N00109.AR.000649
NWS YORKTOWN
5090.3a

FINAL REPORT FOR SOIL AND DEBRIS REMOVAL ACTION AT SITE SCREENING AREAS 1, 2 AND 5 (SSA 1, SSA 2, SSA 5) VOLUME 2 OF 3 APPENDICES D, E, G, H, I NWS YORKTOWN VA

1/2/1996

OHM REMEDIATION SERVICES

Appendix D - Reviewed and Corrected Tentatively Identified Compounds

0006
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0001/0003
RINSATE BLANK

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: — Case No.: — SAS No.: — SDG No.: D08A/B

Matrix: (soil/water) WATER Lab Sample ID: JN3598V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C9765

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: not dec. Date Analyzed: 10/28/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1120-62-3	Cyclopentene, 3-methyl-	9.53	5	JN
2. 611-14-3	Benzene, 1-ethyl-2-methyl-	20.69	10	JN
3. 526-73-8	Benzene, 1,2,3-trimethyl-	21.60	7	JN

EPA SAMPLE NO.

A01SS-2A/B
RINSATE BLANK #2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: JN4457V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0105

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. _____ Date Analyzed: 11/14/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	7.49	6	JN

EPA SAMPLE NO.

A01SS-3A/D
RINSATE BLANK #3

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) WATER Lab Sample ID: JN4458V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0104

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. _____ Date Analyzed: 11/14/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	7.48	6	JN
~~2. 110-54-3~~	~~Hexane~~	~~7.48~~	~~6~~	~~JN~~

000400
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RB-04A/C/D
RINSATE BLANK #1

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1V4017

Matrix: (soil/water) WATER Lab Sample ID: JN4634V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0106

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. _____ Date Analyzed: 11/14/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RB-01A/D
RINSATE BLANK #7

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1V4036

Matrix: (soil/water) WATER Lab Sample ID: JN5027V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0211

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. _____ Date Analyzed: 11/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

R-8
RINSATE BLANK #8

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1V4098

Matrix: (soil/water) WATER Lab Sample ID: JN5857V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0610

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. _____ Date Analyzed: 12/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A02SS-RIN9
RINSATE BLANK #9

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1V4108

Matrix: (soil/water) WATER Lab Sample ID: JN6157V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0730

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: not dec. _____ Date Analyzed: 12/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

FB01A/B
FIELD BLANK

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1V4036

Matrix: (soil/water) WATER Lab Sample ID: JN5026V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0210

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. _____ Date Analyzed: 11/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

TB-01

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-97

Matrix: (soil/water) WATER Lab Sample ID: JN5814V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0728

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: not dec. _____ Date Analyzed: 12/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

TB-2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1V4098

Matrix: (soil/water) WATER Lab Sample ID: JN5858V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0611

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. _____ Date Analyzed: 12/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB-3
(SAMPLED 12/8/94)

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1V4098

Matrix: (soil/water) WATER Lab Sample ID: JN6038V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0623

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. _____ Date Analyzed: 12/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

000423
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB-3
(Sampled 12/9/94)

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1V4108

Matrix: (soil/water) WATER Lab Sample ID: JN6158V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0733

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: not dec. _____ Date Analyzed: 12/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

TB4

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1V4098

Matrix: (soil/water) WATER Lab Sample ID: JN6245V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0628

Level: (low/med) LOW Date Received: 12/13/94

% Moisture: not dec. _____ Date Analyzed: 12/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

TB-5

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1V4108

Matrix: (soil/water) WATER Lab Sample ID: JN6287V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0734

Level: (low/med) LOW Date Received: 12/15/94

% Moisture: not dec. _____ Date Analyzed: 12/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: 120894TB LAB WATER

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15639N 16144N SAS No.: _____ SDG No.: MO155-97

Matrix: (soil/water) WATER Lab Sample ID: JN6014V

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C0752

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. _____ Date Analyzed: 12/23/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0008A/B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: — Case No.: — SAS No.: — SDG No.: 0008A/B

