, ESAT Contract RPO

Ref: TDF# 5207-1197
WA# 05-00-4-07
Contract # 68D60002

SUBJECT: Organic Data Review for Case 28737, SDG EE02B for Semivolatile and Pest/PCB Analyses Using SOW OLMO4.2 5/99.

Attached is the deliverable for Case 28737, SDG EE02B for Semivolatile and Pest/PCB analyses of 20 soil samples. Included in the deliverable is the CADRE-generated case narrative, Lotus Analytical Results spreadsheets and diskette. If you have any question please contact Ira Wilson.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on December 11, 2000

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: Wisconsin Steel (IL)

Case number: 28737 SDG Number: EE02B

Number and Type of Samples: 20 soil samples

Sample Numbers: EE02B-C, EE02E-H, EE02J-N, EE02P-T, EE02W-Z

Laboratory: AATS Hrs. for Review: _____

Following are our findings:

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

Case Number : 28737 **SDG Number: EE02B**
Site Name: Wisconsin Steel (IL) **Laboratory: AATS**

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

Twenty soil samples (EE02B-C, EE02E-H, EE02J-N, EE02P-T, EE02W-Z) were collected on 11/13-14/2000. The laboratory received the samples on 11/15/2000 in good condition. All samples were analyzed for the list of Semivolatile and Pest/PCB analytes. All samples were analyzed according to CLP SOW OLM04.2 5/99.

Reviewed By: Steffanie Tobin (Lockheed Martin/ESAT)
Date: January 08, 2001

Case Number : 28737
Site Name: Wisconsin Steel (IL)

SDG Number: EE02B
Laboratory: AATS

1. HOLDING TIME

No problems were found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found for this qualification.

3. CALIBRATION

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 "UJ".

4-Chloroaniline
EE02B, EE02BMS, EE02BMSD, EE02C, EE02E, EE02F, EE02G, EE02K, EE02L, SBLKFE

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "UJ".

4-Chloroaniline
EE02GDL, EE02H, EE02J, EE02M, EE02N, EE02P, EE02Q, EE02R, EE02S, EE02T, EE02W, EE02X, EE02Y, EE02YMS, EE02YMSD, EE02Z, EE02ZDL, SBLKFF, SBLKFH

The following semivolatile samples are associated with a continuing calibration relative response factor (RRF50) outside primary criteria. Hits are flagged "J" and non-detects are qualified "UJ".

4-Chloroaniline
EE02N, EE02R, EE02ZDL

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

Benzaldehyde, 4,6-Dinitro-2-methylphenol, Atrazine, Carbazole, Benzo(g,h,i)perylene
EE02J, EE02P, EE02W, EE02X, EE02Z, EE02ZDL

2,2'-oxybis(1-Chloropropane), N-Nitroso-di-n-propylamine, Caprolactam, Butylbenzylphthalate, Di-n-octylphthalate, Benzo(k)fluoranthene, Dibenz(a,h)anthracene
EE02N, EE02R

4-Chloroaniline
EE02GDL, EE02H, EE02J, EE02P, EE02S, EE02W, EE02X, EE02Z

Hexachlorocyclopentadiene

Reviewed By: Steffanie Tobin (Lockheed Martin/ESAT)
Date: January 08, 2001

EE02GDL, EE02H, EE02J, EE02M, EE02P, EE02Q, EE02S, EE02T, EE02W, EE02X, EE02Y, EE02YMS, EE02YMSD, EE02Z, EE02ZDL, SBLKFF, SBLKFH

2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 4-Nitroaniline, N-Nitrosodiphenylamine
EE02ZDL

2,4,5-Trichlorophenol, Pentachlorophenol
EE02J, EE02P, EE02W, EE02X, EE02Z

4-Nitrophenol
EE02M, EE02N, EE02Q, EE02R, EE02T, EE02Y, EE02YMS, EE02YMSD, SBLKFF, SBLKFH

Hexachlorobenzene
EE02GDL, EE02H, EE02N, EE02R, EE02S

The RPD between the nominal and the calculated amount of an analyte in the midpoint INDA/INDB exceeded criteria. Hits are qualified "J" and non-detects are qualified "UJ".

EE02BMS, EE02BMSD, EE02C, EE02E, EE02F, EE02G, EE02H, EE02L, EE02M
4,4'-DDT

4. METHOD BLANKS

The following semivolatile 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.

bis(2-Ethylhexyl)phthalate
EE02B, EE02BMS, EE02BMSD, EE02F, EE02G, EE02H, EE02L, EE02N, EE02P, EE02R, EE02T

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.

EE02B, EE02C, EE02E, EE02G, EE02H, EE02JDL, EE02K, EE02L, EE02P, EE02T, EE02WDL
Methoxychlor

EE02R, EE02XDL, EE02ZDL
alpha-Chlordane

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following semivolatile samples have surrogate recoveries of less than 10% and a dilution factor which exceeds criteria. Hits and non-detects are not flagged due to sample dilution.

EE02P, EE02Z, EE02ZDL

The following semivolatile samples have surrogate recoveries above the QC limits. Hits and non-detects are not flagged due to sample dilution.

EE02ZDL

The following semivolatile samples have two or more base/neutral surrogate recoveries below the lower limit of the criteria window and greater than 10%. Hits non-detects are not flagged due to sample dilution.

EE02J

The following semivolatile samples have two or more acid surrogate recoveries below the lower limit of the criteria window and greater than 10%. Hits non-detects are not flagged due to sample dilution.

EE02J

The following semivolatile samples have a base/neutral surrogate recovery below the QC limits. Hits and non-detects are not flagged since the protocol allows at least two surrogates in either base/newtral or acid fraction to be out of control before a reanalysis or qualification is required.

EE02M, EE02Q, SBLKFF, SBLKFH

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.

EE02G, EE02K, EE02X, EE02Y

The following pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window. Hits and non-detects are not flagged due to sample dilution.

EE02Z, EE02XDL, EE02YDL, EE02ZDL, EE02WDL

The following diluted pesticide samples have surrogate percent recoveries of less than 10%. Hits and non-detects are not flagged due to sample dilution.

EE02ZDL

The following undiluted pesticide samples have surrogate percent recoveries of less than 10%. Hits are qualified "J" and non-detects are qualified "R".

EE02H

The following pesticide samples have surrogate percent recoveries outside the lower limit of the criteria

window, but greater than 10%. Hits are qualified "J" and non-detects are qualified "UJ".

EE02T

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Hits are qualified "J" and non-detects are qualified "UJ" for the unspiked sample.

EE02YMS, EE02YMSD
Acenaphthene, 4-Nitrophenol, Pyrene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery below the QC limits. Hits are qualified "J" and non-detects are qualified "UJ" for the unspiked sample.

EE02BMSD
Pyrene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limits. Hits and non-detects are flagged above.

EE02YMSD
Pyrene

The relative percent difference (RPD) between the following pesticide matrix spike and matrix spike duplicate recoveries is outside criteria. Hits are qualified "J" and non-detects are qualified "UJ" for the unspiked sample

EE02BMS, EE02BMSD
4,4'-DDT

7. FIELD BLANK AND FIELD DUPLICATE

None of the samples in this data set are field duplicates or field blanks.

8. INTERNAL STANDARDS

No problems were found for this qualification.

9. COMPOUND IDENTIFICATION

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

Reviewed By: Steffanie Tobin (Lockheed Martin/ESAT)
Date: January 08, 2001

Case Number : 28737
Site Name: Wisconsin Steel (IL)

SDG Number: EE02B
Laboratory: AATS

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

EE02B
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EE02BMS
Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluorene, Pentachlorophenol, Phenanthrene, Anthracene, Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EE02BMSD
Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluorene, Pentachlorophenol, Phenanthrene, Anthracene, Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EE02C
Naphthalene, 2-Methylnaphthalene, Phenanthrene

EE02F
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Pentachlorophenol, Anthracene, Carbazole, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EE02G
1,1'-Biphenyl , Acenaphthylene, Carbazole, Dibenz(a,h)anthracene

EE02GDL
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02H
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Phenanthrene, 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

EE02J
Naphthalene, Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

Reviewed By: Steffanie Tobin (Lockheed Martin/ESAT)
Date: January 08, 2001

EE02K
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(k)fluoranthene, Benzo(a)pyrene

EE02L
1,1'-Biphenyl , Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Carbazole, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene

EE02M
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Benzo(a)anthracene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02N
2-Methylnaphthalene, 1,1'-Biphenyl , Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Benzo(b)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02P
Naphthalene, 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

EE02Q
4-Methylphenol, 2,4-Dimethylphenol, Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Fluorene, Phenanthrene, Anthracene, bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02R
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Phenanthrene, 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

EE02S
Naphthalene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo(g,h,i)perylene

EE02T
Naphthalene, 2-Methylnaphthalene, 1,1'-Biphenyl , Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02W
2-Methylnaphthalene, Acenaphthylene, Acenaphthene, 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

EE02X
Naphthalene, 2-Methylnaphthalene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo(g,h,i)perylene

EE02Y
2-Methylnaphthalene, Acenaphthylene, Dibenzofuran, Fluorene, Anthracene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02YMS
2-Methylnaphthalene, Acenaphthylene, Dibenzofuran, Fluorene, bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02YMSD
2-Methylnaphthalene, Acenaphthylene, Dibenzofuran, Carbazole, bis(2-Ethylhexyl)phthalate, Benzo(g,h,i)perylene

EE02Z
2-Methylnaphthalene, 1,1'-Biphenyl , Acenaphthylene, Carbazole, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02ZDL
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Carbazole, 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

SBLKFE
bis(2-Ethylhexyl)phthalate

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

EE02B
alpha-BHC, Dieldrin, 4,4'-DDD, Endrin ketone

EE02BMS
beta-BHC, Endosulfan I, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, gamma-Chlordane

EE02BMSD
4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02F
gamma-BHC (Lindane), Dieldrin, 4,4'-DDT, Endrin ketone

EE02G
Dieldrin, Endosulfan II, Endrin ketone, alpha-Chlordane

EE02H
Heptachlor epoxide, Dieldrin, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT

EE02J
alpha-BHC

EE02JDL
beta-BHC, Heptachlor epoxide, Endosulfan I, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, alpha-Chlordane

EE02L
Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02M
Aldrin, Heptachlor epoxide, 4,4'-DDD, Methoxychlor

EE02N
alpha-BHC, Aldrin, Heptachlor epoxide, 4,4'-DDD, Methoxychlor

EE02P
4,4 -DDD

EE02Q
alpha-BHC, Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Methoxychlor, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02R
Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02S
Endosulfan II, Methoxychlor

EE02T
Aroclor-1254

EE02W
alpha-BHC, Aldrin

EE02WDL
beta-BHC, Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde

EE02X
alpha-BHC, Endosulfan I

EE02XDL
beta-BHC, Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02YDL
Heptachlor, Heptachlor epoxide, Dieldrin, Endosulfan II, 4,4'-DDT, Methoxychlor

EE02Z
4,4'-DDE, Endrin, 4,4'-DDT, alpha-Chlordane

EE02ZDL
4,4'-DDD

PBLK1
Methoxychlor, alpha-Chlordane

The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria. Hits are qualified "J".

EE02B
Dieldrin

EE02BMS
beta-BHC, Heptachlor, Endosulfan I, 4,4'-DDE, Endrin ketone, gamma-Chlordane

EE02BMSD
Heptachlor, 4,4'-DDE, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02G
alpha-Chlordane

EE02J
alpha-BHC, beta-BHC, Heptachlor epoxide, Endosulfan I, 4,4'-DDD, Endosulfan sulfate, Methoxychlor, gamma-Chlordane, Aroclor-1254

EE02JDL
beta-BHC, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane, Aroclor-1242

EE02L
Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, gamma-Chlordane, Aroclor-1242

Case Number : 28737
Site Name: Wisconsin Steel (IL)

SDG Number: EE02B
Laboratory: AATS

EE02M
beta-BHC, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Methoxychlor, Endrin ketone, alpha-Chlordane, gamma-Chlordane, Aroclor-1242

EE02N
beta-BHC, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Methoxychlor, Endrin ketone, alpha-Chlordane, gamma-Chlordane, Aroclor-1242

EE02P
Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin aldehyde, gamma-Chlordane, Aroclor-1242

EE02Q
Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Methoxychlor, Endrin ketone, Endrin aldehyde, gamma-Chlordane, Aroclor-1242, Aroclor-1254

EE02R
Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane, Aroclor-1242

EE02S
alpha-BHC, beta-BHC, Aldrin, Heptachlor epoxide, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin aldehyde, gamma-Chlordane, Aroclor-1242, Aroclor-1254

EE02T
Aroclor-1242

EE02W
alpha-BHC, beta-BHC, Aldrin, Heptachlor epoxide, Endosulfan I, Endosulfan sulfate, gamma-Chlordane, Aroclor-1242

EE02WDL
beta-BHC, Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane, Aroclor-1242

EE02X
alpha-BHC, Heptachlor epoxide, Endosulfan I, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, gamma-Chlordane, Aroclor-1242, Aroclor-1254

EE02XDL
Dieldrin, 4,4'-DDE, Endrin aldehyde, gamma-Chlordane, Aroclor-1242, Aroclor-1254

EE02Y
Aldrin, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, 4,4'-DDT, Methoxychlor, Endrin ketone, gamma-Chlordane, Aroclor-1242, Aroclor-1254

Reviewed By: Steffanie Tobin (Lockheed Martin/ESAT)
Date: January 08, 2001

EE02YDL
Beta-BHC, Heptachlor, Heptachlor epoxide, Dieldrin, 4,4'-DDE, Endosulfan II, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone

EE02Z
beta-BHC, 4,4'-DDE, Endrin, Endosulfan II, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

PBLK1
alpha-Chlordane

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

For the SVOA fraction, the results of Naphthalene for EE02YMS and EE02YMSD were quantitated outside the calibration range. The results of 4-Nitrophenol, Phenanthrene, Fluoranthene, Pyrene for EE02YMSD were quantitated outside the calibration range. No dilutions were made for these samples since these samples were used for QC purpose only.

For the SVOA fraction, the following samples have analytes which were quantitated outside the calibration range:

-EE02G: Phenanthrene, Fluoranthene, Pyrene
-EE02Z: Phenanthrene

For the Pest/PCB fraction, the following samples have analytes which were quantitated outside the calibration range:

-EE02J: Endrin, 4,4'-DDT
-EE02W: 4,4'-DDT
-EE02Y: Aldrin, Endrin Ketone

For the analyte that exceeded the calibration range in the original sample analysis; the results of the diluted analysis should be considered the sample's analyte concentration.

Incorrect results were reported on CADRE report for Aroclor-1242 & Aroclor-1254 of EE02J and Aroclor-1242 of EE02Y. Corrections were made by the reviewer.

The QC Forms and raw data for the Pest/PCB fraction were not included in the data package. The reviewer used the results from the CADRE report for blank correction and any other correction.

Reviewed By: Steffanie Tobin (Lockheed Martin/ESAT)
Date: January 08, 2001

Case Number : 28737
Site Name: Wisconsin Steel (IL)

SDG Number: EE02B
Laboratory: AATS

Reviewed By: Steffanie Tobin (Lockheed Martin/ESAT)
Date: January 08, 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.
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)
H	Sample result is estimated and biased high.
L	Sample result is estimated and biased low.

Semivolatile Analysis Data - SBLKFE
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.23	120.000	J

FILE NAME EE02B SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 1

Semivolatile Analysis Data - EE02B
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.85	120.000	J
	UNKNOWN	3.07	210.000	J
	UNKNOWN	3.51	98.000	J
	UNKNOWN	3.56	170.000	J
	UNKNOWN	3.60	94.000	J
	UNKNOWN	3.63	100.000	J
	UNKNOWN	4.45	94.000	J
575-43-9	NAPHTHALENE,1,6-DIMETHYL-	4.55	140.000	JN
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.64	280.000	JN
	UNKNOWN	4.81	130.000	J
	UNKNOWN	4.86	130.000	J
829-26-5	NAPHTHALENE,2,3,6-TRIMETHYL-	5.28	100.000	JN
	UNKNOWN	6.35	160.000	J
	UNKNOWN	6.51	110.000	J
613-12-7	ANTHRACENE,2-METHYL-	7.50	130.000	JN
57-10-3	HEXADECANOICACID	7.64	540.000	JN
	UNKNOWN	8.22	140.000	J
	UNKNOWN	9.90	520.000	J
239-35-0	BENZO[B]NAPHTHO[2 1-D]THIOPHENE	10.01	96.000	JN
3697-24-3	CHRYSENE,5-METHYL-	10.90	260.000	JN
192-97-2	BENZO[E]PYRENE	12.05	160.000	JN
53884-60-4	28-NOR-17,ALPHA (H)-HOPANE	12.74	140.000	JN
	UNKNOWN	13.05	260.000	J

FILE NAME. EE02B.SDG DATE. 12/11/2000 TIME: 15:02 CADRE99 PAGE: 2

Semivolatile Analysis Data - EE02C
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO. EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	1.96	95.000	J
	UNKNOWN	2.10	130.000	J
	UNKNOWN	2.15	150.000	J
	UNKNOWN	2.85	170.000	J
	UNKNOWN	3.07	210.000	J
95-93-2	BENZENE,1 2 4,5-TETRAMETHYL-	3.20	91.000	JN
	UNKNOWN	3.51	170.000	J
	UNKNOWN	3.56	270.000	J
	UNKNOWN	3.63	100.000	J
	UNKNOWN	3.89	250.000	J
475-03-6	NAPHTHALENE,1,2,3,4-TETRAHYDRO-1,1,6-T	4.25	140.000	JN
	UNKNOWN	4.45	170.000	J
	UNKNOWN	4.81	160.000	J
54789-45-3	3-BUTEN-2-ONE,1-(2,3,6-TRIMETHYLPHENYL	5.20	98.000	JN
	UNKNOWN	5.24	140.000	J
	UNKNOWN	5.28	91.000	J
	UNKNOWN	5.45	98.000	J
	UNKNOWN	6.36	140.000	J
529-05-5	AZULENE,7-ETHYL-1,4-DIMETHYL-	6.50	110.000	JN
	UNKNOWN	8.47	130.000	J
	UNKNOWN	8.77	99.000	J
	UNKNOWN	9.89	180.000	J
	UNKNOWN	12.64	100.000	J

FILE NAME EE02B.SDG DATE: 12/11/2000 TIME: 15.02 CADRE99 PAGE: 3

Semivolatile Analysis Data - EE02E
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.15	110.000	J
	UNKNOWN	2.85	98.000	J
	UNKNOWN	3.07	190.000	J
95-93-2	BENZENE,1,2 4,5-TETRAMETHYL-	3.19	94.000	JN
	UNKNOWN	3.50	130.000	J
	UNKNOWN	3.56	260.000	J
	UNKNOWN	3.60	150.000	J
	UNKNOWN	3.63	95.000	J
540-97-6	CYCLOHEXASILOXANE,DODECAMETHYL-	3.89	190.000	JN
475-03-6	NAPHTHALENE 1,2,3 4-TETRAHYDRO-1,1,6-T	4.25	98.000	JN
	UNKNOWN	4.45	120.000	J
	UNKNOWN	4.81	120.000	J
	UNKNOWN	6.21	83.000	J
529-05-5	AZULENE,7-ETHYL-1 4-DIMETHYL-	6.50	98.000	JN
	UNKNOWN	7.62	82.000	J
	UNKNOWN	7.84	110.000	J
	UNKNOWN	8.76	100.000	J
	UNKNOWN	9.89	650.000	J

FILE NAME EE02B.SDG DATE 12/11/2000 TIME: 15.02 CADRE99 PAGE: 4

Semivolatile Analysis Data - EE02F
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.15	220.000	J
	UNKNOWN	2.37	170.000	J
	UNKNOWN	2.76	130.000	J
	UNKNOWN	2.85	270.000	J
541-02-6	CYCLOPENTASILOXANE,DECAMETHYL-	3.07	350.000	JN
	UNKNOWN	3.12	120.000	J
	UNKNOWN	3.20	120.000	J
54120-62-5	BENZENE,ETHYL-1,2,4-TRIMETHYL-	3.51	260.000	JN
	UNKNOWN	3.57	320.000	J
	UNKNOWN	3.61	150.000	J
	UNKNOWN	3.63	220.000	J
475-03-6	NAPHTHALENE,1,2,3,4-TETRAHYDRO-1,1,6-T	4.25	210.000	JN
	UNKNOWN	4.45	300.000	J
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.63	120.000	JN
	UNKNOWN	5.34	110.000	J
	UNKNOWN	5.45	210.000	J
	UNKNOWN	6.36	140.000	J
	UNKNOWN	6.41	110.000	J
	UNKNOWN	6.51	200.000	J
	UNKNOWN	7.10	130.000	J
	UNKNOWN	7.61	190.000	J
	UNKNOWN	7.64	230.000	J
3674-66-5	PHENANTHRENE,2,5-DIMETHYL-	8.22	130.000	JN
	UNKNOWN	8.49	120.000	J
	UNKNOWN	8.78	120.000	J
	UNKNOWN	9.90	280.000	J
	UNKNOWN	13.05	220.000	J

FILE NAME: EE02B SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 5

Semivolatile Analysis Data - EE02G
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.56	120.000	J
575-43-9	NAPHTHALENE,1,6-DIMETHYL-	4.55	300.000	JN
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.64	470.000	JN
2131-42-2	NAPHTHALENE,1,4,6-TRIMETHYL-	5.29	240.000	JN
829-26-5	NAPHTHALENE 2,3,6-TRIMETHYL-	5.39	180.000	JN
	UNKNOWN	5.56	140.000	J
610-48-0	ANTHRACENE,1-METHYL-	7.52	110.000	JN
	UNKNOWN	7.64	280.000	J
243-17-4	11H-BENZO[B]FLUORENE	9.32	230.000	JN
	UNKNOWN	10.69	110.000	J
3351-28-8	CHRYSENE,1-METHYL-	10.95	100.000	JN
207-08-9	BENZO[K]FLUORANTHENE	11.91	880.000	JN
207-08-9	BENZO[K]FLUORANTHENE	12.11	1200.000	JN
	UNKNOWN	13.48	220.000	J
	UNKNOWN	13.52	310.000	J
	UNKNOWN	14.99	200.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 6

Semivolatile Analysis Data - EE02K
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.09	110.000	J
	UNKNOWN	2.15	89.000	J
	UNKNOWN	2.85	86.000	J
541-02-6	CYCLOPENTASILOXANE,DECAMETHYL-	3.07	190.000	JN
	UNKNOWN	3.51	100.000	J
	UNKNOWN	3.56	190.000	J
	UNKNOWN	3.59	160.000	J
540-97-6	CYCLOHEXASILOXANE,DODECAMETHYL-	3.90	200.000	JN
475-03-6	NAPHTHALENE,1,2,3,4-TETPAHYDRO-1,1,6-T	4.24	93.000	JN
	UNKNOWN	4.45	120.000	J
	UNKNOWN	4.81	140.000	J
	UNKNOWN	7.62	130.000	J
	UNKNOWN	7.83	160.000	J
18108-56 C	AZEPINO[3,2,1-HI]INDOLE,8-ETHYL-4,5,6,	8.47	98.000	JN
	UNKNOWN	8.77	85.000	J
	UNKNOWN	9.89	640.000	J
	UNKNOWN	13.04	97.000	J

FILE NAME: EE02B SDG DATE 12/11/2000 TIME: 15:02 CADRE99 PAGE: 7

Semivolatile Analysis Data - EE02L
Tentatively Identified Compounds

CASE NO. 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.10	280.000	J
	UNKNOWN	2.15	220.000	J
	UNKNOWN	2.35	300.000	J
	UNKNOWN	2.76	190.000	J
	UNKNOWN	2.85	400.000	J
	UNKNOWN	3.07	210.000	J
	UNKNOWN	3.56	240.000	J
	UNKNOWN	3.89	170.000	J
264-09-5	BENZOCYCLOHEPTATRIENE	4.05	210.000	JN
	UNKNOWN	4.25	160.000	J
	UNKNOWN	4.45	190.000	J
582-16-1	NAPHTHALENE,2,7-DIMETHYL-	4.55	450.000	JN
571-61-9	NAPHTHALENE,1,5-DIMETHYL-	4.64	960.000	JN
581-40-8	NAPHTHALENE,2,3-DIMETHYL-	4.76	160.000	JN
2131-42-[illegible]	NAPHTHALENE,1,4,6-TRIMETHYL-	5.29	190.000	JN
	UNKNOWN	5.34	220.000	J
2131-42-[illegible]	NAPHTHALENE,1,4 6-TRIMETHYL-	5.39	240.000	JN
7320-53-[illegible]	DIBENZOFURAN 4-METHYL-	5.85	250.000	JN
	UNKNOWN	6.37	430.000	J
	UNKNOWN	6.63	430.000	J
	UNKNOWN	6.68	280.000	J
613-12-7	ANTHRACENE,2-METHYL-	7.52	970.000	JN
	UNKNOWN	7.64	990.000	J

FILE NAME: EE02B SDG DATE 12/11/2000 TIME: 15:02 CADRE99 PAGE: 8

Semivolatile Analysis Data - EE02T
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.84	180.000	J
	UNKNOWN	3.06	250.000	J
	UNKNOWN	3.56	210.000	J
90-12-0	NAPHTHALENE,1-METHYL-	4.03	170.000	JN
575-37-1	NAPHTHALENE,1,7-DIMETHYL-	4.54	240.000	JN
575-41-7	NAPHTHALENE,1,3-DIMETHYL-	4.63	620.000	JN
	UNKNOWN	6.36	200.000	J
	UNKNOWN	7.62	410.000	J
	UNKNOWN	12.77	1100.000	J
57-88-5	CHOLESTEROL	12.97	2600.000	JN
	UNKNOWN	13.08	1500.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 9

Semivolatile Analysis Data - SBLKFF
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.06	290.000	J
540-97-6	CYCLOHEXASILOXANE,DODECAMETHYL-	3.88	130.000	JN
	UNKNOWN	8.26	78.000	J
	UNKNOWN	9.71	76.000	J
	UNKNOWN	9.88	150.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 10

Semivolatile Analysis Data - EE02M
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.22	210.000	J
	UNKNOWN	2.85	230.000	J
	UNKNOWN	3.56	220.000	J
	UNKNOWN	3.79	200.000	J
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.54	230.000	JN
	UNKNOWN	4.65	490.000	J
	UNKNOWN	5.28	220.000	J
829-26-5	NAPHTHALENE,2,3,6-TRIMETHYL-	5.38	150.000	JN
	UNKNOWN	5.44	280.000	J
	UNKNOWN	13.11	1300.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 11

Semivolatile Analysis Data - EE02Q
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.22	170.000	J
	UNKNOWN	4.54	120.000	J
	UNKNOWN	4.64	420.000	J
	UNKNOWN	5.20	110.000	J
	UNKNOWN	5.23	250.000	J
829-26-[illegible]	NAPHTHALENE,2,3,6-TRIMETHYL-	5.38	140.000	JN
	UNKNOWN	7.63	310.000	J
	UNKNOWN	12.77	910.000	J
	UNKNOWN	13.08	1300.000	J

FILE NAME: EE02E SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 12

Semivolatile Analysis Data - EE02Y
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.05	5000.000	J
	UNKNOWN	3.06	3800.000	J
	UNKNOWN	4.64	3300.000	J
	UNKNOWN	5.56	5300.000	J
	UNKNOWN	6.17	8400.000	J
	UNKNOWN	6.31	5400.000	J
	UNKNOWN	7.64	23000.000	J
	UNKNOWN	12.75	31000.000	J
35728-7[illegible]-0	28-NOR-17,BETA,(H)-HOPANE	13.06	26000.000	JN

FILE NAME EE02E SDG DATE 12/11/2000 TIME: 15:02 CADRE99 PAGE: 13

Semivolatile Analysis Data - EE02S
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.56	1200.000	J
	UNKNOWN	3.66	1300.000	J
	UNKNOWN	4.09	1100.000	J
[illegible]-37-[illegible]	NAPHTHALENE,1,7-DIMETHYL-	4.64	3700.000	JN
	UNKNOWN	4.85	2600.000	J
	UNKNOWN	5.19	2900.000	J
	UNKNOWN	5.33	2100.000	J
829-26-[illegible]	NAPHTHALENE,2,3,6-TRIMETHYL-	5.38	1700.000	JN
	UNKNOWN	6.48	2700.000	J
	UNKNOWN	12.74	2500.000	J
	UNKNOWN	13.05	4500.000	J

FILE NAME EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 14

Semivolatile Analysis Data - EE02GDL
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
571-61-9	NAPHTHALENE,1,5-DIMETHYL-	4.53	500.000	DJN
581-40-8	NAPHTHALENE,2,3-DIMETHYL-	4.63	840.000	DJN
	UNKNOWN	6.35	440.000	DJ
	UNKNOWN	7.46	440.000	DJ
610-48-0	ANTHRACENE 1-METHYL-	7.50	730.000	DJN
832-64-4	PHENANTHRENE,4-METHYL-	7.55	490.000	DJN
	UNKNOWN	7.61	1100.000	DJ
	UNKNOWN	8.51	500.000	DJ
243-17-4	11H-BENZO[B]FLUORENE	9.18	540.000	DJN
243-17-4	11H-BENZO[B]FLUORENE	9.26	460.000	DJN
	UNKNOWN	11.85	640.000	DJ
207-08-9	BENZO[K]FLUORANTHENE	12.05	920.000	DJN

FILE NAME: EE02B SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 15

Semivolatile Analysis Data - EE02H
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.06	600.000	J
	UNKNOWN	3.55	630.000	J
	UNKNOWN	3.62	610.000	J
	UNKNOWN	4.63	720.000	J
	UNKNOWN	4.86	1100.000	J
	UNKNOWN	5.55	950.000	J
	UNKNOWN	6.14	49000.000	J
	UNKNOWN	6.20	2600.000	J
6416-39-3	1H-INDENE,2,3-DIHYDRO-1-METHYL-3-PHENY	6.29	3200.000	JN
	UNKNOWN	6.63	6800.000	J
	UNKNOWN	9.63	2000.000	J
	UNKNOWN	10.75	5500.000	J
	UNKNOWN	12.78	5500.000	J
	UNKNOWN	13.10	13000.000	J

FILE NAME EE02B SDG DATE 12/11/2000 TIME: 15:02 CADRE99 PAGE: 16

Semivolatile Analysis Data - EE02P
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	13.03	3200.000	J

FILE NAME EE02B SDG DATE 12/11/2000 TIME 15:02 CADRE99 PAGE: 17

Semivolatile Analysis Data - EE02W
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	4.62	1500.000	J
	UNKNOWN	5.22	2800.000	J
13540-55-2	BENZENE,1,2-DIMETHYL-4-(PHENYLMETHYL)-	5.54	2400.000	JN
	UNKNOWN	5.61	13000.000	J
	UNKNOWN	6.12	50000.000	J
	UNKNOWN	6.18	3900.000	J
	UNKNOWN	6.27	1700.000	J
	UNKNOWN	6.51	5700.000	J
	UNKNOWN	6.61	5100.000	J
	UNKNOWN	7.30	3900.000	J
	UNKNOWN	10.71	6900.000	J
	UNKNOWN	13.05	4500.000	J

FILE NAME: EE023.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 18

Semivolatile Analysis Data - EE02X
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	4.20	1600.000	J
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.52	2600.000	JN
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.62	3400.000	JN
	UNKNOWN	4.84	2900.000	J
	UNKNOWN	5.22	3800.000	J
	UNKNOWN	5.32	1800.000	J
829-26-5	NAPHTHALENE,2,3,6-TRIMETHYL-	5.36	1700.000	JN
	UNKNOWN	5.87	3900.000	J
	UNKNOWN	6.35	4500.000	J
	UNKNOWN	12.72	2400.000	J
	UNKNOWN	13.03	3900.000	J

FILE NAME: EE023.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 19

Semivolatile Analysis Data - EE02Z
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
132-65-0	DIBENZOTHIOPHENE	6.64	500000.000	JN
610-48-0	ANTHRACENE,1-METHYL-	7.48	290000.000	JN
203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRENE	7.59	1400000.000	JN
885-66-3	BENZENE,1,1'-(1,3-BUTADIYNE-1,4-DIYL)B	8.51	1000000.000	JN
243-17-4	11H-BENZO[B]FLUORENE	9.16	490000.000	JN
238-84-6	11H-BENZO[A]FLUORENE	9.24	420000.000	JN
	UNKNOWN	10.05	370000.000	J
207-08-9	BENZO[K]FLUORANTHENE	11.83	350000.000	JN
192-97-2	BENZO[E]PYRENE	12.03	690000.000	JN
	UNKNOWN	13.73	330000.000	J
	UNKNOWN	14.93	290000.000	J

FILE NAME: EE023.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 20

Semivolatile Analysis Data - EE02J
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	4.84	1600.000	J
	UNKNOWN	5.22	1400.000	J
	UNKNOWN	5.54	2200.000	J
	UNKNOWN	5.88	3300.000	J
6416-39-3	1H-INDENE,2 3-DIHYDRO-1-METHYL-3-PHENY	6.28	4000.000	JN
	UNKNOWN	6.61	9300.000	J
	UNKNOWN	9.61	4000.000	J
	UNKNOWN	10.72	11000.000	J
53584-60-4	28-NOR-17,ALPHA,(H)-HOPANE	12.74	2700.000	JN
	UNKNOWN	13.05	4200.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 21

Semivolatile Analysis Data - EE02ZDL
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	7.58	730000.000	DJ
836-66-8	BENZENE,1,1'-(1,3-BUTADIYNE-1,4-DIYL)B	8.50	630000.000	DJN
192-97-2	BENZO[E]PYRENE	12.01	630000.000	DJN

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 22

Semivolatile Analysis Data - EE02N
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.40	380.000	J
	UNKNOWN	2.83	310.000	J
	UNKNOWN	3.05	150.000	J
	UNKNOWN	3.55	200.000	J
90-12-0	NAPHTHALENE,1-M[illegible]	4.03	190.000	JN
582-16-1	NAPHTHALENE,2,7-DIMETHYL-	4.53	370.000	JN
575-41-7	NAPHTHALENE,1,3-DIMETHYL-	4.62	730.000	JN
2131-41-[illegible]	NAPHTHALENE,1,4,5-TRIMETHYL-	5.38	300.000	JN
	UNKNOWN	6.37	710.000	J

FILE NAME EE02B.SDG DATE 12/11/2000 TIME 15:02 CADRE99 PAGE: 23

Semivolatile Analysis Data - EE02R
Tentatively Identified Compounds

CASE NO 28737 LABORATORY: AATSLA
SDG NO EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.17	2300.000	BJ
	UNKNOWN	2.34	150.000	J
	UNKNOWN	2.40	310.000	J
	UNKNOWN	2.83	180.000	J
	UNKNOWN	3.05	140.000	J
	UNKNOWN	3.54	150.000	J
	UNKNOWN	3.65	120.000	J
540-97-6	CYCLOHEXASILOXANE,DODECAMETHYL-	3.87	140.000	JN
	UNKNOWN	4.02	120.000	J
	UNKNOWN	4.12	110.000	J
575-43-9	NAPHTHALENE,1,6-DIMETHYL-	4.52	170.000	JN
575-41-7	NAPHTHALENE,1,3-DIMETHYL-	4.62	280.000	JN
	UNKNOWN	4.68	270.000	J
	UNKNOWN	5.31	120.000	J
829-26-5	NAPHTHALENE,2,3,6-TRIMETHYL-	5.36	110.000	JN
	UNKNOWN	7.64	320.000	J
192-97-2	BENZO[E]PYRENE	12.09	700.000	JN
53584-60-4	28-NOR-17,ALPHA,(H)-HOPANE	12.75	510.000	JN
57-88-5	CHOLESTEROL	12.96	980.000	JN
	UNKNOWN	13.06	730.000	J

DATE: January 12, 2001

TO: IEPA
1021 North Grand Avenue East
Springfield, IL 62702

Attn: Bob Casper

SITE NAME: WISCONSIN STEEL

CASE NO	LAB	NO # OF SAMPLES	SDG	MATRIX
28737	AATS	20	EE02B	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
JAN 19 2001
IEPA-BOL-FSRS

Sent By: Eva M. Dixon, ESAT

JAN 1 2 2001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on December 11, 2000

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: Wisconsin Steel (IL)

Case number: 28737 SDG Number: EE02B

Number and Type of Samples: 20 soil samples

Sample Numbers: EE02B-C, EE02E-H, EE02J-N, EE02P-T, EE02W-Z

Laboratory: AATS Hrs. for Review: _____

Following are our findings:

RECEIVED
JAN 1 9 2001
IEPA-BOL-FSRS

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

Case Number : 28737
Site Name: Wisconsin Steel (IL)

SDG Number: EE02B
Laboratory: AATS

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

Twenty soil samples (EE02B-C, EE02E-H, EE02J-N, EE02P-T, EE02W-Z) were collected on 11/13-14/2000. The laboratory received the samples on 11/15/2000 in good condition. All samples were analyzed for the list of Semivolatile and Pest/PCB analytes. All samples were analyzed according to CLP SOW OLMO4.2 5/99.

Reviewed By: Steffanie Tobin (Lockheed Martin/ESAT)
Date: January 08, 2001

Case Number : 28737
Site Name: Wisconsin Steel (IL)

SDG Number: EE02B
Laboratory: AATS

1. HOLDING TIME

No problems were found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found for this qualification.

3. CALIBRATION

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 "UJ".

4-Chloroaniline
EE02B, EE02BMS, EE02BMSD, EE02C, EE02E, EE02F, EE02G, EE02K, EE02L, SBLKFE

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "UJ".

4-Chloroaniline
EE02GDL, EE02H, EE02J, EE02M, EE02N, EE02P, EE02Q, EE02R, EE02S, EE02T, EE02W, EE02X, EE02Y, EE02YMS, EE02YMSD, EE02Z, EE02ZDL, SBLKFF, SBLKFH

The following semivolatile samples are associated with a continuing calibration relative response factor (RRF50) outside primary criteria. Hits are flagged "J" and non-detects are qualified "UJ".

4-Chloroaniline
EE02N, EE02R, EE02ZDL

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

Benzaldehyde, 4,6-Dinitro-2-methylphenol, Atrazine, Carbazole, Benzo(g,h,i)perylene
EE02J, EE02P, EE02W, EE02X, EE02Z, EE02ZDL

2,2'-oxybis(1-Chloropropane), N-Nitroso-di-n-propylamine, Caprolactam, Butylbenzylphthalate, Di-n-octylphthalate, Benzo(k)fluoranthene, Dibenz(a,h)anthracene
EE02N, EE02R

4-Chloroaniline
EE02GDL, EE02H, EE02J, EE02P, EE02S, EE02W, EE02X, EE02Z

Hexachlorocyclopentadiene

EE02GDL, EE02H, EE02J, EE02M, EE02P, EE02Q, EE02S, EE02T, EE02W, EE02X, EE02Y, EE02YMS, EE02YMSD, EE02Z, EE02ZDL, SBLKFF, SBLKFH

2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 4-Nitroaniline, N-Nitrosodiphenylamine
EE02ZDL

2,4,5-Trichlorophenol, Pentachlorophenol
EE02J, EE02P, EE02W, EE02X, EE02Z

4-Nitrophenol
EE02M, EE02N, EE02Q, EE02R, EE02T, EE02Y, EE02YMS, EE02YMSD, SBLKFF, SBLKFH

Hexachlorobenzene
EE02GDL, EE02H, EE02N, EE02R, EE02S

The RPD between the nominal and the calculated amount of an analyte in the midpoint INDA/INDB exceeded criteria. Hits are qualified "J" and non-detects are qualified "UJ".

EE02BMS, EE02BMSD, EE02C, EE02E, EE02F, EE02G, EE02H, EE02L, EE02M
4,4'-DDT

4. METHOD BLANKS

The following semivolatile 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.

bis(2-Ethylhexyl)phthalate
EE02B, EE02BMS, EE02BMSD, EE02F, EE02G, EE02H, EE02L, EE02N, EE02P, EE02R, EE02T

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.

EE02B, EE02C, EE02E, EE02G, EE02H, EE02JDL, EE02K, EE02L, EE02P, EE02T, EE02WDL
Methoxychlor

EE02R, EE02XDL, EE02ZDL
alpha-Chlordane

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following semivolatile samples have surrogate recoveries of less than 10% and a dilution factor which exceeds criteria. Hits and non-detects are not flagged due to sample dilution.

EE02P, EE02Z, EE02ZDL

The following semivolatile samples have surrogate recoveries above the QC limits. Hits and non-detects are not flagged due to sample dilution.

EE02ZDL

The following semivolatile samples have two or more base/neutral surrogate recoveries below the lower limit of the criteria window and greater than 10%. Hits non-detects are not flagged due to sample dilution.

EE02J

The following semivolatile samples have two or more acid surrogate recoveries below the lower limit of the criteria window and greater than 10%. Hits non-detects are not flagged due to sample dilution.

EE02J

The following semivolatile samples have a base/neutral surrogate recovery below the QC limits. Hits and non-detects are not flagged since the protocol allows at least two surrogates in either base/newtral or acid fraction to be out of control before a reanalysis or qualification is required.

EE02M, EE02Q, SBLKFF, SBLKFH

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.

EE02G, EE02K, EE02X, EE02Y

The following pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window. Hits and non-detects are not flagged due to sample dilution.

EE02Z, EE02XDL, EE02YDL, EE02ZDL, EE02WDL

The following diluted pesticide samples have surrogate percent recoveries of less than 10%. Hits and non-detects are not flagged due to sample dilution.

EE02ZDL

The following undiluted pesticide samples have surrogate percent recoveries of less than 10%. Hits are qualified "J" and non-detects are qualified "R".

EE02H

The following pesticide samples have surrogate percent recoveries outside the lower limit of the criteria

window, but greater than 10%. Hits are qualified "J" and non-detects are qualified "UJ".

EE02T

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Hits are qualified "J" and non-detects are qualified "UJ" for the unspiked sample.

EE02YMS, EE02YMSD
Acenaphthene, 4-Nitrophenol, Pyrene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery below the QC limits. Hits are qualified "J" and non-detects are qualified "UJ" for the unspiked sample.

EE02BMSD
Pyrene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limits. Hits and non-detects are flagged above.

EE02YMSD
Pyrene

The relative percent difference (RPD) between the following pesticide matrix spike and matrix spike duplicate recoveries is outside criteria. Hits are qualified "J" and non-detects are qualified "UJ" for the unspiked sample

EE02BMS, EE02BMSD
4,4'-DDT

7. FIELD BLANK AND FIELD DUPLICATE

None of the samples in this data set are field duplicates or field blanks.

8. INTERNAL STANDARDS

No problems were found for this qualification.

9. COMPOUND IDENTIFICATION

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

Reviewed By: Steffanie Tobin (Lockheed Martin/ESAT)
Date: January 08, 2001

Case Number : 28737 **SDG Number: EE02B**
Site Name: Wisconsin Steel (IL) **Laboratory: AATS**

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

EE02B
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EE02BMS
Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluorene, Pentachlorophenol, Phenanthrene, Anthracene, Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EE02BMSD
Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluorene, Pentachlorophenol, Phenanthrene, Anthracene, Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EE02C
Naphthalene, 2-Methylnaphthalene, Phenanthrene

EE02F
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Pentachlorophenol, Anthracene, Carbazole, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

EE02G
1,1'-Biphenyl , Acenaphthylene, Carbazole, Dibenz(a,h)anthracene

EE02GDL
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02H
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Phenanthrene, 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

EE02J
Naphthalene, Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

EE02K
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(k)fluoranthene, Benzo(a)pyrene

EE02L
1,1'-Biphenyl , Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Carbazole, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene

EE02M
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Benzo(a)anthracene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02N
2-Methylnaphthalene, 1,1'-Biphenyl , Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Benzo(b)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02P
Naphthalene, 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

EE02Q
4-Methylphenol, 2,4-Dimethylphenol, Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Fluorene, Phenanthrene, Anthracene, bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02R
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Phenanthrene, 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

EE02S
Naphthalene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo(g,h,i)perylene

EE02T
Naphthalene, 2-Methylnaphthalene, 1,1'-Biphenyl , Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02W
2-Methylnaphthalene, Acenaphthylene, Acenaphthene, 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

EE02X
Naphthalene, 2-Methylnaphthalene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo(g,h,i)perylene

EE02Y
2-Methylnaphthalene, Acenaphthylene, Dibenzofuran, Fluorene, Anthracene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02YMS
2-Methylnaphthalene, Acenaphthylene, Dibenzofuran, Fluorene, bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02YMSD
2-Methylnaphthalene, Acenaphthylene, Dibenzofuran, Carbazole, bis(2-Ethylhexyl)phthalate, Benzo(g,h,i)perylene

EE02Z
2-Methylnaphthalene, 1,1'-Biphenyl , Acenaphthylene, Carbazole, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE02ZDL
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Carbazole, 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

SBLKFE
bis(2-Ethylhexyl)phthalate

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

EE02B
alpha-BHC, Dieldrin, 4,4'-DDD, Endrin ketone

EE02BMS
beta-BHC, Endosulfan I, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, gamma-Chlordane

EE02BMSD
4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02F
gamma-BHC (Lindane), Dieldrin, 4,4'-DDT, Endrin ketone

EE02G
Dieldrin, Endosulfan II, Endrin ketone, alpha-Chlordane

EE02H
Heptachlor epoxide, Dieldrin, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT

EE02J
alpha-BHC

EE02JDL
beta-BHC, Heptachlor epoxide, Endosulfan I, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, alpha-Chlordane

EE02L
Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02M
Aldrin, Heptachlor epoxide, 4,4'-DDD, Methoxychlor

EE02N
alpha-BHC, Aldrin, Heptachlor epoxide, 4,4'-DDD, Methoxychlor

EE02P
4,4'-DDD

EE02Q
alpha-BHC, Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Methoxychlor, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02R
Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02S
Endosulfan II, Methoxychlor

EE02T
Aroclor-1254

EE02W
alpha-BHC, Aldrin

EE02WDL
beta-BHC, Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde

Case Number : 28737
Site Name: Wisconsin Steel (IL)

SDG Number: EE02B
Laboratory: AATS

EE02X
alpha-BHC, Endosulfan I

EE02XDL
beta-BHC, Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02YDL
Heptachlor, Heptachlor epoxide, Dieldrin, Endosulfan II, 4,4'-DDT, Methoxychlor

EE02Z
4,4'-DDE, Endrin, 4,4'-DDT, alpha-Chlordane

EE02ZDL
4,4'-DDD

PBLK1
Methoxychlor, alpha-Chlordane

The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria. Hits are qualified "J".

EE02B
Dieldrin

EE02BMS
beta-BHC, Heptachlor, Endosulfan I, 4,4'-DDE, Endrin ketone, gamma-Chlordane

EE02BMSD
Heptachlor, 4,4'-DDE, Endrin ketone, Endrin aldehyde, gamma-Chlordane

EE02G
alpha-Chlordane

EE02J
alpha-BHC, beta-BHC, Heptachlor epoxide, Endosulfan I, 4,4'-DDD, Endosulfan sulfate, Methoxychlor, gamma-Chlordane, Aroclor-1254

EE02JDL
beta-BHC, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane, Aroclor-1242

EE02L
Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, gamma-Chlordane, Aroclor-1242

EE02M
beta-BHC, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Methoxychlor, Endrin ketone, alpha-Chlordane, gamma-Chlordane, Aroclor-1242

EE02N
beta-BHC, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Methoxychlor, Endrin ketone, alpha-Chlordane, gamma-Chlordane, Aroclor-1242

EE02P
Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin aldehyde, gamma-Chlordane, Aroclor-1242

EE02Q
Dieldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan sulfate, Methoxychlor, Endrin ketone, Endrin aldehyde, gamma-Chlordane, Aroclor-1242, Aroclor-1254

EE02R
Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane, Aroclor-1242

EE02S
alpha-BHC, beta-BHC, Aldrin, Heptachlor epoxide, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin aldehyde, gamma-Chlordane, Aroclor-1242, Aroclor-1254

EE02T
Aroclor-1242

EE02W
alpha-BHC, beta-BHC, Aldrin, Heptachlor epoxide, Endosulfan I, Endosulfan sulfate, gamma-Chlordane, Aroclor-1242

EE02WDL
beta-BHC, Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane, Aroclor-1242

EE02X
alpha-BHC, Heptachlor epoxide, Endosulfan I, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, gamma-Chlordane, Aroclor-1242, Aroclor-1254

EE02XDL
Dieldrin, 4,4'-DDE, Endrin aldehyde, gamma-Chlordane, Aroclor-1242, Aroclor-1254

EE02Y
Aldrin, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, 4,4'-DDT, Methoxychlor, Endrin ketone, gamma-Chlordane, Aroclor-1242, Aroclor-1254

Case Number : 28737
Site Name: Wisconsin Steel (IL)

SDG Number: EE02B
Laboratory: AATS

EE02YDL
Beta-BHC, Heptachlor, Heptachlor epoxide, Dieldrin, 4,4'-DDE, Endosulfan II, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone

EE02Z
beta-BHC, 4,4'-DDE, Endrin, Endosulfan II, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

PBLK1
alpha-Chlordane

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

For the SVOA fraction, the results of Naphthalene for EE02YMS and EE02YMSD were quantitated outside the calibration range. The results of 4-Nitrophenol, Phenanthrene, Fluoranthene, Pyrene for EE02YMSD were quantitated outside the calibration range. No dilutions were made for these samples since these samples were used for QC purpose only.

For the SVOA fraction, the following samples have analytes which were quantitated outside the calibration range:

-EE02G: Phenanthrene, Fluoranthene, Pyrene
-EE02Z: Phenanthrene

For the Pest/PCB fraction, the following samples have analytes which were quantitated outside the calibration range:

-EE02J: Endrin, 4,4'-DDT
-EE02W: 4,4'-DDT
-EE02Y: Aldrin, Endrin Ketone

For the analyte that exceeded the calibration range in the original sample analysis; the results of the diluted analysis should be considered the sample's analyte concentration.

Incorrect results were reported on CADRE report for Aroclor-1242 & Aroclor-1254 of EE02J and Aroclor-1242 of EE02Y. Corrections were made by the reviewer.

The QC Forms and raw data for the Pest/PCB fraction were not included in the data package. The reviewer used the results from the CADRE report for blank correction and any other correction.

Reviewed By: Steffanie Tobin (Lockheed Martin/ESAT)
Date: January 08, 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.
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)
H	Sample result is estimated and biased high.
L	Sample result is estimated and biased low.