Matrix: (soil/water) SOIL Lab Sample ID: JN3593V

Sample wt/vol: 5.28 (g/mL) G Lab File ID: C9771

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: not dec. 20 Date Analyzed: 10/28/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: — (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	.alpha.-Pinene	19.62	40	JN

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0009A/B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NEESA

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A/B

Matrix: (soil/water) SOIL Lab Sample ID: JN3594V

Sample wt/vol: 5.24 (g/mL) G Lab File ID: C9772

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: not dec. 13 Date Analyzed: 10/28/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

0010A/B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NE83A

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A/B

Matrix: (soil/water) SOIL Lab Sample ID: JN3595V

Sample wt/vol: 5.01 (g/mL) G Lab File ID: C9773

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: not dec. 26 Date Analyzed: 10/28/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0011A/B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NESA

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A\B

Matrix: (soil/water) SOIL Lab Sample ID: JN3596V

Sample wt/vol: 5.34 (g/mL) G Lab File ID: C9774

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: not dec. 5 Date Analyzed: 10/29/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

0012A/B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: N0E5A

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A/B

Matrix: (soil/water) SOIL Lab Sample ID: JN3597V

Sample wt/vol: 1.16 (g/mL) G Lab File ID: C9780

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: not dec. 29 Date Analyzed: 10/30/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 16000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-06

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4333V

Sample wt/vol: 5.18 (g/mL) G Lab File ID: C0023

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 17 Date Analyzed: 11/10/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-06B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4040

Matrix: (soil/water) SOIL Lab Sample ID: JN5016V

Sample wt/vol: 5.18 (g/mL) G Lab File ID: A4766

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. 30 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	6.02	39	JN ~~B~~
			4/28/95	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-07

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15329N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4334V

Sample wt/vol: ~~1.13~~ MK 1.27 (g/mL) G Lab File ID: C0036

Level: (low/med) LOW Date Received: 11/04/94

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

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ ~~4.40~~ MK 3.9

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

EPA SAMPLE NO.

A01SS-08

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4335V

Sample wt/vol: 5.10 (g/mL) G Lab File ID: C0025

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 18 Date Analyzed: 11/10/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

EPA SAMPLE NO.

A01SS-09

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 156291N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4336V

Sample wt/vol: ~~1.52~~ 1.15 (g/mL) G Lab File ID: C0037

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 24 Date Analyzed: 11/11/19

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0 3.33~~ 4.3

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 110-54-3~~	~~Hexane~~	~~7.45~~	~~22~~	~~JN~~ B

4/28/95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: A01SS-10

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155

Matrix: (soil/water) SOIL Lab Sample ID: JN4337V

Sample wt/vol: ~~1.63~~ MK 1.35 (g/mL) G Lab File ID: C0038

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 17 Date Analyzed: 11/11/19

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ ~~3.1~~ MK 3.7

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

EPA SAMPLE NO.

A01SS-11

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4338V

Sample wt/vol: 5.41 (g/mL) G Lab File ID: C0028

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 15 Date Analyzed: 11/11/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

EPA SAMPLE NO.

A01SS-12

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629A SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4339V

Sample wt/vol: 1.03 (g/mL) G Lab File ID: C0039

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 20 Date Analyzed: 11/11/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 4.8

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-13

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4340V

Sample wt/vol: 1.13 (g/mL) G Lab File ID: C0040

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 20 Date Analyzed: 11/11/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 4.4 JH

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-14

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15829IX SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4341V

Sample wt/vol: 5.64 (g/mL) G Lab File ID: C0031

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 5 Date Analyzed: 11/11/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.66~~	~~16~~	~~JN~~ B
~~2. 110-54-3~~	~~Hexane~~	~~7.48~~	~~4~~	~~JN~~ B
3. 111-84-2	Nonane	18.04	4	JN
4.	Unk hydrocarbon	19.36	3	J
5.	Unk substituted aromatic	20.66	3	J
6. 124-18-5	Decane	20.88	14	JN
7. 4110-44-5	Octane, 3,3-dimethyl-	21.47	3	JN
8.	Unk substituted aromatic	21.56	6	J
9.	Unk substituted aromatic	22.95	3	J
10.	Unk substituted aromatic	23.20	5	J

B 4/28/95

EPA SAMPLE NO.

A01SS-15

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4433V

Sample wt/vol: 5.11 (g/mL) G Lab File ID: C0076

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 13 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.68	330	JN ✓

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-16

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4434V

Sample wt/vol: 5.11 (g/mL) G Lab File ID: C0077

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 8 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.69	160	JN

EPA SAMPLE NO.

A01SS-16B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4040

Matrix: (soil/water) SOIL Lab Sample ID: JN5017V

Sample wt/vol: 5.11 (g/mL) G Lab File ID: A4767

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. 18 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-17

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4435V

Sample wt/vol: 5.03 (g/mL) G Lab File ID: C0078

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 19 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.70	710	JN ✓

EPA SAMPLE NO.

A01SS-17B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4040

Matrix: (soil/water) SOIL Lab Sample ID: JN5018V

Sample wt/vol: 5.09 (g/mL) G Lab File ID: A4768

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. 24 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 110-54-3~~	Hexane	9.04	8	JN B

4/28/95

EPA SAMPLE NO.

A01SS-18

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4436V

Sample wt/vol: 5.22 (g/mL) G Lab File ID: C0079

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 31 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.69	480	JN ✓

EPA SAMPLE NO.

A01SS-18B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN5853V

Sample wt/vol: 5.05 (g/mL) G Lab File ID: C0612

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. 18 Date Analyzed: 12/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.77~~	~~28~~	~~JN~~ B
			(KA) 4/28/95	

EPA SAMPLE NO.

A01SS-19

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4446V

Sample wt/vol: 5.15 (g/mL) G Lab File ID: A4696

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 10 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-20

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15829N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4342V

Sample wt/vol: 1.08 (g/mL) G Lab File ID: C0065

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 10 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 4.6 JH

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

EPA SAMPLE NO.

A01SS-21

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4343V

Sample wt/vol: 1.16 (g/mL) G Lab File ID: C0066

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 11 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 4.3 jto

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

EPA SAMPLE NO.

A01SS-22

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15379N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4344V

Sample wt/vol: ~~6.29~~ 5.13 (g/mL) G Lab File ID: C0043

Level: (low/med) LOW Date Received: 11/04/94

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

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.66	120	JN
2. 79-20-9	Acetic acid, methyl ester	6.32	2	JN
~~3. 110-54-3~~	~~Hexane~~	~~7.46~~	~~5~~	~~JN~~ B
4. 80-56-8	.alpha.-Pinene	19.55	3	JN
5. 79-92-5	Camphene	20.14	6	JN

(18) 4/28/95

EPA SAMPLE NO.

A01SS-23

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A015-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4345V

Sample wt/vol: 1.11 (g/mL) G Lab File ID: C0067

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 13 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0454

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

000128
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-24

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 1562914 SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4346V

Sample wt/vol: ~~5.48~~ 5.18 (g/mL) G Lab File ID: C0045

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 5 Date Analyzed: 11/11/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-25

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15829N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4347V

Sample wt/vol: 1.05 (g/mL) G Lab File ID: C0068

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 29 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 4.8 J/A

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

EPA SAMPLE NO.

A01SS-26

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4348V

Sample wt/vol: 5.06 (g/mL) G Lab File ID: C0047

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 6 Date Analyzed: 11/11/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-26B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN5854V

Sample wt/vol: 5.62 (g/mL) G Lab File ID: C0613

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. 17 Date Analyzed: 12/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2 trichloro-1,2,~~	~~5.78~~	~~12~~	~~JN~~ B
2.	Unk hydrocarbon	23.18	5	J

4/28/95

EPA SAMPLE NO.