Semivolatile Analysis Data - SBLKFE
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.23	120.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 1

Semivolatile Analysis Data - EE02B
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.85	120.000	J
	UNKNOWN	3.07	210.000	J
	UNKNOWN	3.51	98.000	J
	UNKNOWN	3.56	170.000	J
	UNKNOWN	3.60	94.000	J
	UNKNOWN	3.63	100.000	J
	UNKNOWN	4.45	94.000	J
575-43-9	NAPHTHALENE,1,6-DIMETHYL-	4.55	140.000	JN
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.64	280.000	JN
	UNKNOWN	4.81	130.000	J
	UNKNOWN	4.86	130.000	J
829-26-5	NAPHTHALENE,2,3,6-TRIMETHYL-	5.28	100.000	JN
	UNKNOWN	6.35	160.000	J
	UNKNOWN	6.51	110.000	J
613-12-7	ANTHRACENE,2-METHYL-	7.50	130.000	JN
57-10-3	HEXADECANOICACID	7.64	540.000	JN
	UNKNOWN	8.22	140.000	J
	UNKNOWN	9.90	520.000	J
239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPHENE	10.01	96.000	JN
3697-24-3	CHRYSENE,5-METHYL-	10.90	260.000	JN
192-97-2	BENZO[E]PYRENE	12.05	160.000	JN
53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	12.74	140.000	JN
	UNKNOWN	13.05	260.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 2

Semivolatile Analysis Data - EE02C
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	1.96	95.000	J
	UNKNOWN	2.10	130.000	J
	UNKNOWN	2.15	150.000	J
	UNKNOWN	2.85	170.000	J
	UNKNOWN	3.07	210.000	J
95-93-2	BENZENE,1,2,4,5-TETRAMETHYL-	3.20	91.000	JN
	UNKNOWN	3.51	170.000	J
	UNKNOWN	3.56	270.000	J
	UNKNOWN	3.63	100.000	J
	UNKNOWN	3.89	250.000	J
475-03-6	NAPHTHALENE,1,2,3,4-TETRAHYDRO-1,1,6-T	4.25	140.000	JN
	UNKNOWN	4.45	170.000	J
	UNKNOWN	4.81	160.000	J
54789-45-6	3-BUTEN-2-ONE,1-(2,3,6-TRIMETHYLPHENYL	5.20	98.000	JN
	UNKNOWN	5.24	140.000	J
	UNKNOWN	5.28	91.000	J
	UNKNOWN	5.45	98.000	J
	UNKNOWN	6.36	140.000	J
529-05-5	AZULENE,7-ETHYL-1,4-DIMETHYL-	6.50	110.000	JN
	UNKNOWN	8.47	130.000	J
	UNKNOWN	8.77	99.000	J
	UNKNOWN	9.89	180.000	J
	UNKNOWN	12.64	100.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 3

Semivolatile Analysis Data - EE02E
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.15	110.000	J
	UNKNOWN	2.85	98.000	J
	UNKNOWN	3.07	190.000	J
95-93-2	BENZENE,1,2,4,5-TETRAMETHYL-	3.19	94.000	JN
	UNKNOWN	3.50	130.000	J
	UNKNOWN	3.56	260.000	J
	UNKNOWN	3.60	150.000	J
	UNKNOWN	3.63	95.000	J
540-97-6	CYCLOHEXASILOXANE,DODECAMETHYL-	3.89	190.000	JN
475-03-6	NAPHTHALENE,1,2,3,4-TETRAHYDRO-1,1,6-T	4.25	98.000	JN
	UNKNOWN	4.45	120.000	J
	UNKNOWN	4.81	120.000	J
	UNKNOWN	6.21	83.000	J
529-05-5	AZULENE,7-ETHYL-1,4-DIMETHYL-	6.50	98.000	JN
	UNKNOWN	7.62	82.000	J
	UNKNOWN	7.84	110.000	J
	UNKNOWN	8.76	100.000	J
	UNKNOWN	9.89	650.000	J

FILE NAME: EE02E.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 4

Semivolatile Analysis Data - EE02F
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.15	220.000	J
	UNKNOWN	2.37	170.000	J
	UNKNOWN	2.76	130.000	J
	UNKNOWN	2.85	270.000	J
541-02-6	CYCLOPENTASILOXANE,DECAMETHYL-	3.07	350.000	JN
	UNKNOWN	3.12	120.000	J
	UNKNOWN	3.20	120.000	J
54120-62-6	BENZENE,ETHYL-1,2,4-TRIMETHYL-	3.51	260.000	JN
	UNKNOWN	3.57	320.000	J
	UNKNOWN	3.61	150.000	J
	UNKNOWN	3.63	220.000	J
475-03-6	NAPHTHALENE,1,2,3,4-TETRAHYDRO-1,1,6-T	4.25	210.000	JN
	UNKNOWN	4.45	300.000	J
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.63	120.000	JN
	UNKNOWN	5.34	110.000	J
	UNKNOWN	5.45	210.000	J
	UNKNOWN	6.36	140.000	J
	UNKNOWN	6.41	110.000	J
	UNKNOWN	6.51	200.000	J
	UNKNOWN	7.10	130.000	J
	UNKNOWN	7.61	190.000	J
	UNKNOWN	7.64	230.000	J
3674-66-6	PHENANTHRENE,2,5-DIMETHYL-	8.22	130.000	JN
	UNKNOWN	8.49	120.000	J
	UNKNOWN	8.78	120.000	J
	UNKNOWN	9.90	280.000	J
	UNKNOWN	13.05	220.000	J

Semivolatile Analysis Data - EE02G
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.56	120.000	J
575-43-9	NAPHTHALENE,1,6-DIMETHYL-	4.55	300.000	JN
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.64	470.000	JN
2131-42-2	NAPHTHALENE,1,4,6-TRIMETHYL-	5.29	240.000	JN
829-26-5	NAPHTHALENE,2,3,6-TRIMETHYL-	5.39	180.000	JN
	UNKNOWN	5.56	140.000	J
610-48-0	ANTHRACENE,1-METHYL-	7.52	110.000	JN
	UNKNOWN	7.64	280.000	J
243-17-4	11H-BENZO[B]FLUORENE	9.32	230.000	JN
	UNKNOWN	10.69	110.000	J
3351-28-8	CHRYSENE,1-METHYL-	10.95	100.000	JN
207-08-9	BENZO[K]FLUORANTHENE	11.91	880.000	JN
207-08-9	BENZO[K]FLUORANTHENE	12.11	1200.000	JN
	UNKNOWN	13.48	220.000	J
	UNKNOWN	13.52	310.000	J
	UNKNOWN	14.99	200.000	J

Semivolatile Analysis Data - EE02K
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE023

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.09	110.000	J
	UNKNOWN	2.15	89.000	J
	UNKNOWN	2.85	86.000	J
541-02-6	CYCLOPENTASILOXANE,DECAMETHYL-	3.07	190.000	JN
	UNKNOWN	3.51	100.000	J
	UNKNOWN	3.56	190.000	J
	UNKNOWN	3.59	160.000	J
540-97-6	CYCLOHEXASILOXANE,DODECAMETHYL-	3.90	200.000	JN
475-03-6	NAPHTHALENE,1,2,3,4-TETRAHYDRO-1,1,6-T	4.24	93.000	JN
	UNKNOWN	4.45	120.000	J
	UNKNOWN	4.81	140.000	J
	UNKNOWN	7.62	130.000	J
	UNKNOWN	7.83	160.000	J
18108-56-0	AZEPINO[3,2,1-HI]INDOLE,8-ETHYL-4,5,6,	8.47	98.000	JN
	UNKNOWN	8.77	85.000	J
	UNKNOWN	9.89	640.000	J
	UNKNOWN	13.04	97.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 7

Semivolatile Analysis Data - EE02L
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE023

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.10	280.000	J
	UNKNOWN	2.15	220.000	J
	UNKNOWN	2.35	300.000	J
	UNKNOWN	2.76	190.000	J
	UNKNOWN	2.85	400.000	J
	UNKNOWN	3.07	210.000	J
	UNKNOWN	3.56	240.000	J
	UNKNOWN	3.89	170.000	J
264-09-5	BENZOCYCLOHEPTATRIENE	4.05	210.000	JN
	UNKNOWN	4.25	160.000	J
	UNKNOWN	4.45	190.000	J
582-16-	NAPHTHALENE,2,7-DIMETHYL-	4.55	450.000	JN
571-61-9	NAPHTHALENE,1,5-DIMETHYL-	4.64	960.000	JN
581-40-8	NAPHTHALENE,2,3-DIMETHYL-	4.76	160.000	JN
2131-42 2	NAPHTHALENE,1,4,6-TRIMETHYL-	5.29	190.000	JN
	UNKNOWN	5.34	220.000	J
2131-42 2	NAPHTHALENE,1,4,6-TRIMETHYL-	5.39	240.000	JN
7320-53 8	DIBENZOFURAN,4-METHYL-	5.85	250.000	JN
	UNKNOWN	6.37	430.000	J
	UNKNOWN	6.63	430.000	J
	UNKNOWN	6.68	280.000	J
613-12-	ANTHRACENE,2-METHYL-	7.52	970.000	JN
	UNKNOWN	7.64	990.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 8

Semivolatile Analysis Data - EE02T
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.84	180.000	J
	UNKNOWN	3.06	250.000	J
	UNKNOWN	3.56	210.000	J
90-12-0	NAPHTHALENE,1-METHYL-	4.03	170.000	JN
575-37-1	NAPHTHALENE,1,7-DIMETHYL-	4.54	240.000	JN
575-41-7	NAPHTHALENE,1,3-DIMETHYL-	4.63	620.000	JN
	UNKNOWN	6.36	200.000	J
	UNKNOWN	7.62	410.000	J
	UNKNOWN	12.77	1100.000	J
57-88-5	CHOLESTEROL	12.97	2600.000	JN
	UNKNOWN	13.08	1500.000	J

Semivolatile Analysis Data - SBLKFF
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.06	290.000	J
540-97-6	CYCLOHEXASILOXANE,DODECAMETHYL-	3.88	130.000	JN
	UNKNOWN	8.26	78.000	J
	UNKNOWN	9.71	76.000	J
	UNKNOWN	9.88	150.000	J

Semivolatile Analysis Data - EE02M
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.22	210.000	J
	UNKNOWN	2.85	230.000	J
	UNKNOWN	3.56	220.000	J
	UNKNOWN	3.79	200.000	J
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.54	230.000	JN
	UNKNOWN	4.65	490.000	J
	UNKNOWN	5.28	220.000	J
829-26-5	NAPHTHALENE,2,3,6-TRIMETHYL-	5.38	150.000	JN
	UNKNOWN	5.44	280.000	J
	UNKNOWN	13.11	1300.000	J

Semivolatile Analysis Data - EE02Q
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.22	170.000	J
	UNKNOWN	4.54	120.000	J
	UNKNOWN	4.64	420.000	J
	UNKNOWN	5.20	110.000	J
	UNKNOWN	5.23	250.000	J
829-26-5	NAPHTHALENE,2,3,6-TRIMETHYL-	5.38	140.000	JN
	UNKNOWN	7.63	310.000	J
	UNKNOWN	12.77	910.000	J
	UNKNOWN	13.08	1300.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 12

Semivolatile Analysis Data - EE02Y
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.05	5000.000	J
	UNKNOWN	3.06	3800.000	J
	UNKNOWN	4.64	3300.000	J
	UNKNOWN	5.56	5300.000	J
	UNKNOWN	6.17	8400.000	J
	UNKNOWN	6.31	5400.000	J
	UNKNOWN	7.64	23000.000	J
	UNKNOWN	12.75	31000.000	J
36728-72-0	28-NOR-17.BETA.(H)-HOPANE	13.06	26000.000	JN

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 13

Semivolatile Analysis Data - EE02S
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.56	1200.000	J
	UNKNOWN	3.66	1300.000	J
	UNKNOWN	4.09	1100.000	J
575-37-1	NAPHTHALENE,1,7-DIMETHYL-	4.64	3700.000	JN
	UNKNOWN	4.85	2600.000	J
	UNKNOWN	5.19	2900.000	J
	UNKNOWN	5.33	2100.000	J
829-26-5	NAPHTHALENE,2,3,6-TRIMETHYL-	5.38	1700.000	JN
	UNKNOWN	6.48	2700.000	J
	UNKNOWN	12.74	2500.000	J
	UNKNOWN	13.05	4500.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 14

Semivolatile Analysis Data - EE02GDL
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
571-61-9	NAPHTHALENE,1,5-DIMETHYL-	4.53	500.000	DJN
581-40-8	NAPHTHALENE,2,3-DIMETHYL-	4.63	840.000	DJN
	UNKNOWN	6.35	440.000	DJ
	UNKNOWN	7.46	440.000	DJ
610-48-0	ANTHRACENE,1-METHYL-	7.50	730.000	DJN
832-64-4	PHENANTHRENE,4-METHYL-	7.55	490.000	DJN
	UNKNOWN	7.61	1100.000	DJ
	UNKNOWN	8.51	500.000	DJ
243-17-4	11H-BENZO[B]FLUORENE	9.18	540.000	DJN
243-17-4	11H-BENZO[B]FLUORENE	9.26	460.000	DJN
	UNKNOWN	11.85	640.000	DJ
207-08-9	BENZO[K]FLUORANTHENE	12.05	920.000	DJN

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 15

Semivolatile Analysis Data - EE02H
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.06	600.000	J
	UNKNOWN	3.55	630.000	J
	UNKNOWN	3.62	610.000	J
	UNKNOWN	4.63	720.000	J
	UNKNOWN	4.86	1100.000	J
	UNKNOWN	5.55	950.000	J
	UNKNOWN	6.14	49000.000	J
	UNKNOWN	6.20	2600.000	J
6416-39-3	1H-INDENE,2,3-DIHYDRO-1-METHYL-3-PHENY	6.29	3200.000	JN
	UNKNOWN	6.63	6800.000	J
	UNKNOWN	9.63	2000.000	J
	UNKNOWN	10.75	5500.000	J
	UNKNOWN	12.78	5500.000	J
	UNKNOWN	13.10	13000.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 16

Semivolatile Analysis Data - EE02P
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	13.03	3200.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 17

Semivolatile Analysis Data - EE02W
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	4.62	1500.000	J
	UNKNOWN	5.22	2800.000	J
13540-55-2	BENZENE,1,2-DIMETHYL-4-(PHENYLMETHYL)-	5.54	2400.000	JN
	UNKNOWN	5.61	13000.000	J
	UNKNOWN	6.12	50000.000	J
	UNKNOWN	6.18	3900.000	J
	UNKNOWN	6.27	1700.000	J
	UNKNOWN	6.51	5700.000	J
	UNKNOWN	6.61	5100.000	J
	UNKNOWN	7.30	3900.000	J
	UNKNOWN	10.71	6900.000	J
	UNKNOWN	13.05	4500.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 18

Semivolatile Analysis Data - EE02X
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	4.20	1600.000	J
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.52	2600.000	JN
581-42-0	NAPHTHALENE,2,6-DIMETHYL-	4.62	3400.000	JN
	UNKNOWN	4.84	2900.000	J
	UNKNOWN	5.22	3800.000	J
	UNKNOWN	5.32	1800.000	J
829-26-5	NAPHTHALENE,2,3,6-TRIMETHYL-	5.36	1700.000	JN
	UNKNOWN	5.87	3900.000	J
	UNKNOWN	6.35	4500.000	J
	UNKNOWN	12.72	2400.000	J
	UNKNOWN	13.03	3900.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 19

Semivolatile Analysis Data - EE02Z
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
132-65-0	DIBENZOTHIOPHENE	6.64	500000.000	JN
610-48-0	ANTHRACENE,1-METHYL-	7.48	290000.000	JN
203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRENE	7.59	1400000.000	JN
836-66-3	BENZENE,1,1'-(1,3-BUTADIYNE-1,4-DIYL)B	8.51	1000000.000	JN
243-17-4	11H-BENZO[B]FLUORENE	9.16	490000.000	JN
238-84-6	11H-BENZO[A]FLUORENE	9.24	420000.000	JN
	UNKNOWN	10.05	370000.000	J
207-08-9	BENZO[K]FLUORANTHENE	11.83	350000.000	JN
192-97-2	BENZO[E]PYRENE	12.03	690000.000	JN
	UNKNOWN	13.73	330000.000	J
	UNKNOWN	14.93	290000.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 20

Semivolatile Analysis Data - EE02J
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	4.84	1600.000	J
	UNKNOWN	5.22	1400.000	J
	UNKNOWN	5.54	2200.000	J
	UNKNOWN	5.88	3300.000	J
6416-39-3	1H-INDENE,2,3-DIHYDRO-1-METHYL-3-PHENY	6.28	4000.000	JN
	UNKNOWN	6.61	9300.000	J
	UNKNOWN	9.61	4000.000	J
	UNKNOWN	10.72	11000.000	J
53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	12.74	2700.000	JN
	UNKNOWN	13.05	4200.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 21

Semivolatile Analysis Data - EE02ZDL
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	7.58	730000.000	DJ
886-66-8	BENZENE,1,1'-(1,3-BUTADIYNE-1,4-DIYL)B	8.50	630000.000	DJN
192-97-2	BENZO[E]PYRENE	12.01	630000.000	DJN

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 22

Semivolatile Analysis Data - EE02N
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.40	380.000	J
	UNKNOWN	2.83	310.000	J
	UNKNOWN	3.05	150.000	J
	UNKNOWN	3.55	200.000	J
90-12-0	NAPHTHALENE,1-METHYL-	4.03	190.000	JN
582-16-1	NAPHTHALENE,2,7-DIMETHYL-	4.53	370.000	JN
575-41-7	NAPHTHALENE,1,3-DIMETHYL-	4.62	730.000	JN
2131-41-1	NAPHTHALENE,1,4,5-TRIMETHYL-	5.38	300.000	JN
	UNKNOWN	6.37	710.000	J

FILE NAME: EE02B.SDG DATE: 12/11/2000 TIME: 15:02 CADRE99 PAGE: 23

Semivolatile Analysis Data - EE02R
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE02B

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.17	2300.000	BJ
	UNKNOWN	2.34	150.000	J
	UNKNOWN	2.40	310.000	J
	UNKNOWN	2.83	180.000	J
	UNKNOWN	3.05	140.000	J
	UNKNOWN	3.54	150.000	J
	UNKNOWN	3.65	120.000	J
540-97-[illegible]	CYCLOHEXASILOXANE,DODECAMETHYL-	3.87	140.000	JN
	UNKNOWN	4.02	120.000	J
	UNKNOWN	4.12	110.000	J
575-43-[illegible]	NAPHTHALENE,1,6-DIMETHYL-	4.52	170.000	JN
575-41-	NAPHTHALENE,1,3-DIMETHYL-	4.62	280.000	JN
	UNKNOWN	4.68	270.000	J
	UNKNOWN	5.31	120.000	J
829-26-[illegible]	NAPHTHALENE,2,3,6-TRIMETHYL-	5.36	110.000	JN
	UNKNOWN	7.64	320.000	J
192-97-[illegible]	BENZO[E]PYRENE	12.09	700.000	JN
53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	12.75	510.000	JN
57-88-5	CHOLESTEROL	12.96	980.000	JN
	UNKNOWN	13.06	730.000	J

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL Number of Soil Samples : 20
Lab. : AATSLA Number of Water Samples : 0
Reviewer : S. Tobin
Date : 01/08/2001

Sample Number :	EE02B		EE02BMS		EE02BMSD		EE02C		EE02E	
Sampling Location :	X201		X201		X201		X202		X203	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/13/2000		11/13/2000		11/13/2000		11/13/2000		11/13/2000	
Time Sampled :	13:00		13:00		13:00		13:30		14:00	
%Moisture :	28		28		28		23		18	
pH :	7.8		7.8		7.8		8.6		8.0	
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	460	U	460	U	460	U	430	U	400	U
Phenol	460	U	1600		1400		430	U	400	U
bis-(2-Chloroethyl) ether	460	U	460	U	460	U	430	U	400	U
2-Chlorophenol	460	U	1600		1400		430	U	400	U
2-Methylphenol	460	U	460	U	460	U	430	U	400	U
2,2'-oxybis(1-Chloropropane)	460	U	460	U	460	U	430	U	400	U
Acetophenone	460	U	460	U	460	U	430	U	400	U
4-Methylphenol	460	U	460	U	460	U	430	U	400	U
N-Nitroso-di-n-propylamine	460	U	1100		960		430	U	400	U
Hexachloroethane	460	U	460	U	460	U	430	U	400	U
Nitrobenzene	460	U	460	U	460	U	430	U	400	U
Isophorone	460	U	460	U	460	U	430	U	400	U
2-Nitrophenol	460	U	460	U	460	U	430	U	400	U
2,4-Dimethylphenol	460	U	460	U	460	U	430	U	400	U
bis(2-Chloroethoxy)methane	460	U	460	U	460	U	430	U	400	U
2,4-Dichlorophenol	460	U	460	U	460	U	430	U	400	U
Naphthalene	150	J	150	J	130	J	94	J	400	U
4-Chloroaniline	460	UJ	460	UJ	460	UJ	430	UJ	400	UJ
Hexachlorobutadiene	460	U	460	U	460	U	430	U	400	U
Caprolactam	460	U	460	U	460	U	430	U	400	U
4-Chloro-3-methylphenol	460	U	1800		1500		430	U	400	U
2-Methylnaphthalene	140	J	190	J	170	J	62	J	400	U
Hexachlorocyclopentadiene	460	U	460	U	460	U	430	U	400	U
2,4,6-Trichlorophenol	460	U	460	U	460	U	430	U	400	U
2,4,5-Trichlorophenol	1200	U	1200	U	1200	U	1100	U	1000	U
1,1'-Biphenyl	460	U	460	U	460	U	430	U	400	U
2-Chloronaphthalene	460	U	460	U	460	U	430	U	400	U
2-Nitroaniline	1200	U	1200	U	1200	U	1100	U	1000	U
Dimethylphthalate	460	U	460	U	460	U	430	U	400	U
2,6-Dinitrotoluene	460	U	460	U	460	U	430	U	400	U
Acenaphthylene	460	U	460	U	460	U	430	U	400	U
3-Nitroaniline	1200	U	1200	U	1200	U	1100	U	1000	U
Acenaphthene	47	J	1100		950		430	U	400	U

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02B		EE02BMS		EE02BMSD		EE02C		EE02E	
Sampling Location :	X201		X201		X201		X202		X203	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/13/2000		11/13/2000		11/13/2000		11/13/2000		11/13/2000	
Time Sampled :	13:00		13:00		13:00		13:30		14:00	
%Moisture :	28		28		28		23		18	
pH :	7.8		7.8		7.8		8.6		8.0	
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	1200	U	1200	U	1200	U	1100	U	1000	U
4-Nitrophenol	1200	U	1800		1500		1100	U	1000	U
Dibenzofuran	46	J	56	J	49	J	430	U	400	U
2,4-Dinitrotoluene	460	U	1000		1000		430	U	400	U
Diethylphthalate	460	U	460	U	460	U	430	U	400	U
Fluorene	78	J	80	J	63	J	430	U	400	U
4-Chlorophenyl-phenyl ether	460	U	460	U	460	U	430	U	400	U
4-Nitroaniline	1200	U	1200	U	1200	U	1100	U	1000	U
4,6-Dinitro-2-methylphenol	1200	U	1200	U	1200	U	1100	U	1000	U
N-Nitrosodiphenylamine	460	U	460	U	460	U	430	U	400	U
4-Bromophenyl-phenylether	460	U	460	U	460	U	430	U	400	U
Hexachlorobenzene	460	U	460	U	460	U	430	U	400	U
Atrazine	460	U	460	U	460	U	430	U	400	U
Pentachlorophenol	1200	U	780	J	880	J	1100	U	1000	U
Phenanthrene	330	J	400	J	270	J	73	J	400	U
Anthracene	110	J	110	J	80	J	430	U	400	U
Carbazole	460	U	460	U	460	U	430	U	400	U
Di-n-butylphthalate	460	U	460	U	460	U	430	U	400	U
Fluoranthene	390	J	430	J	290	J	430	U	400	U
Pyrene	400	J	1400		1100		430	U	400	U
Butylbenzylphthalate	460	U	460	U	460	U	430	U	400	U
3,3'-Dichlorobenzidine	460	U	460	U	460	U	430	U	400	U
Benzo(a)anthracene	260	J	330	J	240	J	430	U	400	U
Chrysene	320	J	420	J	290	J	430	U	400	U
bis(2-Ethylhexyl)phthalate	460	U	460	U	460	U	430	U	400	U
Di-n-octylphthalate	460	U	460	U	460	U	430	U	400	U
Benzo(b)fluoranthene	230	J	270	J	180	J	430	U	400	U
Benzo(k)fluoranthene	120	J	140	J	110	J	430	U	400	U
Benzo(a)pyrene	300	J	380	J	270	J	430	U	400	U
Indeno(1,2,3-cd)pyrene	130	J	140	J	110	J	430	U	400	U
Dibenzo(a,h)anthracene	86	J	100	J	76	J	430	U	400	U
Benzo(g,h,i)perylene	210	J	220	J	170	J	430	U	400	U

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02F		EE02G		EE02GDL		EE02H		EE02J	
Sampling Location :	X213		X214		X214		X221		X222	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/13/2000		11/13/2000		11/13/2000		11/13/2000		11/14/2000	
Time Sampled :	14:15		14:45		14:45		15:00		08:30	
%Moisture :	21		22		22		39		46	
pH :	8.0		7.8		7.8		7.8		7.6	
Dilution Factor :	1.0		1.0		5.0		5.0		10.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	420	U	420	U	2100	U	2700	U	6100	UJ
Phenol	420	U	420	U	2100	U	2700	U	6100	U
bis-(2-Chloroethyl) ether	420	U	420	U	2100	U	2700	U	6100	U
2-Chlorophenol	420	U	420	U	2100	U	2700	U	6100	U
2-Methylphenol	420	U	420	U	2100	U	2700	U	6100	U
2,2'-oxybis(1-Chloropropane)	420	U	420	U	2100	U	2700	U	6100	U
Acetophenone	420	U	420	U	2100	U	2700	U	6100	U
4-Methylphenol	420	U	420	U	2100	U	2700	U	6100	U
N-Nitroso-di-n-propylamine	420	U	420	U	2100	U	2700	U	6100	U
Hexachloroethane	420	U	420	U	2100	U	2700	U	6100	U
Nitrobenzene	420	U	420	U	2100	U	2700	U	6100	U
Isophorone	420	U	420	U	2100	U	2700	U	6100	U
2-Nitrophenol	420	U	420	U	2100	U	2700	U	6100	U
2,4-Dimethylphenol	420	U	420	U	2100	U	2700	U	6100	U
bis(2-Chloroethoxy)methane	420	U	420	U	2100	U	2700	U	6100	U
2,4-Dichlorophenol	420	U	420	U	2100	U	2700	U	6100	U
Naphthalene	190	J	2300		1800	J	1000	J	980	J
4-Chloroaniline	420	UJ	420	UJ	2100	UJ	2700	UJ	6100	UJ
Hexachlorobutadiene	420	U	420	U	2100	U	2700	U	6100	U
Caprolactam	420	U	420	U	2100	U	2700	U	6100	U
4-Chloro-3-methylphenol	420	U	420	U	2100	U	2700	U	6100	U
2-Methylnaphthalene	95	J	500		470	J	420	J	6100	U
Hexachlorocyclopentadiene	420	U	420	U	2100	UJ	2700	UJ	6100	UJ
2,4,6-Trichlorophenol	420	U	420	U	2100	U	2700	U	6100	U
2,4,5-Trichlorophenol	1100	U	1100	U	5300	U	6800	U	15000	UJ
1,1'-Biphenyl	420	U	110	J	2100	U	2700	U	6100	U
2-Chloronaphthalene	420	U	420	U	2100	U	2700	U	6100	U
2-Nitroaniline	1100	U	1100	U	5300	U	6800	U	15000	U
Dimethylphthalate	420	U	420	U	2100	U	2700	U	6100	U
2,6-Dinitrotoluene	420	U	420	U	2100	U	2700	U	6100	U
Acenaphthylene	110	J	260	J	2100	U	2700	U	6100	U
3-Nitroaniline	1100	U	1100	U	5300	U	6800	U	15000	U
Acenaphthene	70	J	520		580	J	400	J	6100	U

Analytical Results (Qualified Data)

Case # 28737
Site : WISCONSIN STEEL
Lab : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

SDG : EE02B

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

Sample Number :	EE02F		EE02G		EE02GDL		EE02H		EE02J	
Sampling Location :	X213		X214		X214		X221		X222	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/13/2000		11/13/2000		11/13/2000		11/13/2000		11/14/2000	
Time Sampled :	14:15		14:45		14:45		15:00		08:30	
%Moisture :	21		22		22		39		46	
pH :	8.0		7.8		7.8		7.8		7.6	
Dilution Factor :	1.0		1.0		5.0		5.0		10.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	1100	U	1100	U	5300	U	6800	U	15000	U
4-Nitrophenol	1100	U	1100	U	5300	U	6800	U	15000	U
Dibenzofuran	85	J	440		410	J	2700	U	6100	U
2,4-Dinitrotoluene	420	U	420	U	2100	U	2700	U	6100	U
Diethylphthalate	420	U	420	U	2100	U	2700	U	6100	U
Fluorene	100	J	820		640	J	2700		6900	
4-Chlorophenyl-phenyl ether	420	U	420	U	2100	U	2700	U	6100	U
4-Nitroaniline	1100	U	1100	U	5300	U	6800	U	15000	U
4,6-Dinitro-2-methylphenol	1100	U	1100	U	5300	U	6800	U	15000	UJ
N-Nitrosodiphenylamine	420	U	420	U	2100	U	2700	U	6100	U
4-Bromophenyl-phenylether	420	U	420	U	2100	U	2700	U	6100	U
Hexachlorobenzene	420	U	420	U	2100	UJ	2700	UJ	6100	U
Atrazine	420	U	420	U	2100	U	2700	U	6100	UJ
Pentachlorophenol	220	J	1100	U	5300	U	6800	U	15000	UJ
Phenanthrene	480		5600		3800		1600	J	1200	J
Anthracene	140	J	2500		1300	J	430	J	6100	U
Carbazole	49	J	94	J	2100	U	2700	U	6100	UJ
Di-n-butylphthalate	420	U	420	U	2100	U	2700	U	6100	U
Fluoranthene	690		9500		6200		3300		2700	J
Pyrene	550		5500		5100		3400		2300	J
Butylbenzylphthalate	420	U	420	U	2100	U	2700	U	6100	U
3,3'-Dichlorobenzidine	420	U	420	U	2100	U	2700	U	6100	U
Benzo(a)anthracene	310	J	3400		2800		1800	J	1000	J
Chrysene	310	J	3200		2600		2200	J	990	J
bis(2-Ethylhexyl)phthalate	420	U	420	U	2100	U	2700	U	6100	U
Di-n-octylphthalate	420	U	420	U	2100	U	2700	U	6100	U
Benzo(b)fluoranthene	280	J	3400		2000	J	1300	J	6100	U
Benzo(k)fluoranthene	260	J	1300		1600	J	1700	J	6100	U
Benzo(a)pyrene	340	J	3100		2200		1600	J	6100	U
Indeno(1,2,3-cd)pyrene	170	J	1000		970	J	640	J	6100	U
Dibenzo(a,h)anthracene	74	J	69	J	2100	U	2700	U	6100	U
Benzo(g,h,i)perylene	210	J	1000		1400	J	990	J	6100	UJ

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02K		EE02L		EE02M		EE02N		EE02P	
Sampling Location :	X204		X205		X206		X207		X208	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	09:00		09:15		09:30		09:30		09:45	
%Moisture :	21		47		50		52		45	
pH :	8.0		7.3		7.7		7.7		7.5	
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	620	U	660	U	690	U	6000	UJ
Phenol	420	U	620	U	660	U	690	U	6000	U
bis-(2-Chloroethyl) ether	420	U	620	U	660	U	690	U	6000	U
2-Chlorophenol	420	U	620	U	660	U	690	U	6000	U
2-Methylphenol	420	U	620	U	660	U	690	U	6000	U
2,2'-oxybis(1-Chloropropane)	420	U	620	U	660	U	690	UJ	6000	U
Acetophenone	420	U	620	U	660	U	690	U	6000	U
4-Methylphenol	420	U	620	U	660	U	690	U	6000	U
N-Nitroso-di-n-propylamine	420	U	620	U	660	U	690	UJ	6000	U
Hexachloroethane	420	U	620	U	660	U	690	U	6000	U
Nitrobenzene	420	U	620	U	660	U	690	U	6000	U
Isophorone	420	U	620	U	660	U	690	U	6000	U
2-Nitrophenol	420	U	620	U	660	U	690	U	6000	U
2,4-Dimethylphenol	420	U	620	U	660	U	690	U	6000	U
bis(2-Chloroethoxy)methane	420	U	620	U	660	U	690	U	6000	U
2,4-Dichlorophenol	420	U	620	U	660	U	690	U	6000	U
Naphthalene	420	U	1500		300	J	700		1100	J
4-Chloroaniline	420	UJ	620	UJ	660	UJ	690	UJ	6000	UJ
Hexachlorobutadiene	420	U	620	U	660	U	690	U	6000	U
Caprolactam	420	U	620	U	660	U	690	UJ	6000	U
4-Chloro-3-methylphenol	420	U	620	U	660	U	690	U	6000	U
2-Methylnaphthalene	420	U	760		210	J	390	J	6000	U
Hexachlorocyclopentadiene	420	U	620	U	660	UJ	690	U	6000	UJ
2,4,6-Trichlorophenol	420	U	620	U	660	U	690	U	6000	U
2,4,5-Trichlorophenol	1100	U	1600	U	1700	U	1700	U	15000	UJ
1,1'-Biphenyl	420	U	120	J	660	U	89	J	6000	U
2-Chloronaphthalene	420	U	620	U	660	U	690	U	6000	U
2-Nitroaniline	1100	U	1600	U	1700	U	1700	U	15000	U
Dimethylphthalate	420	U	620	U	660	U	690	U	6000	U
2,6-Dinitrotoluene	420	U	620	U	660	U	690	U	6000	U
Acenaphthylene	420	U	220	J	89	J	120	J	6000	U
3-Nitroaniline	1100	U	1600	U	1700	U	1700	U	15000	U
Acenaphthene	420	U	250	J	74	J	100	J	6000	U

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02K		EE02L		EE02M		EE02N		EE02P	
Sampling Location :	X204		X205		X206		X207		X208	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	09:00		09:15		09:30		09:30		09:45	
%Moisture :	21		47		50		52		45	
pH :	8.0		7.3		7.7		7.7		7.5	
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	1600	U	1700	U	1700	U	15000	U
4-Nitrophenol	1100	U	1600	U	1700	UJ	1700	UJ	15000	U
Dibenzofuran	420	U	320	J	110	J	160	J	6000	U
2,4-Dinitrotoluene	420	U	620	U	660	U	690	U	6000	U
Diethylphthalate	420	U	620	U	660	U	690	U	6000	U
Fluorene	420	U	520	J	230	J	290	J	6000	U
4-Chlorophenyl-phenyl ether	420	U	620	U	660	U	690	U	6000	U
4-Nitroaniline	1100	U	1600	U	1700	U	1700	U	15000	U
4,6-Dinitro-2-methylphenol	1100	U	1600	U	1700	U	1700	U	15000	UJ
N-Nitrosodiphenylamine	420	U	620	U	660	U	690	U	6000	U
4-Bromophenyl-phenylether	420	U	620	U	660	U	690	U	6000	U
Hexachlorobenzene	420	U	620	U	660	U	690	UJ	6000	U
Atrazine	420	U	620	U	660	U	690	U	6000	UJ
Pentachlorophenol	1100	U	1600	U	1700	U	1700	U	15000	UJ
Phenanthrene	66	J	2100		810		1200		1200	J
Anthracene	420	U	620		230	J	300	J	6000	U
Carbazole	420	U	150	J	660	U	690	U	6000	UJ
Di-n-butylphthalate	420	U	620	U	660	U	690	U	6000	U
Fluoranthene	95	J	2800		1100		2400		2500	J
Pyrene	84	J	2200		1300		1400		2300	J
Butylbenzylphthalate	420	U	620	U	660	U	690	UJ	6000	U
3,3'-Dichlorobenzidine	420	U	620	U	660	U	690	U	6000	U
Benzo(a)anthracene	68	J	1800		570	J	1000		1400	J
Chrysene	62	J	2200		910		1200		1300	J
bis(2-Ethylhexyl)phthalate	420	U	620	U	340	J	690	U	6000	U
Di-n-octylphthalate	420	U	620	U	660	U	690	UJ	6000	U
Benzo(b)fluoranthene	420	U	1500		700		660	J	1100	J
Benzo(k)fluoranthene	53	J	1500		520	J	840	J	920	J
Benzo(a)pyrene	66	J	2000		710		1000		1400	J
Indeno(1,2,3-cd)pyrene	420	U	590	J	230	J	320	J	800	J
Dibenzo(a,h)anthracene	420	U	64	J	660	U	690	UJ	6000	U
Benzo(g,h,i)perylene	420	U	800		260	J	510	J	1300	J

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02Q		EE02R		EE02S		EE02T		EE02W	
Sampling Location :	X209		X210		X211		X223		X215	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	10:00		10:25		10:45		11:00		11:30	
%Moisture :	27		38		40		56		46	
pH :	7.8		7.3		7.9		7.5		8.1	
Dilution Factor :	1.0		1.0		10.0		1.0		10.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	450	U	530	U	5500	U	750	U	6100	UJ
Phenol	450	U	530	U	5500	U	750	U	6100	U
bis-(2-Chloroethyl) ether	450	U	530	U	5500	U	750	U	6100	U
2-Chlorophenol	450	U	530	U	5500	U	750	U	6100	U
2-Methylphenol	450	U	530	U	5500	U	750	U	6100	U
2,2'-oxybis(1-Chloropropane)	450	U	530	UJ	5500	U	750	U	6100	U
Acetophenone	450	U	530	U	5500	U	750	U	6100	U
4-Methylphenol	77	J	530	U	5500	U	750	U	6100	U
N-Nitroso-di-n-propylamine	450	U	530	UJ	5500	U	750	U	6100	U
Hexachloroethane	450	U	530	U	5500	U	750	U	6100	U
Nitrobenzene	450	U	530	U	5500	U	750	U	6100	U
Isophorone	450	U	530	U	5500	U	750	U	6100	U
2-Nitrophenol	450	U	530	U	5500	U	750	U	6100	U
2,4-Dimethylphenol	81	J	530	U	5500	U	750	U	6100	U
bis(2-Chloroethoxy)methane	450	U	530	U	5500	U	750	U	6100	U
2,4-Dichlorophenol	450	U	530	U	5500	U	750	U	6100	U
Naphthalene	120	J	410	J	1300	J	740	J	9600	
4-Chloroaniline	450	UJ	530	UJ	5500	UJ	750	UJ	6100	UJ
Hexachlorobutadiene	450	U	530	U	5500	U	750	U	6100	U
Caprolactam	450	U	530	UJ	5500	U	750	U	6100	U
4-Chloro-3-methylphenol	450	U	530	U	5500	U	750	U	6100	U
2-Methylnaphthalene	75	J	210	J	5500	U	370	J	1500	J
Hexachlorocyclopentadiene	450	UJ	530	U	5500	UJ	750	UJ	6100	UJ
2,4,6-Trichlorophenol	450	U	530	U	5500	U	750	U	6100	U
2,4,5-Trichlorophenol	1100	U	1300	U	14000	U	1900	U	15000	UJ
1,1'-Biphenyl	450	U	530	U	5500	U	78	J	6100	U
2-Chloronaphthalene	450	U	530	U	5500	U	750	U	6100	U
2-Nitroaniline	1100	U	1300	U	14000	U	1900	U	15000	U
Dimethylphthalate	450	U	530	U	5500	U	750	U	6100	U
2,6-Dinitrotoluene	450	U	530	U	5500	U	750	U	6100	U
Acenaphthylene	59	J	57	J	5500	U	100	J	860	J
3-Nitroaniline	1100	U	1300	U	14000	U	1900	U	15000	U
Acenaphthene	450	U	60	J	5500	U	94	J	1100	J

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02Q		EE02R		EE02S		EE02T		EE02W	
Sampling Location :	X209		X210		X211		X223		X215	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	10:00		10:25		10:45		11:00		11:30	
%Moisture :	27		38		40		56		46	
pH :	7.8		7.3		7.9		7.5		8.1	
Dilution Factor :	1.0		1.0		10.0		1.0		10.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	1100	U	1300	U	14000	U	1900	U	15000	U
4-Nitrophenol	1100	UJ	1300	UJ	14000	U	1900	UJ	15000	U
Dibenzofuran	450	U	92	J	5500	U	190	J	6100	U
2,4-Dinitrotoluene	450	U	530	U	5500	U	750	U	6100	U
Diethylphthalate	450	U	530	U	5500	U	750	U	6100	U
Fluorene	74	J	120	J	900	J	260	J	6100	U
4-Chlorophenyl-phenyl ether	450	U	530	U	5500	U	750	U	6100	U
4-Nitroaniline	1100	U	1300	U	14000	U	1900	U	15000	U
4,6-Dinitro-2-methylphenol	1100	U	1300	U	14000	U	1900	U	15000	UJ
N-Nitrosodiphenylamine	450	U	530	U	5500	U	750	U	6100	U
4-Bromophenyl-phenylether	450	U	530	U	5500	U	750	U	6100	U
Hexachlorobenzene	450	U	530	UJ	5500	UJ	750	U	6100	U
Atrazine	450	U	530	U	5500	U	750	U	6100	UJ
Pentachlorophenol	1100	U	1300	U	14000	U	1900	U	15000	UJ
Phenanthrene	440	J	490	J	3400	J	850		9200	
Anthracene	140	J	140	J	770	J	280	J	3500	J
Carbazole	450	U	530	U	5500	U	750	U	6100	UJ
Di-n-butylphthalate	450	U	530	U	5500	U	750	U	6100	U
Fluoranthene	980		740		4000	J	1000		14000	
Pyrene	910		580		3800	J	1200		8900	
Butylbenzylphthalate	450	U	530	UJ	5500	U	750	U	6100	U
3,3'-Dichlorobenzidine	450	U	530	U	5500	U	750	U	6100	U
Benzo(a)anthracene	530		430	J	1500	J	760		4700	J
Chrysene	640		450	J	1900	J	830		4100	J
bis(2-Ethylhexyl)phthalate	120	J	530	U	5500	U	750	U	6100	U
Di-n-octylphthalate	450	U	530	UJ	5500	U	750	U	6100	U
Benzo(b)fluoranthene	570		380	J	660	J	670	J	2600	J
Benzo(k)fluoranthene	490		270	J	640	J	470	J	2400	J
Benzo(a)pyrene	510		450	J	720	J	740	J	2900	J
Indeno(1,2,3-cd)pyrene	220	J	190	J	5500	U	340	J	1200	J
Dibenzo(a,h)anthracene	450	U	530	UJ	5500	U	750	U	6100	U
Benzo(g,h,i)perylene	240	J	310	J	590	J	470	J	1700	J

Analytical Results (Qualified Data)

Case #: 28737
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

SDG : EE02B

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

Sample Number :	EE02X		EE02Y		EE02YMS		EE02YMSD		EE02Z	
Sampling Location :	X212		X217		X217		X217		X218	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	11:15		12:15		12:15		12:15		12:30	
%Moisture :	49		40		40		40		27	
pH :	8.4		7.5		7.5		7.5		8.1	
Dilution Factor :	10.0		1.0		1.0		1.0		100.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	6500	UJ	17000	U	17000	U	17000	U	1400000	UJ
Phenol	6500	U	17000	U	54000		64000		1400000	U
bis-(2-Chloroethyl) ether	6500	U	17000	U	17000	U	17000	U	1400000	U
2-Chlorophenol	6500	U	17000	U	54000		65000		1400000	U
2-Methylphenol	6500	U	17000	U	17000	U	17000	U	1400000	U
2,2'-oxybis(1-Chloropropane)	6500	U	17000	U	17000	U	17000	U	1400000	U
Acetophenone	6500	U	17000	U	17000	U	17000	U	1400000	U
4-Methylphenol	6500	U	17000	U	17000	U	17000	U	1400000	U
N-Nitroso-di-n-propylamine	6500	U	17000	U	41000		56000		1400000	U
Hexachloroethane	6500	U	17000	U	17000	U	17000	U	1400000	U
Nitrobenzene	6500	U	17000	U	17000	U	17000	U	1400000	U
Isophorone	6500	U	17000	U	17000	U	17000	U	1400000	U
2-Nitrophenol	6500	U	17000	U	17000	U	17000	U	1400000	U
2,4-Dimethylphenol	6500	U	17000	U	17000	U	17000	U	1400000	U
bis(2-Chloroethoxy)methane	6500	U	17000	U	17000	U	17000	U	1400000	U
2,4-Dichlorophenol	6500	U	17000	U	17000	U	17000	U	1400000	U
Naphthalene	2400	J	54000		330000		330000		6700000	
4-Chloroaniline	6500	UJ	17000	UJ	17000	UJ	17000	UJ	1400000	UJ
Hexachlorobutadiene	6500	U	17000	U	17000	U	17000	U	1400000	U
Caprolactam	6500	U	17000	U	17000	U	17000	U	1400000	U
4-Chloro-3-methylphenol	6500	U	17000	U	64000		63000		1400000	U
2-Methylnaphthalene	1700	J	6500	J	13000	J	9700	J	860000	J
Hexachlorocyclopentadiene	6500	UJ	17000	UJ	17000	UJ	17000	UJ	1400000	UJ
2,4,6-Trichlorophenol	6500	U	17000	U	17000	U	17000	U	1400000	U
2,4,5-Trichlorophenol	16000	UJ	42000	U	42000	U	42000	U	3400000	UJ
1,1'-Biphenyl	6500	U	17000	U	17000	U	17000	U	270000	J
2-Chloronaphthalene	6500	U	17000	U	17000	U	17000	U	1400000	U
2-Nitroaniline	16000	U	42000	U	42000	U	42000	U	3400000	U
Dimethylphthalate	6500	U	17000	U	17000	U	17000	U	1400000	U
2,6-Dinitrotoluene	6500	U	17000	U	17000	U	17000	U	1400000	U
Acenaphthylene	6500	U	6600	J	6000	J	13000	J	300000	J
3-Nitroaniline	16000	U	42000	U	42000	U	42000	U	3400000	U
Acenaphthene	6500	U	25000	J	66000		82000		3000000	

Analytical Results (Qualified Data)

Case # 28737 SDG : EE02B
Site WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02X		EE02Y		EE02YMS		EE02YMSD		EE02Z	
Sampling Location :	X212		X217		X217		X217		X218	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	11:15		12:15		12:15		12:15		12:30	
%Moisture :	49		40		40		40		27	
pH :	8.4		7.5		7.5		7.5		8.1	
Dilution Factor :	10.0		1.0		1.0		1.0		100.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	16000	U	42000	U	42000	U	42000	U	3400000	U
4-Nitrophenol	16000	U	42000	UJ	71000	J	140000	J	3400000	U
Dibenzofuran	6500	U	5500	J	13000	J	15000	J	1500000	
2,4-Dinitrotoluene	6500	U	17000	U	32000		36000		1400000	U
Diethylphthalate	6500	U	17000	U	17000	U	17000	U	1400000	U
Fluorene	1500	J	9700	J	14000	J	27000		2000000	
4-Chlorophenyl-phenyl ether	6500	U	17000	U	17000	U	17000	U	1400000	U
4-Nitroaniline	16000	U	42000	U	42000	U	42000	U	3400000	U
4,6-Dinitro-2-methylphenol	16000	UJ	42000	U	42000	U	42000	U	3400000	UJ
N-Nitrosodiphenylamine	6500	U	17000	U	17000	U	17000	U	1400000	U
4-Bromophenyl-phenylether	6500	U	17000	U	17000	U	17000	U	1400000	U
Hexachlorobenzene	6500	U	17000	U	17000	U	17000	U	1400000	U
Atrazine	6500	UJ	17000	U	17000	U	17000	U	1400000	UJ
Pentachlorophenol	16000	UJ	42000	U	48000		57000		3400000	UJ
Phenanthrene	4300	J	39000		60000		170000		13000000	
Anthracene	1200	J	10000	J	23000		77000		3200000	
Carbazole	6500	UJ	17000	U	17000	U	3500	J	630000	J
Di-n-butylphthalate	6500	U	17000	U	17000	U	17000	U	1400000	U
Fluoranthene	5800	J	67000		100000		310000		8200000	
Pyrene	4900	J	49000	J	110000		210000		6000000	
Butylbenzylphthalate	6500	U	17000	U	17000	U	17000	U	1400000	U
3,3'-Dichlorobenzidine	6500	U	17000	U	17000	U	17000	U	1400000	U
Benzo(a)anthracene	2000	J	19000		29000		66000		1900000	
Chrysene	2000	J	19000		29000		68000		1600000	
bis(2-Ethylhexyl)phthalate	6500	U	2800	J	2700	J	3100	J	1400000	U
Di-n-octylphthalate	6500	U	17000	U	17000	U	17000	U	1400000	U
Benzo(b)fluoranthene	740	J	19000		26000		72000		1200000	J
Benzo(k)fluoranthene	1300	J	14000	J	19000		37000		1100000	J
Benzo(a)pyrene	1300	J	17000		23000		55000		1700000	
Indeno(1,2,3-cd)pyrene	6500	U	6700	J	9100	J	22000		820000	J
Dibenzo(a,h)anthracene	6500	U	17000	U	17000	U	17000	U	1400000	U
Benzo(g,h,i)perylene	960	J	5200	J	7500	J	15000	J	1200000	J

Analytical Results (Qualified Data)

Case #: 28737 SDG EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02ZDL		SBLKFE		SBLKFF		SBLKFH			
Sampling Location :	X218									
Matrix :	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :	11/14/2000									
Time Sampled :	12:30									
%Moisture :	27		N/A		N/A		N/A			
pH :	8.1		0.0		0.0		0.0			
Dilution Factor :	200.0		1.0		1.0		1.0			
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	5500000	UJ	330	U	330	U	10000	U		
Phenol	5500000	U	330	U	330	U	10000	U		
bis-(2-Chloroethyl) ether	5500000	U	330	U	330	U	10000	U		
2-Chlorophenol	5500000	U	330	U	330	U	10000	U		
2-Methylphenol	5500000	U	330	U	330	U	10000	U		
2,2'-oxybis(1-Chloropropane)	5500000	U	330	U	330	U	10000	U		
Acetophenone	5500000	U	330	U	330	U	10000	U		
4-Methylphenol	5500000	U	330	U	330	U	10000	U		
N-Nitroso-di-n-propylamine	5500000	U	330	U	330	U	10000	U		
Hexachloroethane	5500000	U	330	U	330	U	10000	U		
Nitrobenzene	5500000	U	330	U	330	U	10000	U		
Isophorone	5500000	U	330	U	330	U	10000	U		
2-Nitrophenol	5500000	U	330	U	330	U	10000	U		
2,4-Dimethylphenol	5500000	U	330	U	330	U	10000	U		
bis(2-Chloroethoxy)methane	5500000	U	330	U	330	U	10000	U		
2,4-Dichlorophenol	5500000	U	330	U	330	U	10000	U		
Naphthalene	4800000	J	330	U	330	U	10000	U		
4-Chloroaniline	5500000	UJ	330	UJ	330	UJ	10000	UJ		
Hexachlorobutadiene	5500000	U	330	U	330	U	10000	U		
Caprolactam	5500000	U	330	U	330	U	10000	U		
4-Chloro-3-methylphenol	5500000	U	330	U	330	U	10000	U		
2-Methylnaphthalene	650000	J	330	U	330	U	10000	U		
Hexachlorocyclopentadiene	5500000	UJ	330	U	330	UJ	10000	UJ		
2,4,6-Trichlorophenol	5500000	UJ	330	U	330	U	10000	U		
2,4,5-Trichlorophenol	14000000	U	830	U	830	U	25000	U		
1,1'-Biphenyl	5500000	U	330	U	330	U	10000	U		
2-Chloronaphthalene	5500000	U	330	U	330	U	10000	U		
2-Nitroaniline	14000000	U	830	U	830	U	25000	U		
Dimethylphthalate	5500000	U	330	U	330	U	10000	U		
2,6-Dinitrotoluene	5500000	U	330	U	330	U	10000	U		
Acenaphthylene	5500000	U	330	U	330	U	10000	U		
3-Nitroaniline	14000000	U	830	U	830	U	25000	U		
Acenaphthene	2200000	J	330	U	330	U	10000	U		

Analytical Results (Qualified Data)

Case # 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02ZDL		SBLKFE		SBLKFF		SBLKFH			
Sampling Location :	X218									
Matrix	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :	11/14/2000									
Time Sampled :	12:30									
%Moisture :	27		N/A		N/A		N/A			
pH :	8.1		0.0		0.0		0.0			
Dilution Factor :	200.0		1.0		1.0		1.0			
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	14000000	UJ	830	U	830	U	25000	U		
4-Nitrophenol	14000000	U	830	U	830	UJ	25000	UJ		
Dibenzofuran	1200000	J	330	U	330	U	10000	U		
2,4-Dinitrotoluene	5500000	U	330	U	330	U	10000	U		
Diethylphthalate	5500000	U	330	U	330	U	10000	U		
Fluorene	1500000	J	330	U	330	U	10000	U		
4-Chlorophenyl-phenyl ether	5500000	U	330	U	330	U	10000	U		
4-Nitroaniline	14000000	UJ	830	U	830	U	25000	U		
4,6-Dinitro-2-methylphenol	14000000	UJ	830	U	830	U	25000	U		
N-Nitrosodiphenylamine	5500000	UJ	330	U	330	U	10000	U		
4-Bromophenyl-phenylether	5500000	U	330	U	330	U	10000	U		
Hexachlorobenzene	5500000	U	330	U	330	U	10000	U		
Atrazine	5500000	UJ	330	U	330	U	10000	U		
Pentachlorophenol	14000000	U	830	U	830	U	25000	U		
Phenanthrene	7400000		330	U	330	U	10000	U		
Anthracene	2000000	J	330	U	330	U	10000	U		
Carbazole	450000	J	330	U	330	U	10000	U		
Di-n-butylphthalate	5500000	U	330	U	330	U	10000	U		
Fluoranthene	4600000	J	330	U	330	U	10000	U		
Pyrene	4200000	J	330	U	330	U	10000	U		
Butylbenzylphthalate	5500000	U	330	U	330	U	10000	U		
3,3'-Dichlorobenzidine	5500000	U	330	U	330	U	10000	U		
Benzo(a)anthracene	1300000	J	330	U	330	U	10000	U		
Chrysene	1300000	J	330	U	330	U	10000	U		
bis(2-Ethylhexyl)phthalate	5500000	U	91	J	330	U	10000	U		
Di-n-octylphthalate	5500000	U	330	U	330	U	10000	U		
Benzo(b)fluoranthene	770000	J	330	U	330	U	10000	U		
Benzo(k)fluoranthene	800000	J	330	U	330	U	10000	U		
Benzo(a)pyrene	1200000	J	330	U	330	U	10000	U		
Indeno(1,2,3-cd)pyrene	540000	J	330	U	330	U	10000	U		
Dibenzo(a,h)anthracene	5500000	U	330	U	330	U	10000	U		
Benzo(g,h,i)perylene	760000	J	330	U	330	U	10000	U		

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02B		EE02BMS		EE02BMSD		EE02C		EE02E	
Sampling Location :	X201		X201		X201		X202		X203	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/13/2000		11/13/2000		11/13/2000		11/13/2000		11/13/2000	
Time Sampled :	13:00		13:00		13:00		13:30		14:00	
%Moisture :	28		28		28		22		18	
pH :	7.8		7.8		7.8		8.6		8.0	
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	0.15	J	2.4	U	2.4	U	2.2	U	2.1	U
beta-BHC	2.4	U	1.5	J	2.4	U	2.2	U	2.1	U
delta-BHC	2.4	U	2.4	U	2.4	U	2.2	U	2.1	U
gamma-BHC (Lindane)	2.4	U	12		13		2.2	U	2.1	U
Heptachlor	2.4	U	12	J	13	J	2.2	U	2.1	U
Aldrin	2.4	U	12		12		2.2	U	2.1	U
Heptachlor epoxide	2.4	U	2.4	U	2.4	U	2.2	U	2.1	U
Endosulfan I	2.4	U	1.2	J	2.4	U	2.2	U	2.1	U
Dieldrin	1.5	J	24		26		4.2	U	4.0	U
4,4'-DDE	4.6	U	1.1	J	1.9	J	4.2	U	4.0	U
Endrin	4.6	U	23		24		4.2	U	4.0	U
Endosulfan II	4.6	U	4.6	U	4.6	U	4.2	U	4.0	U
4,4'-DDD	0.65	J	4.6	U	1.9	J	4.2	U	4.0	U
Endosulfan sulfate	4.6	U	1.3	J	1.7	J	4.2	U	4.0	U
4,4'-DDT	4.6	UJ	24	J	59	J	4.2	UJ	4.0	UJ
Methoxychlor	24	U	24	U	24	U	22	U	21	U
Endrin ketone	1.1	J	2.8	J	3.7	J	4.2	U	4.0	U
Endrin aldehyde	4.6	U	4.6	U	1.7	J	4.2	U	4.0	U
alpha-Chlordane	2.4	U	2.4	U	2.4	U	2.2	U	2.1	U
gamma-Chlordane	2.4	U	1.3	J	0.67	J	2.2	U	2.1	U
Toxaphene	240	U	240	U	240	U	220	U	210	U
Aroclor-1016	46	U	46	U	46	U	42	U	40	U
Aroclor-1221	93	U	93	U	93	U	86	U	82	U
Aroclor-1232	46	U	46	U	46	U	42	U	40	U
Aroclor-1242	46	U	46	U	46	U	42	U	40	U
Aroclor-1248	46	U	46	U	46	U	42	U	40	U
Aroclor-1254	46	U	46	U	46	U	42	U	40	U
Aroclor-1260	46	U	46	U	46	U	42	U	40	U

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02F		EE02G		EE02H		EE02J		EE02JDL	
Sampling Location :	X213		X214		X221		X222		X222	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/13/2000		11/13/2000		11/13/2000		11/14/2000		11/14/2000	
Time Sampled :	14:15		14:45		15:00		08:30		08:30	
%Moisture :	21		22		39		46		46	
pH :	8.0		7.8		7.8		7.6		7.6	
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	2.2	U	2.8	R	2.8	J	16	U
beta-BHC	2.2	U	2.2	U	2.8	R	12	J	6.2	J
delta-BHC	2.2	U	2.2	U	2.8	R	3.2	U	16	U
gamma-BHC (Lindane)	0.36	J	2.2	U	2.8	R	3.2	U	16	U
Heptachlor	2.2	U	2.2	U	2.8	R	3.2	U	16	U
Aldrin	2.2	U	2.2	U	2.8	R	3.2	U	16	U
Heptachlor epoxide	2.2	U	2.2	U	0.35	J	15	J	4.9	J
Endosulfan I	2.2	U	2.2	U	2.8	R	14	J	5.6	J
Dieldrin	0.43	J	0.31	J	0.36	J	43		40	J
4,4'-DDE	4.2	U	4.2	U	1.3	J	86		35	J
Endrin	4.2	U	4.2	U	5.4	R	110		31	U
Endosulfan II	4.2	U	0.62	J	5.4	R	6.1	U	31	U
4,4'-DDD	4.2	U	4.2	U	1.0	J	86	J	31	U
Endosulfan sulfate	4.2	U	4.2	U	5.4	R	35	J	26	J
4,4'-DDT	0.65	J	4.2	UJ	0.68	J	140		31	U
Methoxychlor	22	U	22	U	28	R	52	J	160	U
Endrin ketone	0.98	J	1.7	J	5.4	R	6.1	U	6.0	J
Endrin aldehyde	4.2	U	4.2	U	5.4	R	6.1	U	26	J
alpha-Chlordane	2.2	U	0.76	J	2.8	R	3.2	U	5.2	J
gamma-Chlordane	2.2	U	2.2	U	2.8	R	31	J	24	J
Toxaphene	220	U	220	U	280	R	310	U	1600	U
Aroclor-1016	42	U	42	U	54	R	61	U	310	U
Aroclor-1221	85	U	86	U	110	R	120	U	620	U
Aroclor-1232	42	U	42	U	54	R	61	U	310	U
Aroclor-1242	42	U	42	U	54	R	5500		5100	J
Aroclor-1248	42	U	42	U	54	R	61	U	310	U
Aroclor-1254	42	U	42	U	54	R	210	J	1300	
Aroclor-1260	42	U	42	U	54	R	61	U	310	U

Analytical Results (Qualified Data)

Case #: 28737
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

SDG : EE02B

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

Sample Number :	EE02K		EE02L		EE02M		EE02N		EE02P	
Sampling Location :	X204		X205		X206		X207		X208	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	09:00		09:15		09:30		09:30		09:45	
%Moisture :	21		47		50		52		44	
pH :	8.0		7.3		7.7		7.7		7.5	
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	3.2	U	3.4	U	1.1	J	3.0	U
beta-BHC	2.2	U	3.2	U	16	J	18	J	8.3	
delta-BHC	2.2	U	3.2	U	3.4	U	3.5	U	3.0	U
gamma-BHC (Lindane)	2.2	U	3.2	U	3.4	U	3.5	U	3.0	U
Heptachlor	2.2	U	3.2	U	3.4	U	3.5	U	3.0	U
Aldrin	2.2	U	3.2	U	1.0	J	1.5	J	3.0	U
Heptachlor epoxide	2.2	U	3.2	U	2.4	J	2.1	J	3.0	U
Endosulfan I	2.2	U	3.2	U	4.7	J	8.0	J	3.0	U
Dieldrin	4.2	U	4.6	J	16	J	16	J	6.6	J
4,4'-DDE	4.2	U	4.9	J	19	J	19	J	8.7	J
Endrin	4.2	U	6.2	U	6.6	U	6.9	U	5.9	U
Endosulfan II	4.2	U	6.2	U	6.6	U	6.9	U	5.9	U
4,4'-DDD	4.2	U	2.6	J	4.6	J	5.3	J	3.5	J
Endosulfan sulfate	4.2	U	4.9	J	14	J	18	J	7.6	J
4,4'-DDT	4.2	U	6.2	UJ	6.6	UJ	6.9	U	5.9	U
Methoxychlor	22	U	32	U	11	J	17	J	30	U
Endrin ketone	4.2	U	3.3	J	8.6	J	9.9	J	8.3	
Endrin aldehyde	4.2	U	5.1	J	15		20		7.8	J
alpha-Chlordane	2.2	U	3.2	U	4.3	J	4.2	J	3.0	U
gamma-Chlordane	2.2	U	2.3	J	9.3	J	11	J	4.1	J
Toxaphene	220	U	320	U	340	U	350	U	300	U
Aroclor-1016	42	U	62	U	66	U	69	U	59	U
Aroclor-1221	85	U	130	U	130	U	140	U	120	U
Aroclor-1232	42	U	62	U	66	U	69	U	59	U
Aroclor-1242	42	U	400	J	1400	J	1400	J	520	J
Aroclor-1248	42	U	62	U	66	U	69	U	59	U
Aroclor-1254	42	U	130		490		490		210	
Aroclor-1260	42	U	62	U	66	U	69	U	59	U

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02Q		EE02R		EE02S		EE02T		EE02W	
Sampling Location :	X209		X210		X211		X223		X215	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	10:00		10:25		10:45		11:00		11:30	
%Moisture :	27		38		40		56		46	
pH :	7.8		7.3		7.9		7.5		8.1	
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	0.25	J	2.7	U	6.2	J	3.9	UJ	1.8	J
beta-BHC	2.3	U	2.7	U	9.2	J	3.9	UJ	6.5	J
delta-BHC	2.3	U	2.7	U	2.8	U	3.9	UJ	3.2	U
gamma-BHC (Lindane)	2.3	U	2.7	U	2.8	U	3.9	UJ	3.2	U
Heptachlor	2.3	U	2.7	U	2.8	U	3.9	UJ	3.2	U
Aldrin	2.3	U	2.7	U	3.2	J	3.9	UJ	2.4	J
Heptachlor epoxide	2.3	U	2.7	U	6.0	J	3.9	UJ	4.0	J
Endosulfan I	2.3	U	2.7	U	2.8	U	3.9	UJ	5.1	J
Dieldrin	2.7	J	2.3	J	8.3		7.5	UJ	26	
4,4'-DDE	3.1	J	2.4	J	10		7.5	UJ	57	
Endrin	4.5	U	5.3	U	15	J	7.5	UJ	6.1	U
Endosulfan II	4.5	U	5.3	U	3.7	J	7.5	UJ	6.1	U
4,4'-DDD	1.6	J	1.4	J	11	J	7.5	UJ	6.1	U
Endosulfan sulfate	4.4	J	2.6	J	6.9	J	7.5	UJ	28	J
4,4'-DDT	4.5	U	5.3	U	19	J	7.5	UJ	96	
Methoxychlor	6.4	J	27	U	11	J	39	UJ	31	U
Endrin ketone	3.0	J	3.3	J	5.5	U	7.5	UJ	17	
Endrin aldehyde	2.3	J	3.2	J	7.2	J	7.5	UJ	6.1	U
alpha-Chlordane	2.3	U	2.7	U	2.8	U	3.9	UJ	3.2	U
gamma-Chlordane	1.7	J	1.4	J	5.3	J	3.9	UJ	16	J
Toxaphene	230	U	270	U	280	U	390	UJ	310	U
Aroclor-1016	45	U	53	U	55	U	75	UJ	61	U
Aroclor-1221	92	U	110	U	110	U	150	UJ	120	U
Aroclor-1232	45	U	53	U	55	U	75	UJ	61	U
Aroclor-1242	290	J	200	J	360	J	88	J	2600	J
Aroclor-1248	45	U	53	U	55	U	75	UJ	61	U
Aroclor-1254	76	J	69		140	J	25	J	810	
Aroclor-1260	45	U	53	U	55	U	75	UJ	61	U

Analytical Results (Qualified Data)

Case #: 28737 SDG EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02WDL		EE02X		EE02XDL		EE02Y		EE02YDL	
Sampling Location :	X215		X212		X212		X217		X217	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	11:30		11:15		11:15		12:15		12:15	
%Moisture :	46		49		49		40		40	
pH :	8.1		8.4		8.4		7.5		7.5	
Dilution Factor :	5.0		1.0		5.0		1.0		5.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	16	U	0.95	J	17	U	2.8	U	14	U
beta-BHC	4.6	J	8.6	J	8.3	J	2.8	U	58	J
delta-BHC	16	U	3.3	U	17	U	2.8	U	14	U
gamma-BHC (Lindane)	16	U	3.3	U	17	U	2.8	U	14	U
Heptachlor	16	U	3.3	U	17	U	2.8	U	4.0	J
Aldrin	16	U	3.3	U	17	U	46	J	14	U
Heptachlor epoxide	16	U	3.9	J	17	U	2.8	U	3.8	J
Endosulfan I	16	U	2.2	J	17	U	12	J	14	U
Dieldrin	24	J	18	J	19	J	18	J	15	J
4,4'-DDE	22	J	41	J	18	J	30	J	29	J
Endrin	31	U	6.5	U	32	U	45	J	28	U
Endosulfan II	31	U	10	J	32	U	5.5	U	24	J
4,4'-DDD	31	U	11	J	32	U	72	J	28	U
Endosulfan sulfate	24	J	16	J	20	J	5.5	U	74	J
4,4'-DDT	31	U	71	J	32	U	26	J	22	J
Methoxychlor	160	U	33	U	170	U	290	J	64	J
Endrin ketone	11	J	6.5	U	9.9	J	86	J	87	J
Endrin aldehyde	16	J	6.5	U	17	J	34	J	28	
alpha-Chlordane	16	U	3.3	U	17	U	2.8	U	15	
gamma-Chlordane	18	J	10	J	10	J	10	J	14	U
Toxaphene	1600	U	330	U	1700	U	280	U	1400	U
Aroclor-1016	310	U	65	U	320	U	55	U	280	U
Aroclor-1221	620	U	130	U	660	U	110	U	560	U
Aroclor-1232	310	U	65	U	320	U	55	U	280	U
Aroclor-1242	2500	J	1500	J	1700	J	4000	J	4800	
Aroclor-1248	310	U	65	U	320	U	55	U	280	U
Aroclor-1254	840		370	J	700	J	370	J	1100	
Aroclor-1260	310	U	65	U	320	U	55	U	280	U

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE02B
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer : S. Tobin
Date : 01/08/2001

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

Sample Number :	EE02Z		EE02ZDL		PBLK1					
Sampling Location :	X218		X218							
Matrix :	Soil		Soil		Soil					
Units :	ug/Kg		ug/Kg		ug/Kg					
Date Sampled :	11/14/2000		11/14/2000							
Time Sampled :	12:30		12:30							
%Moisture :	27		27		N/A					
pH :	8.1		8.1		7.0					
Dilution Factor :	5.0		50.0		1.0					
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	12	U	120	U	1.7	U				
beta-BHC	16	J	120	U	1.7	U				
delta-BHC	12	U	120	U	1.7	U				
gamma-BHC (Lindane)	12	U	120	U	1.7	U				
Heptachlor	12	U	120	U	1.7	U				
Aldrin	12	U	120	U	1.7	U				
Heptachlor epoxide	12	U	120	U	1.7	U				
Endosulfan I	12	U	120	U	1.7	U				
Dieldrin	23	U	230	U	3.3	U				
4,4'-DDE	9.1	J	230	U	3.3	U				
Endrin	6.0	J	230	U	3.3	U				
Endosulfan II	25	J	230	U	3.3	U				
4,4'-DDD	23	U	30	J	3.3	U				
Endosulfan sulfate	120	J	230	U	3.3	U				
4,4'-DDT	18	J	230	U	3.3	U				
Methoxychlor	270	J	1200	U	0.68	J				
Endrin ketone	56	J	230	U	3.3	U				
Endrin aldehyde	31	J	230	U	3.3	U				
alpha-Chlordane	9.7	J	120	U	0.058	J				
gamma-Chlordane	35	J	120	U	1.7	U				
Toxaphene	1200	U	12000	U	170	U				
Aroclor-1016	230	U	2300	U	33	U				
Aroclor-1221	460	U	4600	U	67	U				
Aroclor-1232	230	U	2300	U	33	U				
Aroclor-1242	230	U	2300	U	33	U				
Aroclor-1248	230	U	2300	U	33	U				
Aroclor-1254	230	U	2300	U	33	U				
Aroclor-1260	230	U	2300	U	33	U				

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: EE02B CERCLIS No: ILD000849737

Case No: 28737 Site Name/Location: Wisconsin Steel

Contractor or EPA Lab: AATS Data User: IEPA

No. of Samples: 20 Date Sampled or Date Received: 12-11-00

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: Ena M. Dixon / ESAT Date: 12-11-00

Received by LSSS: Ena M. Dixon / ESAT Date: 12-11-00

Review started: 01/05/01 Reviewer Signature: Stephanie Tobin

Total time spent on review: 15 hrs Date review completed: 01/10/01

Copied by: Ena M. Dixon / ESAT Date: 1-12-01

Mailed to user by: Ena M. Dixon / ESAT Date: 1-12-01

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: ____

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 12-11-00

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: WISCONSIN STEEL (IL)

CASE NUMBER: 28737 SDG NUMBER: EE02B

Number and Type of Samples: 20 (SOIL)

Sample Numbers: EE02B-C, EE02E-H, EE02J-N, EE02P-T, EE02W-Z

Laboratory: AATS Hrs for Review:

Following are our findings:

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

DEC 1 1 2000

AMERICAN ANALYTICAL & TECHNICAL SERVICES, INC.

11950 Industriplex Blvd. • Baton Rouge, LA 70809 • Office (225) 753-8650 • Fax (225) 751-1405

SDG NARRATIVE

Laboratory Name: AATSLA, Baton Rouge, LA
Case No.: 28737
SDG No.: EE02B
Contract: 68-W0-0078

Samples were received November 15th, 2000, 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:
EE02B
EE02BMS
EE02BMSD
EE02C
EE02E
EE02F
EE02G
EE02H
EE02J
EE02K
EE02L
EE02M
EE02N
EE02P
EE02Q
EE02R
EE02S
EE02T
EE02W
EE02X
EE02Y
EE02YMS
EE02YMSD
EE02Z

AMERICAN ANALYTICAL & TECHNICAL SERVICES, INC.

11950 Industriplex Blvd. • Baton Rouge, LA 70809 • Office (225) 753-8650 • Fax (225) 751-1405

SDG NARRATIVE

General: The samples of this SDG were received intact and on ice. The temperature of the samples at receipt was recorded as 5 °C as determined by a non-contact thermometer (Raytek Raynger model ST-2). Cooler temperature indicators were not supplied with the coolers. No problems were recorded with the receipt of the samples.

Semi-Volatile Organic Analysis:

Semivolatile holding times were met.

All calibration, internal standard, and surrogate control criteria were within normal limits. Precision and/or accuracy outliers were observed with the low and medium level MS sets. Matrix influence is assumed..

Medium level procedures were required for two samples. Dilutions were required on several samples to bring target analytes into the instrument calibration range.

Two additional billables are presented in the report:

EE02JDL (Dilution)
EE02ZDL (Dilution)

The original of the diluted samples are submitted to present lower limits of reporting and enhanced value.

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.

The following dilutions were made:

EE02J	neat, 5x
EE02W	neat, 5x
EE02X	neat, 5x
EE02Y	neat, 5x
EE02Z	5x, 50x

AMERICAN ANALYTICAL & TECHNICAL SERVICES, INC.

11950 Industriplex Blvd. • Baton Rouge, LA 70809 • Office (225) 753-8650 • Fax (225) 751-1405

SDG NARRATIVE

It is noted that in PBLK1 Alpha-chlordane quantitated above CRQL on GC column 1, but well below CRQL on GC column 2; it is this J value which appears on Form 1.

In sample EE02s, the pattern for Aroclor-1254 is present in both GC columns; however on GC column 1 sample peak retention times are just slightly outside the windows. This is seen on Form 10B for the sample. Identification and quantitation of Aroclor-1254 are presented for this sample.

In sample EE02Y on GC column 2 the Aroclor-1242 pattern is present yet only 2 peaks appear in retention time windows while the two other peaks are slightly outside. This is also seen on Form 10B for the sample. Identification and quantitation of Aroclor-1242 are presented for this sample.

In EE02J, on GC column 1 only 2 peaks fell within widows for Aloclor-1254 due to matrix effect. In EE02JDL all 5 peaks were within windows demonstrating the effect of dilution upon the matrix.

In closing standard IndAM1 and IndBM1, % D criteria were not met for surrogate DCB on both GC columns. Affected samples were reanalyzed after a successful PEM/IndAM and IndBM. Here again % D criteria were not met on both GC columns for surrogate DCB in the Pem which closed this second analysis. The first analysis is presented in the main data package and the second failing analysis is presented as an addendum.

A Mass Spec was made to confirm the presence of Aroclor 1242 in samples EE02J and EE02Y. However the high oil concentration in the semi-volatile extract impeded these efforts. Analysis of the Pesticides-ECD extract by Mass Spec resulted in no confirmation, but at a level that was above the ECD quantitation.

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.

AMERICAN ANALYTICAL & TECHNICAL SERVICES, INC.

11950 Industriplex Blvd. • Baton Rouge, LA 70809 • Office (225) 753-8650 • Fax (225) 751-7405

SDG 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."

John Troost
GC/MS Supervisor
December 7th, 2000

JT/jj

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 334F12.D

SAMPLE ID: EE02B MATRIX: SOIL
LAB ID: 45956.01 DATE ANALYZED: 11/29/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	062108-25-2	DECANE, 2,6,7-TRIMETHYL-	3.68	150
2)	000629-50-5	TRIDECANE	3.82	215
3)	000630-06-8	HEXATRIACONTANE	4.22	95
4)	000629-59-4	TETRADECANE	4.70	207
5)	000629-62-9	PENTADECANE	4.92	259
6)	000544-76-3	HEXADECANE	5.51	226
7)	002425-54-9	TETRADECANE, 1-CHLORO-	5.80	188
8)	000629-50-5	TRIDECANE	6.10	237
9)	013286-73-2	TRIDECANE, 3-ETHYL-	6.13	571
10)	000593-45-3	OCTADECANE	6.68	254
11)	000638-67-5	TRICOSANE	6.73	310
12)	000593-45-3	OCTADECANE	7.24	352
13)	000295-65-8	CYCLOHEXADECANE	7.54	268
)	000629-62-9	PENTADECANE	7.79	224
)	000638-67-5	TRICOSANE	9.31	123
16)	000646-31-1	TETRACOSANE	10.22	179
17)	055282-27-4	OCTADECANE, 9-ETHYL-9-HEPTYL-	11.86	186

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 334F16.D

SAMPLE ID: EE02E MATRIX: SOIL
LAB ID: 45956.05 DATE ANALYZED: 11/29/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	006975-98-0	DECANE, 2-METHYL-	3.67	104
2)	000629-59-4	TETRADECANE	3.81	180
3)	000638-36-8	HEXADECANE, 2,6,10,14-TETRAMETHYL-	4.70	128
4)	000629-62-9	PENTADECANE	4.92	174
5)	006975-98-0	DECANE, 2-METHYL-	5.50	128
6)	000629-50-5	TRIDECANE	5.79	116
7)	000629-78-7	HEPTADECANE	6.09	122
8)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.13	241
9)	000629-62-9	PENTADECANE	6.67	86
10)	001560-86-7	NONADECANE, 2-METHYL-	6.72	135
11)	000629-92-5	NONADECANE	7.23	94
12)	000629-62-9	PENTADECANE	7.78	86
13)	000112-95-8	EICOSANE	11.46	93
14)	000629-99-2	PENTACOSANE	12.93	105

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 334F17.D

SAMPLE ID: EE02F MATRIX: SOIL
LAB ID: 45956.06 DATE ANALYZED: 11/29/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000111-84-2	NONANE	1.96	183
2)	001072-05-5	HEPTANE, 2,6-DIMETHYL-	3.67	274
3)	000629-50-5	TRIDECANE	3.81	498
4)	001795-15-9	CYCLOHEXANE, OCTYL-	4.10	152
5)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	4.22	210
6)	055045-12-0	TETRADECANE, 4,11-DIMETHYL-	4.70	385
7)	000629-94-7	HENEICOSANE	4.92	586
8)	000544-76-3	HEXADECANE	5.51	464
9)	000000-00-0	2-METHYLOCTADECANE	5.79	401
10)	000629-78-7	HEPTADECANE	6.10	411
11)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.13	792
12)	000629-92-5	NONADECANE	7.24	411
13)	000112-95-8	EICOSANE	7.79	256
[illegible])	000629-94-7	HENEICOSANE	8.32	181
[illegible])	000629-97-0	DOCOSANE	8.82	182
16)	000593-45-3	OCTADECANE	9.30	121
17)	000112-95-8	EICOSANE	10.22	164
18)	000630-01-3	HEXACOSANE	10.65	147
19)	000593-45-3	OCTADECANE	11.86	257
20)	000544-76-3	HEXADECANE	12.60	170

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 334F18.D

SAMPLE ID: EE02G MATRIX: SOIL
LAB ID: 45956.07 DATE ANALYZED: 11/29/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	002207-01-4	CYCLOHEXANE, 1,2-DIMETHYL-, CIS-	2.85	183
2)	000629-50-5	TRIDECANE	3.82	86
3)	017301-27-8	UNDECANE, 2,10-DIMETHYL-	4.23	330
4)	001795-15-9	CYCLOHEXANE, OCTYL-	4.68	152
5)	000593-49-7	HEPTACOSANE	4.71	643
6)	000629-59-4	TETRADECANE	4.93	200
7)	001560-96-9	TRIDECANE, 2-METHYL-	5.32	123
8)	000871-83-0	NONANE, 2-METHYL-	5.47	228
9)	001795-16-0	CYCLOHEXANE, DECYL-	5.91	199
10)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.15	450
11)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	6.76	304
12)	000638-36-8	HEXADECANE, 2,6,10,14-TETRAMETHYL-	8.23	104

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 336F16.D

SAMPLE ID: EE02GDL MATRIX: SOIL
LAB ID: 45956.07DL DATE ANALYZED: 12/01/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000504-44-9	HEXADECANE, 2,6,11,15-TETRAMETHYL-	4.21	429
2)	026429-11-8	HEPTADECANE, 4-METHYL-	4.69	775
3)	006418-43-5	HEXADECANE, 3-METHYL-	5.79	1930
4)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.12	2750
5)	001560-92-5	HEXADECANE, 2-METHYL-	6.73	1943
6)	001560-88-9	OCTADECANE, 2-METHYL-	7.20	468

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 339F13.D

SAMPLE ID: EE02J MATRIX: SOIL
LAB ID: 45956.09 DATE ANALYZED: 12/04/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-50-5	TRIDECANE	3.80	2704
2)	000629-59-4	TETRADECANE	4.33	1632
3)	061141-72-8	DODECANE, 4,6-DIMETHYL-	4.68	1956
4)	000629-62-9	PENTADECANE	4.90	1774
5)	000124-18-5	DECANE	5.18	1313
6)	006418-41-3	TRIDECANE, 3-METHYL-	5.79	11605
7)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.13	76589
8)	003386-33-2	OCTADECANE, 1-CHLORO-	6.35	5038
9)	000629-50-5	TRIDECANE	6.41	2996
10)	001560-93-6	PENTADECANE, 2-METHYL-	6.47	3829
11)	001795-15-9	CYCLOHEXANE, OCTYL-	6.51	4159
12)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	6.74	29475
13)	010544-95-3	OCTADECANE, 4-METHYL-	7.21	5793
)	000593-45-3	OCTADECANE	9.50	6521

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 334F21.D

SAMPLE ID: EE02K MATRIX: SOIL
LAB ID: 45956.10 DATE ANALYZED: 11/29/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000111-84-2	NONANE	1.96	89
2)	007667-55-2	CYCLOHEXANE, 1,2,3-TRIMETHYL-, (1.A	2.29	131
3)	002051-30-1	OCTANE, 2,6-DIMETHYL-	3.67	129
4)	000629-50-5	TRIDECANE	3.82	218
5)	000544-76-3	HEXADECANE	4.70	143
6)	000629-50-5	TRIDECANE	4.92	223
7)	000544-76-3	HEXADECANE	5.51	180
8)	007098-22-8	TETRATETRACONTANE	5.80	167
9)	001560-97-0	DODECANE, 2-METHYL-	6.10	172
10)	000638-36-8	HEXADECANE, 2,6,10,14-TETRAMETHYL-	6.13	365
11)	004923-77-7	CYCLOHEXANE, 1-ETHYL-2-METHYL-, CIS	6.21	85
12)	000593-45-3	OCTADECANE	6.67	130
13)	000111-01-3	SQUALANE	6.73	214
[illegible])	000629-92-5	NONADECANE	7.24	190
[illegible])	000629-62-9	PENTADECANE	7.78	113
16)	021164-95-4	HEXADECANE, 7,9-DIMETHYL-	8.31	108
17)	001560-96-9	TRIDECANE, 2-METHYL-	8.82	100
18)	000630-06-8	HEXATRIACONTANE	10.21	86

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 334F22.D

SAMPLE ID: EE02L MATRIX: SOIL
LAB ID: 45956.11 DATE ANALYZED: 11/29/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	006975-98-0	DECANE, 2-METHYL-	3.68	200
2)	000629-50-5	TRIDECANE	3.82	333
3)	018344-37-1	HEPTADECANE, 2,6,10,14-TETRAMETHYL-	4.23	235
4)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	4.70	441
5)	000629-62-9	PENTADECANE	4.92	628
6)	000544-76-3	HEXADECANE	5.52	540
7)	001560-95-8	TETRADECANE, 2-METHYL-	5.80	412
8)	000629-78-7	HEPTADECANE	6.11	696
9)	013286-73-2	TRIDECANE, 3-ETHYL-	6.15	2087
10)	001560-84-5	EICOSANE, 2-METHYL-	6.75	1072
11)	001560-88-9	OCTADECANE, 2-METHYL-	7.27	1184

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 335F09.D

SAMPLE ID: EE02M MATRIX: SOIL
LAB ID: 45956.12 DATE ANALYZED: 11/30/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	061141-72-8	DODECANE, 4,6-DIMETHYL-	3.67	208
2)	000629-50-5	TRIDECANE	3.81	306
3)	013150-81-7	2,6-DIMETHYLDECANE	4.22	237
4)	018344-37-1	HEPTADECANE, 2,6,10,14-TETRAMETHYL-	4.70	388
5)	000629-62-9	PENTADECANE	4.92	540
6)	000544-76-3	HEXADECANE	5.52	656
7)	000629-78-7	HEPTADECANE	6.12	1510
8)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.15	2744
9)	055044-77-4	CYCLOPENTANE, (2-HEXYLOCTYL)-	6.37	546
10)	000593-45-3	OCTADECANE	6.70	1034
11)	000638-36-8	HEXADECANE, 2,6,10,14-TETRAMETHYL-	6.76	2272
12)	000629-92-5	NONADECANE	7.27	1872

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/06/00 DATA FILE: 341F05.D

SAMPLE ID: EE02N MATRIX: SOIL
LAB ID: 45956.13 DATE ANALYZED: 12/06/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	061141-72-8	DODECANE, 4,6-DIMETHYL-	3.66	209
2)	052199-51-3	CYCLOPENTANE, 1-PENTYL-2-PROPYL-	3.77	151
3)	000629-50-5	TRIDECANE	3.80	341
4)	018344-37-1	HEPTADECANE, 2,6,10,14-TETRAMETHYL-	4.21	370
5)	017312-62-8	DECANE, 5-PROPYL-	4.69	604
6)	000629-62-9	PENTADECANE	4.91	851
7)	000638-68-6	TRIACONTANE	5.50	1027
8)	001560-89-0	HEPTADECANE, 2-METHYL-	5.80	1024
9)	000629-78-7	HEPTADECANE	6.11	2061
10)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.14	3815
11)	000544-85-4	DOTRIACONTANE	6.71	1171
12)	000629-92-5	NONADECANE	7.28	2867
13)	000112-95-8	EICOSANE	7.83	2824

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 335F10.D

SAMPLE ID: EE02Q MATRIX: SOIL
LAB ID: 45956.15 DATE ANALYZED: 11/30/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	002114-42-3	CYCLOHEXANE, 2-PROPENYL-	3.56	221
2)	002051-30-1	OCTANE, 2,6-DIMETHYL-	3.67	126
3)	000629-50-5	TRIDECANE	3.81	321
4)	001678-93-9	CYCLOHEXANE, BUTYL-	4.09	97
5)	018344-37-1	HEPTADECANE, 2,6,10,14-TETRAMETHYL-	4.22	140
6)	055045-12-0	TETRADECANE, 4,11-DIMETHYL-	4.70	300
7)	000629-62-9	PENTADECANE	4.92	660
8)	000112-95-8	EICOSANE	5.51	749
9)	000629-50-5	TRIDECANE	5.88	173
10)	000629-78-7	HEPTADECANE	6.10	631
11)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.14	814
12)	055044-77-4	CYCLOPENTANE, (2-HEXYLOCTYL)-	6.37	329
13)	000593-45-3	OCTADECANE	6.69	638
)	000629-59-4	TETRADECANE	6.74	713
)	000629-92-5	NONADECANE	7.26	845
16)	000112-95-8	EICOSANE	7.80	657
17)	000544-76-3	HEXADECANE	8.33	425

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/06/00 DATA FILE: 341F06.D

SAMPLE ID: EE02R MATRIX: SOIL
LAB ID: 45956.16 DATE ANALYZED: 12/06/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	006783-92-2	CYCLOHEXANE, 1,1,2,3-TETRAMETHYL-	2.27	199
2)	000629-50-5	TRIDECANE	3.79	215
3)	003891-98-3	DODECANE, 2,6,10-TRIMETHYL-	4.20	144
4)	055030-62-1	TRIDECANE, 4,8-DIMETHYL-	4.90	410
5)	000544-76-3	HEXADECANE	5.48	279
6)	000112-40-3	DODECANE	5.77	168
7)	001560-97-0	DODECANE, 2-METHYL-	6.08	310
8)	000000-00-0	1-IODO-2-METHYLNONANE	6.11	716
9)	001560-96-9	TRIDECANE, 2-METHYL-	6.72	325
10)	000112-95-8	EICOSANE	9.90	1009
11)	000630-03-5	NONACOSANE	11.87	529

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 336F07.D

SAMPLE ID: EE02S MATRIX: SOIL
LAB ID: 45956.17 DATE ANALYZED: 12/01/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-50-5	TRIDECANE	3.80	4844
2)	006975-98-0	DECANE, 2-METHYL-	4.21	1476
3)	001560-93-6	PENTADECANE, 2-METHYL-	4.70	3052
4)	000629-62-9	PENTADECANE	4.92	6463
5)	001560-96-9	TRIDECANE, 2-METHYL-	5.23	2334
6)	000544-76-3	HEXADECANE	5.51	8697
7)	001560-89-0	HEPTADECANE, 2-METHYL-	5.80	14140
8)	055334-42-4	DODECANE, 1,2-DIBROMO-	5.89	3703
9)	000629-50-5	TRIDECANE	6.11	11099
10)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.14	12773
11)	000544-76-3	HEXADECANE	6.37	5606
12)	000112-40-3	DODECANE	6.42	2496
13)	000593-45-3	OCTADECANE	6.70	11248
[illegible])	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.75	12634
[illegible])	054833-31-7	CYCLOHEXANE, 1,1'-(1,5-PENTANEDIYL)	7.11	2680
16)	017301-33-6	UNDECANE, 4,8-DIMETHYL-	7.22	4430
17)	000629-92-5	NONADECANE	7.27	21207
18)	000112-95-8	EICOSANE	7.82	17789
19)	000629-94-7	HENEICOSANE	8.35	12501
20)	000629-97-0	DOCOSANE	8.85	3331

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 335F05.D

SAMPLE ID: EE02T MATRIX: SOIL
LAB ID: 45956.18 DATE ANALYZED: 11/30/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	001839-88-9	CYCLOHEXANE, 1,2,3-TRIMETHYL-, (1.A	2.28	190
2)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	3.67	157
3)	000629-50-5	TRIDECANE	3.81	263
4)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	4.70	259
5)	000629-62-9	PENTADECANE	4.91	457
6)	006975-98-0	DECANE, 2-METHYL-	5.50	363
7)	017312-62-8	DECANE, 5-PROPYL-	5.79	305
8)	000629-78-7	HEPTADECANE	6.10	379
9)	055000-52-7	HEXADECANE, 2,6,10-TRIMETHYL-	6.13	944
10)	000629-59-4	TETRADECANE	6.73	378
11)	000629-59-4	TETRADECANE	7.24	489

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 339F05.D

SAMPLE ID: EE02W MATRIX: SOIL
LAB ID: 45956.19 DATE ANALYZED: 12/04/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	001120-21-4	UNDECANE	2.86	1616
2)	000629-50-5	TRIDECANE	3.79	1918
3)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	4.20	1280
4)	026730-12-1	TRIDECANE, 4-METHYL-	4.68	2390
5)	000124-18-5	DECANE	4.90	1689
6)	001120-21-4	UNDECANE	5.18	1951
7)	001560-93-6	PENTADECANE, 2-METHYL-	5.49	1521
8)	006418-43-5	HEXADECANE, 3-METHYL-	5.78	15365
9)	001795-16-0	CYCLOHEXANE, DECYL-	5.87	5070
10)	000629-50-5	TRIDECANE	6.09	3361
11)	001072-05-5	HEPTANE, 2,6-DIMETHYL-	6.34	5265
12)	018435-22-8	TETRADECANE, 3-METHYL-	6.40	3521
13)	013475-75-7	PENTADECANE, 8-HEXYL-	6.47	4733
[illegible])	025117-27-5	NONADECANE, 4-METHYL-	6.73	26790
[illegible])	001678-91-7	CYCLOHEXANE, ETHYL-	7.09	2742
16)	000544-85-4	DOTRIACONTANE	7.20	4647

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 339F06.D

SAMPLE ID: EE02X MATRIX: SOIL
LAB ID: 45956.20 DATE ANALYZED: 12/04/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-78-7	HEPTADECANE	3.79	4198
2)	000629-99-2	PENTACOSANE	4.68	3046
3)	000629-62-9	PENTADECANE	4.91	7688
4)	000124-18-5	DECANE	5.17	1977
5)	000544-76-3	HEXADECANE	5.50	11652
6)	001560-89-0	HEPTADECANE, 2-METHYL-	5.78	13932
7)	000629-78-7	HEPTADECANE	6.09	14422
8)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	6.12	16756
9)	000629-50-5	TRIDECANE	6.40	2607
10)	001560-89-0	HEPTADECANE, 2-METHYL-	6.46	3414
11)	000593-45-3	OCTADECANE	6.68	14595
12)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	6.73	14458
13)	000629-94-7	HENEICOSANE	7.20	4550
[illegible])	000629-92-5	NONADECANE	7.25	19361
[illegible])	000112-95-8	EICOSANE	7.80	17362
16)	000000-00-0	2-METHYLOCTADECANE	8.33	13375
17)	007098-22-8	TETRATETRACONTANE	8.83	4821
18)	000638-67-5	TRICOSANE	9.31	2646
19)	077536-31-3	DOCOSANE, 2,21-DIMETHYL-	10.23	4745
20)	000629-99-2	PENTACOSANE	10.66	2310

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 335F19.D

SAMPLE ID: EE02Y MATRIX: SOIL
LAB ID: 45956.21 DATE ANALYZED: 11/30/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	017312-60-6	UNDECANE, 6-ETHYL-	4.70	5510
2)	000544-76-3	HEXADECANE	5.31	4738
3)	000871-83-0	NONANE, 2-METHYL-	5.46	11679
4)	017301-23-4	UNDECANE, 2,6-DIMETHYL-	5.80	61603
5)	001795-16-0	CYCLOHEXANE, DECYL-	5.90	13004
6)	000124-18-5	DECANE	6.10	6954
7)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.14	160060
8)	002425-54-9	TETRADECANE, 1-CHLORO-	6.37	17802
9)	056292-66-1	TRIDECANE, 2,5-DIMETHYL-	6.42	17244
10)	001795-15-9	CYCLOHEXANE, OCTYL-	6.52	10852
11)	000638-36-8	HEXADECANE, 2,6,10,14-TETRAMETHYL-	6.76	182310
12)	026429-11-8	HEPTADECANE, 4-METHYL-	7.22	51856
13)	001560-93-6	PENTADECANE, 2-METHYL-	8.21	23081

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 339F04.D

SAMPLE ID: EE02P MATRIX: SOIL
LAB ID: 45956.14 DATE ANALYZED: 12/04/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	006975-98-0	DECANE, 2-METHYL-	6.11	1660
2)	000629-50-5	TRIDECANE	6.72	1669

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 336F17.D

SAMPLE ID: EE02H MATRIX: SOIL
LAB ID: 45956.08 DATE ANALYZED: 12/01/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-78-7	HEPTADECANE	3.17	414
2)	006975-98-0	DECANE, 2-METHYL-	3.67	668
3)	074645-98-0	DODECANE, 2,7,10-TRIMETHYL-	4.22	429
4)	000629-99-2	PENTACOSANE	4.69	639
5)	020959-33-5	HEPTADECANE, 7-METHYL-	5.80	1940
6)	002425-54-9	TETRADECANE, 1-CHLORO-	6.37	1138
7)	031295-56-4	DODECANE, 2,6,11-TRIMETHYL-	6.75	9072
8)	000000-00-0	2-METHYLOCTADECANE	7.22	2163

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 334F15.D

SAMPLE ID: EE02C MATRIX: SOIL
LAB ID: 45956.04 DATE ANALYZED: 11/29/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	001678-97-3	CYCLOHEXANE, 1,2,3-TRIMETHYL-	2.29	160
2)	007058-01-7	CYCLOHEXANE, (1-METHYLPROPYL)-	2.36	90
3)	052016-34-6	OCTANE, 2,3,7-TRIMETHYL-	3.67	110
4)	000629-50-5	TRIDECANE	3.81	212
5)	003891-98-3	DODECANE, 2,6,10-TRIMETHYL-	4.22	76
6)	000563-16-6	HEXANE, 3,3-DIMETHYL-	4.70	156
7)	000629-62-9	PENTADECANE	4.92	218
8)	000544-76-3	HEXADECANE	5.51	170
9)	001560-95-8	TETRADECANE, 2-METHYL-	5.79	158
10)	000629-78-7	HEPTADECANE	6.10	172
11)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.13	388
12)	000593-45-3	OCTADECANE	6.67	146
13)	001560-96-9	TRIDECANE, 2-METHYL-	6.73	235
[illegible])	000629-78-7	HEPTADECANE	7.24	197
[illegible])	000629-62-9	PENTADECANE	7.79	120
16)	000112-95-8	EICOSANE	8.31	113
17)	000629-97-0	DOCOSANE	8.81	116
18)	000638-67-5	TRICOSANE	9.30	80
19)	000630-07-9	PENTATRIACONTANE	10.21	82
20)	000112-95-8	EICOSANE	10.65	76

USEPA Contract Laboratory Program
Organic Traffic Report

Case No. 28737
DAS No.
SDG No.

Date Shipped: 11/14/00
Carrier Name: Fed Ex
Airbill: 811215526766
Shipped to:
American Analytical & Technical Services, Inc.
1700 West Albany
Suite C
Broken Arrow OK 74012
(918) 251-2858

Date Received/Received by:
Lab Contract No.: Unit Price:

Transfer To:
Date Received/Received By:
Contract No.: Price:

Sampler (Signature)

Relinquished By:	Date / Time	Received By:
Relinquished By:	Date / Time	Received By:
Relinquished By:	Date / Time 11/15/00 13:0	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
EE02B	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-53785 (Ice Only) (1)	X201	11/13/2000 13:00	MEE02B	
EE02C	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	53786 (1)	X202	11/13/2000 13:30	MEE02C	
EE02E	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-78196 (1)	X203	11/13/2000 14:00	MEE02E	
EE02F	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	78198 (1)	X213	11/13/2000 14:15	MEE02F	
EE02G	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	78200 (1)	X214	11/13/2000 14:45	MEE02G	
EE02H	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	78202 (1)	X221	11/13/2000 15:00	MEE02H	
EE02J	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135749 (1)	X222	11/14/2000 08:30	MEE02J	
EE02K	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135762 (1)	X204	11/14/2000 09:00	MEE02K	
EE02L	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135764 (1)	X205	11/14/2000 09:15	MEE02L	
EE02M	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135766 (1)	X206	11/14/2000 09:30	MEE02M	
EE02N	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135768 (1)	X207	11/14/2000 09:30	MEE02N	
EE02P	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135770 (1)	X208	11/14/2000 09:45	MEE02P	
EE02Q	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135772 (1)	X209	11/14/2000 10:00	MEE02Q	
EE02R	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135774 (1)	X210	11/14/2000 10:25	MEE02R	
EE02S	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135776 (1)	X211	11/14/2000 10:45	MEE02S	
EE02T	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135778 (1)	X223	11/14/2000 11:00	MEE02T	

Shipment for Case Complete? Yes
Sample(s) to be used for Laboratory QC:
Additional Sampler Signature(s):
Chain of Custody Seal Number 26025
Cooler Temperature Upon Receipt:

Analysis Key Below: Concentration: L = Low M = Low/Medium H = High Type/Designate: Composite = C Grab = G
BNA=CLP TCL Semivolatiles,PEST=CLP TCL Pesticide/PCBs

Custody Seal Intact? Shipment Iced?

PR provid 'iminary results. Requests for preliminary results will increase analytical costs.
Send Cop, ontract Laboratory Analytical Services Support, 2000 Edmund Halley Dr, Reston, VA. 20191-34 one. 703/264-9348 Fax 703/264-9222

TR Number: 05-405012729-111400-0002

F2V4.0

USEPA Contract Laboratory Program
Organic Traffic Report

Case No. 28737
DAS No.
SDG No.

Date Shipped: 11/14/00
Carrier Name: Fed Ex
Airbill: 811215526766
Shipped to:
American Analytical & Technical Services, Inc.
1700 West Albany
Suite C
Broken Arrow OK 74012
(918) 251-2858

Date Received/Received by:
Lab Contract No.: Unit Price:

Transfer To:
Date Received/Received By:
Contract No.: Price:

Sampler (Signature) Lance L Range

Relinquished By:	Date / Time	Received By:
Relinquished By:	Date / Time	Received By:
Relinquished By:	Date / Time	Received By:
	11/15/00 13 10	[illegible]

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
EE02W	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135780 (1)	X215	11/14/2000 11:30	MEE02W	
EE02X	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135782 (1)	X212	11/14/2000 11:15	MEE02X	
EE02Y	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-139174 (1)	X217	11/14/2000 12:15	MEE02Y	
EE02Z	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-139194 (1)	X218	11/14/2000 12:30	MEE02Z	
EE030	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-139196 (1)	X219	11/14/2000 12:45	MEE030	
EE031	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-139198 (1)	X220	11/14/2000 13:00	MEE031	
EE032	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-53394 (1)	X216	11/14/2000 12:00	MEE032	

SDG: 33028

Shipment for Case Complete? Yes
Sample(s) to be used for Laboratory QC:
Additional Sampler Signature(s):
Chain of Custody Seal Number 20025
Cooler Temperature Upon Receipt:

Analysis Key Below: Concentration: L = Low M = Low/Medium H = High Type/Designate: Composite = C Grab = G
BNA=CLP TCL Semivolatiles,PEST=CLP TCL Pesticide/PCBs

Custody Seal Intact? Shipment Iced?

PR provid[illegible] [illegible]minary results Requests for preliminary results will increase analytical costs
Send Copy [illegible] ontract Laboratory Analytical Services Support, 2000 Edmund Halley Dr, Reston, VA 20191-34[illegible] [illegible]one, 703/264-9348 Fax 703/264-9222

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

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	59	55	65	59	57	46	52	54	0
02	SBLKFF	28	29 *	33	29	30	31	27	29	1
03	EE02B	54	53	61	56	60	61	51	48	0
04	EE02BMS	56	51	60	62	59	59	53	46	0
05	EE02BMSD	44	42	47	45	50	53	44	41	0
06	EE02C	48	44	53	48	51	30	42	42	0
07	EE02E	49	46	53	49	49	36	43	43	0
08	EE02F	57	53	59	59	63	53	52	52	0
09	EE02G	55	56	55	65	67	43	57	55	0
10	EE02K	50	45	56	50	53	39	45	45	0
11	EE02L	61	59	60	65	67	51	60	54	0
12	EE02T	52	55	61	59	71	53	55	54	0
13	EE02M	26	24 *	28	25	29	20	23	23	1
14	EE02Q	26	29 *	32	31	34	25	28	28	1
15	EE02S	27	41	49	37	27	24	35	45	0
16	EE02GDL	49	48	53	58	47	34	48	45	0
17	EE02H	48	47	55	60	44	32	48	54	0
18	EE02P	43	53	57	67	5 D	65	51	50	0
19	EE02W	33	32	46	46	47	44	36	51	0
20	EE02X	49	45	63	64	62	53	46	52	0
21	EE02J	19 D	18 D	27	23 D	21 D	18 D	18 D	45	0
22	EE02N	36	32	29	35	35	24	31	29	0
23	EE02R	46	36	36	53	62	46	45	38	0
24										
25										
26										
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

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Level: (low/med) MED

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKFH	34	23 *	33	33	33	48	28	27	1
02	EE02Y	68	42	54	60	54	73	44	44	0
03	EE02YMS	49	43	53	53	51	69	44	46	0
04	EE02YMSD	54	48	49	64	59	70	53	54	0
05	EE02Z	24	40	64	0 D	10 D	30	20	0 D	0
06	EE02ZDL	0 D	24 D	54	420 D	0 D	25	24	0 D	0
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
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.: 28737 SAS No.: SDG No.: EE02B

Matrix Spike - EPA Sample NO.: EE02B Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3500	0	1600	46	26- 90
2-Chlorophenol	3500	0	1600	46	25-102
N-Nitroso-di-n-prop.(1)	2300	0	1100	48	41-126
4-Chloro-3-methylphenol	3500	0	1800	51	26-103
Acenaphthene	2300	47	1100	46	31-137
4-Nitrophenol	3500	0	1800	51	11-114
2,4-Dinitrotoluene	2300	0	1000	43	28- 89
Pentachlorophenol	3500	0	780	22	17-109
Pyrene	2300	400	1400	43	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3500	1400	40	14	35	26- 90
2-Chlorophenol	3500	1400	40	14	50	25-102
N-Nitroso-di-n-prop.(1)	2300	960	42	13	38	41-126
4-Chloro-3-methylphenol	3500	1500	43	17	33	26-103
Acenaphthene	2300	950	39	16	19	31-137
4-Nitrophenol	3500	1500	43	17	50	11-114
2,4-Dinitrotoluene	2300	1000	43	0	47	28- 89
Pentachlorophenol	3500	880	25	13	47	17-109
Pyrene	2300	1100	30 *	36	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:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix Spike - EPA Sample NO.: EE02Y Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	130000	0	54000	42	26- 90
2-Chlorophenol	130000	0	54000	42	25-102
N-Nitroso-di-n-prop.(1)	83000	0	41000	49	41-126
4-Chloro-3-methylphenol	130000	0	64000	49	26-103
Acenaphthene	83000	25000	66000	49	31-137
4-Nitrophenol	130000	0	71000	55	11-114
2,4-Dinitrotoluene	83000	0	32000	39	28- 89
Pentachlorophenol	130000	0	48000	37	17-109
Pyrene	83000	49000	110000	73	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	130000	64000	49	15	35	26- 90
2-Chlorophenol	130000	65000	50	17	50	25-102
N-Nitroso-di-n-prop.(1)	83000	56000	67	31	38	41-126
4-Chloro-3-methylphenol	130000	63000	48	2	33	26-103
Acenaphthene	83000	82000	69	34 *	19	31-137
4-Nitrophenol	130000	140000	108	65 *	50	11-114
2,4-Dinitrotoluene	83000	36000	43	10	47	28- 89
Pentachlorophenol	130000	57000	44	17	47	17-109
Pyrene	83000	210000	194 *	91 *	36	35-142

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

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

* Values outside of QC limits

RPD: 3 out of 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.: 28737 SAS No.: SDG No.: EE02B

Lab File ID: 334F08 Lab Sample ID: MB1120-A

Instrument ID: HPF Date Extracted: 11/20/00

Matrix: (soil/water) SOIL Date Analyzed: 11/29/00

Level:(low/med) LOW Time Analyzed: 1456

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EE02B	45956.01	334F12	11/29/00
02	EE02BMS	45956.02	334F13	11/29/00
03	EE02BMSD	45956.03	334F14	11/29/00
04	EE02C	45956.04	334F15	11/29/00
05	EE02E	45956.05	334F16	11/29/00
06	EE02F	45956.06	334F17	11/29/00
07	EE02G	45956.07	334F18	11/29/00
08	EE02K	45956.10	334F21	11/29/00
09	EE02L	45956.11	334F22	11/29/00
10	EE02T	45956.18	335F05	11/30/00
11	EE02S	45956.17	336F07	12/01/00
12	EE02GDL	45956.07DL	336F16	12/01/00
13	EE02H	45956.08	336F17	12/01/00
14	EE02P	45956.14	339F04	12/04/00
15	EE02W	45956.19	339F05	12/04/00
16	EE02X	45956.20	339F06	12/04/00
17	EE02J	45956.09	339F13	12/04/00
18	EE02N	45956.13	341F05	12/06/00
19	EE02R	45956.16	341F06	12/06/00
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKFF

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Lab File ID: 335F08 Lab Sample ID: MB1122-I

Instrument ID: HPF Date Extracted: 11/22/00

Matrix: (soil/water) SOIL Date Analyzed: 11/30/00

Level: (low/med) LOW Time Analyzed: 1420

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EE02M	45956.12	335F09	11/30/00
02	EE02Q	45956.15	335F10	11/30/00
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO

SBLKFH

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Lab File ID: 335F18 Lab Sample ID: MB1122-A

Instrument ID: HPF Date Extracted: 11/22/00

Matrix: (soil/water) SOIL Date Analyzed: 11/30/00

Level:(low/med) MED Time Analyzed: 1842

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EE02Y	45956.21	335F19	11/30/00
02	EE02YMS	45956.21	335F20	11/30/00
03	EE02YMSD	45956.21	335F21	11/30/00
04	EE02Z	45956.22	339F07	12/04/00
05	EE02ZDL	45956.22DL	340F08	12/05/00
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFE

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: MB1120-A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F08.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 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

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: MB1120-A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F08.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 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	91	J
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be 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.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: MB1120-A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F08.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 Extraction: (Type) SONC

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1		UNKNOWN	2.23	120	J
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFF

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: MB1122-I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F08.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 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.

SBLKFF

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: MB1122-I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F08.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 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.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: MB1122-I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F08.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 Extraction: (Type) SONC

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.06	290	J
2. 540-97-6	CYCLOHEXASILOXANE, DODECAMET	3.88	130	JN
3.	UNKNOWN	8.26	78	J
4.	UNKNOWN	9.71	76	J
5.	UNKNOWN	9.88	150	J
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFH

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: MB1122-A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 335F18.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	10000	U
108-95-2	Phenol	10000	U
111-44-4	bis(2-Chloroethyl)ether	10000	U
95-57-8	2-Chlorophenol	10000	U
95-48-7	2-Methylphenol	10000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U
98-86-2	Acetophenone	10000	U
106-44-5	4-Methylphenol	10000	U
621-64-7	N-Nitroso-di-n-propylamine	10000	U
67-72-1	Hexachloroethane	10000	U
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	U
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
91-20-3	Naphthalene	10000	U
106-47-8	4-Chloroaniline	10000	U
87-68-3	Hexachlorobutadiene	10000	U
105-60-2	Caprolactam	10000	U
59-50-7	4-Chloro-3-methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	U
77-47-4	Hexachlorocyclopentadiene	10000	U
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
92-52-4	1,1'-Biphenyl	10000	U
91-58-7	2-Chloronaphthalene	10000	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	10000	U
606-20-2	2,6-Dinitrotoluene	10000	U
208-96-8	Acenaphthylene	10000	U
99-09-2	3-Nitroaniline	25000	U
83-32-9	Acenaphthene	10000	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFH

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: MB1122-A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 335F18.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	25000	U
100-02-7	4-Nitrophenol	25000	U
132-64-9	Dibenzofuran	10000	U
121-14-2	2,4-Dinitrotoluene	10000	U
84-66-2	Diethylphthalate	10000	U
86-73-7	Fluorene	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	U
100-01-6	4-Nitroaniline	25000	U
534-52-1	4,6-Dinitro-2-methylphenol	25000	U
86-30-6	N-Nitrosodiphenylamine (1)	10000	U
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
1912-24-9	Atrazine	10000	U
87-86-5	Pentachlorophenol	25000	U
85-01-8	Phenanthrene	10000	U
120-12-7	Anthracene	10000	U
86-74-8	Carbazole	10000	U
84-74-2	Di-n-butylphthalate	10000	U
206-44-0	Fluoranthene	10000	U
129-00-0	Pyrene	10000	U
85-68-7	Butylbenzylphthalate	10000	U
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo(a)anthracene	10000	U
218-01-9	Chrysene	10000	U
117-81-7	bis(2-Ethylhexyl)phthalate	10000	U
117-84-0	Di-n-octylphthalate	10000	U
205-99-2	Benzo(b)fluoranthene	10000	U
207-08-9	Benzo(k)fluoranthene	10000	U
50-32-8	Benzo(a)pyrene	10000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10000	U
53-70-3	Dibenz(a,h)anthracene	10000	U
191-24-2	Benzo(g,h,i)perylene	10000	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKFH

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: MB1122-A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 335F18.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 Extraction: (Type) SONC

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29					
30					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02BMS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F13.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 28 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

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	460	U
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	1600	
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	1100	
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	150	J
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	1800	
91-57-6	2-Methylnaphthalene	190	J
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	1100	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02BMS

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F13.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 28 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

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	1200	U
100-02-7	4-Nitrophenol	1800	
132-64-9	Dibenzofuran	56	J
121-14-2	2,4-Dinitrotoluene	1000	
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	80	J
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	780	J
85-01-8	Phenanthrene	400	J
120-12-7	Anthracene	110	J
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	430	J
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	330	J
218-01-9	Chrysene	420	J
117-81-7	bis(2-Ethylhexyl)phthalate	~~130~~ 460	~~B J~~ U
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	270	J
207-08-9	Benzo(k)fluoranthene	140	J
50-32-8	Benzo(a)pyrene	380	J
193-39-5	Indeno(1,2,3-cd)pyrene	140	J
53-70-3	Dibenz(a,h)anthracene	100	J
191-24-2	Benzo(g,h,i)perylene	220	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02BMSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F14.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 28 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

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	460	U
108-95-2	Phenol	1400	
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	1400	
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	960	
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	130	J
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	1500	
91-57-6	2-Methylnaphthalene	170	J
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	950	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02BMSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F14.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 28 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

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	1200	U
100-02-7	4-Nitrophenol	1500	
132-64-9	Dibenzofuran	49	J
121-14-2	2,4-Dinitrotoluene	1000	
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	63	J
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	880	J
85-01-8	Phenanthrene	270	J
120-12-7	Anthracene	80	J
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	290	J
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	240	J
218-01-9	Chrysene	290	J
117-81-7	bis(2-Ethylhexyl)phthalate	~~100~~ 460	Ext
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	180	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	270	J
193-39-5	Indeno(1,2,3-cd)pyrene	110	J
53-70-3	Dibenz(a,h)anthracene	76	J
191-24-2	Benzo(g,h,i)perylene	170	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02YMS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.21

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 335F20.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 40 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	54000	
111-44-4	bis(2-Chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	54000	
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	41000	
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	bis(2-Chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	330000	E
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	64000	
91-57-6	2-Methylnaphthalene	13000	J
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	42000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	42000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	6000	J
99-09-2	3-Nitroaniline	42000	U
83-32-9	Acenaphthene	66000	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02YMS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.21

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 335F20.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 40 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	42000	U
100-02-7	4-Nitrophenol	71000	
132-64-9	Dibenzofuran	13000	J
121-14-2	2,4-Dinitrotoluene	32000	
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	14000	J
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	42000	U
534-52-1	4,6-Dinitro-2-methylphenol	42000	U
86-30-6	N-Nitrosodiphenylamine (1)	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	48000	
85-01-8	Phenanthrene	60000	
120-12-7	Anthracene	23000	
86-74-8	Carbazole	17000	U
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	100000	
129-00-0	Pyrene	110000	
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	29000	
218-01-9	Chrysene	29000	
117-81-7	bis(2-Ethylhexyl)phthalate	2700	J
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	26000	
207-08-9	Benzo(k)fluoranthene	19000	
50-32-8	Benzo(a)pyrene	23000	
193-39-5	Indeno(1,2,3-cd)pyrene	9100	J
53-70-3	Dibenz(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	7500	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02YMSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.21

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 335F21.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 40 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	64000	
111-44-4	bis(2-Chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	65000	
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	56000	
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	bis(2-Chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	330000	E
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	63000	
91-57-6	2-Methylnaphthalene	9700	J
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	42000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	42000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	13000	J
99-09-2	3-Nitroaniline	42000	U
83-32-9	Acenaphthene	82000	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02YMSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.21

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 335F21.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 40 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	42000	U
100-02-7	4-Nitrophenol	140000	E
132-64-9	Dibenzofuran	15000	J
121-14-2	2,4-Dinitrotoluene	36000	
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	27000	
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	42000	U
534-52-1	4,6-Dinitro-2-methylphenol	42000	U
86-30-6	N-Nitrosodiphenylamine (1)	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	57000	
85-01-8	Phenanthrene	170000	E
120-12-7	Anthracene	77000	
86-74-8	Carbazole	3500	J
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	310000	E
129-00-0	Pyrene	210000	E
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	66000	
218-01-9	Chrysene	68000	
117-81-7	bis(2-Ethylhexyl)phthalate	3100	J
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	72000	
207-08-9	Benzo(k)fluoranthene	37000	
50-32-8	Benzo(a)pyrene	55000	
193-39-5	Indeno(1,2,3-cd)pyrene	22000	
53-70-3	Dibenz(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	15000	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02B

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F12.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 28 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

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	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	150	J
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	140	J
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	47	J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02B

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F12.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 28 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

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	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	46	J
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	78	J
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	330	J
120-12-7	Anthracene	110	J
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	390	J
129-00-0	Pyrene	400	J
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	260	J
218-01-9	Chrysene	320	J
117-81-7	bis(2-Ethylhexyl)phthalate	~~170~~ 460	~~B~~ U
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	230	J
207-08-9	Benzo(k)fluoranthene	120	J
50-32-8	Benzo(a)pyrene	300	J
193-39-5	Indeno(1,2,3-cd)pyrene	130	J
53-70-3	Dibenz(a,h)anthracene	86	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.

EE02B

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F12.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 28 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 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	2.24	120	~~BJ~~
2.		UNKNOWN	2.29	140	~~BJ~~
3.		UNKNOWN	2.85	120	J
4.		UNKNOWN	3.07	210	J
5.		UNKNOWN	3.51	98	J
6.		UNKNOWN	3.56	170	J
7.		UNKNOWN	3.60	94	J
8.		UNKNOWN	3.63	100	J
9.		UNKNOWN	4.45	94	J
10.	575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	4.55	140	JN
11.	581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	4.64	280	JN
12.		UNKNOWN	4.81	130	J
13.		UNKNOWN	4.86	130	J
14.	829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	5.28	100	JN
15.		UNKNOWN	6.35	160	J
16.		UNKNOWN	6.51	110	J
17.	613-12-7	ANTHRACENE, 2-METHYL-	7.50	130	JN
18.	57-10-3	HEXADECANOIC ACID	7.64	540	JN
19.		UNKNOWN	8.22	140	J
20.		UNKNOWN	9.90	520	J
21.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	10.01	96	JN
22.	3697-24-3	CHRYSENE, 5-METHYL-	10.90	260	JN
23.	192-97-2	BENZO[E]PYRENE	12.05	160	JN
24.	53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	12.74	140	JN
25.		UNKNOWN	13.05	260	J
26.					
27.					
28.					
29.					
30.					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02C

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F15.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	94	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	62	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	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02C

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F15.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
86-73-7	Fluorene	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	73	J
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenz(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02C

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F15.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 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	1.96	95	J
2.		UNKNOWN	2.10	130	J
3.		UNKNOWN	2.15	150	J
4		UNKNOWN	2.24	120	~~BJ~~
5		UNKNOWN	2.85	170	J
6		UNKNOWN	3.07	210	J
7	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	3.20	91	JN
8		UNKNOWN	3.51	170	J
9		UNKNOWN	3.56	270	J
10.		UNKNOWN	3.63	100	J
11.		UNKNOWN	3.89	250	J
12.	475-03-6	NAPHTHALENE, 1,2,3,4-TETRAHY	4.25	140	JN
13.		UNKNOWN	4.45	170	J
14.		UNKNOWN	4.81	160	J
15.	54789-45-6	3-BUTEN-2-ONE, 1-(2,3,6-TRIM	5.20	98	JN
16.		UNKNOWN	5.24	140	J
17.		UNKNOWN	5.28	91	J
18.		UNKNOWN	5.45	98	J
19.		UNKNOWN	6.36	140	J
20.	529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	6.50	110	JN
21.		UNKNOWN	8.47	130	J
22.		UNKNOWN	8.77	99	J
23.		UNKNOWN	9.89	180	J
24.		UNKNOWN	12.64	100	J
25.					
26.					
27.					
28.					
29.					
30.					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02E

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F16.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 18 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	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.

EE02E

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F16.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 18 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

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

CAS NO.	COMPOUND		Q
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	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be seperated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02E

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F16.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 18 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

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

Number TICs found: 19

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.15	110	J
2.	UNKNOWN	2.29	130	~~BJ~~
3.	UNKNOWN	2.85	98	J
4.	UNKNOWN	3.07	190	J
5. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	3.19	94	JN
6.	UNKNOWN	3.50	130	J
7.	UNKNOWN	3.56	260	J
8.	UNKNOWN	3.60	150	J
9.	UNKNOWN	3.63	95	J
10. 540-97-6	CYCLOHEXASILOXANE, DODECAMET	3.89	190	JN
11. 475-03-6	NAPHTHALENE, 1,2,3,4-TETRAHY	4.25	98	JN
12.	UNKNOWN	4.45	120	J
13.	UNKNOWN	4.81	120	J
14.	UNKNOWN	6.21	83	J
15. 529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	6.50	98	JN
16.	UNKNOWN	7.62	82	J
17.	UNKNOWN	7.84	110	J
18.	UNKNOWN	8.76	100	J
19.	UNKNOWN	9.89	650	J
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02F

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F17.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	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	190	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	95	J
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	110	J
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	70	J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02F

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F17.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	85	J
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	100	J
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	220	J
85-01-8	Phenanthrene	480	
120-12-7	Anthracene	140	J
86-74-8	Carbazole	49	J
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	690	
129-00-0	Pyrene	550	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	310	J
218-01-9	Chrysene	310	J
117-81-7	bis(2-Ethylhexyl)phthalate	~~43~~ 420	B~~J~~ U
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	280	J
207-08-9	Benzo(k)fluoranthene	260	J
50-32-8	Benzo(a)pyrene	340	J
193-39-5	Indeno(1,2,3-cd)pyrene	170	J
53-70-3	Dibenz(a,h)anthracene	74	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.

EE02F

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F17.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.15	220	J
2.		UNKNOWN	2.19	120	~~BJ~~ U
3.		UNKNOWN	2.25	130	~~BJ~~ U
4.		UNKNOWN	2.29	300	~~BJ~~ U
5.		UNKNOWN	2.37	170	J
6.		UNKNOWN	2.76	130	J
7.		UNKNOWN	2.85	270	J
8.	541-02-6	CYCLOPENTASILOXANE, DECAMETH	3.07	350	JN
9.		UNKNOWN	3.12	120	J
10.		UNKNOWN	3.20	120	J
11.	54120-62-6	BENZENE, ETHYL-1,2,4-TRIMETH	3.51	260	JN
12.		UNKNOWN	3.57	320	J
13.		UNKNOWN	3.61	150	J
14.		UNKNOWN	3.63	220	J
15.	475-03-6	NAPHTHALENE, 1,2,3,4-TETRAHY	4.25	210	JN
16.		UNKNOWN	4.45	300	J
17.	581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	4.63	120	JN
18.		UNKNOWN	5.34	110	J
19.		UNKNOWN	5.45	210	J
20.		UNKNOWN	6.36	140	J
21.		UNKNOWN	6.41	110	J
22.		UNKNOWN	6.51	200	J
23.		UNKNOWN	7.10	130	J
24.		UNKNOWN	7.61	190	J
25.		UNKNOWN	7.64	230	J
26.	3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	8.22	130	JN
27.		UNKNOWN	8.49	120	J
28.		UNKNOWN	8.78	120	J
29.		UNKNOWN	9.90	280	J
30.		UNKNOWN	13.05	220	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02G

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F18.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

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	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	2300	
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	500	
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	110	J
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	260	J
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	520	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02G

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F18.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

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	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	820	
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	5600	E
120-12-7	Anthracene	2500	
86-74-8	Carbazole	94	J
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	9500	E
129-00-0	Pyrene	5500	E
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	3400	
218-01-9	Chrysene	3200	
117-81-7	bis(2-Ethylhexyl)phthalate	~~52~~ 420	BJ
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	3400	
207-08-9	Benzo(k)fluoranthene	1300	
50-32-8	Benzo(a)pyrene	3100	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	
53-70-3	Dibenz(a,h)anthracene	69	J
191-24-2	Benzo(g,h,i)perylene	1000	

(1) Cannot be seperated from Diphenylamine

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02G

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F18.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.56	120	J
2. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	4.55	300	JN
3. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	4.64	470	JN
4. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	5.29	240	JN
5. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	5.39	180	JN
6.	UNKNOWN	5.56	140	J
7. 610-48-0	ANTHRACENE, 1-METHYL-	7.52	110	JN
8.	UNKNOWN	7.64	280	J
9. 243-17-4	11H-BENZO[B]FLUORENE	9.32	230	JN
10.	UNKNOWN	10.69	110	J
11. 3351-28-8	CHRYSENE, 1-METHYL-	10.95	100	JN
12. 207-08-9	BENZO[K]FLUORANTHENE	11.91	880	JN
13. 207-08-9	BENZO[K]FLUORANTHENE	12.11	1200	JN
14.	UNKNOWN	13.48	220	J
15.	UNKNOWN	13.52	310	J
16.	UNKNOWN	14.99	200	J
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE030MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F09.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 42 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	43000	U
100-02-7	4-Nitrophenol	43000	U
132-64-9	Dibenzofuran	3800	J
121-14-2	2,4-Dinitrotoluene	17000	U
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	3600	J
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	43000	U
534-52-1	4,6-Dinitro-2-methylphenol	43000	U
86-30-6	N-Nitrosodiphenylamine (1)	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	43000	U
85-01-8	Phenanthrene	26000	
120-12-7	Anthracene	9000	J
86-74-8	Carbazole	1900	J
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	42000	
129-00-0	Pyrene	32000	
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	16000	J
218-01-9	Chrysene	14000	J
117-81-7	bis(2-Ethylhexyl)phthalate	17000	U
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	13000	J
207-08-9	Benzo(k)fluoranthene	10000	J
50-32-8	Benzo(a)pyrene	16000	J
193-39-5	Indeno(1,2,3-cd)pyrene	8800	J
53-70-3	Dibenz(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	13000	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE030MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F09.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 42 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	17000	U
111-44-4	bis(2-Chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	17000	U
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	3300	J
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	bis(2-Chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	45000	
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	3400	J
91-57-6	2-Methylnaphthalene	4000	J
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	43000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	43000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	3500	J
99-09-2	3-Nitroaniline	43000	U
83-32-9	Acenaphthene	6600	J

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE032DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.05DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F12.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 48 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.7 Extraction: (Type) SONC

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE032DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.05DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F12.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 48 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 30.0

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	48000	U
100-02-7	4-Nitrophenol	48000	U
132-64-9	Dibenzofuran	19000	U
121-14-2	2,4-Dinitrotoluene	19000	U
84-66-2	Diethylphthalate	19000	U
86-73-7	Fluorene	19000	U
7005-72-3	4-Chlorophenyl-phenylether	19000	U
100-01-6	4-Nitroaniline	48000	U
534-52-1	4,6-Dinitro-2-methylphenol	48000	U
86-30-6	N-Nitrosodiphenylamine (1)	19000	U
101-55-3	4-Bromophenyl-phenylether	19000	U
118-74-1	Hexachlorobenzene	19000	U
1912-24-9	Atrazine	19000	U
87-86-5	Pentachlorophenol	48000	U
85-01-8	Phenanthrene	6300	DJ
120-12-7	Anthracene	2500	DJ
86-74-8	Carbazole	19000	U
84-74-2	Di-n-butylphthalate	19000	U
206-44-0	Fluoranthene	9900	DJ
129-00-0	Pyrene	7700	DJ
85-68-7	Butylbenzylphthalate	19000	U
91-94-1	3,3'-Dichlorobenzidine	19000	U
56-55-3	Benzo(a)anthracene	4300	DJ
218-01-9	Chrysene	3900	DJ
117-81-7	bis(2-Ethylhexyl)phthalate	19000	U
117-84-0	Di-n-octylphthalate	19000	U
205-99-2	Benzo(b)fluoranthene	2500	DJ
207-08-9	Benzo(k)fluoranthene	3100	DJ
50-32-8	Benzo(a)pyrene	4300	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	2500	DJ
53-70-3	Dibenz(a,h)anthracene	19000	U
191-24-2	Benzo(g,h,i)perylene	4100	DJ

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE032DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.05DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F12.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 48 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 30.0

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	19000	U
108-95-2	Phenol	19000	U
111-44-4	bis(2-Chloroethyl)ether	19000	U
95-57-8	2-Chlorophenol	19000	U
95-48-7	2-Methylphenol	19000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	19000	U
98-86-2	Acetophenone	19000	U
106-44-5	4-Methylphenol	19000	U
621-64-7	N-Nitroso-di-n-propylamine	19000	U
67-72-1	Hexachloroethane	19000	U
98-95-3	Nitrobenzene	19000	U
78-59-1	Isophorone	19000	U
88-75-5	2-Nitrophenol	19000	U
105-67-9	2,4-Dimethylphenol	19000	U
111-91-1	bis(2-Chloroethoxy)methane	19000	U
120-83-2	2,4-Dichlorophenol	19000	U
91-20-3	Naphthalene	6200	DJ
106-47-8	4-Chloroaniline	19000	U
87-68-3	Hexachlorobutadiene	19000	U
105-60-2	Caprolactam	19000	U
59-50-7	4-Chloro-3-methylphenol	19000	U
91-57-6	2-Methylnaphthalene	19000	U
77-47-4	Hexachlorocyclopentadiene	19000	U
88-06-2	2,4,6-Trichlorophenol	19000	U
95-95-4	2,4,5-Trichlorophenol	48000	U
92-52-4	1,1'-Biphenyl	19000	U
91-58-7	2-Chloronaphthalene	19000	U
88-74-4	2-Nitroaniline	48000	U
131-11-3	Dimethylphthalate	19000	U
606-20-2	2,6-Dinitrotoluene	19000	U
208-96-8	Acenaphthylene	19000	U
99-09-2	3-Nitroaniline	48000	U
83-32-9	Acenaphthene	19000	U

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE032

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F17.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 48 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

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. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	4.56	330	JN
2. 571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	4.66	900	JN
3. 7320-53-8	DIBENZOFURAN, 4-METHYL-	5.87	410	JN
4.	UNKNOWN	5.93	350	J
5.	UNKNOWN	6.35	340	J
6.	UNKNOWN	6.56	430	J
7.	1-PHENYL-2-NITROPROPENE	6.66	920	JN
8. 132-65-0	DIBENZOTHIOPHENE	6.72	1000	JN
9.	UNKNOWN	7.01	690	J
10.	UNKNOWN	7.10	410	J
11. 613-12-7	ANTHRACENE, 2-METHYL-	7.54	3300	JN
12.	UNKNOWN	7.70	5100	J
13.	UNKNOWN	7.95	1700	J
14.	UNKNOWN	8.07	1400	J
15. 206-44-0	FLUORANTHENE	8.53	16000	JN
16.	UNKNOWN	8.63	2500	J
17. 243-17-4	11H-BENZO[B]FLUORENE	9.30	290	JN
18.	UNKNOWN	9.86	380	BJ
19. 239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	10.14	360	JN
20.	UNKNOWN	11.17	340	J
21.	UNKNOWN	11.85	480	J
22. 207-08-9	BENZO[K]FLUORANTHENE	12.02	1700	JN
23.	UNKNOWN	12.16	360	J
24. 207-08-9	BENZO[K]FLUORANTHENE	12.21	2400	JN
25.	UNKNOWN	12.85	1400	J
26.	UNKNOWN	13.16	2200	J
27.	UNKNOWN	13.58	1200	J
28.	UNKNOWN	13.84	1200	J
29.	UNKNOWN	13.91	870	J
30.	UNKNOWN	14.23	290	J

5100 000105

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE032

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F17.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 48 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

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	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	1600	
121-14-2	2,4-Dinitrotoluene	630	U
84-66-2	Diethylphthalate	630	U
86-73-7	Fluorene	2500	
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	9300	E
120-12-7	Anthracene	3100	
86-74-8	Carbazole	300	J
84-74-2	Di-n-butylphthalate	630	U
206-44-0	Fluoranthene	11000	E
129-00-0	Pyrene	12000	E
85-68-7	Butylbenzylphthalate	630	U
91-94-1	3,3'-Dichlorobenzidine	630	U
56-55-3	Benzo(a)anthracene	6500	E
218-01-9	Chrysene	5800	E
117-81-7	bis(2-Ethylhexyl)phthalate	760	
117-84-0	Di-n-octylphthalate	630	U
205-99-2	Benzo(b)fluoranthene	5600	E
207-08-9	Benzo(k)fluoranthene	4900	
50-32-8	Benzo(a)pyrene	6200	E
193-39-5	Indeno(1,2,3-cd)pyrene	1900	
53-70-3	Dibenz(a,h)anthracene	670	
191-24-2	Benzo(g,h,i)perylene	1700	

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE032

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F17.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 48 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

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	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	380	J
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	8800	E
106-47-8	4-Chloroaniline	630	U
87-68-3	Hexachlorobutadiene	630	U
105-60-2	Caprolactam	170	J
59-50-7	4-Chloro-3-methylphenol	630	U
91-57-6	2-Methylnaphthalene	1300	
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	200	J
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	830	
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	2000	

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F11.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 58 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.9 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.	582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	4.64	4100	JN
2.		UNKNOWN	5.49	3900	J
3.		UNKNOWN	5.56	4200	J
4.		UNKNOWN	6.65	3700	J
5.		UNKNOWN	7.54	2200	J
6.		UNKNOWN	8.93	3600	J
7.	74685-33-9	3-EICOSENE, (E)-	9.46	17000	JN
8.		UNKNOWN	9.66	11000	J
9.		UNKNOWN	9.84	11000	BJ
10.		UNKNOWN	9.97	8100	J
11.		UNKNOWN	10.56	16000	J
12.		UNKNOWN	10.77	39000	J
13.		UNKNOWN	11.12	7900	J
14.		ACETAMIDE, N-METHYL-N-[4-[4-	11.26	4400	JN
15.		UNKNOWN	11.29	8800	J
16.		UNKNOWN	11.50	5500	J
17.		UNKNOWN	11.76	4100	J
18.		UNKNOWN	11.93	2900	J
19.		UNKNOWN	12.79	8900	J
20.		UNKNOWN	12.97	4300	J
21.		UNKNOWN	13.10	18000	J
22.		UNKNOWN	13.26	8900	J
23.		UNKNOWN	13.46	6700	J
24.		UNKNOWN	13.50	7500	J
25.		UNKNOWN	14.15	2600	J
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F11.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 58 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	20000	U
100-02-7	4-Nitrophenol	20000	U
132-64-9	Dibenzofuran	2500	J
121-14-2	2,4-Dinitrotoluene	7900	U
84-66-2	Diethylphthalate	7900	U
86-73-7	Fluorene	28000	
7005-72-3	4-Chlorophenyl-phenylether	7900	U
100-01-6	4-Nitroaniline	20000	U
534-52-1	4,6-Dinitro-2-methylphenol	20000	U
86-30-6	N-Nitrosodiphenylamine (1)	7900	U
101-55-3	4-Bromophenyl-phenylether	7900	U
118-74-1	Hexachlorobenzene	7900	U
1912-24-9	Atrazine	7900	U
87-86-5	Pentachlorophenol	20000	U
85-01-8	Phenanthrene	26000	
120-12-7	Anthracene	7900	U
86-74-8	Carbazole	7900	U
84-74-2	Di-n-butylphthalate	7900	U
206-44-0	Fluoranthene	29000	
129-00-0	Pyrene	26000	
85-68-7	Butylbenzylphthalate	7900	U
91-94-1	3,3'-Dichlorobenzidine	7900	U
56-55-3	Benzo(a)anthracene	15000	
218-01-9	Chrysene	9900	
117-81-7	bis(2-Ethylhexyl)phthalate	7900	U
117-84-0	Di-n-octylphthalate	7900	U
205-99-2	Benzo(b)fluoranthene	9000	
207-08-9	Benzo(k)fluoranthene	4300	J
50-32-8	Benzo(a)pyrene	7700	J
193-39-5	Indeno(1,2,3-cd)pyrene	2600	J
53-70-3	Dibenz(a,h)anthracene	7900	U
191-24-2	Benzo(g,h,i)perylene	3600	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F11.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 58 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.9 Extraction: (Type) SONC

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

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	7900	U
108-95-2	Phenol	7900	U
111-44-4	bis(2-Chloroethyl)ether	7900	U
95-57-8	2-Chlorophenol	7900	U
95-48-7	2-Methylphenol	7900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	7900	U
98-86-2	Acetophenone	7900	U
106-44-5	4-Methylphenol	7900	U
621-64-7	N-Nitroso-di-n-propylamine	7900	U
67-72-1	Hexachloroethane	7900	U
98-95-3	Nitrobenzene	7900	U
78-59-1	Isophorone	7900	U
88-75-5	2-Nitrophenol	7900	U
105-67-9	2,4-Dimethylphenol	7900	U
111-91-1	bis(2-Chloroethoxy)methane	7900	U
120-83-2	2,4-Dichlorophenol	7900	U
91-20-3	Naphthalene	24000	
106-47-8	4-Chloroaniline	7900	U
87-68-3	Hexachlorobutadiene	7900	U
105-60-2	Caprolactam	7900	U
59-50-7	4-Chloro-3-methylphenol	7900	U
91-57-6	2-Methylnaphthalene	3000	J
77-47-4	Hexachlorocyclopentadiene	7900	U
88-06-2	2,4,6-Trichlorophenol	7900	U
95-95-4	2,4,5-Trichlorophenol	20000	U
92-52-4	1,1'-Biphenyl	7900	U
91-58-7	2-Chloronaphthalene	7900	U
88-74-4	2-Nitroaniline	20000	U
131-11-3	Dimethylphthalate	7900	U
606-20-2	2,6-Dinitrotoluene	7900	U
208-96-8	Acenaphthylene	2300	J
99-09-2	3-Nitroaniline	20000	U
83-32-9	Acenaphthene	4300	J

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F08.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 42 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.61	4200	J
2.	UNKNOWN	7.59	5200	J
3. 192-97-2	BENZO[E]PYRENE	12.04	10000	JN
4.	UNKNOWN	12.71	4400	J
5.	UNKNOWN	13.02	5300	J
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F08.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 42 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	43000	U
100-02-7	4-Nitrophenol	43000	U
132-64-9	Dibenzofuran	3700	J
121-14-2	2,4-Dinitrotoluene	17000	U
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	2700	J
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	43000	U
534-52-1	4,6-Dinitro-2-methylphenol	43000	U
86-30-6	N-Nitrosodiphenylamine (1)	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	43000	U
85-01-8	Phenanthrene	21000	
120-12-7	Anthracene	7100	J
86-74-8	Carbazole	17000	U
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	31000	
129-00-0	Pyrene	23000	
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	13000	J
218-01-9	Chrysene	12000	J
117-81-7	bis(2-Ethylhexyl)phthalate	17000	U
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	10000	J
207-08-9	Benzo(k)fluoranthene	7800	J
50-32-8	Benzo(a)pyrene	13000	J
193-39-5	Indeno(1,2,3-cd)pyrene	7000	J
53-70-3	Dibenz(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	10000	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F08.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 42 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	17000	U
111-44-4	bis(2-Chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	17000	U
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	17000	U
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	bis(2-Chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	44000	
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	17000	U
91-57-6	2-Methylnaphthalene	4200	J
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	43000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	43000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	2800	J
99-09-2	3-Nitroaniline	43000	U
83-32-9	Acenaphthene	4000	J

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKFG

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: MB1122-A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F11.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 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	2.21	130	J
2.		UNKNOWN	3.06	120	J
3.		UNKNOWN	9.88	140	J
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFG

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: MB1122-A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F11.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKFG

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: MB1122-A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F11.D

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 0.0 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

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO

SBLKFG

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Lab File ID: 335F11 Lab Sample ID: MB1122-A

Instrument ID: HPF Date Extracted: 11/22/00

Matrix: (soil/water) SOIL Date Analyzed: 11/30/00

Level:(low/med) LOW Time Analyzed: 1539

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EE032	45960.05	335F17	11/30/00
02	EE030	45960.01	339F08	12/04/00
03	EE030MS	45960.02	339F09	12/04/00
04	EE030MSD	45960.03	339F10	12/04/00
05	EE031	45960.04	339F11	12/04/00
06	EE032DL	45960.05DL	339F12	12/04/00
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

3D
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix Spike - EPA Sample NO.: EE030 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	4300	0	0	0 *	26- 90
2-Chlorophenol	4300	0	0	0 *	25-102
N-Nitroso-di-n-prop.(1)	2900	0	3300	114	41-126
4-Chloro-3-methylphenol	4300	0	3400	79	26-103
Acenaphthene	2900	4000	6600	90	31-137
4-Nitrophenol	4300	0	0	0 *	11-114
2,4-Dinitrotoluene	2900	0	0	0 *	28- 89
Pentachlorophenol	4300	0	0	0 *	17-109
Pyrene	2900	23000	32000	310 *	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	4300	0	0 *	0	35	26- 90
2-Chlorophenol	4300	0	0 *	0	50	25-102
N-Nitroso-di-n-prop.(1)	2900	0	0 *	200 *	38	41-126
4-Chloro-3-methylphenol	4300	2700	63	23	33	26-103
Acenaphthene	2900	5400	48	61 *	19	31-137
4-Nitrophenol	4300	0	0 *	0	50	11-114
2,4-Dinitrotoluene	2900	0	0 *	0	47	28- 89
Pentachlorophenol	4300	0	0 *	0	47	17-109
Pyrene	2900	25000	69	127 *	36	35-142

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

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

* Values outside of QC limits

RPD: 3 out of 9 outside limits
Spike Recovery: 12 out of 18 outside limits

Comments: _____

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TC OU
01	SBLKFG	51	51	62	52	59	47	51	52	0
02	EE032	62	45	68	68	110	56	61	48	0
03	EE030	23	40	54	49	17 D	49	50	0 D	0
04	EE030MS	48	54	66	45	67	80	59	57	0
05	EE030MSD	25	72	62	39	57	68	54	57	0
06	EE031	38	30	56	58	61	25	40	43	0
07	EE032DL	19 D	31	58	26	51	57	42	0 D	0
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
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

USEPA Contract Laboratory Program
Organic Traffic Report

Case No. 28737
DAS No.
SDG No.

Date Shipped: 11/14/00 Carrier Name: Fed Ex AirbIII: 811215526766 Shipped to: American Analytical & Technical Services, Inc. 1700 West Albany Suite C Broken Arrow OK 74012 (918) 251-2858	Date Received/Received by: _____ Lab Contract No.: _____ Unit Price: _____ Transfer To: _____ Date Received/Received By: _____ Contract No.: _____ Price: _____	Sampler (Signature) [signature] Relinquished By: / Date / Time / Received By: Relinquished By: / Date / Time / Received By: Relinquished By: / Date / Time 11/15/00 13 10 / 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
EE02W	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135780 (1)	X215	11/14/2000 11:30	MEE02W	
EE02X	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-135782 (1)	X212	11/14/2000 11:15	MEE02X	
EE02Y	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-139174 (1)	X217	11/14/2000 12:15	MEE02Y	
EE02Z	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-139194 (1)	X218	11/14/2000 12:30	MEE02Z	
EE030	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-139196 (1)	X219	11/14/2000 12:45	MEE030	
EE031	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-139198 (1)	X220	11/14/2000 13:00	MEE031	
EE032	Soil/Sediment / Lance Range	L/G	BNA (21), PEST (21)	5-53394 (1)	X216	11/14/2000 12:00	MEE032	

ORIGINALS FILED WITH CSF
EE02B | 35737
(M) 111700

SDG: EE030
Final -- SDG Sample

Shipment for Case Complete? Yes	Sample(s) to be used for Laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number 20025	Cooler Temperature Upon Receipt:
Analysis Key Below: BNA=CLP TCL Semivolatiles,PEST=CLP TCL Pesticide/PCBs	Concentration: L = Low M = Low/Medium H = High	Type/Designate: Composite = C Grab = G	Custody Seal Intact?	Shipment Iced?

PR p... s 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-...36 Phone 703/264-9348 Fax 703/264-9222

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE:	12/05/00	DATA FILE:	339F12.D
SAMPLE ID:	EE032DL	MATRIX:	SOIL
LAB ID:	45960.05DL	DATE ANALYZED:	12/04/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.10	5479
2)	055030-62-1	TRIDECANE, 4,8-DIMETHYL-	6.71	4788

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE: 12/05/00 DATA FILE: 339F11.D

SAMPLE ID: EE031 MATRIX: SOIL
LAB ID: 45960.04 DATE ANALYZED: 12/04/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-50-5	TRIDECANE	3.81	3134
2)	001560-89-0	HEPTADECANE, 2-METHYL-	5.83	35967
3)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.17	24739
4)	000593-45-3	OCTADECANE	8.26	1885
5)	003386-33-2	OCTADECANE, 1-CHLORO-	9.20	18862
6)	003386-33-2	OCTADECANE, 1-CHLORO-	9.55	10360
7)	004443-61-2	EICOSANE, 9-CYCLOHEXYL-	10.11	5022
8)	000629-97-0	DOCOSANE	10.30	15807
9)	000629-78-7	HEPTADECANE	10.97	10510
10)	055521-27-2	CYCLOHEXANE, 1-(1-TETRADECYLPENTADE	11.95	2660
11)	017312-55-9	DECANE, 3,8-DIMETHYL-	12.56	4243
12)	001124-27-2	CYCLOHEXANE, 1-METHYL-4-(1-METHYLET	13.76	2783

AATSLA
GC/MS LABORATORY : ALKANE REPORT

REPORT DATE:	12/05/00	DATA FILE:	339F08.D
SAMPLE ID:	EE030	MATRIX:	SOIL
LAB ID:	45960.01	DATE ANALYZED:	12/04/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000638-36-8	HEXADECANE, 2,6,10,14-TETRAMETHYL-	6.10	10612
2)	000638-68-6	TRIACONTANE	6.71	11971
3)	000630-03-5	NONACOSANE	7.18	4455

AATSLA
GC/MS LABORATORY : ALKANE REPORT

~~100000~~
00004
120500

REPORT DATE: 12/05/00 DATA FILE: 335F17.D

SAMPLE ID: EE032 MATRIX: SOIL
LAB ID: 45960.05 DATE ANALYZED: 11/30/00

	CAS #	COMPOUND	RT	EST. CONC (UG/KG)
1)	000629-50-5	TRIDECANE	4.72	334
2)	000629-62-9	PENTADECANE	4.94	339
3)	000629-62-9	PENTADECANE	5.54	440
4)	001560-92-5	HEXADECANE, 2-METHYL-	5.83	2056
5)	001921-70-6	PENTADECANE, 2,6,10,14-TETRAMETHYL-	6.17	7715
6)	055334-42-4	DODECANE, 1,2-DIBROMO-	6.41	1212
7)	001560-95-8	TETRADECANE, 2-METHYL-	6.46	444
8)	011295-56-4	DODECANE, 2,6,11-TRIMETHYL-	6.80	6009
9)	053366-38-4	CYCLOPENTANE, (2-METHYLBUTYL)-	7.06	551
10)	025117-26-4	HEXADECANE, 4-METHYL-	7.27	2693
11)	013287-23-5	HEPTADECANE, 8-METHYL-	7.40	993
12)	000295-65-8	CYCLOHEXADECANE	7.57	2398
13)	007667-60-9	CYCLOHEXANE, 1,2,4-TRIMETHYL-, (1.A	7.65	1351
14)	055401-55-3	DOCOSANE, 11-DECYL-	8.28	1988
7)	000112-95-8	EICOSANE	13.03	610
8)	055334-08-2	CYCLOHEXANE, 1,1'-TETRADECYLIDENEBI	13.23	259

AMERICAN ANALYTICAL & TECHNICAL SERVICES, INC.

11950 Industriplex Blvd. • Baton Rouge, LA 70809 • Office (225) 753-8650 • Fax (225) 751-1405

000003

SDG 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."

John Troost
GC/MS Supervisor
December 5th, 2000

JT/jj

AMERICAN ANALYTICAL & TECHNICAL SERVICES, INC.

11950 Industriplex Blvd. • Baton Rouge, LA 70809 • Office (225) 753-8650 • Fax (225) 751-1405

SDG NARRATIVE

The original of the diluted sample is submitted to present lower limits of reporting and enhanced value.

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

Dilutions:

EE031-neat, 5x

In sample EE030 it is noted that due to the complexity of the sample matrix, no peak was resolved as surrogate PCB on GC Column 1. This anomaly was duplicated in the MS for this sample. Recoveries of DCB in other samples of this SDG also reflect matrix effect.

Dilution of 5x on EE031 improved quantitation on AR1254, in the undiluted analysis some AR1254 peaks were masked.

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.

DEC 06 2000

AMERICAN ANALYTICAL & TECHNICAL SERVICES, INC.

11950 Industriplex Blvd. • Baton Rouge, LA 70809 • Office (225) 753-8650 • Fax (225) 751-1405

SDG NARRATIVE

Laboratory Name: AATSLA, Baton Rouge, LA
Case No.: 28737
SDG No.: EE030
Contract: 68-W0-0078

Samples were received November 15th, 2000, 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:
EE030
EE030MS
EE030MSD
EE031
EE032
EE032DL

General: The samples of this SDG were received intact and on ice. The temperature of the samples at receipt was recorded as 5 °C as determined by a non contact thermometer (Raytek Raynger model ST-2). Cooler temperature indicators were not supplied with the coolers. No problems were recorded with the receipt of the samples.

Semi-Volatile Organic Analysis:

Semivolatile holding times were met.

All calibration and surrogate control criteria were within normal limits. Internal standard outliers were observed with the neat analysis of sample EE032. A dilution of this sample passed all internal standard criteria. A matrix influence is indicated.

A thirty fold dilution was required for the sample EE030 which was also slated for MS/MSD. Most of the matrix spike components were diluted out.

All samples of this SDG required dilution to bring target analytes into instrument calibration range. One additional billable is presented in the report:

EE032DL (Dilution)

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 12-6-00

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: Wisconsin Steel (IL)

CASE NUMBER: 28137 SDG NUMBER: EE030

Number and Type of Samples: 3 (Soil)

Sample Numbers: EE030-2

Laboratory: AATS Hrs for Review:

Following are our findings:

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: EED30 CERCLIS No: ILD000849737

Case No: 28737 Site Name/Location: Wisconsin Steel

Contractor or EPA Lab: ATS Data User: EPA

No of Samples: 3 Date Sampled or Date Received: 12-6-00

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: 3 No. of samples received: 3

Received by: Eva M. Dixon / ESAT Date: 12-6-00

Received by LSSS: Eva M. Dixon / ESAT Date: 12-6-00

Review started: 12-18-00 Reviewer Signature: [illegible]

Total time spent on review: 4.5 Date review completed: 12-18-00

Copied by: Eva M. Dixon / ESAT Date: 12-29-00

Mailed to user by: Eva M. Dixon / ESAT Date: 12-29-00

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: ____

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE030
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	EE032		PBLK1							
Sampling Location :	X216									
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
Date Sampled :	11/14/2000									
Time Sampled :	12:00									
%Moisture :	48		N/A							
pH :	8.7		7.0							
Dilution Factor :	1.0		1.0							
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	3.3	UJ	1.7	UJ						
beta-BHC	3.3	U	1.7	U						
delta-BHC	3.3	UJ	1.7	UJ						
gamma-BHC (Lindane)	3.3	UJ	1.7	UJ						
Heptachlor	3.3	U	1.7	U						
Aldrin	3.3	U	1.7	U						
Heptachlor epoxide	3.3	U	1.7	U						
Endosulfan I	3.3	U	1.7	U						
Dieldrin	6.8	J	3.3	U						
4,4'-DDE	13	J	3.3	U						
Endrin	6.4	U	3.3	U						
Endosulfan II	6.4	U	3.3	U						
4,4'-DDD	6.4	U	3.3	U						
Endosulfan sulfate	7.7	J	3.3	U						
4,4'-DDT	6.4	U	3.3	U						
Methoxychlor	39	J	17	U						
Endrin ketone	16	J	3.3	U						
Endrin aldehyde	7.6	J	3.3	U						
alpha-Chlordane	3.3	U	1.7	U						
gamma-Chlordane	3.0	J	1.7	U						
Toxaphene	330	U	170	U						
Aroclor-1016	63	U	33	U						
Aroclor-1221	130	U	67	U						
Aroclor-1232	63	U	33	U						
Aroclor-1242	730	J	33	U						
Aroclor-1248	63	U	33	U						
Aroclor-1254	220	J	33	U						
Aroclor-1260	63	U	33	U						

Analytical Results (Qualified Data)

Page ____ of ____

Case #: 28737 SDG : EE030

Site : WISCONSIN STEEL

Lab. : AATSLA

Reviewer :

Date :

Number of Soil Samples : 3

Number of Water Samples : 0

Sample Number :	EE030		EE030MS		EE030MSD		EE031		EE031DL	
Sampling Location :	X219		X219		X219		X220		X220	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	12:45		12:45		12:45		13:00		13:00	
%Moisture :	42		42		42		58		58	
pH :	8.5		8.5		8.5		8.8		8.8	
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	2.9	R	2.9	R	2.9	UJ	4.1	UJ	20	UJ
beta-BHC	2.9	R	2.9	R	2.9	U	4.1	U	20	U
delta-BHC	2.9	R	2.9	R	2.9	UJ	4.1	UJ	20	UJ
gamma-BHC (Lindane)	2.9	R	21	J	23	J	4.1	UJ	20	UJ
Heptachlor	2.9	R	21	J	23	J	4.1	U	20	U
Aldrin	2.9	R	21	J	21	J	4.1	U	20	U
Heptachlor epoxide	2.9	R	2.9	R	2.9	U	4.1	U	20	U
Endosulfan I	2.9	R	2.9	R	2.9	U	4.1	U	20	U
Dieldrin	9.2	J	45	J	47	J	22	J	56	J
4,4'-DDE	17	J	17	J	12	J	97	J	70	J
Endrin	26	J	50	J	54	J	140	J	39	U
Endosulfan II	5.7	R	5.7	R	5.7	U	7.9	U	39	U
4,4'-DDD	5.7	R	5.7	R	5.7	U	7.9	U	39	U
Endosulfan sulfate	5.7	R	46	J	5.7	U	40	J	42	J
4,4'-DDT	25	J	56	J	60	J	220	J	39	U
Methoxychlor	29	R	29	R	29	U	40	U	70	J
Endrin ketone	21	J	23	J	50	J	7.9	U	41	J
Endrin aldehyde	5.7	R	5.7	R	5.7	U	7.9	U	59	J
alpha-Chlordane	2.9	R	2.9	R	2.9	U	4.1	U	20	U
gamma-Chlordane	2.9	R	2.9	R	2.9	U	31	J	31	J
Toxaphene	290	R	290	R	290	U	400	U	2000	U
Aroclor-1016	57	R	57	R	57	U	79	U	390	U
Aroclor-1221	120	R	120	R	120	U	160	U	800	U
Aroclor-1232	57	R	57	R	57	U	79	U	390	U
Aroclor-1242	710	J	780	J	620	J	3800	J	4600	J
Aroclor-1248	57	R	57	R	57	U	79	U	390	U
Aroclor-1254	370	J	390	J	340	J	540	J	1800	J
Aroclor-1260	57	R	57	R	57	U	79	U	390	U

Analytical Results (Qualified Data)

Page ____ of ____

Case #: 28737 SDG : EE030
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	EE032DL		SBLKFG							
Sampling Location :	X216									
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
Date Sampled :	11/14/2000									
Time Sampled :	12:00									
%Moisture :	48		N/A							
pH :	8.7		0.0							
Dilution Factor :	30.0		1.0							
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	48000	U	830	U						
4-Nitrophenol	48000	U	830	UJ						
Dibenzofuran	19000	U	330	U						
2,4-Dinitrotoluene	19000	U	330	U						
Diethylphthalate	19000	U	330	U						
Fluorene	19000	U	330	U						
4-Chlorophenyl-phenyl ether	19000	U	330	U						
4-Nitroaniline	48000	U	830	U						
4,6-Dinitro-2-methylphenol	48000	UJ	830	U						
N-Nitrosodiphenylamine	19000	U	330	U						
4-Bromophenyl-phenylether	19000	U	330	U						
Hexachlorobenzene	19000	U	330	U						
Atrazine	19000	UJ	330	U						
Pentachlorophenol	48000	UJ	830	U						
Phenanthrene	6300	J	330	U						
Anthracene	2500	J	330	U						
Carbazole	19000	UJ	330	U						
Di-n-butylphthalate	19000	U	330	U						
Fluoranthene	9900	J	330	U						
Pyrene	7700	J	330	U						
Butylbenzylphthalate	19000	U	330	U						
3,3'-Dichlorobenzidine	19000	U	330	U						
Benzo(a)anthracene	4300	J	330	U						
Chrysene	3900	J	330	U						
bis(2-Ethylhexyl)phthalate	19000	U	330	U						
Di-n-octylphthalate	19000	U	330	U						
Benzo(b)fluoranthene	2500	J	330	U						
Benzo(k)fluoranthene	3100	J	330	U						
Benzo(a)pyrene	4300	J	330	U						
Indeno(1,2,3-cd)pyrene	2500	J	330	U						
Dibenzo(a,h)anthracene	19000	U	330	U						
Benzo(g,h,i)perylene	4100	J	330	U						

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE030
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	EE030		EE030MS		EE030MSD		EE031		EE032	
Sampling Location :	X219		X219		X219		X220		X216	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	12:45		12:45		12:45		13:00		12:00	
%Moisture :	42		42		42		58		48	
pH :	8.5		8.5		8.5		8.9		8.7	
Dilution Factor :	30.0		30.0		30.0		10.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	43000	U	43000	U	43000	U	20000	U	1600	U
4-Nitrophenol	43000	R	43000	U	43000	U	20000	U	1600	UJ
Dibenzofuran	3700	J	3800	J	2900	J	2500	J	1600	
2,4-Dinitrotoluene	17000	R	17000	U	17000	U	7900	U	630	U
Diethylphthalate	17000	U	17000	U	17000	U	7900	U	630	U
Fluorene	2700	J	3600	J	3700	J	28000		2500	
4-Chlorophenyl-phenyl ether	17000	U	17000	U	17000	U	7900	U	630	U
4-Nitroaniline	43000	U	43000	U	43000	U	20000	U	1600	U
4,6-Dinitro-2-methylphenol	43000	UJ	43000	UJ	43000	UJ	20000	UJ	1600	UJ
N-Nitrosodiphenylamine	17000	U	17000	U	17000	U	7900	U	630	UJ
4-Bromophenyl-phenylether	17000	U	17000	U	17000	U	7900	U	630	UJ
Hexachlorobenzene	17000	U	17000	U	17000	U	7900	U	630	UJ
Atrazine	17000	UJ	17000	UJ	17000	UJ	7900	UJ	630	UJ
Pentachlorophenol	43000	R	43000	UJ	43000	UJ	20000	UJ	1600	UJ
Phenanthrene	21000		26000		21000		26000		9300	J
Anthracene	7100	J	9000	J	7400	J	7900	U	3100	J
Carbazole	17000	UJ	1900	J	1900	J	7900	UJ	300	J
Di-n-butylphthalate	17000	U	17000	U	17000	U	7900	U	630	UJ
Fluoranthene	31000		42000		32000		29000		11000	J
Pyrene	23000	UJ	32000		25000		26000		12000	J
Butylbenzylphthalate	17000	U	17000	U	17000	U	7900	U	630	UJ
3,3'-Dichlorobenzidine	17000	U	17000	U	17000	U	7900	U	630	UJ
Benzo(a)anthracene	13000	J	16000	J	13000	J	15000		6500	J
Chrysene	12000	J	14000	J	12000	J	9900		5800	J
bis(2-Ethylhexyl)phthalate	17000	U	17000	U	17000	U	7900	U	760	J
Di-n-octylphthalate	17000	U	17000	U	17000	U	7900	U	630	U
Benzo(b)fluoranthene	10000	J	13000	J	8100	J	9000		5600	
Benzo(k)fluoranthene	7800	J	10000	J	11000	J	4300	J	4900	
Benzo(a)pyrene	13000	J	16000	J	13000	J	7700	J	6200	
Indeno(1,2,3-cd)pyrene	7000	J	8800	J	7400	J	2600	J	1900	
Dibenzo(a,h)anthracene	17000	U	17000	U	17000	U	7900	U	670	
Benzo(g,h,i)perylene	10000	J	13000	J	11000	J	3600	J	1700	

Analytical Results (Qualified Data)

Case #: 28737 SDG : EE030
Site : WISCONSIN STEEL
Lab. : AATSLA
Reviewer :
Date :

Sample Number :	EE032DL		SBLKFG							
Sampling Location :	X216									
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
Date Sampled :	11/14/2000									
Time Sampled :	12:00									
%Moisture :	48		N/A							
pH :	8.7		0.0							
Dilution Factor :	30.0		1.0							
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	19000	UJ	330	U						
Phenol	19000	U	330	U						
bis-(2-Chloroethyl) ether	19000	U	330	U						
2-Chlorophenol	19000	U	330	U						
2-Methylphenol	19000	U	330	U						
2,2'-oxybis(1-Chloropropane)	19000	U	330	U						
Acetophenone	19000	U	330	U						
4-Methylphenol	19000	U	330	U						
N-Nitroso-di-n-propylamine	19000	U	330	U						
Hexachloroethane	19000	U	330	U						
Nitrobenzene	19000	U	330	U						
Isophorone	19000	U	330	U						
2-Nitrophenol	19000	U	330	U						
2,4-Dimethylphenol	19000	U	330	U						
bis(2-Chloroethoxy)methane	19000	U	330	U						
2,4-Dichlorophenol	19000	U	330	U						
Naphthalene	6200	J	330	U						
4-Chloroaniline	19000	R	330	R						
Hexachlorobutadiene	19000	U	330	U						
Caprolactam	19000	U	330	U						
4-Chloro-3-methylphenol	19000	U	330	U						
2-Methylnaphthalene	19000	U	330	U						
Hexachlorocyclopentadiene	19000	UJ	330	UJ						
2,4,6-Trichlorophenol	19000	U	330	U						
2,4,5-Trichlorophenol	48000	UJ	830	U						
1,1'-Biphenyl	19000	U	330	U						
2-Chloronaphthalene	19000	U	330	U						
2-Nitroaniline	48000	U	830	U						
Dimethylphthalate	19000	U	330	U						
2,6-Dinitrotoluene	19000	U	330	U						
Acenaphthylene	19000	U	330	U						
3-Nitroaniline	48000	U	830	U						
Acenaphthene	19000	U	330	U						

Analytical Results (Qualified Data)

Page ____ of ____

Case #: 28737 SDG : EE030

Site : WISCONSIN STEEL

Lab. : AATSLA

Reviewer :

Date :

Number of Soil Samples : 3

Number of Water Samples : 0

Sample Number :	EE030		EE030MS		EE030MSD		EE031		EE032	
Sampling Location :	X219		X219		X219		X220		X216	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	12:45		12:45		12:45		13:00		12:00	
%Moisture :	42		42		42		58		48	
pH :	8.5		8.5		8.5		8.9		8.7	
Dilution Factor :	30.0		30.0		30.0		10.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	17000	UJ	17000	UJ	17000	UJ	7900	UJ	630	U
Phenol	17000	R	17000	U	17000	U	7900	U	630	U
bis-(2-Chloroethyl) ether	17000	U	17000	U	17000	U	7900	U	630	U
2-Chlorophenol	17000	R	17000	U	17000	U	7900	U	630	U
2-Methylphenol	17000	U	17000	U	17000	U	7900	U	630	U
2,2'-oxybis(1-Chloropropane)	17000	U	17000	U	17000	U	7900	U	630	U
Acetophenone	17000	U	17000	U	17000	U	7900	U	630	U
4-Methylphenol	17000	U	17000	U	17000	U	7900	U	380	J
N-Nitroso-di-n-propylamine	17000	R	3300	J	17000	U	7900	U	630	U
Hexachloroethane	17000	U	17000	U	17000	U	7900	U	630	U
Nitrobenzene	17000	U	17000	U	17000	U	7900	U	630	U
Isophorone	17000	U	17000	U	17000	U	7900	U	630	U
2-Nitrophenol	17000	U	17000	U	17000	U	7900	U	630	U
2,4-Dimethylphenol	17000	U	17000	U	17000	U	7900	U	630	U
bis(2-Chloroethoxy)methane	17000	U	17000	U	17000	U	7900	U	630	U
2,4-Dichlorophenol	17000	U	17000	U	17000	U	7900	U	630	U
Naphthalene	44000		45000		47000		24000		8800	
4-Chloroaniline	17000	R	17000	R	17000	R	7900	R	630	R
Hexachlorobutadiene	17000	U	17000	U	17000	U	7900	U	630	U
Caprolactam	17000	U	17000	U	17000	U	7900	U	170	J
4-Chloro-3-methylphenol	17000	U	3400	J	2700	J	7900	U	630	U
2-Methylnaphthalene	4200	J	4000	J	3400	J	3000	J	1300	
Hexachlorocyclopentadiene	17000	UJ	17000	UJ	17000	UJ	7900	UJ	630	UJ
2,4,6-Trichlorophenol	17000	U	17000	U	17000	U	7900	U	630	U
2,4,5-Trichlorophenol	43000	UJ	43000	UJ	43000	UJ	20000	UJ	1600	U
1,1'-Biphenyl	17000	U	17000	U	17000	U	7900	U	200	J
2-Chloronaphthalene	17000	U	17000	U	17000	U	7900	U	630	U
2-Nitroaniline	43000	U	43000	U	43000	U	20000	U	1600	U
Dimethylphthalate	17000	U	17000	U	17000	U	7900	U	630	U
2,6-Dinitrotoluene	17000	U	17000	U	17000	U	7900	U	630	U
Acenaphthylene	2800	J	3500	J	2800	J	2300	J	830	
3-Nitroaniline	43000	U	43000	U	43000	U	20000	U	1600	U
Acenaphthene	4000	J	6600	J	5400	J	4300	J	2000	

Semivolatile Analysis Data - EE030
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE030

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	4.61	4200.000	J
	UNKNOWN	7.59	5200.000	J
192-97-2	BENZO[E]PYRENE	12.04	10000.000	JN
	UNKNOWN	12.71	4400.000	J
	UNKNOWN	13.02	5300.000	J

Semivolatile Analysis Data - EE031
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE030

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
582-16-1	NAPHTHALENE,2,7-DIMETHYL-	4.64	4100.000	JN
	UNKNOWN	5.49	3900.000	J
	UNKNOWN	5.56	4200.000	J
	UNKNOWN	6.65	3700.000	J
	UNKNOWN	7.54	2200.000	J
	UNKNOWN	8.93	3600.000	J
74685-33-9	3-EICOSENE,(E)-	9.46	17000.000	JN
	UNKNOWN	9.66	11000.000	J
	UNKNOWN	9.84	11000.000	BJ
	UNKNOWN	9.97	8100.000	J
	UNKNOWN	10.56	16000.000	J
	UNKNOWN	10.77	39000.000	J
	UNKNOWN	11.12	7900.000	J
	ACETAMIDE,N-METHYL-N-[4-[4-METHOXY-1-H	11.26	4400.000	JN
	UNKNOWN	11.29	8800.000	J
	UNKNOWN	11.50	5500.000	J
	UNKNOWN	11.76	4100.000	J
	UNKNOWN	11.93	2900.000	J
	UNKNOWN	12.79	8900.000	J
	UNKNOWN	12.97	4300.000	J
	UNKNOWN	13.10	18000.000	J
	UNKNOWN	13.26	8900.000	J
	UNKNOWN	13.46	6700.000	J
	UNKNOWN	13.50	7500.000	J
	UNKNOWN	14.15	2600.000	J

Semivolatile Analysis Data - SBLKFG
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE030

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	2.21	130.000	J
	UNKNOWN	3.06	120.000	J
	UNKNOWN	9.88	140.000	J

FILE NAME: EE030.SDG DATE: 12/06/2000 TIME: 15:15 CADRE99 PAGE: 1

Semivolatile Analysis Data - EE032
Tentatively Identified Compounds

CASE NO: 28737 LABORATORY: AATSLA
SDG NO: EE030

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
575-43-9	NAPHTHALENE,1,6-DIMETHYL-	4.56	330.000	JN
571-61-9	NAPHTHALENE,1,5-DIMETHYL-	4.66	900.000	JN
7320-53-8	DIBENZOFURAN,4-METHYL-	5.87	410.000	JN
	UNKNOWN	5.93	350.000	J
	UNKNOWN	6.35	340.000	J
	UNKNOWN	6.56	430.000	J
	1-PHENYL-2-NITROPROPENE	6.66	920.000	JN
132-65-0	DIBENZOTHIOPHENE	6.72	1000.000	JN
	UNKNOWN	7.01	690.000	J
	UNKNOWN	7.10	410.000	J
613-12-7	ANTHRACENE,2-METHYL-	7.54	3300.000	JN
	UNKNOWN	7.70	5100.000	J
	UNKNOWN	7.95	1700.000	J
	UNKNOWN	8.07	1400.000	J
206-44-0	FLUORANTHENE	8.53	16000.000	JN
	UNKNOWN	8.63	2500.000	J
243-17-4	11H-BENZO[B]FLUORENE	9.30	290.000	JN
	UNKNOWN	9.86	380.000	BJ
239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPHENE	10.14	360.000	JN
	UNKNOWN	11.17	340.000	J
	UNKNOWN	11.85	480.000	J
207-08-9	BENZO[K]FLUORANTHENE	12.02	1700.000	JN
	UNKNOWN	12.16	360.000	J
207-08-9	BENZO[K]FLUORANTHENE	12.21	2400.000	JN
	UNKNOWN	12.85	1400.000	J
	UNKNOWN	13.16	2200.000	J
	UNKNOWN	13.58	1200.000	J
	UNKNOWN	13.84	1200.000	J
	UNKNOWN	13.91	870.000	J
	UNKNOWN	14.23	290.000	J

FILE NAME: EE030.SDG DATE: 12/06/2000 TIME: 15:15 CADRE99 PAGE: 2

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)
H	Sample result is estimated and biased high.
L	Sample result is estimated and biased low.

NARRATIVE

Case Number : 28737 SDG Number: EE030
Site Name: WISCONSIN STEEL (IL) Laboratory: AATS

EE030MS
gamma-BHC (Lindane), Heptachlor, Aldrin, 4,4'-DDE
Endrin, Endosulfan sulfate, Endrin ketone

EE030MSD
Heptachlor, Aldrin, 4,4'-DDE, Endrin

EE031
Dieldrin, 4,4'-DDE, Endrin, Endosulfan sulfate
gamma-Chlordane, Aroclor-1254

EE031DL
Dieldrin, 4,4'-DDE, Endosulfan sulfate, Methoxychlor
gamma-Chlordane

EE032
Dieldrin, 4,4'-DDE, Endosulfan sulfate, Methoxychlor
Endrin aldehyde, gamma-Chlordane

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

For analyte that exceeded the calibration range in the original sample analysis; the results of the diluted analysis should be considered the sample's analyte concentration.

Reviewed By: W. Ira Wilson/Lockheed Martin/ESAT
Date: December 18, 2000

NARRATIVE

Case Number : 28737 SDG Number: EE030
Site Name: WISCONSIN STEEL (IL) Laboratory: AATS

Benzo(g,h,i)perylene

EE030MS
N-Nitroso-di-n-propylamine, 4-Chloro-3-methylphenol, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene
Carbazole, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE030MSD
4-Chloro-3-methylphenol, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene
Dibenzofuran, Fluorene, Anthracene, Carbazole
Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene
Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE031
2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran
Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

EE032
4-Methylphenol, Caprolactam , 1,1'-Biphenyl , Carbazole

EE032DL
Naphthalene, Phenanthrene, Anthracene, 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

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

EE031DL
Methoxychlor

EE032
gamma-Chlordane

The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria. Hits are qualified "J".

EE030
Dieldrin, 4,4'-DDE, Endrin, 4,4'-DDT
Endrin ketone

Reviewed By: W. Ira Wilson/Lockheed Martin/ESAT
Date: December 18, 2000

NARRATIVE

Case Number : 28737 SDG Number: EE030
Site Name: WISCONSIN STEEL (IL) Laboratory: AATS

detects are flagged "R" in the unspiked sample because the recovery was less than 10%.

EE030MS
Phenol, 2-Chlorophenol, 4-Nitrophenol, 2,4-Dinitrotoluene
Pentachlorophenol, Pyrene.
However, for Pyrene, hits are flagged "J" and nondetects "UJ".

EE030MSD
Phenol, 2-Chlorophenol, N-Nitroso-di-n-propylamine, 4-Nitrophenol
2,4-Dinitrotoluene, Pentachlorophenol

7. FIELD BLANK AND FIELD DUPLICATE

Sample (none) is a Field Blank. Sample (none) is a Field Duplicate of sample (none). Results are not qualified based upon the results of the Field Blanks or Field Duplicates.

8. INTERNAL STANDARDS

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

EE032
4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine, 4-Bromophenyl-phenylether, Hexachlorobenzene, Atrazine , Pentachlorophenol, Phenanthrene, Anthracene Carbazole, Di-n-butylphthalate, Fluoranthene, Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate

9. COMPOUND IDENTIFICATION

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

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

EE030
2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran
Fluorene, Anthracene, Benzo(a)anthracene, Chrysene
Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene

Reviewed By: W. Ira Wilson/Lockheed Martin/ESAT
Date: December 18, 2000

NARRATIVE

Case Number : 28737 SDG Number: EE030
Site Name: WISCONSIN STEEL (IL) Laboratory: AATS

EE030MS
4-Chloroaniline

EE030MSD
4-Chloroaniline

EE031
4-Chloroaniline

EE032
4-Chloroaniline

EE032DL
4-Chloroaniline

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

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.

EE030, EE030MS, EE030MSD, EE031, EE031DL, EE032

The following undiluted pesticide samples have surrogate percent recoveries of less than 10%.
Hits are qualified "J" and non-detects are qualified "R".

EE030, EE030MS

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Hits are flagged "J" and non-detects are flagged "UJ" in the unspiked sample..

EE030MS
N-Nitroso-di-n-propylamine, Acenaphthene, Pyrene

EE030MSD
N-Nitroso-di-n-propylamine, Acenaphthene, Pyrene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Hits are flagged "J" and non-

NARRATIVE

Case Number : 28737 SDG Number: EE030
Site Name: WISCONSIN STEEL (IL) Laboratory: AATS

Pentachlorophenol
EE030, EE030MS, EE030MSD, EE031, EE032DL

Carbazole
EE030, EE030MS, EE030MSD, EE031, EE032DL

Benzo(g h,i)perylene
EE030, EE030MS, EE030MSD, EE031, EE032DL

The following pesticide samples are associated with a three point initial calibration in which the % RSD of calibration factors exceeds criteria.
Hits are qualified "J" and non-detects are qualified "UJ".

EE030
alpha-BHC, delta-BHC, gamma-BHC (Lindane)

EE030MS
alpha-BHC, delta-BHC, gamma-BHC (Lindane)

EE030MSD
alpha-BHC, delta-BHC, gamma-BHC (Lindane)

EE031
alpha-BHC, delta-BHC, gamma-BHC (Lindane)

EE031DL
alpha-BHC, delta-BHC, gamma-BHC (Lindane)

EE032
alpha-BHC, delta-BHC, gamma-BHC (Lindane)

PBLK1
alpha-BHC, delta-BHC, gamma-BHC (Lindane)

4. BLANKS

The blank associated with the following sample was qualified "R" during a previous qualification. Hits and non-detects are not flagged.

EE030
4-Chloroaniline

NARRATIVE

Case Number : 28737 SDG Number: EE030
Site Name: WISCONSIN STEEL (IL) 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

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

4-Chloroaniline
EE030, EE030MS, EE030MSD, EE031, EE032, EE032DL
SBLKFG

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

Benzaldehyde
EE030, EE030MS, EE030MSD, EE031, EE032DL

Hexachlorocyclopentadiene
EE030, EE030MS, EE030MSD, EE031, EE032, EE032DL
SBLKFG

2,4,5-Trichlorophenol
EE030, EE030MS, EE030MSD, EE031, EE032DL

4-Nitrophenol
EE032, SBLKFG

4,6-Dinitro-2-methylphenol
EE030, EE030MS, EE030MSD, EE031, EE032DL

Atrazine
EE030, EE030MS, EE030MSD, EE031, EE032DL

NARRATIVE

Case Number : 28737 SDG Number: EE030
Site Name: WISCONSIN STEEL (IL) Laboratory: AATS

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

Three (3) soil samples, numbered *EE030* through *EE032,* were collected *November14 , 2000.* The lab received the samples on *November 15, 2000* in good condition. All samples were analyzed for the full list of organic analytes for semivolatiles and pesticide/PCBs. All were analyzed according to CLP SOW *OLM04.2* 5/99.

Reviewed By: W. Ira Wilson/Lockheed Martin/ESAT
Date: December 18, 2000

DEC 2 9 2000

NARRATIVE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: Dec. 18 2000

SUBJECT: Review of Data
Received for Review on Dec 7, 2000

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: WISCONSIN STEEL

CASE NUMBER: 28737 SDG NUMBER: EE030

Number and Type of Samples: 3 SOILS

Sample Numbers: EE030 - EE032

Laboratory: AATS Hrs. for Review:

Following are our findings:

RECEIVED
JAN 0 4 2001
IEPA-BOL-FSRS

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

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02ZDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.22D50

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

% Moisture: 27 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/05/00

Injection Volume: 2.0(uL) Dilution Factor: 50.0

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	120	U
319-85-7	beta-BHC	120	U
319-86-8	delta-BHC	120	U
58-89-9	gamma-BHC (Lindane)	120	U
76-44-8	Heptachlor	120	U
309-00-2	Aldrin	120	U
1024-57-3	Heptachlor epoxide	120	U
959-98-8	Endosulfan I	120	U
60-57-1	Dieldrin	230	U
72-55-9	4,4'-DDE	230 ~~13~~	~~DPJ~~ U
72-20-8	Endrin	230	U
33213-65-9	Endosulfan II	230	U
72-54-8	4,4'-DDD	30	DJ
1031-07-8	Endosulfan sulfate	230 ~~57~~	~~DPJ~~ U
50-29-3	4,4'-DDT	230	U
72-43-5	Methoxychlor	1200	U
53494-70-5	Endrin ketone	230 ~~33~~	~~DPJ~~ U
7421-93-4	Endrin aldehyde	230	U
5103-71-9	alpha-Chlordane	120 ~~12~~	~~DPJB~~ U
5103-74-2	gamma-Chlordane	120	U
8001-35-2	Toxaphene	12000	U
12674-11-2	Aroclor-1016	2300	U
11104-28-2	Aroclor-1221	4600	U
11141-16-5	Aroclor-1232	2300	U
53469-21-9	Aroclor-1242	2300	U
12672-29-6	Aroclor-1248	2300	U
11097-69-1	Aroclor-1254	2300	U
11096-82-5	Aroclor-1260	2300	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02Z

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.22D5

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

% Moisture: 27 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/05/00

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	12	U
319-85-7	beta-BHC	16	PJ
319-86-8	delta-BHC	12 ~~0.98~~	~~PJ~~ U
58-89-9	gamma-BHC (Lindane)	12	U
76-44-8	Heptachlor	12 ~~3.0~~	~~PJ~~ U
309-00-2	Aldrin	12	U
1024-57-3	Heptachlor epoxide	12	U
959-98-8	Endosulfan I	12	U
60-57-1	Dieldrin	23 ~~5.4~~	~~PJ~~ U
72-55-9	4,4'-DDE	9.1	PJ
72-20-8	Endrin	6.0	PJ
33213-65-9	Endosulfan II	25	PJ
72-54-8	4,4'-DDD	23	U
1031-07-8	Endosulfan sulfate	120	PJ
50-29-3	4,4'-DDT	18	PJ
72-43-5	Methoxychlor	270	PBJ
53494-70-5	Endrin ketone	56	PJ
7421-93-4	Endrin aldehyde	31	PJ
5103-71-9	alpha-Chlordane	9.7	PJB
5103-74-2	gamma-Chlordane	35	PJ
8001-35-2	Toxaphene	1200	U
12674-11-2	Aroclor-1016	230	U
11104-28-2	Aroclor-1221	460	U
11141-16-5	Aroclor-1232	230	U
53469-21-9	Aroclor-1242	230	U
12672-29-6	Aroclor-1248	230	U
11097-69-1	Aroclor-1254	230	U
11096-82-5	Aroclor-1260	230	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02YDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.21D5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 342E03.D

% Moisture: 40 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/05/00

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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	14	U
319-85-7	beta-BHC	58	DPJ
319-86-8	delta-BHC	14	U
58-89-9	gamma-BHC (Lindane)	14	U
76-44-8	Heptachlor	4.0	DPJ
309-00-2	Aldrin	14	U
1024-57-3	Heptachlor epoxide	3.8	DPJ
959-98-8	Endosulfan I	14	U
60-57-1	Dieldrin	15	DPJ
72-55-9	4,4'-DDE	29	DPJ
72-20-8	Endrin	28	U
33213-65-9	Endosulfan II	24	DPJ
72-54-8	4,4'-DDD	28	U
1031-07-8	Endosulfan sulfate	74	DPJ
50-29-3	4,4'-DDT	22	DPJ
72-43-5	Methoxychlor	64	DPJB
53494-70-5	Endrin ketone	87	DPJ
7421-93-4	Endrin aldehyde	28	D
5103-71-9	alpha-Chlordane	15	DB
5103-74-2	gamma-Chlordane	14	U
8001-35-2	Toxaphene	1400	U
12674-11-2	Aroclor-1016	280	U
11104-28-2	Aroclor-1221	560	U
11141-16-5	Aroclor-1232	280	U
53469-21-9	Aroclor-1242	4800	DX
12672-29-6	Aroclor-1248	280	U
11097-69-1	Aroclor-1254	1100	DX
11096-82-5	Aroclor-1260	280	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02Y

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 342E03.D

% Moisture: 40 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.8	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	46	PE
1024-57-3	Heptachlor epoxide	2.8	U
959-98-8	Endosulfan I	12	P
60-57-1	Dieldrin	18	P
72-55-9	4,4'-DDE	30	P
72-20-8	Endrin	45	P
33213-65-9	Endosulfan II	5.5	U
72-54-8	4,4'-DDD	72	
1031-07-8	Endosulfan sulfate	5.5	U
50-29-3	4,4'-DDT	26	P
72-43-5	Methoxychlor	290	PB
53494-70-5	Endrin ketone	86	PE
7421-93-4	Endrin aldehyde	34	
5103-71-9	alpha-Chlordane	2.8	U
5103-74-2	gamma-Chlordane	10	P
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor-1016	55	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	55	U
53469-21-9	Aroclor-1242	4000	X
12672-29-6	Aroclor-1248	55	U
11097-69-1	Aroclor-1254	370	PX
11096-82-5	Aroclor-1260	55	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02XDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.20D5

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

% Moisture: 49 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/05/00

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	~~0.87~~	~~DPJ~~ U
319-85-7	beta-BHC	8.3	DJ
319-86-8	delta-BHC	17	U
58-89-9	gamma-BHC (Lindane)	17	U
76-44-8	Heptachlor	17	U
309-00-2	Aldrin	17	U
1024-57-3	Heptachlor epoxide	17	U
959-98-8	Endosulfan I	~~1.0~~	~~DPJ~~ U
60-57-1	Dieldrin	19	DPJ
72-55-9	4,4'-DDE	18	DPJ
72-20-8	Endrin	32	U
33213-65-9	Endosulfan II	32	U
72-54-8	4,4'-DDD	32	U
1031-07-8	Endosulfan sulfate	20	DJ
50-29-3	4,4'-DDT	32	U
72-43-5	Methoxychlor	170	U
53494-70-5	Endrin ketone	9.9	DJ
7421-93-4	Endrin aldehyde	17	DPJ
5103-71-9	alpha-Chlordane	~~0.96~~	~~DPJB~~ U
5103-74-2	gamma-Chlordane	10	DPJ
8001-35-2	Toxaphene	1700	U
12674-11-2	Aroclor-1016	320	U
11104-28-2	Aroclor-1221	660	U
11141-16-5	Aroclor-1232	320	U
53469-21-9	Aroclor-1242	1700	DPJ
12672-29-6	Aroclor-1248	320	U
11097-69-1	Aroclor-1254	700	DPJ
11096-82-5	Aroclor-1260	320	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02X

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.20

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

% Moisture: 49 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/04/00

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	0.95	PJ
319-85-7	beta-BHC	8.6	
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	3.9	PJ
959-98-8	Endosulfan I	2.2	PJ
60-57-1	Dieldrin	18	
72-55-9	4,4'-DDE	41	
72-20-8	Endrin	6.5	U
33213-65-9	Endosulfan II	10	PJ
72-54-8	4,4'-DDD	11	PJ
1031-07-8	Endosulfan sulfate	16	PJ
50-29-3	4,4'-DDT	71	
72-43-5	Methoxychlor	33	U
53494-70-5	Endrin ketone	6.5	U
7421-93-4	Endrin aldehyde	6.5	U
5103-71-9	alpha-Chlordane	3.3	U
5103-74-2	gamma-Chlordane	10	PJ
8001-35-2	Toxaphene	330	U
12674-11-2	Aroclor-1016	65	U
11104-28-2	Aroclor-1221	130	U
11141-16-5	Aroclor-1232	65	U
53469-21-9	Aroclor-1242	1500	PJ
12672-29-6	Aroclor-1248	65	U
11097-69-1	Aroclor-1254	370	PJ
11096-82-5	Aroclor-1260	65	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02WDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.19D5

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

% Moisture: 46 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/03/00

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	16 ~~0.56~~	~~DPJ~~ U
319-85-7	beta-BHC	4.6	DPJ
319-86-8	delta-BHC	16	U
58-89-9	gamma-BHC (Lindane)	16	U
76-44-8	Heptachlor	16	U
309-00-2	Aldrin	16	U
1024-57-3	Heptachlor epoxide	16 ~~2.1~~	~~DPJ~~ U
959-98-8	Endosulfan I	16	U
60-57-1	Dieldrin	24	DPJ
72-55-9	4,4'-DDE	22	DPJ
72-20-8	Endrin	31	U
33213-65-9	Endosulfan II	31	U
72-54-8	4,4'-DDD	31	U
1031-07-8	Endosulfan sulfate	24	DPJ
50-29-3	4,4'-DDT	31	U
72-43-5	Methoxychlor	160 ~~11~~	~~DJB~~ U
53494-70-5	Endrin ketone	11	DPJ
7421-93-4	Endrin aldehyde	16	DPJ
5103-71-9	alpha-Chlordane	16 ~~2.9~~	~~DPJB~~ U
5103-74-2	gamma-Chlordane	18	DPJ
8001-35-2	Toxaphene	1600	U
12674-11-2	Aroclor-1016	310	U
11104-28-2	Aroclor-1221	620	U
11141-16-5	Aroclor-1232	310	U
53469-21-9	Aroclor-1242	2500	DPJ
12672-29-6	Aroclor-1248	310	U
11097-69-1	Aroclor-1254	840	D
11096-82-5	Aroclor-1260	310	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02W

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.19

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

% Moisture: 46 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	PJ
319-85-7	beta-BHC	6.5	PJ
319-86-8	delta-BHC	3.1	U
58-89-9	gamma-BHC (Lindane)	3.1	U
76-44-8	Heptachlor	3.1	U
309-00-2	Aldrin	2.4	PJ
1024-57-3	Heptachlor epoxide	4.0	PJ
959-98-8	Endosulfan I	5.1	PJ
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	57	
72-20-8	Endrin	6.1	U
33213-65-9	Endosulfan II	6.1	U
72-54-8	4,4'-DDD	6.1	U
1031-07-8	Endosulfan sulfate	28	PJ
50-29-3	4,4'-DDT	96	E
72-43-5	Methoxychlor	31	U
53494-70-5	Endrin ketone	17	
7421-93-4	Endrin aldehyde	6.1	U
5103-71-9	alpha-Chlordane	3.1	U
5103-74-2	gamma-Chlordane	16	PJ
8001-35-2	Toxaphene	310	U
12674-11-2	Aroclor-1016	61	U
11104-28-2	Aroclor-1221	120	U
11141-16-5	Aroclor-1232	61	U
53469-21-9	Aroclor-1242	2600	PJ
12672-29-6	Aroclor-1248	61	U
11097-69-1	Aroclor-1254	810	
11096-82-5	Aroclor-1260	61	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02T

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.18

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

% Moisture: 56 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.9	U
319-85-7	beta-BHC	3.9	U
319-86-8	delta-BHC	3.9	U
58-89-9	gamma-BHC (Lindane)	3.9	U
76-44-8	Heptachlor	3.9	U
309-00-2	Aldrin	3.9	U
1024-57-3	Heptachlor epoxide	3.9	U
959-98-8	Endosulfan I	3.9	U
60-57-1	Dieldrin	75 ~~0.41~~	~~PJ~~ U
72-55-9	4,4'-DDE	75 ~~1.0~~	~~PJ~~ U
72-20-8	Endrin	7.5	U
33213-65-9	Endosulfan II	7.5	U
72-54-8	4,4'-DDD	75 ~~0.46~~	~~PJ~~ U
1031-07-8	Endosulfan sulfate	75 ~~0.82~~	~~PJ~~ U
50-29-3	4;4'-DDT	7.5	U
72-43-5	Methoxychlor	39 ~~0.56~~	~~JB~~ U
53494-70-5	Endrin ketone	75 ~~0.96~~	~~PJ~~ U
7421-93-4	Endrin aldehyde	75 ~~0.79~~	~~PJ~~ U
5103-71-9	alpha-Chlordane	3.9	U
5103-74-2	gamma-Chlordane	39 ~~0.44~~	~~PJ~~ U
8001-35-2	Toxaphene	390	U
12674-11-2	Aroclor-1016	75	U
11104-28-2	Aroclor-1221	150	U
11141-16-5	Aroclor-1232	75	U
53469-21-9	Aroclor-1242	88	PJ
12672-29-6	Aroclor-1248	75	U
11097-69-1	Aroclor-1254	25	J
11096-82-5	Aroclor-1260	75	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02S

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.17

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

% Moisture: 40 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	6.2	PJ
319-85-7	beta-BHC	9.2	PJ
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	3.2	PJ
1024-57-3	Heptachlor epoxide	6.0	PJ
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	8.3	
72-55-9	4,4'-DDE	10	
72-20-8	Endrin	15	PJ
33213-65-9	Endosulfan II	3.7	PJ
72-54-8	4,4'-DDD	11	PJ
1031-07-8	Endosulfan sulfate	6.9	PJ
50-29-3	4,4'-DDT	19	PJ
72-43-5	Methoxychlor	11	PJB
53494-70-5	Endrin ketone	5.5	U
7421-93-4	Endrin aldehyde	7.2	PJ
5103-71-9	alpha-Chlordane	2.8	U
5103-74-2	gamma-Chlordane	5.3	PJ
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor-1016	55	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	55	U
53469-21-9	Aroclor-1242	360	PJ
12672-29-6	Aroclor-1248	55	U
11097-69-1	Aroclor-1254	140	PJ
11096-82-5	Aroclor-1260	55	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02R

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.16

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

% Moisture: 38 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/02/00

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	27 ~~0.46~~	~~PJ~~ U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	2.3	PJ
72-55-9	4,4'-DDE	2.4	PJ
72-20-8	Endrin	5.3	U
33213-65-9	Endosulfan II	5.3	U
72-54-8	4,4'-DDD	1.4	J
1031-07-8	Endosulfan sulfate	2.6	PJ
50-29-3	4,4'-DDT	5.3	U
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	3.3	PJ
7421-93-4	Endrin aldehyde	3.2	PJ
5103-71-9	alpha-Chlordane	27 ~~0.38~~	~~PJB~~ U
5103-74-2	gamma-Chlordane	1.4	PJ
8001-35-2	Toxaphene	270	U
12674-11-2	Aroclor-1016	53	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	53	U
53469-21-9	Aroclor-1242	200	PJ
12672-29-6	Aroclor-1248	53	U
11097-69-1	Aroclor-1254	69	
11096-82-5	Aroclor-1260	53	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02Q

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.15

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

% Moisture: 27 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/02/00

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	0.25	J
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	23 ~~0.45~~	~~PJ~~ U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	2.7	PJ
72-55-9	4,4'-DDE	3.1	PJ
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	1.6	PJ
1031-07-8	Endosulfan sulfate	4.4	PJ
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	6.4	PJB
53494-70-5	Endrin ketone	3.0	PJ
7421-93-4	Endrin aldehyde	2.3	PJ
5103-71-9	alpha-Chlordane	23 ~~0.52~~	~~PJB~~ U
5103-74-2	gamma-Chlordane	1.7	PJ
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	92	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	290	PJ
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	76	PJ
11096-82-5	Aroclor-1260	45	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02P

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.14

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

% Moisture: 44 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.0	U
319-85-7	beta-BHC	8.3	
319-86-8	delta-BHC	3.0	U
58-89-9	gamma-BHC (Lindane)	3.0	U
76-44-8	Heptachlor	3.0	U
309-00-2	Aldrin	3.0 ~~0.20~~	~~PJ~~ U
1024-57-3	Heptachlor epoxide	3.0 ~~0.46~~	~~PJ~~ U
959-98-8	Endosulfan I	3.0	U
60-57-1	Dieldrin	6.6	PJ
72-55-9	4,4'-DDE	8.7	PJ
72-20-8	Endrin	5.9	U
33213-65-9	Endosulfan II	5.9	U
72-54-8	4,4'-DDD	3.5	J
1031-07-8	Endosulfan sulfate	7.6	PJ
50-29-3	4,4'-DDT	5.9	U
72-43-5	Methoxychlor	30 ~~4.2~~	~~PJB~~ U
53494-70-5	Endrin ketone	8.3	
7421-93-4	Endrin aldehyde	7.8	PJ
5103-71-9	alpha-Chlordane	3.0	U
5103-74-2	gamma-Chlordane	4.1	PJ
8001-35-2	Toxaphene	300	U
12674-11-2	Aroclor-1016	59	U
11104-28-2	Aroclor-1221	120	U
11141-16-5	Aroclor-1232	59	U
53469-21-9	Aroclor-1242	520	PJ
12672-29-6	Aroclor-1248	59	U
11097-69-1	Aroclor-1254	210	
11096-82-5	Aroclor-1260	59	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02N

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.13

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

% Moisture: 52 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/02/00

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	1.1	J
319-85-7	beta-BHC	18	PJ
319-86-8	delta-BHC	3.5	U
58-89-9	gamma-BHC (Lindane)	3.5	U
76-44-8	Heptachlor	3.5	U
309-00-2	Aldrin	1.5	PJ
1024-57-3	Heptachlor epoxide	2.1	PJ
959-98-8	Endosulfan I	8.0	PJ
60-57-1	Dieldrin	16	PJ
72-55-9	4,4'-DDE	19	PJ
72-20-8	Endrin	6.9	U
33213-65-9	Endosulfan II	6.9	U
72-54-8	4,4'-DDD	5.3	PJ
1031-07-8	Endosulfan sulfate	18	PJ
50-29-3	4,4'-DDT	6.9	U
72-43-5	Methoxychlor	17	PJB
53494-70-5	Endrin ketone	9.9	PJ
7421-93-4	Endrin aldehyde	20	
5103-71-9	alpha-Chlordane	4.2	PBJ
5103-74-2	gamma-Chlordane	11	PJ
8001-35-2	Toxaphene	350	U
12674-11-2	Aroclor-1016	69	U
11104-28-2	Aroclor-1221	140	U
11141-16-5	Aroclor-1232	69	U
53469-21-9	Aroclor-1242	1400	PJ
12672-29-6	Aroclor-1248	69	U
11097-69-1	Aroclor-1254	480	
11096-82-5	Aroclor-1260	69	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02M

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.12

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

% Moisture: 50 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/01/00

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	3.4 ~~0.63~~	~~PJ~~ U
319-85-7	beta-BHC	16	PJ
319-86-8	delta-BHC	3.4	U
58-89-9	gamma-BHC (Lindane)	3.4	U
76-44-8	Heptachlor	3.4	U
309-00-2	Aldrin	1.0	PJ
1024-57-3	Heptachlor epoxide	2.4	PJ
959-98-8	Endosulfan I	4.7	PJ
60-57-1	Dieldrin	16	PJ
72-55-9	4,4'-DDE	19	PJ
72-20-8	Endrin	6.6	U
33213-65-9	Endosulfan II	6.6	U
72-54-8	4,4'-DDD	4.6	PJ
1031-07-8	Endosulfan sulfate	14	PJ
50-29-3	4,4'-DDT	6.6	U
72-43-5	Methoxychlor	11	PJB
53494-70-5	Endrin ketone	8.6	PJ
7421-93-4	Endrin aldehyde	15	
5103-71-9	alpha-Chlordane	4.3	PBJ
5103-74-2	gamma-Chlordane	9.3	PJ
8001-35-2	Toxaphene	340	U
12674-11-2	Aroclor-1016	66	U
11104-28-2	Aroclor-1221	130	U
11141-16-5	Aroclor-1232	66	U
53469-21-9	Aroclor-1242	1400	PJ
12672-29-6	Aroclor-1248	66	U
11097-69-1	Aroclor-1254	490	
11096-82-5	Aroclor-1260	66	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02L

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.11

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

% Moisture: 47 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/01/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	32 ~~0.32~~	~~PJ~~ U
319-85-7	beta-BHC	3.2	U
319-86-8	delta-BHC	3.2	U
58-89-9	gamma-BHC (Lindane)	3.2	U
76-44-8	Heptachlor	3.2	U
309-00-2	Aldrin	32 ~~0.22~~	~~PJ~~ U
1024-57-3	Heptachlor epoxide	32 ~~0.28~~	~~PJ~~ U
959-98-8	Endosulfan I	3.2	U
60-57-1	Dieldrin	4.6	PJ
72-55-9	4,4'-DDE	4.9	PJ
72-20-8	Endrin	6.2	U
33213-65-9	Endosulfan II	6.2	U
72-54-8	4,4'-DDD	2.6	J
1031-07-8	Endosulfan sulfate	4.9	PJ
50-29-3	4,4'-DDT	6.2	U
72-43-5	Methoxychlor	32 ~~2.3~~	~~PJB~~ U
53494-70-5	Endrin ketone	3.3	PJ
7421-93-4	Endrin aldehyde	5.1	J
5103-71-9	alpha-Chlordane	3.2	U
5103-74-2	gamma-Chlordane	2.3	PJ
8001-35-2	Toxaphene	320	U
12674-11-2	Aroclor-1016	62	U
11104-28-2	Aroclor-1221	130	U
11141-16-5	Aroclor-1232	62	U
53469-21-9	Aroclor-1242	400	PJ
12672-29-6	Aroclor-1248	62	U
11097-69-1	Aroclor-1254	130	
11096-82-5	Aroclor-1260	62	U

001234

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02K

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.10

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	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	22 ~~0.13~~	~~PJ~~ U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2 ~~0.11~~	~~PJ~~ U
72-55-9	4,4'-DDE	4.2 ~~0.096~~	~~PJ~~ 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 ~~0.17~~	~~PJ~~ U
72-43-5	Methoxychlor	22 0.39	~~PJB~~ U
53494-70-5	Endrin ketone	4.2 0.29	~~PJ~~ U
7421-93-4	Endrin aldehyde	4.2 0.17	~~PJ~~ 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	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

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02JDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.09D5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 342E02.D

% Moisture: 46 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/03/00

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	16 ~~0.69~~	~~DPJ~~ U
319-85-7	beta-BHC	6.2	DPJ
319-86-8	delta-BHC	16	U
58-89-9	gamma-BHC (Lindane)	16	U
76-44-8	Heptachlor	16	U
309-00-2	Aldrin	16	U
1024-57-3	Heptachlor epoxide	4.9	DPJ
959-98-8	Endosulfan I	5.6	DPJ
60-57-1	Dieldrin	40	DPJ
72-55-9	4,4'-DDE	35	DPJ
72-20-8	Endrin	31	U
33213-65-9	Endosulfan II	31	U
72-54-8	4,4'-DDD	31	U
1031-07-8	Endosulfan sulfate	26	DPJ
50-29-3	4,4'-DDT	31	U
72-43-5	Methoxychlor	(61) ~~20~~	~~DJB~~ U
53494-70-5	Endrin ketone	6.0	DPJ
7421-93-4	Endrin aldehyde	26	DPJ
5103-71-9	alpha-Chlordane	5.2	DPJB
5103-74-2	gamma-Chlordane	24	DPJ
8001-35-2	Toxaphene	1600	U
12674-11-2	Aroclor-1016	310	U
11104-28-2	Aroclor-1221	620	U
11141-16-5	Aroclor-1232	310	U
53469-21-9	Aroclor-1242	5100	DPXJ
12672-29-6	Aroclor-1248	310	U
11097-69-1	Aroclor-1254	1300	DXJ
11096-82-5	Aroclor-1260	310	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02J

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 342E02.D

% Moisture: 46 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/02/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.8	PJ
319-85-7	beta-BHC	12	PJ
319-86-8	delta-BHC	3.1	U
58-89-9	gamma-BHC (Lindane)	3.1	U
76-44-8	Heptachlor	3.1	U
309-00-2	Aldrin	3.1	U
1024-57-3	Heptachlor epoxide	15	PJ
959-98-8	Endosulfan I	14	PJ
60-57-1	Dieldrin	43	
72-55-9	4,4'-DDE	86	
72-20-8	Endrin	110	E
33213-65-9	Endosulfan II	6.1	U
72-54-8	4,4'-DDD	86	PJ
1031-07-8	Endosulfan sulfate	35	PJ
50-29-3	4,4'-DDT	140	E
72-43-5	Methoxychlor	52	PBJ
53494-70-5	Endrin ketone	6.1	U
7421-93-4	Endrin aldehyde	6.1	U
5103-71-9	alpha-Chlordane	3.1	U
5103-74-2	gamma-Chlordane	31	PJ
8001-35-2	Toxaphene	310	U
12674-11-2	Aroclor-1016	61	U
11104-28-2	Aroclor-1221	120	U
11141-16-5	Aroclor-1232	61	U
53469-21-9	Aroclor-1242	5500	X
12672-29-6	Aroclor-1248	61	U
11097-69-1	Aroclor-1254	210	PJ
11096-82-5	Aroclor-1260	61	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02H

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.08

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

% Moisture: 39 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/01/00

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	2.8	U
319-85-7	beta-BHC	2.8 ~~0.36~~	~~PJ~~ U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	2.8	U
1024-57-3	Heptachlor epoxide	0.35	J
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	0.36	J
72-55-9	4,4'-DDE	1.3	J
72-20-8	Endrin	5.6 ~~0.69~~	~~PJ~~ U
33213-65-9	Endosulfan II	5.6 ~~0.73~~	~~PJ~~ U
72-54-8	4,4'-DDD	1.0	J
1031-07-8	Endosulfan sulfate	5.6 ~~0.64~~	~~PJ~~ U
50-29-3	4,4'-DDT	0.68	J
72-43-5	Methoxychlor	28 ~~1.1~~	~~PJB~~ U
53494-70-5	Endrin ketone	5.4	U
7421-93-4	Endrin aldehyde	5.6 ~~0.63~~	~~PJ~~ U
5103-71-9	alpha-Chlordane	2.8 ~~0.66~~	~~PJB~~ U
5103-74-2	gamma-Chlordane	2.8 ~~0.16~~	~~PJ~~ U
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor-1016	54	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	54	U
53469-21-9	Aroclor-1242	54	U
12672-29-6	Aroclor-1248	54	U
11097-69-1	Aroclor-1254	54	U
11096-82-5	Aroclor-1260	54	U

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02G

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.07

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/01/00

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	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	22 ~~0.24~~	~~PC~~ U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	0.31	J
72-55-9	4,4'-DDE	4.2 ~~0.17~~	~~PJ~~ U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	0.62	J
72-54-8	4,4'-DDD	4.2 ~~0.72~~	~~PJ~~ U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22 ~~3.6~~	~~PJB~~ U
53494-70-5	Endrin ketone	1.7	J
7421-93-4	Endrin aldehyde	4.2 ~~0.85~~	~~PJ~~ U
5103-71-9	alpha-Chlordane	0.76	PJB
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

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02F

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.06

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/01/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	0.36	J
76-44-8	Heptachlor	2.2	U 5
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	22 ~~0.49~~	~~PJ~~ U
959-98-8	Endosulfan I	22 ~~0.16~~	~~PJ~~ U
60-57-1	Dieldrin	0.43	J
72-55-9	4,4'-DDE	4.2 ~~0.15~~	~~PJ~~ U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2 ~~0.26~~	~~PJ~~ U
72-54-8	4,4'-DDD	4.2 ~~0.29~~	~~PJ~~ U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	0.65	J
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	0.98	J
7421-93-4	Endrin aldehyde	4.2 ~~0.52~~	~~PJ~~ 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	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

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02E

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE023

Matrix: (soil/water) SOIL Lab Sample ID: 45956.05

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

% Moisture: 18 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/01/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	21 ~~0.24~~	~~JB~~ U
53494-70-5	Endrin ketone	40 ~~0.063~~	~~PJ~~ U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	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.

EE02C

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.04

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/01/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	22 ~~0.069~~	~~PJ~~ U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2 ~~0.18~~	~~PJ~~ U
72-55-9	4,4'-DDE	4.2 ~~0.15~~	~~PJ~~ 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 ~~0.096~~	~~PJ~~ U
50-29-3	4,4'-DDT	4.2 0.31	~~PJ~~ U
72-43-5	Methoxychlor	22 0.23	~~PJB~~ U
53494-70-5	Endrin ketone	4.2 0.24	~~PJ~~ U
7421-93-4	Endrin aldehyde	4.2 0.19	~~PJ~~ 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

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02B

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.01

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

% Moisture: 28 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/20/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/02/00

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	0.15	J
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4 ~~0.15~~	~~PJ~~ U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	1.5	PJ
72-55-9	4,4'-DDE	4.6 ~~0.91~~	~~PJ~~ U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	0.65	J
1031-07-8	Endosulfan sulfate	4.6 ~~1.0~~	~~PJ~~ U
50-29-3	4;4'-DDT	4.6	U
72-43-5	Methoxychlor	2.4 ~~0.93~~	~~PJB~~ U
53494-70-5	Endrin ketone	1.1	J
7421-93-4	Endrin aldehyde	4.6 ~~1.0~~	~~PJ~~ U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4 ~~0.53~~	~~PJ~~ U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	93	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK1

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Lab Sample ID: BLK112000I Lab File ID: 10F01488

Matrix: (soil/water) SOIL Extraction: (Type) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 11/20/00

Date Analyzed (1): 12/02/00 Date Analyzed (2): 12/02/00

Time Analyzed (1): 1239 Time Analyzed (2): 1239

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	EE02ZDL	45956.22D50	12/05/00	12/05/00
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

Comments:

001201
PT 12/07/00

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK1

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Lab Sample ID: BLK112000I Lab File ID: 10F01488

Matrix: (soil/water) SOIL Extraction: (Type) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 11/20/00

Date Analyzed (1): 12/02/00 Date Analyzed (2): 12/02/00

Time Analyzed (1): 1239 Time Analyzed (2): 1239

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	EE02BMS	45956.02MS	12/01/00	12/01/00
02	EE02BMSD	45956.03MSD	12/01/00	12/01/00
03	EE02C	45956.04	12/01/00	12/01/00
04	EE02E	45956.05	12/01/00	12/01/00
05	EE02F	45956.06	12/01/00	12/01/00
06	EE02G	45956.07	12/01/00	12/01/00
07	EE02H	45956.08	12/01/00	12/01/00
08	EE02L	45956.11	12/01/00	12/01/00
09	EE02M	45956.12	12/01/00	12/01/00
10	EE02B	45956.01	12/02/00	12/02/00
11	EE02J	45956.09	12/02/00	12/02/00
12	EE02K	45956.10	12/02/00	12/02/00
13	EE02N	45956.13	12/02/00	12/02/00
14	EE02P	45956.14	12/02/00	12/02/00
15	EE02Q	45956.15	12/02/00	12/02/00
16	EE02R	45956.16	12/02/00	12/02/00
17	EE02S	45956.17	12/02/00	12/02/00
18	EE02T	45956.18	12/02/00	12/02/00
19	EE02W	45956.19	12/02/00	12/02/00
20	EE02JDL	45956.09D5	12/03/00	12/03/00
21	EE02WDL	45956.19D5	12/03/00	12/03/00
22	EE02X	45956.20	12/04/00	12/04/00
23	EE02Y	45956.21	12/04/00	12/04/00
24	EE02Z	45956.22D5	12/05/00	12/05/00
25	EE02XDL	45956.20D5	12/05/00	12/05/00
26	EE02YDL	45956.21D5	12/05/00	12/05/00

Comments:

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix Spike - EPA Sample NO.: EE02B

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC(Lindane)	23	0.15	12	52	46-127
Heptachlor	23	0	12	52	35-130
Aldrin	23	0	12	52	34-132
Dieldrin	46	1.5	24	49	31-134
Endrin	46	0	23	50	42-139
4,4'-DDT	46	0	24	52	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	23	13	56	7	50	46-127
Heptachlor	23	13	57	9	31	35-130
Aldrin	23	12	52	0	43	34-132
Dieldrin	46	26	53	8	38	31-134
Endrin	46	24	52	4	45	42-139
4,4'-DDT	46	59	128	84 *	50	23-134

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:

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

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	92	89	95	76			0
02	EE02BMS	62	57	124	102			0
03	EE02BMSD	63	61	77	62			0
04	EE02C	60	60	60	61			0
05	EE02E	60	65	54	57			0
06	EE02F	39	135	48	37			0
07	EE02G	69	63	165*	77			1
08	EE02H	2*	0*	11*	49			3
09	EE02L	71	65	82	47			0
10	EE02M	117	97	105	58			0
11	EE02B	74	76	68	59			0
12	EE02J	95	70	45	53			0
13	EE02K	69	174*	56	63			1
14	EE02N	145	126	114	91			0
15	EE02P	63	56	74	69			0
16	EE02Q	58	52	66	71			0
17	EE02R	92	73	80	85			0
18	EE02S	74	62	32	49			0
19	EE02T	19*	18*	19*	17*			4
20	EE02W	81	56	40	65			0
21	EE02JDL	85	60	92	74			0
22	EE02WDL	76	494D	152D	75			0
23	EE02X	53	48	152*	74			1
24	EE02Y	171*	68	114	473*			2
25	EE02Z	125	102	4379D	548D			0
26	EE02XDL	56	53	311D	113			0
27	EE02YDL	157D	68	1149D	725D			0
28	EE02ZDL	162D	149	4368D	0D			0
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

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02ZDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.22DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 340F08.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/05/00

Injection Volume: 1.0 (uL) Dilution Factor: 200.0

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	7.58	730000	DJ
2.	886-66-8	BENZENE, 1,1'-(1,3-BUTADIYNE	8.50	630000	DJN
3.	192-97-2	BENZO[E]PYRENE	12.01	630000	DJN
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02ZDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.22DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 340F08.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/05/00

Injection Volume: 1.0 (uL) Dilution Factor: 200.0

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	14000000	U
100-02-7	4-Nitrophenol	14000000	U
132-64-9	Dibenzofuran	1200000	DJ
121-14-2	2,4-Dinitrotoluene	5500000	U
84-66-2	Diethylphthalate	5500000	U
86-73-7	Fluorene	1500000	DJ
7005-72-3	4-Chlorophenyl-phenylether	5500000	U
100-01-6	4-Nitroaniline	14000000	U
534-52-1	4,6-Dinitro-2-methylphenol	14000000	U
86-30-6	N-Nitrosodiphenylamine (1)	5500000	U
101-55-3	4-Bromophenyl-phenylether	5500000	U
118-74-1	Hexachlorobenzene	5500000	U
1912-24-9	Atrazine	5500000	U
87-86-5	Pentachlorophenol	14000000	U
85-01-8	Phenanthrene	7400000	D
120-12-7	Anthracene	2000000	DJ
86-74-8	Carbazole	450000	DJ
84-74-2	Di-n-butylphthalate	5500000	U
206-44-0	Fluoranthene	4600000	DJ
129-00-0	Pyrene	4200000	DJ
85-68-7	Butylbenzylphthalate	5500000	U
91-94-1	3,3'-Dichlorobenzidine	5500000	U
56-55-3	Benzo(a)anthracene	1300000	DJ
218-01-9	Chrysene	1300000	DJ
117-81-7	bis(2-Ethylhexyl)phthalate	5500000	U
117-84-0	Di-n-octylphthalate	5500000	U
205-99-2	Benzo(b)fluoranthene	770000	DJ
207-08-9	Benzo(k)fluoranthene	800000	DJ
50-32-8	Benzo(a)pyrene	1200000	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	540000	DJ
53-70-3	Dibenz(a,h)anthracene	5500000	U
191-24-2	Benzo(g,h,i)perylene	760000	DJ

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02ZDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.22DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 340F08.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/05/00

Injection Volume: 1.0 (uL) Dilution Factor: 200.0

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	5500000	U
108-95-2	Phenol	5500000	U
111-44-4	bis(2-Chloroethyl)ether	5500000	U
95-57-8	2-Chlorophenol	5500000	U
95-48-7	2-Methylphenol	5500000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5500000	U
98-86-2	Acetophenone	5500000	U
106-44-5	4-Methylphenol	5500000	U
621-64-7	N-Nitroso-di-n-propylamine	5500000	U
67-72-1	Hexachloroethane	5500000	U
98-95-3	Nitrobenzene	5500000	U
78-59-1	Isophorone	5500000	U
88-75-5	2-Nitrophenol	5500000	U
105-67-9	2,4-Dimethylphenol	5500000	U
111-91-1	bis(2-Chloroethoxy)methane	5500000	U
120-83-2	2,4-Dichlorophenol	5500000	U
91-20-3	Naphthalene	4800000	DJ
106-47-8	4-Chloroaniline	5500000	U
87-68-3	Hexachlorobutadiene	5500000	U
105-60-2	Caprolactam	5500000	U
59-50-7	4-Chloro-3-methylphenol	5500000	U
91-57-6	2-Methylnaphthalene	650000	DJ
77-47-4	Hexachlorocyclopentadiene	5500000	U
88-06-2	2,4,6-Trichlorophenol	5500000	U
95-95-4	2,4,5-Trichlorophenol	14000000	U
92-52-4	1,1'-Biphenyl	5500000	U
91-58-7	2-Chloronaphthalene	5500000	U
88-74-4	2-Nitroaniline	14000000	U
131-11-3	Dimethylphthalate	5500000	U
606-20-2	2,6-Dinitrotoluene	5500000	U
208-96-8	Acenaphthylene	5500000	U
99-09-2	3-Nitroaniline	14000000	U
83-32-9	Acenaphthene	2200000	DJ

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02Z

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.22

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 339F07.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 8.1 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. 132-65-0	DIBENZOTHIOPHENE	6.64	500000	JN
2. 610-48-0	ANTHRACENE, 1-METHYL-	7.48	290000	JN
3. 203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	7.59	1400000	JN
4. 886-66-8	BENZENE, 1,1'-(1,3-BUTADIYNE	8.51	1000000	JN
5. 243-17-4	11H-BENZO[B]FLUORENE	9.16	490000	JN
6. 238-84-6	11H-BENZO[A]FLUORENE	9.24	420000	JN
7.	UNKNOWN	10.05	370000	J
8. 207-08-9	BENZO[K]FLUORANTHENE	11.83	350000	JN
9. 192-97-2	BENZO[E]PYRENE	12.03	690000	JN
10.	UNKNOWN	13.73	330000	J
11.	UNKNOWN	14.93	290000	J
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02Z

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.22

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 339F07.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 100.0

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	3400000	U
100-02-7	4-Nitrophenol	3400000	U
132-64-9	Dibenzofuran	1500000	
121-14-2	2,4-Dinitrotoluene	1400000	U
84-66-2	Diethylphthalate	1400000	U
86-73-7	Fluorene	2000000	
7005-72-3	4-Chlorophenyl-phenylether	1400000	U
100-01-6	4-Nitroaniline	3400000	U
534-52-1	4,6-Dinitro-2-methylphenol	3400000	U
86-30-6	N-Nitrosodiphenylamine (1)	1400000	U
101-55-3	4-Bromophenyl-phenylether	1400000	U
118-74-1	Hexachlorobenzene	1400000	U
1912-24-9	Atrazine	1400000	U
87-86-5	Pentachlorophenol	3400000	U
85-01-8	Phenanthrene	13000000	E
120-12-7	Anthracene	3200000	
86-74-8	Carbazole	630000	J
84-74-2	Di-n-butylphthalate	1400000	U
206-44-0	Fluoranthene	8200000	
129-00-0	Pyrene	6000000	
85-68-7	Butylbenzylphthalate	1400000	U
91-94-1	3,3'-Dichlorobenzidine	1400000	U
56-55-3	Benzo(a)anthracene	1900000	
218-01-9	Chrysene	1600000	
117-81-7	bis(2-Ethylhexyl)phthalate	1400000	U
117-84-0	Di-n-octylphthalate	1400000	U
205-99-2	Benzo(b)fluoranthene	1200000	J
207-08-9	Benzo(k)fluoranthene	1100000	J
50-32-8	Benzo(a)pyrene	1700000	
193-39-5	Indeno(1,2,3-cd)pyrene	820000	J
53-70-3	Dibenz(a,h)anthracene	1400000	U
191-24-2	Benzo(g,h,i)perylene	1200000	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02Z

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.22

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 339F07.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 100.0

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	1400000	U
108-95-2	Phenol	1400000	U
111-44-4	bis(2-Chloroethyl)ether	1400000	U
95-57-8	2-Chlorophenol	1400000	U
95-48-7	2-Methylphenol	1400000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1400000	U
98-86-2	Acetophenone	1400000	U
106-44-5	4-Methylphenol	1400000	U
621-64-7	N-Nitroso-di-n-propylamine	1400000	U
67-72-1	Hexachloroethane	1400000	U
98-95-3	Nitrobenzene	1400000	U
78-59-1	Isophorone	1400000	U
88-75-5	2-Nitrophenol	1400000	U
105-67-9	2,4-Dimethylphenol	1400000	U
111-91-1	bis(2-Chloroethoxy)methane	1400000	U
120-83-2	2,4-Dichlorophenol	1400000	U
91-20-3	Naphthalene	6700000	
106-47-8	4-Chloroaniline	1400000	U
87-68-3	Hexachlorobutadiene	1400000	U
105-60-2	Caprolactam	1400000	U
59-50-7	4-Chloro-3-methylphenol	1400000	U
91-57-6	2-Methylnaphthalene	860000	J
77-47-4	Hexachlorocyclopentadiene	1400000	U
88-06-2	2,4,6-Trichlorophenol	1400000	U
95-95-4	2,4,5-Trichlorophenol	3400000	U
92-52-4	1,1'-Biphenyl	270000	J
91-58-7	2-Chloronaphthalene	1400000	U
88-74-4	2-Nitroaniline	3400000	U
131-11-3	Dimethylphthalate	1400000	U
606-20-2	2,6-Dinitrotoluene	1400000	U
208-96-8	Acenaphthylene	300000	J
99-09-2	3-Nitroaniline	3400000	U
83-32-9	Acenaphthene	3000000	

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02Y

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.21

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 335F19.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 40 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 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	2.05	5000	J
2.		UNKNOWN	3.06	3800	J
3.		UNKNOWN	4.64	3300	J
4.		UNKNOWN	5.56	5300	J
5.		UNKNOWN	6.17	8400	J
6.		UNKNOWN	6.31	5400	J
7.		UNKNOWN	7.64	23000	J
8.		UNKNOWN	12.75	31000	J
9.	36728-72-0	28-NOR-17.BETA.(H)-HOPANE	13.06	26000	JN
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02Y

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.21

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 335F19.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 40 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	42000	U
100-02-7	4-Nitrophenol	42000	U
132-64-9	Dibenzofuran	5500	J
121-14-2	2,4-Dinitrotoluene	17000	U
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	9700	J
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	42000	U
534-52-1	4,6-Dinitro-2-methylphenol	42000	U
86-30-6	N-Nitrosodiphenylamine (1)	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	42000	U
85-01-8	Phenanthrene	39000	
120-12-7	Anthracene	10000	J
86-74-8	Carbazole	17000	U
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	67000	
129-00-0	Pyrene	49000	
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	19000	
218-01-9	Chrysene	19000	
117-81-7	bis(2-Ethylhexyl)phthalate	2800	J
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	19000	
207-08-9	Benzo(k)fluoranthene	14000	J
50-32-8	Benzo(a)pyrene	17000	
193-39-5	Indeno(1,2,3-cd)pyrene	6700	J
53-70-3	Dibenz(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	5200	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02Y

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.21

Sample wt/vol: 1.0 (g/mL) G Lab File ID: 335F19.D

Level: (low/med) MED Date Received: 11/15/00

% Moisture: 40 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	17000	U
111-44-4	bis(2-Chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	17000	U
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	17000	U
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	bis(2-Chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	54000	
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	17000	U
91-57-6	2-Methylnaphthalene	6500	J
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	42000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	42000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	6600	J
99-09-2	3-Nitroaniline	42000	U
83-32-9	Acenaphthene	25000	

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02X

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F06.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 49 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4 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	4.20	1600	J
2.	581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	4.52	2600	JN
3.	581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	4.62	3400	JN
4.		UNKNOWN	4.84	2900	J
5.		UNKNOWN	5.22	3800	J
6.		UNKNOWN	5.32	1800	J
7.	829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	5.36	1700	JN
8.		UNKNOWN	5.87	3900	J
9.		UNKNOWN	6.35	4500	J
10.		UNKNOWN	12.72	2400	J
11.		UNKNOWN	13.03	3900	J
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02X

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F06.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 49 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

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	16000	U
100-02-7	4-Nitrophenol	16000	U
132-64-9	Dibenzofuran	6500	U
121-14-2	2,4-Dinitrotoluene	6500	U
84-66-2	Diethylphthalate	6500	U
86-73-7	Fluorene	1500	J
7005-72-3	4-Chlorophenyl-phenylether	6500	U
100-01-6	4-Nitroaniline	16000	U
534-52-1	4,6-Dinitro-2-methylphenol	16000	U
86-30-6	N-Nitrosodiphenylamine (1)	6500	U
101-55-3	4-Bromophenyl-phenylether	6500	U
118-74-1	Hexachlorobenzene	6500	U
1912-24-9	Atrazine	6500	U
87-86-5	Pentachlorophenol	16000	U
85-01-8	Phenanthrene	4300	J
120-12-7	Anthracene	1200	J
86-74-8	Carbazole	6500	U
84-74-2	Di-n-butylphthalate	6500	U
206-44-0	Fluoranthene	5800	J
129-00-0	Pyrene	4900	J
85-68-7	Butylbenzylphthalate	6500	U
91-94-1	3,3'-Dichlorobenzidine	6500	U
56-55-3	Benzo(a)anthracene	2000	J
218-01-9	Chrysene	2000	J
117-81-7	bis(2-Ethylhexyl)phthalate	6500	U
117-84-0	Di-n-octylphthalate	6500	U
205-99-2	Benzo(b)fluoranthene	740	J
207-08-9	Benzo(k)fluoranthene	1300	J
50-32-8	Benzo(a)pyrene	1300	J
193-39-5	Indeno(1,2,3-cd)pyrene	6500	U
53-70-3	Dibenz(a,h)anthracene	6500	U
191-24-2	Benzo(g,h,i)perylene	960	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02X

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F06.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 49 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

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	6500	U
108-95-2	Phenol	6500	U
111-44-4	bis(2-Chloroethyl)ether	6500	U
95-57-8	2-Chlorophenol	6500	U
95-48-7	2-Methylphenol	6500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	6500	U
98-86-2	Acetophenone	6500	U
106-44-5	4-Methylphenol	6500	U
621-64-7	N-Nitroso-di-n-propylamine	6500	U
67-72-1	Hexachloroethane	6500	U
98-95-3	Nitrobenzene	6500	U
78-59-1	Isophorone	6500	U
88-75-5	2-Nitrophenol	6500	U
105-67-9	2,4-Dimethylphenol	6500	U
111-91-1	bis(2-Chloroethoxy)methane	6500	U
120-83-2	2,4-Dichlorophenol	6500	U
91-20-3	Naphthalene	2400	J
106-47-8	4-Chloroaniline	6500	U
87-68-3	Hexachlorobutadiene	6500	U
105-60-2	Caprolactam	6500	U
59-50-7	4-Chloro-3-methylphenol	6500	U
91-57-6	2-Methylnaphthalene	1700	J
77-47-4	Hexachlorocyclopentadiene	6500	U
88-06-2	2,4,6-Trichlorophenol	6500	U
95-95-4	2,4,5-Trichlorophenol	16000	U
92-52-4	1,1'-Biphenyl	6500	U
91-58-7	2-Chloronaphthalene	6500	U
88-74-4	2-Nitroaniline	16000	U
131-11-3	Dimethylphthalate	6500	U
606-20-2	2,6-Dinitrotoluene	6500	U
208-96-8	Acenaphthylene	6500	U
99-09-2	3-Nitroaniline	16000	U
83-32-9	Acenaphthene	6500	U

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02W

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F05.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 46 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1 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	4.62	1500	J
2.		UNKNOWN	5.22	2800	J
3.	13540-56-2	BENZENE, 1,2-DIMETHYL-4-(PHE	5.54	2400	JN
4.		UNKNOWN	5.61	13000	J
5.		UNKNOWN	6.12	50000	J
6.		UNKNOWN	6.18	3900	J
7.		UNKNOWN	6.27	1700	J
8.		UNKNOWN	6.51	5700	J
9.		UNKNOWN	6.61	5100	J
10.		UNKNOWN	7.30	3900	J
11.		UNKNOWN	10.71	6900	J
12.		UNKNOWN	13.05	4500	J
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02W

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F05.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 46 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	15000	U
100-02-7	4-Nitrophenol	15000	U
132-64-9	Dibenzofuran	6100	U
121-14-2	2,4-Dinitrotoluene	6100	U
84-66-2	Diethylphthalate	6100	U
86-73-7	Fluorene	6100	U
7005-72-3	4-Chlorophenyl-phenylether	6100	U
100-01-6	4-Nitroaniline	15000	U
534-52-1	4,6-Dinitro-2-methylphenol	15000	U
86-30-6	N-Nitrosodiphenylamine (1)	6100	U
101-55-3	4-Bromophenyl-phenylether	6100	U
118-74-1	Hexachlorobenzene	6100	U
1912-24-9	Atrazine	6100	U
87-86-5	Pentachlorophenol	15000	U
85-01-8	Phenanthrene	9200	
120-12-7	Anthracene	3500	J
86-74-8	Carbazole	6100	U
84-74-2	Di-n-butylphthalate	6100	U
206-44-0	Fluoranthene	14000	
129-00-0	Pyrene	8900	
85-68-7	Butylbenzylphthalate	6100	U
91-94-1	3,3'-Dichlorobenzidine	6100	U
56-55-3	Benzo(a)anthracene	4700	J
218-01-9	Chrysene	4100	J
117-81-7	bis(2-Ethylhexyl)phthalate	6100	U
117-84-0	Di-n-octylphthalate	6100	U
205-99-2	Benzo(b)fluoranthene	2600	J
207-08-9	Benzo(k)fluoranthene	2400	J
50-32-8	Benzo(a)pyrene	2900	J
193-39-5	Indeno(1,2,3-cd)pyrene	1200	J
53-70-3	Dibenz(a,h)anthracene	6100	U
191-24-2	Benzo(g,h,i)perylene	1700	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02W

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F05.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 46 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	6100	U
108-95-2	Phenol	6100	U
111-44-4	bis(2-Chloroethyl)ether	6100	U
95-57-8	2-Chlorophenol	6100	U
95-48-7	2-Methylphenol	6100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	6100	U
98-86-2	Acetophenone	6100	U
106-44-5	4-Methylphenol	6100	U
621-64-7	N-Nitroso-di-n-propylamine	6100	U
67-72-1	Hexachloroethane	6100	U
98-95-3	Nitrobenzene	6100	U
78-59-1	Isophorone	6100	U
88-75-5	2-Nitrophenol	6100	U
105-67-9	2,4-Dimethylphenol	6100	U
111-91-1	bis(2-Chloroethoxy)methane	6100	U
120-83-2	2,4-Dichlorophenol	6100	U
91-20-3	Naphthalene	9600	
106-47-8	4-Chloroaniline	6100	U
87-68-3	Hexachlorobutadiene	6100	U
105-60-2	Caprolactam	6100	U
59-50-7	4-Chloro-3-methylphenol	6100	U
91-57-6	2-Methylnaphthalene	1500	J
77-47-4	Hexachlorocyclopentadiene	6100	U
88-06-2	2,4,6-Trichlorophenol	6100	U
95-95-4	2,4,5-Trichlorophenol	15000	U
92-52-4	1,1'-Biphenyl	6100	U
91-58-7	2-Chloronaphthalene	6100	U
88-74-4	2-Nitroaniline	15000	U
131-11-3	Dimethylphthalate	6100	U
606-20-2	2,6-Dinitrotoluene	6100	U
208-96-8	Acenaphthylene	860	J
99-09-2	3-Nitroaniline	15000	U
83-32-9	Acenaphthene	1100	J

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02T

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F05.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 56 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 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	2.23	250	~~BJ~~ U
2.		UNKNOWN	2.84	180	J
3.		UNKNOWN	3.06	250	J
4.		UNKNOWN	3.56	210	J
5.	90-12-0	NAPHTHALENE, 1-METHYL-	4.03	170	JN
6.	575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	4.54	240	JN
7.	575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	4.63	620	JN
8.		UNKNOWN	6.36	200	J
9.		UNKNOWN	7.62	410	J
10.		UNKNOWN	12.77	1100	J
11.	57-88-5	CHOLESTEROL	12.97	2600	JN
12.		UNKNOWN	13.08	1500	J
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02T

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F05.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 56 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	190	J
121-14-2	2,4-Dinitrotoluene	750	U
84-66-2	Diethylphthalate	750	U
86-73-7	Fluorene	260	J
7005-72-3	4-Chlorophenyl-phenylether	750	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	750	U
101-55-3	4-Bromophenyl-phenylether	750	U
118-74-1	Hexachlorobenzene	750	U
1912-24-9	Atrazine	750	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	850	
120-12-7	Anthracene	280	J
86-74-8	Carbazole	750	U
84-74-2	Di-n-butylphthalate	750	U
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	750	U
91-94-1	3,3'-Dichlorobenzidine	750	U
56-55-3	Benzo(a)anthracene	760	
218-01-9	Chrysene	830	
117-81-7	bis(2-Ethylhexyl)phthalate	~~420~~ 750	BØ U
117-84-0	Di-n-octylphthalate	750	U
205-99-2	Benzo(b)fluoranthene	670	J
207-08-9	Benzo(k)fluoranthene	470	J
50-32-8	Benzo(a)pyrene	740	J
193-39-5	Indeno(1,2,3-cd)pyrene	340	J
53-70-3	Dibenz(a,h)anthracene	750	U
191-24-2	Benzo(g,h,i)perylene	470	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02T

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F05.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 56 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	750	U
108-95-2	Phenol	750	U
111-44-4	bis(2-Chloroethyl)ether	750	U
95-57-8	2-Chlorophenol	750	U
95-48-7	2-Methylphenol	750	U
108-60-1	2,2'-oxybis(1-Chloropropane)	750	U
98-86-2	Acetophenone	750	U
106-44-5	4-Methylphenol	750	U
621-64-7	N-Nitroso-di-n-propylamine	750	U
67-72-1	Hexachloroethane	750	U
98-95-3	Nitrobenzene	750	U
78-59-1	Isophorone	750	U
88-75-5	2-Nitrophenol	750	U
105-67-9	2,4-Dimethylphenol	750	U
111-91-1	bis(2-Chloroethoxy)methane	750	U
120-83-2	2,4-Dichlorophenol	750	U
91-20-3	Naphthalene	740	J
106-47-8	4-Chloroaniline	750	U
87-68-3	Hexachlorobutadiene	750	U
105-60-2	Caprolactam	750	U
59-50-7	4-Chloro-3-methylphenol	750	U
91-57-6	2-Methylnaphthalene	370	J
77-47-4	Hexachlorocyclopentadiene	750	U
88-06-2	2,4,6-Trichlorophenol	750	U
95-95-4	2,4,5-Trichlorophenol	1900	U
92-52-4	1,1'-Biphenyl	78	J
91-58-7	2-Chloronaphthalene	750	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	750	U
606-20-2	2,6-Dinitrotoluene	750	U
208-96-8	Acenaphthylene	100	J
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	94	J

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02S

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 336F07.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 40 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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

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

Number TICs found: 11

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.56	1200	J
2.		UNKNOWN	3.66	1300	J
3.		UNKNOWN	4.09	1100	J
4.	575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	4.64	3700	JN
5.		UNKNOWN	4.85	2600	J
6.		UNKNOWN	5.19	2900	J
7.		UNKNOWN	5.33	2100	J
8.	829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	5.38	1700	JN
9.		UNKNOWN	6.48	2700	J
10.		UNKNOWN	12.74	2500	J
11.		UNKNOWN	13.05	4500	J
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02S

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 336F07.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 40 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	14000	U
100-02-7	4-Nitrophenol	14000	U
132-64-9	Dibenzofuran	5500	U
121-14-2	2,4-Dinitrotoluene	5500	U
84-66-2	Diethylphthalate	5500	U
86-73-7	Fluorene	900	J
7005-72-3	4-Chlorophenyl-phenylether	5500	U
100-01-6	4-Nitroaniline	14000	U
534-52-1	4,6-Dinitro-2-methylphenol	14000	U
86-30-6	N-Nitrosodiphenylamine (1)	5500	U
101-55-3	4-Bromophenyl-phenylether	5500	U
118-74-1	Hexachlorobenzene	5500	U
1912-24-9	Atrazine	5500	U
87-86-5	Pentachlorophenol	14000	U
85-01-8	Phenanthrene	3400	J
120-12-7	Anthracene	770	J
86-74-8	Carbazole	5500	U
84-74-2	Di-n-butylphthalate	5500	U
206-44-0	Fluoranthene	4000	J
129-00-0	Pyrene	3800	J
85-68-7	Butylbenzylphthalate	5500	U
91-94-1	3,3'-Dichlorobenzidine	5500	U
56-55-3	Benzo(a)anthracene	1500	J
218-01-9	Chrysene	1900	J
117-81-7	bis(2-Ethylhexyl)phthalate	5500	U
117-84-0	Di-n-octylphthalate	5500	U
205-99-2	Benzo(b)fluoranthene	660	J
207-08-9	Benzo(k)fluoranthene	640	J
50-32-8	Benzo(a)pyrene	720	J
193-39-5	Indeno(1,2,3-cd)pyrene	5500	U
53-70-3	Dibenz(a,h)anthracene	5500	U
191-24-2	Benzo(g,h,i)perylene	590	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02S

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 336F07.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 40 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	5500	U
108-95-2	Phenol	5500	U
111-44-4	bis(2-Chloroethyl)ether	5500	U
95-57-8	2-Chlorophenol	5500	U
95-48-7	2-Methylphenol	5500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5500	U
98-86-2	Acetophenone	5500	U
106-44-5	4-Methylphenol	5500	U
621-64-7	N-Nitroso-di-n-propylamine	5500	U
67-72-1	Hexachloroethane	5500	U
98-95-3	Nitrobenzene	5500	U
78-59-1	Isophorone	5500	U
88-75-5	2-Nitrophenol	5500	U
105-67-9	2,4-Dimethylphenol	5500	U
111-91-1	bis(2-Chloroethoxy)methane	5500	U
120-83-2	2,4-Dichlorophenol	5500	U
91-20-3	Naphthalene	1300	J
106-47-8	4-Chloroaniline	5500	U
87-68-3	Hexachlorobutadiene	5500	U
105-60-2	Caprolactam	5500	U
59-50-7	4-Chloro-3-methylphenol	5500	U
91-57-6	2-Methylnaphthalene	5500	U
77-47-4	Hexachlorocyclopentadiene	5500	U
88-06-2	2,4,6-Trichlorophenol	5500	U
95-95-4	2,4,5-Trichlorophenol	14000	U
92-52-4	1,1'-Biphenyl	5500	U
91-58-7	2-Chloronaphthalene	5500	U
88-74-4	2-Nitroaniline	14000	U
131-11-3	Dimethylphthalate	5500	U
606-20-2	2,6-Dinitrotoluene	5500	U
208-96-8	Acenaphthylene	5500	U
99-09-2	3-Nitroaniline	14000	U
83-32-9	Acenaphthene	5500	U

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02R

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 341F06.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 38 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Extraction: (Type) SONC

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

Number TICs found: 21

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.17	2300	BJ
2		UNKNOWN	2.24	460	~~BJ~~ 4
3		UNKNOWN	2.34	150	J
4		UNKNOWN	2.40	310	J
5		UNKNOWN	2.83	180	J
6		UNKNOWN	3.05	140	J
7		UNKNOWN	3.54	150	J
8		UNKNOWN	3.65	120	J
9.	540-97-6	CYCLOHEXASILOXANE, DODECAMET	3.87	140	JN
10.		UNKNOWN	4.02	120	J
11.		UNKNOWN	4.12	110	J
12.	575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	4.52	170	JN
13.	575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	4.62	280	JN
14.		UNKNOWN	4.68	270	J
15.		UNKNOWN	5.31	120	J
16.	829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	5.36	110	JN
17.		UNKNOWN	7.64	320	J
18.	192-97-2	BENZO[E]PYRENE	12.09	700	JN
19.	53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	12.75	510	JN
20.	57-88-5	CHOLESTEROL	12.96	980	JN
21.		UNKNOWN	13.06	730	J
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02R

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 341F06.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 38 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/06/00

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	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	92	J
121-14-2	2,4-Dinitrotoluene	530	U
84-66-2	Diethylphthalate	530	U
86-73-7	Fluorene	120	J
7005-72-3	4-Chlorophenyl-phenylether	530	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	530	U
101-55-3	4-Bromophenyl-phenylether	530	U
118-74-1	Hexachlorobenzene	530	U
1912-24-9	Atrazine	530	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	490	J
120-12-7	Anthracene	140	J
86-74-8	Carbazole	530	U
84-74-2	Di-n-butylphthalate	530	U
206-44-0	Fluoranthene	740	
129-00-0	Pyrene	580	
85-68-7	Butylbenzylphthalate	530	U
91-94-1	3,3'-Dichlorobenzidine	530	U
56-55-3	Benzo(a)anthracene	430	J
218-01-9	Chrysene	450	J
117-81-7	bis(2-Ethylhexyl)phthalate	~~120~~ 530	B~~J~~ U
117-84-0	Di-n-octylphthalate	530	U
205-99-2	Benzo(b)fluoranthene	380	J
207-08-9	Benzo(k)fluoranthene	270	J
50-32-8	Benzo(a)pyrene	450	J
193-39-5	Indeno(1,2,3-cd)pyrene	190	J
53-70-3	Dibenz(a,h)anthracene	530	U
191-24-2	Benzo(g,h,i)perylene	310	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02R

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 341F06.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 38 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/06/00

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	530	U
108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl)ether	530	U
95-57-8	2-Chlorophenol	530	U
95-48-7	2-Methylphenol	530	U
108-60-1	2,2'-oxybis(1-Chloropropane)	530	U
98-86-2	Acetophenone	530	U
106-44-5	4-Methylphenol	530	U
621-64-7	N-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
111-91-1	bis(2-Chloroethoxy)methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
91-20-3	Naphthalene	410	J
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
105-60-2	Caprolactam	530	U
59-50-7	4-Chloro-3-methylphenol	530	U
91-57-6	2-Methylnaphthalene	210	J
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
95-95-4	2,4,5-Trichlorophenol	1300	U
92-52-4	1,1'-Biphenyl	530	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	530	U
606-20-2	2,6-Dinitrotoluene	530	U
208-96-8	Acenaphthylene	57	J
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	60	J

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02Q

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F10.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 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	2.22	170	J
2.	UNKNOWN	3.06	440	~~BJ~~
3. 540-97-6	CYCLOHEXASILOXANE, DODECAMET	3.88	260	~~BJN~~
4.	UNKNOWN	4.54	120	J
5.	UNKNOWN	4.64	420	J
6.	UNKNOWN	5.20	110	J
7.	UNKNOWN	5.23	250	J
8. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	5.38	140	JN
9.	UNKNOWN	7.63	310	J
10.	UNKNOWN	12.77	910	J
11.	UNKNOWN	13.08	1300	J
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02Q

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F10.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

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	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	74	J
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	440	J
120-12-7	Anthracene	140	J
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	980	
129-00-0	Pyrene	910	
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	530	
218-01-9	Chrysene	640	
117-81-7	bis(2-Ethylhexyl)phthalate	120	J
117-84-0	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	570	
207-08-9	Benzo(k)fluoranthene	490	
50-32-8	Benzo(a)pyrene	510	
193-39-5	Indeno(1,2,3-cd)pyrene	220	J
53-70-3	Dibenz(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	240	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02Q

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F10.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

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	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	77	J
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	81	J
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
91-20-3	Naphthalene	120	J
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	75	J
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	59	J
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02P

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F04.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 45 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.03	3200	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02P

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F04.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 45 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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	15000	U
100-02-7	4-Nitrophenol	15000	U
132-64-9	Dibenzofuran	6000	U
121-14-2	2,4-Dinitrotoluene	6000	U
84-66-2	Diethylphthalate	6000	U
86-73-7	Fluorene	6000	U
7005-72-3	4-Chlorophenyl-phenylether	6000	U
100-01-6	4-Nitroaniline	15000	U
534-52-1	4,6-Dinitro-2-methylphenol	15000	U
86-30-6	N-Nitrosodiphenylamine (1)	6000	U
101-55-3	4-Bromophenyl-phenylether	6000	U
118-74-1	Hexachlorobenzene	6000	U
1912-24-9	Atrazine	6000	U
87-86-5	Pentachlorophenol	15000	U
85-01-8	Phenanthrene	1200	J
120-12-7	Anthracene	6000	U
86-74-8	Carbazole	6000	U
84-74-2	Di-n-butylphthalate	6000	U
206-44-0	Fluoranthene	2500	J
129-00-0	Pyrene	2300	J
85-68-7	Butylbenzylphthalate	6000	U
91-94-1	3,3'-Dichlorobenzidine	6000	U
56-55-3	Benzo(a)anthracene	1400	J
218-01-9	Chrysene	1300	J
117-81-7	bis(2-Ethylhexyl)phthalate	~~800~~ 6000	B U
117-84-0	Di-n-octylphthalate	6000	U
205-99-2	Benzo(b)fluoranthene	1100	J
207-08-9	Benzo(k)fluoranthene	920	J
50-32-8	Benzo(a)pyrene	1400	J
193-39-5	Indeno(1,2,3-cd)pyrene	800	J
53-70-3	Dibenz(a,h)anthracene	6000	U
191-24-2	Benzo(g,h,i)perylene	1300	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02P

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F04.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 45 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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	6000	U
108-95-2	Phenol	6000	U
111-44-4	bis(2-Chloroethyl)ether	6000	U
95-57-8	2-Chlorophenol	6000	U
95-48-7	2-Methylphenol	6000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	6000	U
98-86-2	Acetophenone	6000	U
106-44-5	4-Methylphenol	6000	U
621-64-7	N-Nitroso-di-n-propylamine	6000	U
67-72-1	Hexachloroethane	6000	U
98-95-3	Nitrobenzene	6000	U
78-59-1	Isophorone	6000	U
88-75-5	2-Nitrophenol	6000	U
105-67-9	2,4-Dimethylphenol	6000	U
111-91-1	bis(2-Chloroethoxy)methane	6000	U
120-83-2	2,4-Dichlorophenol	6000	U
91-20-3	Naphthalene	1100	J
106-47-8	4-Chloroaniline	6000	U
87-68-3	Hexachlorobutadiene	6000	U
105-60-2	Caprolactam	6000	U
59-50-7	4-Chloro-3-methylphenol	6000	U
91-57-6	2-Methylnaphthalene	6000	U
77-47-4	Hexachlorocyclopentadiene	6000	U
88-06-2	2,4,6-Trichlorophenol	6000	U
95-95-4	2,4,5-Trichlorophenol	15000	U
92-52-4	1,1'-Biphenyl	6000	U
91-58-7	2-Chloronaphthalene	6000	U
88-74-4	2-Nitroaniline	15000	U
131-11-3	Dimethylphthalate	6000	U
606-20-2	2,6-Dinitrotoluene	6000	U
208-96-8	Acenaphthylene	6000	U
99-09-2	3-Nitroaniline	15000	U
83-32-9	Acenaphthene	6000	U

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02N

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 341F05.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 52 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/06/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 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	380	J
2.	UNKNOWN	2.83	310	J
3.	UNKNOWN	3.05	150	J
4.	UNKNOWN	3.55	200	J
5. 90-12-0	NAPHTHALENE, 1-METHYL-	4.03	190	JN
6. 582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	4.53	370	JN
7. 575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	4.62	730	JN
8. 2131-41-1	NAPHTHALENE, 1,4,5-TRIMETHYL	5.38	300	JN
9.	UNKNOWN	6.37	710	J
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02N

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 341F05.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 52 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/06/00

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	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	160	J
121-14-2	2,4-Dinitrotoluene	690	U
84-66-2	Diethylphthalate	690	U
86-73-7	Fluorene	290	J
7005-72-3	4-Chlorophenyl-phenylether	690	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	690	U
101-55-3	4-Bromophenyl-phenylether	690	U
118-74-1	Hexachlorobenzene	690	U
1912-24-9	Atrazine	690	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	300	J
86-74-8	Carbazole	690	U
84-74-2	Di-n-butylphthalate	690	U
206-44-0	Fluoranthene	2400	
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	690	U
91-94-1	3,3'-Dichlorobenzidine	690	U
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)phthalate	~~600~~ 690	~~B~~ U
117-84-0	Di-n-octylphthalate	690	U
205-99-2	Benzo(b)fluoranthene	660	J
207-08-9	Benzo(k)fluoranthene	840	
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	320	J
53-70-3	Dibenz(a,h)anthracene	690	U
191-24-2	Benzo(g,h,i)perylene	510	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02N

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 341F05.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 52 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/06/00

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	690	U
108-95-2	Phenol	690	U
111-44-4	bis(2-Chloroethyl)ether	690	U
95-57-8	2-Chlorophenol	690	U
95-48-7	2-Methylphenol	690	U
108-60-1	2,2'-oxybis(1-Chloropropane)	690	U
98-86-2	Acetophenone	690	U
106-44-5	4-Methylphenol	690	U
621-64-7	N-Nitroso-di-n-propylamine	690	U
67-72-1	Hexachloroethane	690	U
98-95-3	Nitrobenzene	690	U
78-59-1	Isophorone	690	U
88-75-5	2-Nitrophenol	690	U
105-67-9	2,4-Dimethylphenol	690	U
111-91-1	bis(2-Chloroethoxy)methane	690	U
120-83-2	2,4-Dichlorophenol	690	U
91-20-3	Naphthalene	700	
106-47-8	4-Chloroaniline	690	U
87-68-3	Hexachlorobutadiene	690	U
105-60-2	Caprolactam	690	U
59-50-7	4-Chloro-3-methylphenol	690	U
91-57-6	2-Methylnaphthalene	390	J
77-47-4	Hexachlorocyclopentadiene	690	U
88-06-2	2,4,6-Trichlorophenol	690	U
95-95-4	2,4,5-Trichlorophenol	1700	U
92-52-4	1,1'-Biphenyl	89	J
91-58-7	2-Chloronaphthalene	690	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	690	U
606-20-2	2,6-Dinitrotoluene	690	U
208-96-8	Acenaphthylene	120	J
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	100	J

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02M

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F09.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 50 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 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	2.22	210	J
2.		UNKNOWN	2.85	230	J
3.		UNKNOWN	3.06	130	~~BJ~~
4.		UNKNOWN	3.56	220	J
5.		UNKNOWN	3.79	200	J
6.	581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	4.54	230	JN
7.		UNKNOWN	4.65	490	J
8.		UNKNOWN	5.28	220	J
9.	829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	5.38	150	JN
10.		UNKNOWN	5.44	280	J
11.		UNKNOWN	13.11	1300	J
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

ST 11/30/01

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02M

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F09.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 50 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

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	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	110	J
121-14-2	2,4-Dinitrotoluene	660	U
84-66-2	Diethylphthalate	660	U
86-73-7	Fluorene	230	J
7005-72-3	4-Chlorophenyl-phenylether	660	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	660	U
101-55-3	4-Bromophenyl-phenylether	660	U
118-74-1	Hexachlorobenzene	660	U
1912-24-9	Atrazine	660	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	810	
120-12-7	Anthracene	230	J
86-74-8	Carbazole	660	U
84-74-2	Di-n-butylphthalate	660	U
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1300	
85-68-7	Butylbenzylphthalate	660	U
91-94-1	3,3'-Dichlorobenzidine	660	U
56-55-3	Benzo(a)anthracene	570	J
218-01-9	Chrysene	910	
117-81-7	bis(2-Ethylhexyl)phthalate	340	J
117-84-0	Di-n-octylphthalate	660	U
205-99-2	Benzo(b)fluoranthene	700	
207-08-9	Benzo(k)fluoranthene	520	J
50-32-8	Benzo(a)pyrene	710	
193-39-5	Indeno(1,2,3-cd)pyrene	230	J
53-70-3	Dibenz(a,h)anthracene	660	U
191-24-2	Benzo(g,h,i)perylene	260	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02M

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 335F09.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 50 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/30/00

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	660	U
108-95-2	Phenol	660	U
111-44-4	bis(2-Chloroethyl)ether	660	U
95-57-8	2-Chlorophenol	660	U
95-48-7	2-Methylphenol	660	U
108-60-1	2,2'-oxybis(1-Chloropropane)	660	U
98-86-2	Acetophenone	660	U
106-44-5	4-Methylphenol	660	U
621-64-7	N-Nitroso-di-n-propylamine	660	U
67-72-1	Hexachloroethane	660	U
98-95-3	Nitrobenzene	660	U
78-59-1	Isophorone	660	U
88-75-5	2-Nitrophenol	660	U
105-67-9	2,4-Dimethylphenol	660	U
111-91-1	bis(2-Chloroethoxy)methane	660	U
120-83-2	2,4-Dichlorophenol	660	U
91-20-3	Naphthalene	300	J
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	660	U
105-60-2	Caprolactam	660	U
59-50-7	4-Chloro-3-methylphenol	660	U
91-57-6	2-Methylnaphthalene	210	J
77-47-4	Hexachlorocyclopentadiene	660	U
88-06-2	2,4,6-Trichlorophenol	660	U
95-95-4	2,4,5-Trichlorophenol	1700	U
92-52-4	1,1'-Biphenyl	660	U
91-58-7	2-Chloronaphthalene	660	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	660	U
606-20-2	2,6-Dinitrotoluene	660	U
208-96-8	Acenaphthylene	89	J
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	74	J

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02L

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F22.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 47 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 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	2.10	280	J
2.		UNKNOWN	2.15	220	J
3.		UNKNOWN	2.24	270	~~BJ~~ 4
4.		UNKNOWN	2.29	320	~~BJ~~ 4
5.		UNKNOWN	2.35	300	J
6.		UNKNOWN	2.76	190	J 9
7.		UNKNOWN	2.85	400	J 15
8.		UNKNOWN	3.07	210	J
9.		UNKNOWN	3.56	240	J
10.		UNKNOWN	3.89	170	J
11.	264-09-5	BENZOCYCLOHEPTATRIENE	4.05	210	JN
12.		UNKNOWN	4.25	160	J
13.		UNKNOWN	4.45	190	J
14.	582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	4.55	450	JN
15.	571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	4.64	960	JN
16.	581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	4.76	160	JN
17.	2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	5.29	190	JN
18.		UNKNOWN	5.34	220	J
19.	2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	5.39	240	JN
20.	7320-53-8	DIBENZOFURAN, 4-METHYL-	5.85	250	JN
21.		UNKNOWN	6.37	430	J
22.		UNKNOWN	6.63	430	J
23.		UNKNOWN	6.68	280	J
24.	613-12-7	ANTHRACENE, 2-METHYL-	7.52	970	JN
25.		UNKNOWN	7.64	990	J
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02L

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F22.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 47 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

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	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	320	J
121-14-2	2,4-Dinitrotoluene	620	U
84-66-2	Diethylphthalate	620	U
86-73-7	Fluorene	520	J
7005-72-3	4-Chlorophenyl-phenylether	620	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	620	U
101-55-3	4-Bromophenyl-phenylether	620	U
118-74-1	Hexachlorobenzene	620	U
1912-24-9	Atrazine	620	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	2100	
120-12-7	Anthracene	620	
86-74-8	Carbazole	150	J
84-74-2	Di-n-butylphthalate	620	U
206-44-0	Fluoranthene	2800	
129-00-0	Pyrene	2200	
85-68-7	Butylbenzylphthalate	620	U
91-94-1	3,3'-Dichlorobenzidine	620	U
56-55-3	Benzo(a)anthracene	1800	
218-01-9	Chrysene	2200	
117-81-7	bis(2-Ethylhexyl)phthalate	~~500~~ 620	BJ U
117-84-0	Di-n-octylphthalate	620	U
205-99-2	Benzo(b)fluoranthene	1500	
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	2000	
193-39-5	Indeno(1,2,3-cd)pyrene	590	J
53-70-3	Dibenz(a,h)anthracene	64	J
191-24-2	Benzo(g,h,i)perylene	800	

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02L

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F22.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 47 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

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	620	U
108-95-2	Phenol	620	U
111-44-4	bis(2-Chloroethyl)ether	620	U
95-57-8	2-Chlorophenol	620	U
95-48-7	2-Methylphenol	620	U
108-60-1	2,2'-oxybis(1-Chloropropane)	620	U
98-86-2	Acetophenone	620	U
106-44-5	4-Methylphenol	620	U
621-64-7	N-Nitroso-di-n-propylamine	620	U
67-72-1	Hexachloroethane	620	U
98-95-3	Nitrobenzene	620	U
78-59-1	Isophorone	620	U
88-75-5	2-Nitrophenol	620	U
105-67-9	2,4-Dimethylphenol	620	U
111-91-1	bis(2-Chloroethoxy)methane	620	U
120-83-2	2,4-Dichlorophenol	620	U
91-20-3	Naphthalene	1500	
106-47-8	4-Chloroaniline	620	U
87-68-3	Hexachlorobutadiene	620	U
105-60-2	Caprolactam	620	U
59-50-7	4-Chloro-3-methylphenol	620	U
91-57-6	2-Methylnaphthalene	760	
77-47-4	Hexachlorocyclopentadiene	620	U
88-06-2	2,4,6-Trichlorophenol	620	U
95-95-4	2,4,5-Trichlorophenol	1600	U
92-52-4	1,1'-Biphenyl	120	J
91-58-7	2-Chloronaphthalene	620	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	620	U
606-20-2	2,6-Dinitrotoluene	620	U
208-96-8	Acenaphthylene	220	J
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	250	J

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02K

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F21.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 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	2.09	110	J
2.		UNKNOWN	2.15	89	J
3.		UNKNOWN	2.23	90	J
4.		UNKNOWN	2.85	86	J
5.	541-02-6	CYCLOPENTASILOXANE, DECAMETH	3.07	190	JN
6.		UNKNOWN	3.51	100	J
7.		UNKNOWN	3.56	190	J
8.		UNKNOWN	3.59	160	J
9.	540-97-6	CYCLOHEXASILOXANE, DODECAMET	3.90	200	JN
10.	475-03-6	NAPHTHALENE, 1,2,3,4-TETRAHY	4.24	93	JN
11.		UNKNOWN	4.45	120	J
12.		UNKNOWN	4.81	140	J
13.		UNKNOWN	7.62	130	J
14.		UNKNOWN	7.83	160	J
15.	18108-56-0	AZEPINO[3,2,1-HI]INDOLE, 8-E	8.47	98	JN
16.		UNKNOWN	8.77	85	J
17.		UNKNOWN	9.89	640	J
18.		UNKNOWN	13.04	97	J
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02K

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F21.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	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	66	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	95	J
129-00-0	Pyrene	84	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	68	J
218-01-9	Chrysene	62	J
117-81-7	bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	53	J
50-32-8	Benzo(a)pyrene	66	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02K

Lab Name AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 334F21.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	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

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02J

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F13.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 46 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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	4.84	1600	J
2.		UNKNOWN	5.22	1400	J
3.		UNKNOWN	5.54	2200	J
4.		UNKNOWN	5.88	3300	J
5.	6416-39-3	1H-INDENE, 2,3-DIHYDRO-1-MET	6.28	4000	JN
6.		UNKNOWN	6.61	9300	J
7.		UNKNOWN	9.61	4000	J
8.		UNKNOWN	10.72	11000	J
9.	53584-60-4	28-NOR-17.ALPHA.(H)-HOPANE	12.74	2700	JN
10.		UNKNOWN	13.05	4200	J
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02J

ab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F13.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 46 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	15000	U
100-02-7	4-Nitrophenol	15000	U
132-64-9	Dibenzofuran	6100	U
121-14-2	2,4-Dinitrotoluene	6100	U
84-66-2	Diethylphthalate	6100	U
86-73-7	Fluorene	6900	
7005-72-3	4-Chlorophenyl-phenylether	6100	U
100-01-6	4-Nitroaniline	15000	U
534-52-1	4,6-Dinitro-2-methylphenol	15000	U
86-30-6	N-Nitrosodiphenylamine (1)	6100	U
101-55-3	4-Bromophenyl-phenylether	6100	U
118-74-1	Hexachlorobenzene	6100	U
1912-24-9	Atrazine	6100	U
87-86-5	Pentachlorophenol	15000	U
85-01-8	Phenanthrene	1200	J
120-12-7	Anthracene	6100	U
86-74-8	Carbazole	6100	U
84-74-2	Di-n-butylphthalate	6100	U
206-44-0	Fluoranthene	2700	J
129-00-0	Pyrene	2300	J
85-68-7	Butylbenzylphthalate	6100	U
91-94-1	3,3'-Dichlorobenzidine	6100	U
56-55-3	Benzo(a)anthracene	1000	J
218-01-9	Chrysene	990	J
117-81-7	bis(2-Ethylhexyl)phthalate	6100	U
117-84-0	Di-n-octylphthalate	6100	U
205-99-2	Benzo(b)fluoranthene	6100	U
207-08-9	Benzo(k)fluoranthene	6100	U
50-32-8	Benzo(a)pyrene	6100	U
193-39-5	Indeno(1,2,3-cd)pyrene	6100	U
53-70-3	Dibenz(a,h)anthracene	6100	U
191-24-2	Benzo(g,h,i)perylene	6100	U

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02J

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F13.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 46 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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	6100	U
108-95-2	Phenol	6100	U
111-44-4	bis(2-Chloroethyl)ether	6100	U
95-57-8	2-Chlorophenol	6100	U
95-48-7	2-Methylphenol	6100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	6100	U
98-86-2	Acetophenone	6100	U
106-44-5	4-Methylphenol	6100	U
621-64-7	N-Nitroso-di-n-propylamine	6100	U
67-72-1	Hexachloroethane	6100	U
98-95-3	Nitrobenzene	6100	U
78-59-1	Isophorone	6100	U
88-75-5	2-Nitrophenol	6100	U
105-67-9	2,4-Dimethylphenol	6100	U
111-91-1	bis(2-Chloroethoxy)methane	6100	U
120-83-2	2,4-Dichlorophenol	6100	U
91-20-3	Naphthalene	980	J
106-47-8	4-Chloroaniline	6100	U
87-68-3	Hexachlorobutadiene	6100	U
105-60-2	Caprolactam	6100	U
59-50-7	4-Chloro-3-methylphenol	6100	U
91-57-6	2-Methylnaphthalene	6100	U
77-47-4	Hexachlorocyclopentadiene	6100	U
88-06-2	2,4,6-Trichlorophenol	6100	U
95-95-4	2,4,5-Trichlorophenol	15000	U
92-52-4	1,1'-Biphenyl	6100	U
91-58-7	2-Chloronaphthalene	6100	U
88-74-4	2-Nitroaniline	15000	U
131-11-3	Dimethylphthalate	6100	U
606-20-2	2,6-Dinitrotoluene	6100	U
208-96-8	Acenaphthylene	6100	U
99-09-2	3-Nitroaniline	15000	U
83-32-9	Acenaphthene	6100	U

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02H

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 336F17.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 39 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.8 Extraction: (Type) SONC

Number TICs found: 14

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.06	600	J
2.		UNKNOWN	3.55	630	J
3.		UNKNOWN	3.62	610	J
4.		UNKNOWN	4.63	720	J
5.		UNKNOWN	4.86	1100	J
6.		UNKNOWN	5.55	950	J
7.		UNKNOWN	6.14	49000	J
8.		UNKNOWN	6.20	2600	J
9.	6416-39-3	1H-INDENE, 2,3-DIHYDRO-1-MET	6.29	3200	JN
10.		UNKNOWN	6.63	6800	J
11.		UNKNOWN	9.63	2000	J
12.		UNKNOWN	10.75	5500	J
13.		UNKNOWN	12.78	5500	J
14.		UNKNOWN	13.10	13000	J
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02H

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 336F17.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 39 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

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	6800	U
100-02-7	4-Nitrophenol	6800	U
132-64-9	Dibenzofuran	2700	U
121-14-2	2,4-Dinitrotoluene	2700	U
84-66-2	Diethylphthalate	2700	U
86-73-7	Fluorene	2700	
7005-72-3	4-Chlorophenyl-phenylether	2700	U
100-01-6	4-Nitroaniline	6800	U
534-52-1	4,6-Dinitro-2-methylphenol	6800	U
86-30-6	N-Nitrosodiphenylamine (1)	2700	U
101-55-3	4-Bromophenyl-phenylether	2700	U
118-74-1	Hexachlorobenzene	2700	U
1912-24-9	Atrazine	2700	U
87-86-5	Pentachlorophenol	6800	U
85-01-8	Phenanthrene	1600	J
120-12-7	Anthracene	430	J
86-74-8	Carbazole	2700	U
84-74-2	Di-n-butylphthalate	2700	U
206-44-0	Fluoranthene	3300	
129-00-0	Pyrene	3400	
85-68-7	Butylbenzylphthalate	2700	U
91-94-1	3,3'-Dichlorobenzidine	2700	U
56-55-3	Benzo(a)anthracene	1800	J
218-01-9	Chrysene	2200	J
117-81-7	bis(2-Ethylhexyl)phthalate	~~730~~ 2700	~~B~~ U
117-84-0	Di-n-octylphthalate	2700	U
205-99-2	Benzo(b)fluoranthene	1300	J
207-08-9	Benzo(k)fluoranthene	1700	J
50-32-8	Benzo(a)pyrene	1600	J
193-39-5	Indeno(1,2,3-cd)pyrene	640	J
53-70-3	Dibenz(a,h)anthracene	2700	U
191-24-2	Benzo(g,h,i)perylene	990	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02H

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 336F17.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 39 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

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	2700	U
108-95-2	Phenol	2700	U
111-44-4	bis(2-Chloroethyl)ether	2700	U
95-57-8	2-Chlorophenol	2700	U
95-48-7	2-Methylphenol	2700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2700	U
98-86-2	Acetophenone	2700	U
106-44-5	4-Methylphenol	2700	U
621-64-7	N-Nitroso-di-n-propylamine	2700	U
67-72-1	Hexachloroethane	2700	U
98-95-3	Nitrobenzene	2700	U
78-59-1	Isophorone	2700	U
88-75-5	2-Nitrophenol	2700	U
105-67-9	2,4-Dimethylphenol	2700	U
111-91-1	bis(2-Chloroethoxy)methane	2700	U
120-83-2	2,4-Dichlorophenol	2700	U
91-20-3	Naphthalene	1000	J
106-47-8	4-Chloroaniline	2700	U
87-68-3	Hexachlorobutadiene	2700	U
105-60-2	Caprolactam	2700	U
59-50-7	4-Chloro-3-methylphenol	2700	U
91-57-6	2-Methylnaphthalene	420	J
77-47-4	Hexachlorocyclopentadiene	2700	U
88-06-2	2,4,6-Trichlorophenol	2700	U
95-95-4	2,4,5-Trichlorophenol	6800	U
92-52-4	1,1'-Biphenyl	2700	U
91-58-7	2-Chloronaphthalene	2700	U
88-74-4	2-Nitroaniline	6800	U
131-11-3	Dimethylphthalate	2700	U
606-20-2	2,6-Dinitrotoluene	2700	U
208-96-8	Acenaphthylene	2700	U
99-09-2	3-Nitroaniline	6800	U
83-32-9	Acenaphthene	400	J

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EE02GDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.07DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 336F16.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.8 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. 571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	4.53	500	DJN
2. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	4.63	840	DJN
3.	UNKNOWN	6.35	440	DJ
4.	UNKNOWN	7.46	440	DJ
5. 610-48-0	ANTHRACENE, 1-METHYL-	7.50	730	DJN
6. 832-64-4	PHENANTHRENE, 4-METHYL-	7.55	490	DJN
7.	UNKNOWN	7.61	1100	DJ
8.	UNKNOWN	8.51	500	DJ
9. 243-17-4	11H-BENZO[B]FLUORENE	9.18	540	DJN
10. 243-17-4	11H-BENZO[B]FLUORENE	9.26	460	DJN
11.	UNKNOWN	11.86	640	DJ
12. 207-08-9	BENZO[K]FLUORANTHENE	12.05	920	DJN
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02GDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.07DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 336F16.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

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	5300	U
100-02-7	4-Nitrophenol	5300	U
132-64-9	Dibenzofuran	410	DJ
121-14-2	2,4-Dinitrotoluene	2100	U
84-66-2	Diethylphthalate	2100	U
86-73-7	Fluorene	640	DJ
7005-72-3	4-Chlorophenyl-phenylether	2100	U
100-01-6	4-Nitroaniline	5300	U
534-52-1	4,6-Dinitro-2-methylphenol	5300	U
86-30-6	N-Nitrosodiphenylamine (1)	2100	U
101-55-3	4-Bromophenyl-phenylether	2100	U
118-74-1	Hexachlorobenzene	2100	U
1912-24-9	Atrazine	2100	U
87-86-5	Pentachlorophenol	5300	U
85-01-8	Phenanthrene	3800	D
120-12-7	Anthracene	1300	DJ
86-74-8	Carbazole	2100	U
84-74-2	Di-n-butylphthalate	2100	U
206-44-0	Fluoranthene	6200	D
129-00-0	Pyrene	5100	D
85-68-7	Butylbenzylphthalate	2100	U
91-94-1	3,3'-Dichlorobenzidine	2100	U
56-55-3	Benzo(a)anthracene	2800	D
218-01-9	Chrysene	2600	D
117-81-7	bis(2-Ethylhexyl)phthalate	2100	U
117-84-0	Di-n-octylphthalate	2100	U
205-99-2	Benzo(b)fluoranthene	2000	DJ
207-08-9	Benzo(k)fluoranthene	1600	DJ
50-32-8	Benzo(a)pyrene	2200	D
193-39-5	Indeno(1,2,3-cd)pyrene	970	DJ
53-70-3	Dibenz(a,h)anthracene	2100	U
191-24-2	Benzo(g,h,i)perylene	1400	DJ

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE02GDL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE02B

Matrix: (soil/water) SOIL Lab Sample ID: 45956.07DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 336F16.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/20/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

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	2100	U
108-95-2	Phenol	2100	U
111-44-4	bis(2-Chloroethyl)ether	2100	U
95-57-8	2-Chlorophenol	2100	U
95-48-7	2-Methylphenol	2100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2100	U
98-86-2	Acetophenone	2100	U
106-44-5	4-Methylphenol	2100	U
621-64-7	N-Nitroso-di-n-propylamine	2100	U
67-72-1	Hexachloroethane	2100	U
98-95-3	Nitrobenzene	2100	U
78-59-1	Isophorone	2100	U
88-75-5	2-Nitrophenol	2100	U
105-67-9	2,4-Dimethylphenol	2100	U
111-91-1	bis(2-Chloroethoxy)methane	2100	U
120-83-2	2,4-Dichlorophenol	2100	U
91-20-3	Naphthalene	1800	DJ
106-47-8	4-Chloroaniline	2100	U
87-68-3	Hexachlorobutadiene	2100	U
105-60-2	Caprolactam	2100	U
59-50-7	4-Chloro-3-methylphenol	2100	U
91-57-6	2-Methylnaphthalene	470	DJ
77-47-4	Hexachlorocyclopentadiene	2100	U
88-06-2	2,4,6-Trichlorophenol	2100	U
95-95-4	2,4,5-Trichlorophenol	5300	U
92-52-4	1,1'-Biphenyl	2100	U
91-58-7	2-Chloronaphthalene	2100	U
88-74-4	2-Nitroaniline	5300	U
131-11-3	Dimethylphthalate	2100	U
606-20-2	2,6-Dinitrotoluene	2100	U
208-96-8	Acenaphthylene	2100	U
99-09-2	3-Nitroaniline	5300	U
83-32-9	Acenaphthene	580	DJ

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE030MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.03MSD

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

% Moisture: 42 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/22/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.9	U
319-85-7	beta-BHC	2.9	U
319-86-8	delta-BHC	2.9	U
58-89-9	gamma-BHC (Lindane)	23	
76-44-8	Heptachlor	23	~~P~~
309-00-2	Aldrin	21	~~P~~
1024-57-3	Heptachlor epoxide	2.9	U
959-98-8	Endosulfan I	2.9	U
60-57-1	Dieldrin	47	
72-55-9	4,4'-DDE	12	~~P~~
72-20-8	Endrin	54	~~P~~
33213-65-9	Endosulfan II	5.7	U
72-54-8	4,4'-DDD	5.7	U
1031-07-8	Endosulfan sulfate	5.7	U
50-29-3	4,4'-DDT	60	
72-43-5	Methoxychlor	29	U
53494-70-5	Endrin ketone	50	
7421-93-4	Endrin aldehyde	5.7	U
5103-71-9	alpha-Chlordane	2.9	U
5103-74-2	gamma-Chlordane	2.9	U
8001-35-2	Toxaphene	290	U
12674-11-2	Aroclor-1016	57	U
11104-28-2	Aroclor-1221	120	U
11141-16-5	Aroclor-1232	57	U
53469-21-9	Aroclor-1242	620	
12672-29-6	Aroclor-1248	57	U
11097-69-1	Aroclor-1254	340	
11096-82-5	Aroclor-1260	57	U

12/18/00

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE030MS

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.02MS

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

% Moisture: 42 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/22/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.9	U
319-85-7	beta-BHC	2.9	U
319-86-8	delta-BHC	2.9	U
58-89-9	gamma-BHC (Lindane)	21	~~P~~
76-44-8	Heptachlor	21	~~P~~
309-00-2	Aldrin	21	~~P~~
1024-57-3	Heptachlor epoxide	2.9	U
959-98-8	Endosulfan I	2.9	U
60-57-1	Dieldrin	45	
72-55-9	4,4'-DDE	17	~~P~~
72-20-8	Endrin	50	~~P~~
33213-65-9	Endosulfan II	5.7	U
72-54-8	4,4'-DDD	5.7	U
1031-07-8	Endosulfan sulfate	46	~~P~~
50-29-3	4,4'-DDT	56	
72-43-5	Methoxychlor	29	U
53494-70-5	Endrin ketone	23	~~P~~
7421-93-4	Endrin aldehyde	5.7	U
5103-71-9	alpha-Chlordane	2.9	U
5103-74-2	gamma-Chlordane	2.9	U
8001-35-2	Toxaphene	290	U
12674-11-2	Aroclor-1016	57	U
11104-28-2	Aroclor-1221	120	U
11141-16-5	Aroclor-1232	57	U
53469-21-9	Aroclor-1242	780	
12672-29-6	Aroclor-1248	57	U
11097-69-1	Aroclor-1254	380	
11096-82-5	Aroclor-1260	57	U

12/18/00

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE032

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.05

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

% Moisture: 48 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/22/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/04/00

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	3.3	U
319-85-7	beta-BHC	3.3	U
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	3.3	U
959-98-8	Endosulfan I	3.3	U
60-57-1	Dieldrin	6.8	~~P~~
72-55-9	4,4'-DDE	13	~~P~~
72-20-8	Endrin	6.3	U
33213-65-9	Endosulfan II	6.3	U
72-54-8	4,4'-DDD	6.3	U
1031-07-8	Endosulfan sulfate	7.7	~~P~~
50-29-3	4,4'-DDT	6.3	U
72-43-5	Methoxychlor	39	~~P~~
53494-70-5	Endrin ketone	16	
7421-93-4	Endrin aldehyde	7.6	~~P~~
5103-71-9	alpha-Chlordane	3.3	U
5103-74-2	gamma-Chlordane	3.0	~~P~~ U
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	730	
12672-29-6	Aroclor-1248	63	U
11097-69-1	Aroclor-1254	220	
11096-82-5	Aroclor-1260	63	U

kw 12/18/00

000311

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE031DL

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.04D5

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

% Moisture: 58 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/22/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/05/00

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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	20	U
319-85-7	beta-BHC	20	U
319-86-8	delta-BHC	20	U
58-89-9	gamma-BHC (Lindane)	20	U
76-44-8	Heptachlor	20	U
309-00-2	Aldrin	20	U
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	56	DP
72-55-9	4,4'-DDE	70	DP
72-20-8	Endrin	39	U
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	39	U
1031-07-8	Endosulfan sulfate	42	DP
50-29-3	4,4'-DDT	39	U
72-43-5	Methoxychlor	70	DPJ
53494-70-5	Endrin ketone	41	D
7421-93-4	Endrin aldehyde	59	D
5103-71-9	alpha-Chlordane	20	U
5103-74-2	gamma-Chlordane	31	DP
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	390	U
11104-28-2	Aroclor-1221	800	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	4600	D
12672-29-6	Aroclor-1248	390	U
11097-69-1	Aroclor-1254	1800	D
11096-82-5	Aroclor-1260	390	U

12/18/00

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE031

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.04

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

% Moisture: 58 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/22/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/04/00

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	4.0	U
319-85-7	beta-BHC	4.0	U
319-86-8	delta-BHC	4.0	U
58-89-9	gamma-BHC (Lindane)	4.0	U
76-44-8	Heptachlor	4.0	U
309-00-2	Aldrin	4.0	U
1024-57-3	Heptachlor epoxide	4.0	U
959-98-8	Endosulfan I	4.0	U
60-57-1	Dieldrin	22	~~P~~ J
72-55-9	4,4'-DDE	97	~~P~~ J
72-20-8	Endrin	140	PE
33213-65-9	Endosulfan II	7.9	U
72-54-8	4,4'-DDD	7.9	U
1031-07-8	Endosulfan sulfate	40	~~P~~ J
50-29-3	4,4'-DDT	220	E
72-43-5	Methoxychlor	40	U
53494-70-5	Endrin ketone	7.9	U
7421-93-4	Endrin aldehyde	7.9	U
5103-71-9	alpha-Chlordane	4.0	U
5103-74-2	gamma-Chlordane	31	P
8001-35-2	Toxaphene	400	U
12674-11-2	Aroclor-1016	79	U
11104-28-2	Aroclor-1221	160	U
11141-16-5	Aroclor-1232	79	U
53469-21-9	Aroclor-1242	3800	
12672-29-6	Aroclor-1248	79	U
11097-69-1	Aroclor-1254	540	~~P~~ J
11096-82-5	Aroclor-1260	79	U

lw 12/18/00

000299

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE030

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.01

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

% Moisture: 42 Decanted: (Y/N) N Date Received: 11/15/00

Extraction: (Type) SONC Date Extracted: 11/22/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.9	U
319-85-7	beta-BHC	2.9	U
319-86-8	delta-BHC	2.9	U
58-89-9	gamma-BHC (Lindane)	2.9	U
76-44-8	Heptachlor	2.9	U
309-00-2	Aldrin	2.9	U
1024-57-3	Heptachlor epoxide	2.9	U
959-98-8	Endosulfan I	2.9	U
60-57-1	Dieldrin	9.2	~~P~~ J
72-55-9	4,4'-DDE	17	~~P~~ J
72-20-8	Endrin	26	~~P~~ J
33213-65-9	Endosulfan II	5.7	U
72-54-8	4,4'-DDD	5.7	U
1031-07-8	Endosulfan sulfate	5.7	U
50-29-3	4,4'-DDT	25	~~P~~ J
72-43-5	Methoxychlor	29	U
53494-70-5	Endrin ketone	21	~~P~~ J
7421-93-4	Endrin aldehyde	5.7	U
5103-71-9	alpha-Chlordane	2.9	U
5103-74-2	gamma-Chlordane	2.9	U
8001-35-2	Toxaphene	290	U
12674-11-2	Aroclor-1016	57	U
11104-28-2	Aroclor-1221	120	U
11141-16-5	Aroclor-1232	57	U
53469-21-9	Aroclor-1242	710	
12672-29-6	Aroclor-1248	57	U
11097-69-1	Aroclor-1254	370	
11096-82-5	Aroclor-1260	57	U

kw 12/18/00

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK1

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: BLK112200C

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

% Moisture: _____ Decanted: (Y/N)___ Date Received: _____

Extraction: (Type) SONC Date Extracted: 11/22/00

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/04/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK1

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Lab Sample ID: BLK112200C Lab File ID: 1F004299

Matrix: (soil/water) SOIL Extraction: (Type) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 11/22/00

Date Analyzed (1): 12/04/00 Date Analyzed (2): 12/04/00

Time Analyzed (1): 2220 Time Analyzed (2): 2220

Instrument ID (1): HP1F Instrument ID (2): HP1R

GC Column (1): CLPESTICII ID: 0.53(mm) GC Column (2): CLPESTIC 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	EE031	45960.04	12/04/00	12/04/00
02	EE030	45960.01	12/04/00	12/04/00
03	EE032	45960.05	12/04/00	12/04/00
04	EE031DL	45960.04D5	12/05/00	12/05/00
05	EE030MS	45960.02MS	12/05/00	12/05/00
06	EE030MSD	45960.03MSD	12/05/00	12/05/00
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

Comments:

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix Spike - EPA Sample NO.: EE030

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC(Lindane)	29	0	21	72	46-127
Heptachlor	29	0	21	72	35-130
Aldrin	29	0	21	72	34-132
Dieldrin	57	9.2	45	63	31-134
Endrin	57	26	50	42	42-139
4,4'-DDT	57	25	56	54	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	29	23	79	9	50	46-127
Heptachlor	29	23	79	9	31	35-130
Aldrin	29	21	72	0	43	34-132
Dieldrin	57	47	66	5	38	31-134
Endrin	57	54	49	15	45	42-139
4,4'-DDT	57	60	61	12	50	23-134

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

* Values outside of QC limits

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

Comments: _____

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

GC Column(1): CLPESTICII ID: 0.53(mm) GC Column(2): CLPESTIC 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	64	62	77	80			0
02	EE031	73	97	160*	163*			2
03	EE030	87	94	0*	574*			2
04	EE032	68	94	109	250*			1
05	EE031DL	106	103	491D	267D			0
06	EE030MS	88	98	0*	487*			2
07	EE030MSD	83	90	174*	691*			2
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
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

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE030MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F10.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 42 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	43000	U
100-02-7	4-Nitrophenol	43000	U
132-64-9	Dibenzofuran	2900	J
121-14-2	2,4-Dinitrotoluene	17000	U
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	3700	J
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	43000	U
534-52-1	4,6-Dinitro-2-methylphenol	43000	U
86-30-6	N-Nitrosodiphenylamine (1)	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	43000	U
85-01-8	Phenanthrene	21000	
120-12-7	Anthracene	7400	J
86-74-8	Carbazole	1900	J
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	32000	
129-00-0	Pyrene	25000	
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	13000	J
218-01-9	Chrysene	12000	J
117-81-7	bis(2-Ethylhexyl)phthalate	17000	U
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	8100	J
207-08-9	Benzo(k)fluoranthene	11000	J
50-32-8	Benzo(a)pyrene	13000	J
193-39-5	Indeno(1,2,3-cd)pyrene	7400	J
53-70-3	Dibenz(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	11000	J

(1) Cannot be seperated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EE030MSD

Lab Name: AATSLA Contract: 68-W0-0078

Lab Code: AATSLA Case No.: 28737 SAS No.: SDG No.: EE030

Matrix: (soil/water) SOIL Lab Sample ID: 45960.03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 339F10.D

Level: (low/med) LOW Date Received: 11/15/00

% Moisture: 42 decanted: (Y/N) N Date Extracted: 11/22/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	17000	U
111-44-4	bis(2-Chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	17000	U
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	17000	U
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	bis(2-Chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	47000	
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	2700	J
91-57-6	2-Methylnaphthalene	3400	J
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	43000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	43000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	2800	J
99-09-2	3-Nitroaniline	43000	U
83-32-9	Acenaphthene	5400	J

DATE: December 29, 2000

TO: IEPA
1021 North Grand Avenue East
Springfield, IL 62702

Attn: Bob Casper

SITE NAME: WISCONSIN STEEL

CASE NO	LAB	NO # OF SAMPLES	SDG	MATRIX
28737	AATS	3	EE030	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, ESAT

RECEIVED
JAN 04 2001
IEPA-BOL-FSRS

DATE: January 5, 2001

TO: IEPA
1021 North Grand Avenue East
Springfield, IL 62702

Attn: Bob Casper

SITE NAME: WISCONSIN STEEL

CASE NO	LAB	NO # OF SAMPLES	SDG	MATRIX
28737	SENTINEL	12	MEE02P	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, ESAT

RECEIVED
JAN 0 9 2001
IEPA-BOL-FSRS

JAN 05 2001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: January 4, 2001

SUBJECT: Review of Data
Received for Review on December 4, 2000

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

TO: Data User: IEPA

We have reviewed the data by CADRE for the following case:

SITE NAME: Wisconsin Steel

CASE NUMBER: 28737 SDG NUMBER: MEE02P

Number and Type of Samples: 12 soils

Sample Numbers: MEE02P-T,W-Z; MEE030-2

Laboratory: Sentinel Hrs. for Review: 7

Following are our findings:

RECEIVED
JAN 09 2001
IEPA-BOL-FSRS

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

Case Number : 28737
Site Name: Wisconsin Steel

SDG Number: MEE02P
Laboratory: Sentinel

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

Twelve soil samples numbered MEE02P-T, MEE02W-Z, and MEE030-2 were collected on November 14, 2000. The lab received the samples on November 15, 2000. The temperature of the sample cooler was -0.5 degrees C when received. All samples were analyzed for metals. All samples were analyzed using CLP SOW ILM04.1 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

RECEIVED
JAN 09 2001
IEPA-BOL-FSRS

Reviewed By: J. Ganz
Date: January 4, 2001

Case Number : 28737
Site Name: Wisconsin Steel

SDG Number: MEE02P
Laboratory: Sentinel

1. HOLDING TIME:

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.

MEE02P, MEE02Q, MEE02R, MEE02S
MEE02T, MEE02W, MEE02X, MEE02Y, MEE02Z, MEE030
MEE031, MEE032

No problems were found for this qualification.

2. CALIBRATIONS:

CALIBRATION CRITERIA

Inorganic

Percent Recovery Limits

	--- Primary ---		-- Expanded ---	
	Low	High	Low	High
ICP	90.00	110.00	75.00	125.00
Mercury	80.00	120.00	65.00	135.00

No problems were found for this qualification.

3. BLANKS:

LABORATORY BLANKS CRITERIA

Reviewed By: J. Ganz
Date: January 4, 2001

Case Number : 28737
Site Name: Wisconsin Steel

SDG Number: MEE02P
Laboratory: Sentinel

No problems were found for this qualification.

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

MATRIX SPIKE CRITERIA

Inorganic

Percent Recovery Limits	
Upper	125.0
Lower	75.0
Extreme lower	30.0

DC-267: The following inorganic samples are associated with a matrix spike recovery which is high (>125%)
Hits are qualified "J" and non-detects are not flagged.

Chromium
MEE02P, MEE02Q, MEE02R, MEE02S
MEE02T, MEE02W, MEE02X, MEE02Y, MEE02Z, MEE030
MEE031, MEE032

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".

Zinc
MEE02P, MEE02Q, MEE02R, MEE02S
MEE02T, MEE02W, MEE02X, MEE02Y, MEE02Z, MEE030
MEE031, MEE032

No problems were found for the laboratory control sample.

5. LABORATORY AND FIELD DUPLICATE

No problems were found for this qualification.

6. ICP ANALYSIS

DC-295: The following inorganic samples are associated with an ICP serial dilution percent difference which is not in control. The serial dilution result is greater than the sample result, indicating a

Reviewed By: J. Ganz
Date: January 4, 2001

potential negative interference. The data must be qualified using professional judgement. All associated data are estimated "J".

Copper
MEE02P, MEE02Q, MEE02R, MEE02S
MEE02T, MEE02W, MEE02X, MEE02Y, MEE02Z, MEE030
MEE031, MEE032

The following results are associated with replicate exposure RSDs that were greater than 20% indicating interference.
Hits are qualified "J".

Selenium
MEE02Y, MEE030, MEE032

Thallium
MEE031

7. GFAA ANALYSIS

No GFAA analyses were performed for this case.

8. SAMPLE RESULTS

All data, except those qualified above, are acceptable.

Reviewed By: J. Ganz
Date: January 4, 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 #: 28737 SDG : MEE02P
Site : WISCONSIN STEEL
Lab. : SENTIN
Reviewer : J. GANZ
Date : JANUARY 4, 2001

Number of Soil Samples : 12
Number of Water Samples : 0

Sample Number :	MEE02P		MEE02Q		MEE02R		MEE02S		MEE02T	
Sampling Location :	X208		X209		X210		X211		X223	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	09:45		10:00		10:25		10:45		11:00	
%Solids :	40.2		55.6		59.7		57.7		40.1	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	11400		12200		5560		9100		12200	
ANTIMONY	10.7	U	7.7	U	7.1	U	7.5	U	10.6	U
ARSENIC	21.5		13.4		9.3		59.1		17.5	
BARIUM	80.0		56.0		36.6		89.2		74.8	
BERYLLIUM	0.10	U	0.070	U	0.070	U	0.21		0.10	U
CADMIUM	2.7		0.94		0.39		11.6		1.6	
CALCIUM	48500		42400		36600		42300		46600	
CHROMIUM	95.4	J	65.8	J	25.6	J	131	J	57.5	J
COBALT	11.6		7.4		8.3		14.1		14.7	
COPPER	127	J	127	J	60.4	J	159	J	124	J
IRON	74000		46400		32300		173000		54400	
LEAD	783		409		146		820		267	
MAGNESIUM	13600		10200		16700		10400		21700	
MANGANESE	2390		1970		876		4660		1710	
MERCURY	0.14		0.090	U	0.080	U	0.21		0.17	
NICKEL	54.0		43.0		23.1		84.2		45.8	
POTASSIUM	2170		1550		1360		1110		3350	
SELENIUM	2.0		1.2		0.66		1.3		1.1	
SILVER	3.0		1.9		1.1		5.7		2.1	
SODIUM	908		682		400		1580		807	
THALLIUM	3.1		1.3	U	1.2	U	5.0		1.8	U
VANADIUM	34.8		23.3		25.4		34.6		42.2	
ZINC	1050	J	579	J	390	J	2040	J	915	J
CYANIDE										

Analytical Results (Qualified Data)

Case #: 28737 SDG : MEE02P
Site : WISCONSIN STEEL
Lab. : SENTIN
Reviewer : J. GANZ
Date : JANUARY 4, 2001

Sample Number :	MEE02W		MEE02X		MEE02Y		MEE02Z		MEE030	
Sampling Location :	X215		X212		X217		X218		X219	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	11/14/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	11:30		11:15		12:15		12:30		12:45	
%Solids :	47.5		53.6		55.1		66.3		55.7	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	12400		9910		4900		6760		7190	
ANTIMONY	9.1	U	7.9	U	7.7	U	6.4	U	7.6	U
ARSENIC	35.7		30.0		14.4		7.5		13.8	
BARIUM	109		87.7		67.6		110		96.5	
BERYLLIUM	0.46		0.22		0.14		1.1		0.46	
CADMIUM	6.5		2.2		1.2		0.89		1.6	
CALCIUM	38800		44400		23200		40800		39300	
CHROMIUM	123	J	65.0	J	58.7	J	46.6	J	52.5	J
COBALT	16.5		13.5		7.3		3.9		9.8	
COPPER	142	J	105	J	66.3	J	29.3	J	85.9	J
IRON	179000		122000		41500		29000		44200	
LEAD	1420		622		357		136		241	
MAGNESIUM	12100		15100		6130		11900		15700	
MANGANESE	2770		2830		1140		1410		1120	
MERCURY	0.30		0.27		0.29		0.14		0.46	
NICKEL	94.7		54.6		26.3		56.2		32.3	
POTASSIUM	2090		1440		1150		764		1590	
SELENIUM	2.2		1.1		1.9	J	2.6		2.0	J
SILVER	5.6		3.8		1.9		0.86		1.4	
SODIUM	2490		1190		721		590		768	
THALLIUM	5.9		3.8		1.7		1.1	U	1.3	U
VANADIUM	42.3		35.9		22.4		17.2		31.7	
ZINC	3390	J	1450	J	660	J	358	J	853	J
CYANIDE										

Analytical Results (Qualified Data)

Case #: 28737 SDG : MEE02P
Site : WISCONSIN STEEL
Lab. : SENTIN
Reviewer : J. GANZ
Date : JANUARY 4, 2001

Sample Number :	MEE031		MEE032							
Sampling Location :	X220		X216							
Matrix :	Soil		Soil							
Units :	mg/Kg		mg/Kg							
Date Sampled :	11/14/2000		11/14/2000							
Time Sampled :	13:00		12:00							
%Solids :	33.8		51.8							
Dilution Factor :	1.0		1.0							
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	14300		8420							
ANTIMONY	12.6	U	8.3	U						
ARSENIC	38.2		16.4							
BARIUM	121		89.3							
BERYLLIUM	0.23		0.15							
CADMIUM	10.8		2.2							
CALCIUM	49300		46300							
CHROMIUM	262	J	52.4	J						
COBALT	16.3		12.4							
COPPER	206	J	101	J						
IRON	176000		53600							
LEAD	1940		261							
MAGNESIUM	12800		19300							
MANGANESE	3350		1520							
MERCURY	0.98		0.20							
NICKEL	115		38.0							
POTASSIUM	1960		2010							
SELENIUM	5.1		2.0	J						
SILVER	6.9		1.9							
SODIUM	4130		876							
THALLIUM	6.3	J	1.4	U						
VANADIUM	42.8		33.4							
ZINC	6090	J	991	J						
CYANIDE										

QC EXCEPTION SUMMARY REPORT

CASE\SAS#: 28737 SITE: Wisconsin Steel MATRIX: Soil WATER SAMPLE SPK: _____

DATA SET: MEE02P LAB: Sentinel CONC: low WATER SAMPLE DUP: _____

LAB QC # _____ REVIEWED BY: J. Ganz SOIL SAMPLE SPK: _____

DATE: 1-3-2001 SOIL SAMPLE DUP: _____

FORM #		FORM 2	FORM 2	FORM 3	FORM 3	FORM 3	FORM 4	FORM 5	FORM 6	FORM 7	FORM 7	FORM 9	FORM 9	FORM 6	FORM 5	FIELD	FIELD	FIELD	FIELD		
ELEMENT	HOLD TIME	INITIAL CALIB	CONTIN CALIB	CALIB BLANK	PREP WATER BLANK	PREP SOIL BLANK	ICS %R	SOIL SPIKE %R	SOIL DUP RPD	LCS AQ	LCS SOIL	SERIAL DILUTION AQUEOUS	SERIAL DILUTION SOIL	AQ DUP RPD	AQ SPIKE %R	BLANK	DUP RPD	BLANK	DUP RPD	GFAA DUP	GFAA ANALYT SPIKE
ALUMINUM																					
ANTIMONY																					
ARSENIC																					
BARIUM																					
BERYLLIUM																					
CADMIUM																					
CALCIUM																					
CHROMIUM								186.3													
COBALT																					
COPPER													10.7								
IRON																					
LEAD																					
MAGNESIUM																					
MANGANESE																					
MERCURY																					
NICKEL																					
POTASSIUM																					
SELENIUM																					
SILVER																					
SODIUM																					
THALLIUM																					
TIN																					
VANADIUM																					
ZINC								63.3													
CYANIDE																					

RSD>20% Se: 27, 30, 32 cooler (-0.
Tl: 31

USEPA Contract Laboratory Program
Inorganic Traffic Report

Case No. 28737
DAS No.
R

Region: 05	Date Shipped: 11/14/00	Sampler (Signature)	
Project Code: TFA 102	Carrier Name: Fed Ex		
Account Code:	Airbill: 811215526755		
CERCLIS ID ILD000849737	Shipped to:	Relinquished By:	Date / Time / Received By:
Spill ID:	Sentinel Inc.		
Site Name/State: Vessel Slips (WSW)/IL	2800 Bob Wallace Avenue	Relinquished By:	Date / Time / Received By:
Project Leader: Bruce Everetts	Suite L3		
Action:	Huntsville AL 35805	Relinquished By:	Date / Time / Received By:
Sampling Co.: IEPA	(205) 534-9800		

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ Preservative	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC TYPE
MEE02B	Soil/Sediment / Lance Range	L/G	TM (21)	5-053784 (Ice Only) (1)	X201	11/13/2000	13:00	EE02B	
MEE02C	Soil/Sediment / Lance Range	L/G	TM (21)	53787 (1)	X202	11/13/2000	13:30	EE02C	
MEE02E	Soil/Sediment / Lance Range	L/G	TM (21)	5-78195 (1)	X203	11/13/2000	14:00	EE02E	
MEE02F	Soil/Sediment / Lance Range	L/G	TM (21)	78197 (1)	X213	11/13/2000	14:15	EE02F	
MEE02G	Soil/Sediment / Lance Range	L/G	TM (21)	78199 (1)	X214	11/13/2000	14:45	EE02G	
MEE02H	Soil/Sediment / Lance Range	L/G	TM (21)	78201 (1)	X221	11/13/2000	15:00	EE02H	
MEE02J	Soil/Sediment / Lance Range	L/G	TM (21)	5-135748 (1)	X222	11/14/2000	08:30	EE02J	
MEE02K	Soil/Sediment / Lance Range	L/G	TM (21)	5-135761 (1)	X204	11/14/2000	09:00	EE02K	
MEE02L	Soil/Sediment / Lance Range	L/G	TM (21)	5-135763 (1)	X205	11/14/2000	09:15	EE02L	
MEE02M	Soil/Sediment / Lance Range	L/G	TM (21)	5-135765 (1)	X206	11/14/2000	09:30	EE02M	
MEE02N	Soil/Sediment / Lance Range	L/G	TM (21)	5-135767 (1)	X207	11/14/2000	09:30	EE02N	
• MEE02P	Soil/Sediment / Lance Range	L/G	TM (21)	5-135769 (1)	X208	11/14/2000	09:45	EE02P	
• MEE02Q	Soil/Sediment / Lance Range	L/G	TM (21)	5-135771 (1)	X209	11/14/2000	10:00	EE02Q	
• MEE02R	Soil/Sediment / Lance Range	L/G	TM (21)	5-135773 (1)	X210	11/14/2000	10:25	EE02R	
• MEE02S	Soil/Sediment / Lance Range	L/G	TM (21)	5-135775 (1)	X211	11/14/2000	10:45	EE02S	
• MEE02T	Soil/Sediment / Lance Range	L/G	TM (21)	5-135777 (1)	X223	11/14/2000	11:00	EE02T	

Original Documents Are Included In CSF MEE02B
Copy

Kimberly Hayes
Signature

11/15/00
Date

Shipment for Case Complete? Y Y/C	Sample(s) to be used for Laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number 20029 / ~~20031~~

Analysis Key: Concentration: L = Low M = Low/Medium H = High Type/Designate: Composite = C Grab = G

TM=CLP TAL Total Metals

Kimberly Hayes 11/15/00 0927 68W00085 $95.00

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

Seals Intact (Yes)

CTR Number: 05-40501273[illegible]-111400-0001

F2V4.0 Page 1 of 2

USEPA Contract Laboratory Program
Inorganic Traffic Report

Case No. 28737
DAS No.
R

Region: 05 Project Code: TFA 102 Account Code: CERCLIS ID: ILD000849737 Spill ID: Site Name/State: Vessel Slips (WSW)/IL Project Leader: Bruce Everetts Action: Sampling Co.: IEPA	Date Shipped: 11/14/00 Carrier Name: Fed Ex Airbill: 811215526755 Shipped to: Sentinel Inc. 2800 Bob Wallace Avenue Suite L3 Huntsville AL 35805 (205) 534-9800	Sampler (Signature) [signature]	
		Relinquished By:	Date / Time	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.	QC TYPE
MEE02W	Soil/Sediment / Lance Range	L/G	TM (21)	5-135779 (1)	X215	11/14/2000 11:30	EE02W	--
MEE02X	Soil/Sediment / Lance Range	L/G	TM (21)	5-135781 (1)	X212	11/14/2000 11:15	EE02X	--
MEE02Y	Soil/Sediment / Lance Range	L/G	TM (21)	5-139173 (1)	X217	11/14/2000 12:15	EE02Y	--
MEE02Z	Soil/Sediment / Lance Range	L/G	TM (21)	5-139193 (1)	X218	11/14/2000 12:30	EE02Z	--
MEE030	Soil/Sediment / Lance Range	L/G	TM (21)	5-139195 (1)	X219	11/14/2000 12:45	EE030	--
MEE031	Soil/Sediment / Lance Range	L/G	TM (21)	5-139197 (1)	X220	11/14/2000 13:00	EE031	--
MEE032	Soil/Sediment / Lance Range	L/G	TM (21)	5-053393 (1)	X216	11/14/2000 12:00	EE032	--

Shipment for Case Complete? Yes	Sample(s) to be used for Laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number 20029 / ~~20031~~
Analysis Key: TM=CLP TAL Total Metals	Concentration: L = Low M = Low/Medium H = High Type/Designate: Composite = C Grab = G		

Kimberly Hayes 11/15/00 0927 68W00085 $95.00

Seals Intact (Yes)

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

DEC 04 2000

SDG NARRATIVE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

SOW No.: ILM04.1

SAMPLE RECEIPT: Temperature Blank: PRESENT ____ ABSENT X
If Absent, a non-invasive laser measurement is taken using a sample.
Cooler temperature(s) recorded via laser measurement were: -0.5°C
Refer to Record of Communication regarding mislabeled EPA Sample numbers for samples:

Refer to Record of Communication regarding misidentified tag numbers for samples:

Refer to Record of Communication regarding sample preservation anomalies for samples:

QC Specified: Yes ____ No X If no, chose: MEE02Q

ANALYSIS: The following analyte(s) were estimated due to possible matrix interferences:
Cu

DOCUMENT CONTROL: The following invalid defects resulted due to CCS program anomalies:
Initial Assessment: 1008 - SOW missing/invalid (Caused by ILM04.1 SOW)
Full Assessment: None

OTHER:

Signature: [signature]

Name & Title: BA Ritgure QA Ofcr Date: 11/29/00

DEC 04 2000

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

SOW No.: ILM04.1

EPA SAMPLE NO.	Lab Sample ID.
MEE02P	35512S
MEE02Q	35513S
MEE02QD	35513S2
MEE02QS	35513MS
MEE02R	35514S
MEE02S	35515S
MEE02T	35516S
MEE02W	35517S
MEE02X	35518S
MEE02Y	35519S
MEE02Z	35520S
MEE030	35521S
MEE031	35522S
MEE032	35523S

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: [signature]

Name: BARilgwe Title: QAOfa Date: 11/29/00

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEE02P

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35512S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 40.2

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	10.7	U		P
7440-38-2	Arsenic	21.5			P
7440-39-3	Barium	80.0	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	2.7			P
7440-70-2	Calcium	48500			P
7440-47-3	Chromium	95.4		N	P
7440-48-4	Cobalt	11.6	B		P
7440-50-8	Copper	127		E	P
7439-89-6	Iron	74000			P
7439-92-1	Lead	783			P
7439-95-4	Magnesium	13600			P
7439-96-5	Manganese	2390		*	P
7439-97-6	Mercury	0.14	B		CV
7440-02-0	Nickel	54.0			P
7440-09-7	Potassium	2170	B		P
7782-49-2	Selenium	2.0	B		P
7440-22-4	Silver	3.0	B		P
7440-23-5	Sodium	908	B		P
7440-28-0	Thallium	3.1	B		P
7440-62-2	Vanadium	34.8			P
7440-66-6	Zinc	1050		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEE02Q

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35513S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 55.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12200			P
7440-36-0	Antimony	7.7	U		P
7440-38-2	Arsenic	13.4			P
7440-39-3	Barium	56.0	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium	0.94	B		P
7440-70-2	Calcium	42400			P
7440-47-3	Chromium	65.8		N	P
7440-48-4	Cobalt	7.4	B		P
7440-50-8	Copper	127		E	P
7439-89-6	Iron	46400			P
7439-92-1	Lead	409			P
7439-95-4	Magnesium	10200			P
7439-96-5	Manganese	1970		*	P
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	43.0			P
7440-09-7	Potassium	1550	B		P
7782-49-2	Selenium	1.2	B		P
7440-22-4	Silver	1.9	B		P
7440-23-5	Sodium	682	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	23.3			P
7440-66-6	Zinc	579		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEE02R

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35514S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 59.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5560			P
7440-36-0	Antimony	7.1	U		P
7440-38-2	Arsenic	9.3			P
7440-39-3	Barium	36.6	B		P
7440-41-7	Beryllium	0.07	U		P
7440-43-9	Cadmium	0.39	B		P
7440-70-2	Calcium	36600			P
7440-47-3	Chromium	25.6		N	P
7440-48-4	Cobalt	8.3	B		P
7440-50-8	Copper	60.4		E	P
7439-89-6	Iron	32300			P
7439-92-1	Lead	146			P
7439-95-4	Magnesium	16700			P
7439-96-5	Manganese	876		*	P
7439-97-6	Mercury	0.08	U		CV
7440-02-0	Nickel	23.1			P
7440-09-7	Potassium	1360	B		P
7782-49-2	Selenium	0.66	B		P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	400	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	25.4			P
7440-66-6	Zinc	390		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEE02S

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35515S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 57.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9100			P
7440-36-0	Antimony	7.5	U		P
7440-38-2	Arsenic	59.1			P
7440-39-3	Barium	89.2			P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	11.6			P
7440-70-2	Calcium	42300			P
7440-47-3	Chromium	131		N	P
7440-48-4	Cobalt	14.1	B		P
7440-50-8	Copper	159		E	P
7439-89-6	Iron	173000			P
7439-92-1	Lead	820			P
7439-95-4	Magnesium	10400			P
7439-96-5	Manganese	4660		*	P
7439-97-6	Mercury	0.21			CV
7440-02-0	Nickel	84.2			P
7440-09-7	Potassium	1110	B		P
7782-49-2	Selenium	1.3	B		P
7440-22-4	Silver	5.7			P
7440-23-5	Sodium	1580	B		P
7440-28-0	Thallium	5.0			P
7440-62-2	Vanadium	34.6			P
7440-66-6	Zinc	2040		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEE02T

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35516S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 40.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12200			P
7440-36-0	Antimony	10.6	U		P
7440-38-2	Arsenic	17.5			P
7440-39-3	Barium	74.8	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	1.6	B		P
7440-70-2	Calcium	46600			P
7440-47-3	Chromium	57.5		N	P
7440-48-4	Cobalt	14.7	B		P
7440-50-8	Copper	124		E	P
7439-89-6	Iron	54400			P
7439-92-1	Lead	267			P
7439-95-4	Magnesium	21700			P
7439-96-5	Manganese	1710		*	P
7439-97-6	Mercury	0.17	B		CV
7440-02-0	Nickel	45.8			P
7440-09-7	Potassium	3350			P
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	2.1	B		P
7440-23-5	Sodium	807	B		P
7440-28-0	Thallium	1.8	U		P
7440-62-2	Vanadium	42.2			P
7440-66-6	Zinc	915		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEE02W

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35517S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 47.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12400			P
7440-36-0	Antimony	9.1	U		P
7440-38-2	Arsenic	35.7			P
7440-39-3	Barium	109			P
7440-41-7	Beryllium	0.46	B		P
7440-43-9	Cadmium	6.5			P
7440-70-2	Calcium	38800			P
7440-47-3	Chromium	123		N	P
7440-48-4	Cobalt	16.5	B		P
7440-50-8	Copper	142		E	P
7439-89-6	Iron	179000			P
7439-92-1	Lead	1420			P
7439-95-4	Magnesium	12100			P
7439-96-5	Manganese	2770		*	P
7439-97-6	Mercury	0.30			CV
7440-02-0	Nickel	94.7			P
7440-09-7	Potassium	2090	B		P
7782-49-2	Selenium	2.2			P
7440-22-4	Silver	5.6			P
7440-23-5	Sodium	2490			P
7440-28-0	Thallium	5.9			P
7440-62-2	Vanadium	42.3			P
7440-66-6	Zinc	3390		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEE02X

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35518S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 53.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9910			P
7440-36-0	Antimony	7.9	U		P
7440-38-2	Arsenic	30.0			P
7440-39-3	Barium	87.7			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	2.2			P
7440-70-2	Calcium	44400			P
7440-47-3	Chromium	65.0		N	P
7440-48-4	Cobalt	13.5	B		P
7440-50-8	Copper	105		E	P
7439-89-6	Iron	122000			P
7439-92-1	Lead	622			P
7439-95-4	Magnesium	15100			P
7439-96-5	Manganese	2830		*	P
7439-97-6	Mercury	0.27			CV
7440-02-0	Nickel	54.6			P
7440-09-7	Potassium	1440	B		P
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	3.8			P
7440-23-5	Sodium	1190	B		P
7440-28-0	Thallium	3.8			P
7440-62-2	Vanadium	35.9			P
7440-66-6	Zinc	1450		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEE02Y

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35519S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 55.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4900			P
7440-36-0	Antimony	7.7	U		P
7440-38-2	Arsenic	14.4			P
7440-39-3	Barium	67.6	B		P
7440-41-7	Beryllium	0.14	B		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	23200			P
7440-47-3	Chromium	58.7		N	P
7440-48-4	Cobalt	7.3	B		P
7440-50-8	Copper	66.3		E	P
7439-89-6	Iron	41500			P
7439-92-1	Lead	357			P
7439-95-4	Magnesium	6130			P
7439-96-5	Manganese	1140		*	P
7439-97-6	Mercury	0.29			CV
7440-02-0	Nickel	26.3			P
7440-09-7	Potassium	1150	B		P
7782-49-2	Selenium	1.9			P
7440-22-4	Silver	1.9	B		P
7440-23-5	Sodium	721	B		P
7440-28-0	Thallium	1.7	B		P
7440-62-2	Vanadium	22.4			P
7440-66-6	Zinc	660		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEE02Z

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35520S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 66.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6760			P
7440-36-0	Antimony	6.4	U		P
7440-38-2	Arsenic	7.5			P
7440-39-3	Barium	110			P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	0.89	B		P
7440-70-2	Calcium	40800			P
7440-47-3	Chromium	46.6		N	P
7440-48-4	Cobalt	3.9	B		P
7440-50-8	Copper	29.3		E	P
7439-89-6	Iron	29000			P
7439-92-1	Lead	136			P
7439-95-4	Magnesium	11900			P
7439-96-5	Manganese	1410		*	P
7439-97-6	Mercury	0.14	B		CV
7440-02-0	Nickel	56.2			P
7440-09-7	Potassium	764	B		P
7782-49-2	Selenium	2.6			P
7440-22-4	Silver	0.86	B		P
7440-23-5	Sodium	590	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	17.2			P
7440-66-6	Zinc	358		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEE030

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35521S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 55.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7190			P
7440-36-0	Antimony	7.6	U		P
7440-38-2	Arsenic	13.8			P
7440-39-3	Barium	96.5			P
7440-41-7	Beryllium	0.46	B		P
7440-43-9	Cadmium	1.6	B		P
7440-70-2	Calcium	39300			P
7440-47-3	Chromium	52.5		N	P
7440-48-4	Cobalt	9.8	B		P
7440-50-8	Copper	85.9		E	P
7439-89-6	Iron	44200			P
7439-92-1	Lead	241			P
7439-95-4	Magnesium	15700			P
7439-96-5	Manganese	1120		*	P
7439-97-6	Mercury	0.46			CV
7440-02-0	Nickel	32.3			P
7440-09-7	Potassium	1590	B		P
7782-49-2	Selenium	2.0			P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	768	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	31.7			P
7440-66-6	Zinc	853		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEE031

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35522S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 33.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14300			P
7440-36-0	Antimony	12.6	U		P
7440-38-2	Arsenic	38.2			P
7440-39-3	Barium	121			P
7440-41-7	Beryllium	0.23	B		P
7440-43-9	Cadmium	10.8			P
7440-70-2	Calcium	49300			P
7440-47-3	Chromium	262		N	P
7440-48-4	Cobalt	16.3	B		P
7440-50-8	Copper	206		E	P
7439-89-6	Iron	176000			P
7439-92-1	Lead	1940			P
7439-95-4	Magnesium	12800			P
7439-96-5	Manganese	3350		*	P
7439-97-6	Mercury	0.98			CV
7440-02-0	Nickel	115			P
7440-09-7	Potassium	1960	B		P
7782-49-2	Selenium	5.1			P
7440-22-4	Silver	6.9			P
7440-23-5	Sodium	4130			P
7440-28-0	Thallium	6.3			P
7440-62-2	Vanadium	42.8			P
7440-66-6	Zinc	6090		N	P
	Cyanide				NR

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEE032

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Matrix (soil/water): SOIL Lab Sample ID: 35523S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 51.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8420			P
7440-36-0	Antimony	8.3	U		P
7440-38-2	Arsenic	16.4			P
7440-39-3	Barium	89.3			P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	2.2			P
7440-70-2	Calcium	46300			P
7440-47-3	Chromium	52.4		N	P
7440-48-4	Cobalt	12.4	B		P
7440-50-8	Copper	101		E	P
7439-89-6	Iron	53600			P
7439-92-1	Lead	261			P
7439-95-4	Magnesium	19300			P
7439-96-5	Manganese	1520		*	P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	38.0			P
7440-09-7	Potassium	2010			P
7782-49-2	Selenium	2.0			P
7440-22-4	Silver	1.9	B		P
7440-23-5	Sodium	876	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	33.4			P
7440-66-6	Zinc	991		N	P
	Cyanide				NR

Color Before: BLACK 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.: 28737 SAS No.: SDG No.: MEE02P

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	65.9	U	68.0	B	65.9	U	65.9	U	13.180	U	P
Antimony	21.5	U	21.5	U	21.5	U	21.5	U	4.300	U	P
Arsenic	1.6	B	2.6	B	1.7	B	1.6	U	0.320	U	P
Barium	3.9	U	3.9	U	3.9	U	3.9	U	0.780	U	P
Beryllium	0.4	B	0.2	U	0.2	U	0.2	U	0.040	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	0.080	U	P
Calcium	1768.1	U	1768.1	U	1768.1	U	1768.1	U	353.620	U	P
Chromium	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Cobalt	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Copper	1.4	U	1.4	U	1.4	U	1.4	U	0.280	U	P
Iron	31.7	U	52.6	B	41.8	B	31.7	U	11.880	B	P
Lead	1.9	U	1.9	U	1.9	U	1.9	U	0.380	B	P
Magnesium	70.0	U	123.6	B	70.0	U	70.0	U	14.000	U	P
Manganese	5.3	U	5.3	U	5.3	U	5.3	U	1.060	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.050	U	CV
Nickel	1.9	U	1.9	U	1.9	U	1.9	U	0.380	U	P
Potassium	33.5	B	32.0	U	32.0	U	32.0	U	6.400	U	P
Selenium	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Silver	1.4	U	1.4	U	1.4	U	1.4	U	0.280	U	P
Sodium	956.3	U	956.3	U	956.3	U	956.3	U	191.260	U	P
Thallium	3.7	U	3.7	U	3.7	U	3.7	U	0.740	U	P
Vanadium	1.7	U	1.7	U	1.7	U	1.7	U	0.340	U	P
Zinc	10.7	U	10.7	U	10.7	U	10.7	U	2.140	U	P
Cyanide											NR

3

BLANKS

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

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			78.5	B							P
Antimony			21.5	U							P
Arsenic			1.6	U							P
Barium			3.9	U							P
Beryllium			0.2	U							P
Cadmium			0.4	U							P
Calcium			1768.1	U							P
Chromium			1.0	U							P
Cobalt			2.0	U							P
Copper			1.4	U							P
Iron			43.6	B							P
Lead			1.9	U							P
Magnesium			86.6	B							P
Manganese			5.3	U							P
Mercury											NR
Nickel			1.9	U							P
Potassium			32.0	U							P
Selenium			2.0	U							P
Silver			1.4	U							P
Sodium			956.3	U							P
Thallium			3.7	U							P
Vanadium			1.7	U							P
Zinc			10.7	U							P
Cyanide											NR

3

BLANKS

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

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	1.0	U	1.0	U	1.0	U					P
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	10.7	U	10.7	U	10.7	U					P
Cyanide											NR

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEE02QS

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

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

% Solids for Sample: 55.6

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	142.3022		7.7338	U	179.86	79.1		P
Arsenic	75-125	25.6835		13.3813		14.39	85.5		P
Barium	75-125	799.8201		56.0432	B	719.42	103.4		P
Beryllium	75-125	16.1871		0.0719	U	17.99	90.0		P
Cadmium	75-125	18.4892		0.9353	B	17.99	97.6		P
Calcium									NR
Chromium	75-125	199.7842		65.7554		71.94	186.3	N	P
Cobalt	75-125	184.7482		7.3741	B	179.86	98.6		P
Copper	75-125	219.0647		127.2302		89.93	102.1		P
Iron									NR
Lead		566.6906		409.4964		7.19	2186.3		P
Magnesium									NR
Manganese		4483.7410		1970.4317		179.86	1397.4		P
Mercury	75-125	1.0612		0.0899	U	0.90	117.9		CV
Nickel	75-125	212.5899		43.0216		179.86	94.3		P
Potassium									NR
Selenium	75-125	4.3885		1.1511	B	3.60	89.9		P
Silver	75-125	18.7050		1.8705	B	17.99	93.6		P
Sodium									NR
Thallium	75-125	17.4101		1.3309	U	17.99	96.8		P
Vanadium	75-125	220.7194		23.3453		179.86	109.7		P
Zinc	75-125	692.9856		579.1367		179.86	63.3	N	P
Cyanide									NR

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEE02QA

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

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									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium		538.50		182.80		365.6	97.3		P
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		4600.50		1610.00		3220.0	92.9		P
Cyanide									NR

Comments:

6

DUPLICATES

EPA SAMPLE NO.

MEE02QD

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

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

% Solids for Sample: 55.6 % Solids for Duplicate: 55.6

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		12222.0863		12280.4317		0.5		P
Antimony		7.7338	U	7.7338	U			P
Arsenic	3.6	13.3813		14.1367		5.5		P
Barium		56.0432	B	59.3885	B	5.8		P
Beryllium		0.0719	U	0.0719	U			P
Cadmium		0.9353	B	1.0791	B	14.3		P
Calcium		42390.5755		42305.8273		0.2		P
Chromium		65.7554		75.5036		13.8		P
Cobalt		7.3741	B	7.7698	B	5.2		P
Copper		127.2302		140.2518		9.7		P
Iron		46353.0216		54096.4029		15.4		P
Lead		409.4964		423.6691		3.4		P
Magnesium		10163.0576		11869.0647		15.5		P
Manganese		1970.4317		2512.8777		24.2	*	P
Mercury		0.0899	U	0.0899	U			CV
Nickel	14.4	43.0216		43.5612		1.2		P
Potassium		1548.7050	B	1444.8201	B	6.9		P
Selenium		1.1511	B	1.5108	B	27.0		P
Silver		1.8705	B	1.8705	B	0.0		P
Sodium		681.6906	B	734.3885	B	7.4		P
Thallium		1.3309	U	1.3309	U			P
Vanadium	18.0	23.3453		29.9281		24.7		P
Zinc		579.1367		598.3813		3.3		P
Cyanide								NR

EPA SAMPLE NO.

ICP SERIAL DILUTIONS

MEE02QL

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

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	33977.40		34588.00		1.8		P
Antimony	21.50	U	107.50	U			P
Arsenic	37.20		55.00		47.8		P
Barium	155.80	B	159.00	B	2.1		P
Beryllium	0.20	U	1.00	U			P
Cadmium	2.60	B	2.00	B	23.1		P
Calcium	117845.80		124991.00		6.1		P
Chromium	182.80		192.00		5.0		P
Cobalt	20.50	B	23.00	B	12.2		P
Copper	353.70		391.50		10.7	E	P
Iron	128861.40		134610.00		4.5		P
Lead	1138.40		1189.50		4.5		P
Magnesium	28253.30		29903.50		5.8		P
Manganese	5477.80		5751.00		5.0		P
Mercury							NR
Nickel	119.60		126.00	B	5.4		P
Potassium	4305.40	B	4286.00	B	0.5		P
Selenium	3.20	B	10.00	B	212.5		P
Silver	5.20	B	7.00	U	100.0		P
Sodium	1895.10	B	4781.50	U	100.0		P
Thallium	3.70	U	18.50	U			P
Vanadium	64.90		66.50	B	2.5		P
Zinc	1610.00		1708.50		6.1		P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

ICP ID Number: P3 Date: 10/18/00

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	65.9	P
Antimony	206.80		60	21.5	P
Arsenic	189.00		10	1.6	P
Barium	493.40		200	3.9	P
Beryllium	313.00		5	0.2	P
Cadmium	226.50		5	0.4	P
Calcium	317.90		5000	1768.1	P
Chromium	267.70		10	1.0	P
Cobalt	228.60		50	2.0	P
Copper	324.70		25	1.4	P
Iron	271.40		100	31.7	P
Lead	220.30		3	1.9	P
Magnesium	279.00		5000	70.0	P
Manganese	257.60		15	5.3	P
Mercury			0.2		NR
Nickel	231.60		40	1.9	P
Potassium	766.40		5000	32.0	P
Selenium	196.00		5	2.0	P
Silver	328.00		10	1.4	P
Sodium	330.20		5000	956.3	P
Thallium	190.80		10	3.7	P
Vanadium	292.40		50	1.7	P
Zinc	206.20		20	10.7	P
Cyanide			10		NR

Comments:
P3: 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.: 28737 SAS No.: SDG No.: MEE02P

ICP ID Number: Date: 10/15/00

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

13
PREPARATION LOG

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	11/16/00	1.00	200
MEE02P	11/16/00	1.00	200
MEE02Q	11/16/00	1.00	200
MEE02QD	11/16/00	1.00	200
MEE02QS	11/16/00	1.00	200
MEE02R	11/16/00	1.02	200
MEE02S	11/16/00	1.00	200
MEE02T	11/16/00	1.01	200
MEE02W	11/16/00	1.00	200
MEE02X	11/16/00	1.02	200
MEE02Y	11/16/00	1.01	200
MEE02Z	11/16/00	1.02	200
MEE030	11/16/00	1.01	200
MEE031	11/16/00	1.01	200
MEE032	11/16/00	1.00	200
PBS	11/16/00	1.00	200

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: Sentinel Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02P

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	11/16/00	0.20	100
MEE02P	11/16/00	0.20	100
MEE02Q	11/16/00	0.20	100
MEE02QD	11/16/00	0.20	100
MEE02QS	11/16/00	0.20	100
MEE02R	11/16/00	0.20	100
MEE02S	11/16/00	0.21	100
MEE02T	11/16/00	0.20	100
MEE02W	11/16/00	0.21	100
MEE02X	11/16/00	0.21	100
MEE02Y	11/16/00	0.21	100
MEE02Z	11/16/00	0.21	100
MEE030	11/16/00	0.21	100
MEE031	11/16/00	0.21	100
MEE032	11/16/00	0.22	100
PBS	11/16/00	0.20	100

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: MEE02P CERCLIS No: ILD000849737

Case No: 28739 Site Name/Location: Wisconsin Steel

Contractor or EPA Lab: Sentinel Data User: IEPA

No. of Samples: 11 Date Sampled or Date Received: 12-4-00

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: 11 No. of samples received: 11

Received by: Eva M. Dixon / ESAT Date: 12-4-00

Received by LSSS: Eva M. Dixon / ESAT Date: 12-4-00

Review started: 12-28-2000 Reviewer Signature: J Gary

Total time spent on review: 7 Date review completed: 1-4-2001

Copied by: Eva M. Dixon / ESAT Date: 1-5-01

Mailed to user by: Eva M. Dixon / ESAT Date: 1-5-01

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: January 8, 2001

TO: IEPA
1021 North Grand Avenue East
Springfield, IL 62702

Attn: Bob Casper

SITE NAME: WISCONSIN STEEL

CASE NO	LAB	NO # OF SAMPLES	SDG	MATRIX
28737	SENTINEL	11	MEE02b	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, ESAT

RECEIVED
JAN 12 2001
IEPA-BOL-FSRS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: January 5, 2001

SUBJECT: Review of Data
Received for Review on December 4, 2000

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

TO: Data User: IEPA

We have reviewed the data by CADRE for the following case:

SITE NAME: Wisconsin Steel

CASE NUMBER: 28737 SDG NUMBER: MEE02B

Number and Type of Samples: 11 soils

Sample Numbers: MEE02B,C,E-H,J-N

Laboratory: Sentinel Hrs. for Review: 7.5

Following are our findings:

RECEIVED
JAN 12 2001
IEPA-BOL-FSRS

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

Case Number : 28737
Site Name: Wisconsin Steel

SDG Number: MEE02B
Laboratory: Sentinel

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

Eleven soil samples numbered MEE02B, MEE02C, MEE02E-H, and MEE02J-N were collected on October 13 and 14, 2000. The lab received the samples on October 15, 2000. The temperature of the sample cooler was -0.5 degrees C upon receipt. All samples were analyzed for metals. All samples were analyzed using CLP SOW ILM04.1 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

Some blank results on form 3 were corrected by the reviewer.

Reviewed By: J. Ganz
Date: January 5, 2001

Case Number : 28737
Site Name: Wisconsin Steel

SDG Number: MEE02B
Laboratory: Sentinel

1. **HOLDING TIME:**

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

DC-280: The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

MEE02B, MEE02C, MEE02E, MEE02F
MEE02G, MEE02H, MEE02J, MEE02K, MEE02L, MEE02M
MEE02N

No problems were found for this qualification.

2. **CALIBRATIONS:**

CALIBRATION CRITERIA

Inorganic

Percent Recovery Limits

	--- Primary ---		-- Expanded ---	
	Low	High	Low	High
ICP	90.00	110.00	75.00	125.00
Mercury	80.00	120.00	65.00	135.00

No problems were found for this qualification.

3. **BLANKS:**

LABORATORY BLANKS CRITERIA

DC-284: The following inorganic samples are associated with a blank concentration which is greater than the instrument detection

Reviewed By: J. Ganz
Date: January 5, 2001

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.

Beryllium
MEE02F, MEE02J

Cadmium
MEE02F, MEE02H

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

MATRIX SPIKE CRITERIA

Inorganic

Percent Recovery Limits	
Upper	125.0
Lower	75.0
Extreme lower	30.0

DC-267: The following inorganic samples are associated with a matrix spike recovery which is high (>125%)
Hits are qualified "J" and non-detects are not flagged.

Manganese
MEE02B, MEE02C, MEE02E, MEE02F
MEE02G, MEE02H, MEE02J, MEE02K, MEE02L, MEE02M
MEE02N

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
MEE02B, MEE02C, MEE02E, MEE02F
MEE02G, MEE02H, MEE02J, MEE02K, MEE02L, MEE02M
MEE02N

Lead
MEE02B, MEE02C, MEE02E, MEE02F
MEE02G, MEE02H, MEE02J, MEE02K, MEE02L, MEE02M
MEE02N

Reviewed By: J. Ganz
Date: January 5, 2001

Case Number : 28737
Site Name: Wisconsin Steel

SDG Number: MEE02B
Laboratory: Sentinel

Selenium
MEE02B, MEE02C, MEE02E, MEE02F
MEE02G, MEE02H, MEE02J, MEE02K, MEE02L, MEE02M
MEE02N

No problems were found for the laboratory control sample.

5. LABORATORY AND FIELD DUPLICATE

DC-256: The following inorganic samples are associated with duplicate results which did not meet relative percent difference (RPD) criteria.
Hits and non-detects are qualified "J".

Lead
MEE02B, MEE02C, MEE02E, MEE02F, MEE02G
MEE02H, MEE02J, MEE02K, MEE02L, MEE02M, MEE02N

6. ICP ANALYSIS

The following result are associated with replicate exposure RSDs that were greater than 20% indicating interference.
Hits are qualified "J".

Selenium
MEE02M

7. GFAA ANALYSIS

No GFAA analyses were performed for this case.

8. SAMPLE RESULTS

All data, except those qualified above, are acceptable.

Reviewed By: J. Ganz
Date: January 5, 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 #: 28737 SDG : MEE02B
Site : WISCONSIN STEEL
Lab. : SENTIN
Reviewer : J. GANZ
Date : JANUARY 5, 2001

Number of Soil Samples : 11
Number of Water Samples : 0

Sample Number :	MEE02B		MEE02C		MEE02E		MEE02F		MEE02G	
Sampling Location :	X201		X202		X203		X213		X214	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	11/13/2000		11/13/2000		11/13/2000		11/13/2000		11/13/2000	
Time Sampled :	13:00		13:30		14:00		14:15		14:45	
%Solids :	49.8		82.5		81.5		73.9		79.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	5310		10200		10100		7220		12100	
ANTIMONY	8.6	UJ	5.2	UJ	5.3	UJ	5.8	UJ	5.4	UJ
ARSENIC	5.1		10.4		7.9		11.9		7.6	
BARIUM	40.4		47.2		49.0		48.0		81.8	
BERYLLIUM	0.080	U	0.050	U	0.050	U	0.050	J	0.050	U
CADMIUM	0.16	U	0.10	U	0.10	U	0.40	J	0.10	U
CALCIUM	44200		50700		52500		41100		58500	
CHROMIUM	11.6		22.4		17.5		17.6		20.1	
COBALT	6.8		12.0		11.7		10.0		11.2	
COPPER	17.4		43.1		26.8		34.4		21.9	
IRON	16100		29700		20900		29700		22000	
LEAD	21.7	J	28.9	J	12.7	J	64.7	J	12.1	J
MAGNESIUM	22100		24500		24800		19100		28300	
MANGANESE	526	J	558	J	370	J	692	J	440	J
MERCURY	0.10	U	0.060	U	0.060	U	0.060	U	0.060	U
NICKEL	16.1		32.9		31.8		27.9		31.0	
POTASSIUM	1340		3480		3300		2130		3740	
SELENIUM	1.4	J	0.48	UJ	0.49	UJ	0.59	J	0.51	UJ
SILVER	0.56	U	0.53		0.34		0.59		0.35	U
SODIUM	384	U	273		235	U	414		341	
THALLIUM	1.5	U	1.7		0.91	U	1.4		1.2	
VANADIUM	13.9		23.8		21.9		18.2		24.8	
ZINC	86.2		86.3		49.9		143		49.8	
CYANIDE										

Analytical Results (Qualified Data)

Case #: 28737 SDG : MEE02B
Site : WISCONSIN STEEL
Lab. : SENTIN
Reviewer : J. GANZ
Date : JANUARY 5, 2001

Sample Number :	MEE02H		MEE02J		MEE02K		MEE02L		MEE02M	
Sampling Location :	X221		X222		X204		X205		X206	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	11/13/2000		11/14/2000		11/14/2000		11/14/2000		11/14/2000	
Time Sampled :	15:00		08:30		09:00		09:15		09:30	
%Solids :	70.2		50.7		77.5		50.6		48.5	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	11600		12600		10900		10300		11600	
ANTIMONY	6.1	UJ	8.4	UJ	5.4	UJ	8.4	UJ	8.7	UJ
ARSENIC	10.2		33.6		7.8		17.6		25.2	
BARIUM	62.3		90.3		56.1		69.7		96.0	
BERYLLIUM	0.060	U	0.27	J	0.050	U	0.080	U	0.080	U
CADMIUM	0.62	J	7.8		0.10	U	1.7		3.8	
CALCIUM	53400		41000		61000		53900		50800	
CHROMIUM	34.4		135		19.6		51.3		86.0	
COBALT	11.4		13.9		11.8		13.3		15.3	
COPPER	44.1		145		25.3		110		132	
IRON	40000		137000		23400		59500		85200	
LEAD	171	J	1500	J	22.3	J	256	J	529	J
MAGNESIUM	23200		12500		26000		21300		18400	
MANGANESE	807	J	2120	J	552	J	1800	J	4450	J
MERCURY	0.070	U	0.26		0.060	U	0.14		0.21	
NICKEL	36.9		82.6		32.6		41.2		60.8	
POTASSIUM	3790		1950		3260		2450		2520	
SELENIUM	0.56	J	3.5	J	0.51	UJ	0.86	J	2.4	J
SILVER	0.96		5.5		0.40		1.9		3.2	
SODIUM	548		2990		377		989		1400	
THALLIUM	1.6		13.7		0.94	U	4.9		8.6	
VANADIUM	25.9		37.1		23.1		36.1		35.6	
ZINC	452		4300		68.2		884		1410	
CYANIDE										

Analytical Results (Qualified Data)

Case #: 28737 SDG : MEE02B
Site : WISCONSIN STEEL
Lab. : SENTIN
Reviewer : J. GANZ
Date : JANUARY 5, 2001

Sample Number :	MEE02N									
Sampling Location :	X207									
Matrix :	Soil									
Units :	mg/Kg									
Date Sampled :	11/14/2000									
Time Sampled :	09:30									
%Solids :	47.4									
Dilution Factor :	1.0									
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	11800									
ANTIMONY	9.1	UJ								
ARSENIC	24.1									
BARIUM	91.2									
BERYLLIUM	0.080	U								
CADMIUM	3.6									
CALCIUM	49300									
CHROMIUM	92.0									
COBALT	14.9									
COPPER	126									
IRON	85300									
LEAD	537	J								
MAGNESIUM	18300									
MANGANESE	4800	J								
MERCURY	0.20									
NICKEL	61.8									
POTASSIUM	2680									
SELENIUM	2.2	J								
SILVER	3.4									
SODIUM	1360									
THALLIUM	8.3									
VANADIUM	36.3									
ZINC	1430									
CYANIDE										

QC EXCEPTION SUMMARY REPORT

CASE\SAS#: 28737 SITE: Wisconsin Steel MATRIX: SOIL WATER SAMPLE SPK: _____

DATA SET: MEE02B LAB: Sentinel CONC: low WATER SAMPLE DUP: _____

LAB QC # _____ REVIEWED BY: J. Ganz SOIL SAMPLE SPK: _____

DATE: January 4, 2001 SOIL SAMPLE DUP: _____

FORM #		FORM 3	FORM 3	FORM 3	FORM 3	FORM 3	FORM 4	FORM 5	FORM 6	FORM 7	FORM 7	FORM 9	FORM 9	FORM 6	FORM 5	FIELD	FIELD	FIELD	FIELD		
ELEMENT	HOLD TIME	INITIAL CALIB	CONTIN CALIB	CALIB BLANK	PREP WATER BLANK	PREP SOIL BLANK	ICS %R	SOIL SPIKE %R	SOIL DUP RPD	LCS AQ	LCS SOIL	SERIAL DILUTION AQUEOUS	SERIAL DILUTION SOIL	AQ DUP RPD	AQ SPIKE %R	BLANK	DUP RPD	BLANK	DUP RPD	GFAA DUP	GFAA ANALYT SPIKE
ALUMINUM																					
ANTIMONY								62.2													
ARSENIC																					
BARIUM																					
BERYLLIUM				0.21	~~0.2~~																
CADMIUM				0.10																	
CALCIUM																					
CHROMIUM																					
COBALT																					
COPPER																					
IRON																					
LEAD								39.0	38.8												
MAGNESIUM																					
MANGANESE								129.5													
MERCURY																					
NICKEL																					
POTASSIUM																					
SELENIUM								54.9													
SILVER																					
SODIUM																					
THALLIUM																					
TIN																					
VANADIUM																					
ZINC																					
CYANIDE																					

Be (+) (J): F, J
(UJ):

RSD > 20% Se: M

USEPA Contract Laboratory Program
Inorganic Traffic Report

Case No. 28737
DAS No.
R

Region: 05	Date Shipped: 11/14/00	Sampler (Signature)	
Project Code: TFA 102	Carrier Name: Fed Ex		
Account Code:	Airbill: 811215526755		
CERCLIS ID ILD000849737	Shipped to:	Relinquished By:	Date / Time / Received By:
Spill ID:	Sentinel Inc.		
Site Name/State: Vessel Slips (W/SW)/IL	2800 Bob Wallace Avenue	Relinquished By:	Date / Time / Received By:
Project Leader: Bruce Everetts	Suite L3		
Action:	Huntsville AL 35805	Relinquished By:	Date / Time / Received By:
	(205) 534-9800		
Sampling Co.: IEPA			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ Preservative	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC TYPE
MEE02B	Soil/Sediment / Lance Range	L/G	TM (21)	5-053784 (Ice Only) (1)	X201	11/13/2000 13:00	EE02B	--
MEE02C	Soil/Sediment / Lance Range	L/G	TM (21)	53787 (1)	X202	11/13/2000 13:30	EE02C	--
MEE02E	Soil/Sediment / Lance Range	L/G	TM (21)	5-78195 (1)	X203	11/13/2000 14:00	EE02E	--
MEE02F	Soil/Sediment / Lance Range	L/G	TM (21)	78197 (1)	X213	11/13/2000 14:15	EE02F	--
MEE02G	Soil/Sediment / Lance Range	L/G	TM (21)	78199 (1)	X214	11/13/2000 14:45	EE02G	--
MEE02H	Soil/Sediment / Lance Range	L/G	TM (21)	78201 (1)	X221	11/13/2000 15:00	EE02H	--
MEE02J	Soil/Sediment / Lance Range	L/G	TM (21)	5-135748 (1)	X222	11/14/2000 08:30	EE02J	--
MEE02K	Soil/Sediment / Lance Range	L/G	TM (21)	5-135761 (1)	X204	11/14/2000 09:00	EE02K	--
MEE02L	Soil/Sediment / Lance Range	L/G	TM (21)	5-135763 (1)	X205	11/14/2000 09:15	EE02L	--
MEE02M	Soil/Sediment / Lance Range	L/G	TM (21)	5-135765 (1)	X206	11/14/2000 09:30	EE02M	--
MEE02N	Soil/Sediment / Lance Range	L/G	TM (21)	5-135767 (1)	X207	11/14/2000 09:30	EE02N	--
MEE02P	Soil/Sediment / Lance Range	L/G	TM (21)	5-135769 (1)	X208	11/14/2000 09:45	EE02P	--
MEE02Q	Soil/Sediment / Lance Range	L/G	TM (21)	5-135771 (1)	X209	11/14/2000 10:00	EE02Q	--
MEE02R	Soil/Sediment / Lance Range	L/G	TM (21)	5-135773 (1)	X210	11/14/2000 10:25	EE02R	--
MEE02S	Soil/Sediment / Lance Range	L/G	TM (21)	5-135775 (1)	X211	11/14/2000 10:45	EE02S	--
MEE02T	Soil/Sediment / Lance Range	L/G	TM (21)	5-135777 (1)	X223	11/14/2000 11:00	EE02T	--

Shipment for Case Complete? Y/N	Sample(s) to be used for Laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number 20029 / ~~20031~~
Analysis Key: TM=CLP TAL Total Metals	Concentration: L = Low M = Low/Medium H = High	Type/Designate: Composite = C Grab = G	

Kimberly Hayes 11/15/00 0927 68-W-00-085 Intact Seals Temp: -0.5°C

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

$195.00

DEC 04 2000

SDG NARRATIVE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEEØ2B

SOW No.: ILM04.1

SAMPLE RECEIPT: Temperature Blank: PRESENT____ ABSENT X
If Absent, a non-invasive laser measurement is taken using a sample.
Cooler temperature(s) recorded via laser measurement were: -Ø.5°C
Refer to Record of Communication regarding mislabeled EPA Sample numbers for samples:

Refer to Record of Communication regarding misidentified tag numbers for samples:
KH 11/16/00 ~~MEE~~ MEEØ2C, MEEØ2E, MEEØ2F, MEEØ2G, MEEØ2H

Refer to Record of Communication regarding sample preservation anomalies for samples:

QC Specified: Yes____ No X If no, chose: MEEØ2B

ANALYSIS: The following analyte(s) were estimated due to possible matrix interferences:
None

DOCUMENT CONTROL: The following invalid defects resulted due to CCS program anomalies:
Initial Assessment: 1008 - SOW missing/invalid (Caused by ILM04.1 SOW)
Full Assessment: None

OTHER:

Signature:

Name & Title: Date: 11/27/00

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

SOW No.: ILM04.1

EPA SAMPLE NO.	Lab Sample ID.
MEE02B	35501S
MEE02BD	35501S2
MEE02BS	35501MS
MEE02C	35502S
MEE02E	35503S
MEE02F	35504S
MEE02G	35505S
MEE02H	35506S
MEE02J	35507S
MEE02K	35508S
MEE02L	35509S
MEE02M	35510S
MEE02N	35511S

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: Bakitsoke Title: QAOfa Date: 11/27/00

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEE02B

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35501S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 49.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5310			P
7440-36-0	Antimony	8.6	U	N	P
7440-38-2	Arsenic	5.1			P
7440-39-3	Barium	40.4	B		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	44200		*	P
7440-47-3	Chromium	11.6			P
7440-48-4	Cobalt	6.8	B		P
7440-50-8	Copper	17.4			P
7439-89-6	Iron	16100			P
7439-92-1	Lead	21.7		N*	P
7439-95-4	Magnesium	22100			P
7439-96-5	Manganese	526		N*	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.1			P
7440-09-7	Potassium	1340	B		P
7782-49-2	Selenium	1.4	B	N	P
7440-22-4	Silver	0.56	U		P
7440-23-5	Sodium	384	U		P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	13.9	B		P
7440-66-6	Zinc	86.2		*	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEE02C

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35502S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 82.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	5.2	U	N	P
7440-38-2	Arsenic	10.4			P
7440-39-3	Barium	47.2	B		P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	50700		*	P
7440-47-3	Chromium	22.4			P
7440-48-4	Cobalt	12.0	B		P
7440-50-8	Copper	43.1			P
7439-89-6	Iron	29700			P
7439-92-1	Lead	28.9		N*	P
7439-95-4	Magnesium	24500			P
7439-96-5	Manganese	558		N*	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	32.9			P
7440-09-7	Potassium	3480			P
7782-49-2	Selenium	0.48	U	N	P
7440-22-4	Silver	0.53	B		P
7440-23-5	Sodium	273	B		P
7440-28-0	Thallium	1.7	B		P
7440-62-2	Vanadium	23.8			P
7440-66-6	Zinc	86.3		*	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEE02E

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35503S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 81.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10100			P
7440-36-0	Antimony	5.3	U	N	P
7440-38-2	Arsenic	7.9			P
7440-39-3	Barium	49.0	B		P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	52500		*	P
7440-47-3	Chromium	17.5			P
7440-48-4	Cobalt	11.7	B		P
7440-50-8	Copper	26.8			P
7439-89-6	Iron	20900			P
7439-92-1	Lead	12.7		N*	P
7439-95-4	Magnesium	24800			P
7439-96-5	Manganese	370		N*	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	31.8			P
7440-09-7	Potassium	3300			P
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.34	B		P
7440-23-5	Sodium	235	U		P
7440-28-0	Thallium	0.91	U		P
7440-62-2	Vanadium	21.9			P
7440-66-6	Zinc	49.9		*	P
	Cyanide				NR

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEE02F

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35504S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 73.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7220			P
7440-36-0	Antimony	5.8	U	N	P
7440-38-2	Arsenic	11.9			P
7440-39-3	Barium	48.0	B		P
7440-41-7	Beryllium	0.05	B		P
7440-43-9	Cadmium	0.40	B		P
7440-70-2	Calcium	41100		*	P
7440-47-3	Chromium	17.6			P
7440-48-4	Cobalt	10	B		P
7440-50-8	Copper	34.4			P
7439-89-6	Iron	29700			P
7439-92-1	Lead	64.7		N*	P
7439-95-4	Magnesium	19100			P
7439-96-5	Manganese	692		N*	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	27.9			P
7440-09-7	Potassium	2130			P
7782-49-2	Selenium	0.59	B	N	P
7440-22-4	Silver	0.59	B		P
7440-23-5	Sodium	414	B		P
7440-28-0	Thallium	1.4	B		P
7440-62-2	Vanadium	18.2			P
7440-66-6	Zinc	143		*	P
	Cyanide				NR

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.

MEE02G

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35505S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 79.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100			P
7440-36-0	Antimony	5.4	U	N	P
7440-38-2	Arsenic	7.6			P
7440-39-3	Barium	81.8			P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	58500		*	P
7440-47-3	Chromium	20.1			P
7440-48-4	Cobalt	11.2	B		P
7440-50-8	Copper	21.9			P
7439-89-6	Iron	22000			P
7439-92-1	Lead	12.1		N*	P
7439-95-4	Magnesium	28300			P
7439-96-5	Manganese	440		N*	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	31.0			P
7440-09-7	Potassium	3740			P
7782-49-2	Selenium	0.51	U	N	P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	341	B		P
7440-28-0	Thallium	1.2	B		P
7440-62-2	Vanadium	24.8			P
7440-66-6	Zinc	49.8		*	P
	Cyanide				NR

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEE02H

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35506S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 70.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600			P
7440-36-0	Antimony	6.1	U	N	P
7440-38-2	Arsenic	10.2			P
7440-39-3	Barium	62.3			P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.62	B		P
7440-70-2	Calcium	53400		*	P
7440-47-3	Chromium	34.4			P
7440-48-4	Cobalt	11.4	B		P
7440-50-8	Copper	44.1			P
7439-89-6	Iron	40000			P
7439-92-1	Lead	171		N*	P
7439-95-4	Magnesium	23200			P
7439-96-5	Manganese	807		N*	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	36.9			P
7440-09-7	Potassium	3790			P
7782-49-2	Selenium	0.56	B	N	P
7440-22-4	Silver	0.96	B		P
7440-23-5	Sodium	548	B		P
7440-28-0	Thallium	1.6	B		P
7440-62-2	Vanadium	25.9			P
7440-66-6	Zinc	452		*	P
	Cyanide				NR

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.

MEE02J

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35507S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 50.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	8.4	U	N	P
7440-38-2	Arsenic	33.6			P
7440-39-3	Barium	90.3			P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	7.8			P
7440-70-2	Calcium	41000		*	P
7440-47-3	Chromium	135			P
7440-48-4	Cobalt	13.9	B		P
7440-50-8	Copper	145			P
7439-89-6	Iron	137000			P
7439-92-1	Lead	1500		N*	P
7439-95-4	Magnesium	12500			P
7439-96-5	Manganese	2120		N*	P
7439-97-6	Mercury	0.26			CV
7440-02-0	Nickel	82.6			P
7440-09-7	Potassium	1950			P
7782-49-2	Selenium	3.5		N	P
7440-22-4	Silver	5.5			P
7440-23-5	Sodium	2990			P
7440-28-0	Thallium	13.7			P
7440-62-2	Vanadium	37.1			P
7440-66-6	Zinc	4300		*	P
	Cyanide				NR

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

MEE02K

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35508S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 77.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900			P
7440-36-0	Antimony	5.4	U	N	P
7440-38-2	Arsenic	7.8			P
7440-39-3	Barium	56.1			P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	61000		*	P
7440-47-3	Chromium	19.6			P
7440-48-4	Cobalt	11.8	B		P
7440-50-8	Copper	25.3			P
7439-89-6	Iron	23400			P
7439-92-1	Lead	22.3		N*	P
7439-95-4	Magnesium	26000			P
7439-96-5	Manganese	552		N*	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	32.6			P
7440-09-7	Potassium	3260			P
7782-49-2	Selenium	0.51	U	N	P
7440-22-4	Silver	0.40	B		P
7440-23-5	Sodium	377	B		P
7440-28-0	Thallium	0.94	U		P
7440-62-2	Vanadium	23.1			P
7440-66-6	Zinc	68.2		*	P
	Cyanide				NR

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP
1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEE02L

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35509S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 50.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10300			P
7440-36-0	Antimony	8.4	U	N	P
7440-38-2	Arsenic	17.6			P
7440-39-3	Barium	69.7	B		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	1.7	B		P
7440-70-2	Calcium	53900		*	P
7440-47-3	Chromium	51.3			P
7440-48-4	Cobalt	13.3	B		P
7440-50-8	Copper	110			P
7439-89-6	Iron	59500			P
7439-92-1	Lead	256		N*	P
7439-95-4	Magnesium	21300			P
7439-96-5	Manganese	1800		N*	P
7439-97-6	Mercury	0.14	B		CV
7440-02-0	Nickel	41.2			P
7440-09-7	Potassium	2450			P
7782-49-2	Selenium	0.86	B	N	P
7440-22-4	Silver	1.9	B		P
7440-23-5	Sodium	989	B		P
7440-28-0	Thallium	4.9			P
7440-62-2	Vanadium	36.1			P
7440-66-6	Zinc	884		*	P
	Cyanide				NR

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.

MEE02M

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35510S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 48.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600			P
7440-36-0	Antimony	8.7	U	N	P
7440-38-2	Arsenic	25.2			P
7440-39-3	Barium	96.0			P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	3.8			P
7440-70-2	Calcium	50800		*	P
7440-47-3	Chromium	86.0			P
7440-48-4	Cobalt	15.3	B		P
7440-50-8	Copper	132			P
7439-89-6	Iron	85200			P
7439-92-1	Lead	529		N*	P
7439-95-4	Magnesium	18400			P
7439-96-5	Manganese	4450		N*	P
7439-97-6	Mercury	0.21			CV
7440-02-0	Nickel	60.8			P
7440-09-7	Potassium	2520			P
7782-49-2	Selenium	2.4		N	P
7440-22-4	Silver	3.2	B		P
7440-23-5	Sodium	1400	B		P
7440-28-0	Thallium	8.6			P
7440-62-2	Vanadium	35.6			P
7440-66-6	Zinc	1410		*	P
	Cyanide				NR

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.

MEE02N

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Matrix (soil/water): SOIL Lab Sample ID: 35511S

Level (low/med): LOW Date Received: 11/15/00

% Solids: 47.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11800			P
7440-36-0	Antimony	9.1	U	N	P
7440-38-2	Arsenic	24.1			P
7440-39-3	Barium	91.2			P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	3.6			P
7440-70-2	Calcium	49300		*	P
7440-47-3	Chromium	92.0			P
7440-48-4	Cobalt	14.9	B		P
7440-50-8	Copper	126			P
7439-89-6	Iron	85300			P
7439-92-1	Lead	537		N*	P
7439-95-4	Magnesium	18300			P
7439-96-5	Manganese	4800		N*	P
7439-97-6	Mercury	0.20	B		CV
7440-02-0	Nickel	61.8			P
7440-09-7	Potassium	2680			P
7782-49-2	Selenium	2.2		N	P
7440-22-4	Silver	3.4	B		P
7440-23-5	Sodium	1360	B		P
7440-28-0	Thallium	8.3			P
7440-62-2	Vanadium	36.3			P
7440-66-6	Zinc	1430		*	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

3

BLANKS

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

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	65.9	U	118.3	B	65.9	U	72.9	B	13.180	U	P
Antimony	21.5	U	21.5	U	21.5	U	21.5	U	4.300	U	P
Arsenic	1.6	B	1.6	U	1.6	U	1.6	U	0.320	U	P
Barium	3.9	U	3.9	U	3.9	U	3.9	U	0.780	U	P
Beryllium	0.2	B	0.2	~~B~~ U	0.2	U	0.2	~~B~~ U	0.040	U	P
Cadmium	0.5	B	0.4	U	0.4	U	0.6	B	0.080	U	P
Calcium	1768.1	U	1768.1	U	1768.1	U	1768.1	U	353.620	U	P
Chromium	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Cobalt	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Copper	1.4	U	1.4	U	1.4	U	1.4	U	0.280	U	P
Iron	31.7	U	31.7	U	31.7	U	31.7	U	6.340	U	P
Lead	2.6	B	1.9	U	1.9	U	1.9	U	0.380	U	P
Magnesium	70.0	U	94.7	B	70.0	U	70.0	U	14.000	U	P
Manganese	5.3	U	5.3	U	5.3	U	5.3	U	1.060	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.050	U	CV
Nickel	1.9	U	4.0	B	1.9	U	1.9	U	0.380	U	P
Potassium	32.0	U	32.0	U	32.0	U	32.0	U	6.400	U	P
Selenium	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Silver	1.4	U	1.4	U	1.4	U	1.4	U	0.280	U	P
Sodium	956.3	U	956.3	U	956.3	U	956.3	U	191.260	U	P
Thallium	3.7	U	3.7	U	3.7	U	3.7	U	0.740	U	P
Vanadium	1.7	U	1.7	U	1.7	U	1.7	U	0.340	U	P
Zinc	10.7	U	10.7	U	10.7	U	10.7	U	2.140	U	P
Cyanide											NR

U.S. EPA - CLP

3

BLANKS

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02E

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			74.5	B							P
Antimony			21.5	U							P
Arsenic			1.6	U							P
Barium			3.9	U							P
Beryllium			0.2	~~B~~ U							P
Cadmium			0.4	U							P
Calcium			1768.1	U							P
Chromium			1.0	U							P
Cobalt			2.0	U							P
Copper			1.4	U							P
Iron			31.7	U							P
Lead			1.9	U							P
Magnesium			70.0	U							P
Manganese			5.3	U							P
Mercury											NR
Nickel			1.9	U							P
Potassium			32.0	U							P
Selenium			2.0	U							P
Silver			1.4	U							P
Sodium			956.3	U							P
Thallium			3.7	U							P
Vanadium			1.7	U							P
Zinc			10.7	U							P
Cyanide											NR

U.S. EPA - CLP

3

BLANKS

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

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	1.9	U	1.9	U	1.9	U	1.9	U			P
Magnesium											NR
Manganese	5.3	U	5.3	U	5.3	U	5.3	U			P
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEE02BS

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

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

% Solids for Sample: 49.8

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	124.8193		8.6345	U	200.80	62.2	N	P
Arsenic	75-125	20.3614		5.1004		16.06	95.0		P
Barium	75-125	848.4337		40.4016	B	803.21	100.6		P
Beryllium	75-125	18.8755		0.0803	U	20.08	94.0		P
Cadmium	75-125	19.1968		0.1606	U	20.08	95.6		P
Calcium									NR
Chromium	75-125	88.0321		11.5663		80.32	95.2		P
Cobalt	75-125	200.6426		6.8273	B	200.80	96.5		P
Copper	75-125	114.2169		17.4297		100.40	96.4		P
Iron									NR
Lead	75-125	24.8193		21.6867		8.03	39.0	N	P
Magnesium									NR
Manganese	75-125	786.2249		526.1446		200.80	129.5	N	P
Mercury	75-125	1.0843		0.1004	U	1.00	108.4		CV
Nickel	75-125	207.4699		16.0643		200.80	95.3		P
Potassium									NR
Selenium	75-125	3.6546		1.4458	B	4.02	54.9	N	P
Silver	75-125	18.9558		0.5622	U	20.08	94.4		P
Sodium									NR
Thallium	75-125	17.8313		1.4859	U	20.08	88.8		P
Vanadium	75-125	205.8635		13.9357	B	200.80	95.6		P
Zinc	75-125	263.5341		86.1847		200.80	88.3		P
Cyanide									NR

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEE02BA

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

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		115.20		21.50	U	120.0	96.0		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead		159.80		54.00		108.1	97.9		P
Magnesium									NR
Manganese		3749.80		1310.10		2620.0	93.1		P
Mercury									NR
Nickel									NR
Potassium									NR
Selenium		10.80		3.60	B	10.0	72.0		P
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

MEE02BD

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

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

% Solids for Sample: 49.8 % Solids for Duplicate: 49.8

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5306.9880		6090.7229		13.8		P
Antimony		8.6345	U	8.6345	U			P
Arsenic	4.0	5.1004		5.5422		8.3		P
Barium		40.4016	B	44.9799	B	10.7		P
Beryllium		0.0803	U	0.0803	U			P
Cadmium		0.1606	U	0.1606	U			P
Calcium		44155.9438		54788.7149		21.5	*	P
Chromium	4.0	11.5663		15.0201		26.0		P
Cobalt		6.8273	B	7.5502	B	10.1		P
Copper	10.0	17.4297		20.8835		18.0		P
Iron		16143.2129		19416.0643		18.4		P
Lead		21.6867		32.1285		38.8	*	P
Magnesium		22088.9960		26704.5783		18.9		P
Manganese		526.1446		684.5783		26.2	*	P
Mercury		0.1004	U	0.1004	U			CV
Nickel	16.1	16.0643		18.4739		14.0		P
Potassium		1344.8996	B	1567.7108	B	15.3		P
Selenium		1.4458	B	0.8032	B	57.1		P
Silver		0.5622	U	0.5622	U			P
Sodium		384.0562	U	384.0562	U			P
Thallium		1.4859	U	1.4859	U			P
Vanadium		13.9357	B	16.7068	B	18.1		P
Zinc		86.1847		120.5622		33.3	*	P
Cyanide								NR

U.S. EPA - CLP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

ICP ID Number: P3 Date: 10/18/00

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	65.9	P
Antimony	206.80		60	21.5	P
Arsenic	189.00		10	1.6	P
Barium	493.40		200	3.9	P
Beryllium	313.00		5	0.2	P
Cadmium	226.50		5	0.4	P
Calcium	317.90		5000	1768.1	P
Chromium	267.70		10	1.0	P
Cobalt	228.60		50	2.0	P
Copper	324.70		25	1.4	P
Iron	271.40		100	31.7	P
Lead	220.30		3	1.9	P
Magnesium	279.00		5000	70.0	P
Manganese	257.60		15	5.3	P
Mercury			0.2		NR
Nickel.	231.60		40	1.9	P
Potassium	766.40		5000	32.0	P
Selenium	196.00		5	2.0	P
Silver	328.00		10	1.4	P
Sodium	330.20		5000	956.3	P
Thallium	190.80		10	3.7	P
Vanadium	292.40		50	1.7	P
Zinc	206.20		20	10.7	P
Cyanide			10		NR

Comments:

P3: 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.: 28737 SAS No.: SDG No.: MEE02B

ICP ID Number: Date: 10/15/00

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

13
PREPARATION LOG

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	11/16/00	1.00	200
MEE02B	11/16/00	1.00	200
MEE02BD	11/16/00	1.00	200
MEE02BS	11/16/00	1.00	200
MEE02C	11/16/00	1.00	200
MEE02E	11/16/00	1.00	200
MEE02F	11/16/00	1.01	200
MEE02G	11/16/00	1.00	200
MEE02H	11/16/00	1.01	200
MEE02J	11/16/00	1.01	200
MEE02K	11/16/00	1.02	200
MEE02L	11/16/00	1.01	200
MEE02M	11/16/00	1.02	200
MEE02N	11/16/00	1.00	200
PBS	11/16/00	1.00	200

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: Sentinel, Inc. Contract: 68-W-00-085

Lab Code: SENTIN Case No.: 28737 SAS No.: SDG No.: MEE02B

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	11/16/00	0.20	100
MEE02B	11/16/00	0.20	100
MEE02BD	11/16/00	0.20	100
MEE02BS	11/16/00	0.20	100
MEE02C	11/16/00	0.21	100
MEE02E	11/16/00	0.21	100
MEE02F	11/16/00	0.21	100
MEE02G	11/16/00	0.20	100
MEE02H	11/16/00	0.21	100
MEE02J	11/16/00	0.21	100
MEE02K	11/16/00	0.21	100
MEE02L	11/16/00	0.21	100
MEE02M	11/16/00	0.21	100
MEE02N	11/16/00	0.20	100
PBS	11/16/00	0.20	100

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: MEE02B CERCLIS No: ILD000849737

Case No: 28737 Site Name/Location: Wisconsin Steel

Contractor or EPA Lab: Sentinel Data User: IEPA

No. of Samples: 11 Date Sampled or Date Received: 12/04/00

Have Chain-of-Custody records been received? Yes X No ____
Have traffic reports or packing lists been received? Yes X 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 X No ____
No of samples claimed: 11 No. of samples received: 11

Received by: Michelle Davis/ESAT Date: 12/04/00

Received by LSSS: Michelle Davis/ESAT Date: 12/04/00

Review started: 1-4-2001 Reviewer Signature: J Gray

Total time spent on review: 7.5 Date review completed: 1-5-2001

Copied by: Ena M. Dixon/ESAT Date: 1-8-01

Mailed to user by: Ena M. Dixon/ESAT Date: 1-8-01

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: ____