A01SS-27

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 13629IV SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4349V

Sample wt/vol: 5.26 (g/mL) G Lab File ID: C0048

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 9 Date Analyzed: 11/11/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-28

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15829N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4350V

Sample wt/vol: 5.16 (g/mL) G Lab File ID: C0049

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 7 Date Analyzed: 11/11/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

000155
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-29

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15829N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4351V

Sample wt/vol: ~~1.29~~ 1.05 (g/mL) G Lab File ID: C0069

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 19 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ ~~3.9~~ 4.8

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-30

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15829N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4352V

Sample wt/vol: 1.05 (g/mL) G Lab File ID: C0070

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 15 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 4.88

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-31

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4353V

Sample wt/vol: 5.80 (g/mL) G Lab File ID: C0074

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 12 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.68	220	JN ✓
2. ~~110-54-3~~	~~Hexane~~	~~7.47~~	~~5~~	~~JN~~ B
3.	unknown	20.44	3	J
4.	unknown	20.71	1	J
5.	unknown	20.89	3	J
6.	Unk hydrocarbon	21.91	7	J

(LG) 4/28/95

EPA SAMPLE NO.

A01SS-32

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A015

Matrix: (soil/water) SOIL Lab Sample ID: JN4354V

Sample wt/vol: 1.29 (g/mL) G Lab File ID: C0089

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: not dec. 15 Date Analyzed: 11/14/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 3.9 JA

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.70	560	JN

EPA SAMPLE NO.

A01SS-33

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4437V

Sample wt/vol: 5.15 (g/mL) G Lab File ID: C0080

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 2 Date Analyzed: 11/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.68	200	JN
~~2. 110-54-3~~	~~Hexane~~	~~7.47~~	~~6~~	~~JN~~ B

lg 4/28/95

EPA SAMPLE NO.

A01SS-33B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4040

Matrix: (soil/water) SOIL Lab Sample ID: JN5019V

Sample wt/vol: 5.11 (g/mL) G Lab File ID: A4769

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. 10 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~6.11~~	~~68~~	~~JN~~ B
			(B) 4/25/95	

EPA SAMPLE NO.

A01SS-34

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4438V

Sample wt/vol: 5.25 (g/mL) G Lab File ID: C0081

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 12 Date Analyzed: 11/14/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.67	160	JN

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-35

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4439V

Sample wt/vol: 5.25 (g/mL) G Lab File ID: C0082

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 10 Date Analyzed: 11/14/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.69	240	JN

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-36

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4440V

Sample wt/vol: 5.17 (g/mL) G Lab File ID: C0142

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 16 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.67	170	JN ✓

EPA SAMPLE NO.

A01SS-37

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4441V

Sample wt/vol: 5.33 (g/mL) G Lab File ID: C0184

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 10 Date Analyzed: 11/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.69~~	~~56~~	~~JN~~ B
2. ~~110-54-3~~	~~Hexane~~	~~7.48~~	~~5~~	~~JN~~ B
3. 634-93-5	Benzenamine, 2,4,6-trichloro	22.92	13	JN

4/28/95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: A01SS-38

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4442V

Sample wt/vol: 5.17 (g/mL) G Lab File ID: C0185

Level: (low/med) LOW Date Received: 11/05/94

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

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.68	230	JN ✓
~~2. 110-54-3~~	~~Hexane~~	~~7.47~~	~~6~~	~~JN~~ B

(B) 4/28/95

EPA SAMPLE NO.

A01SS-39

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4443V

Sample wt/vol: 5.19 (g/mL) G Lab File ID: C0186

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 15 Date Analyzed: 11/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.68	100	JN
~~2. 110-54-3~~	~~Hexane~~	~~7.49~~	~~6~~	~~JN~~ B

4/29/95

EPA SAMPLE NO.

A01SS-40

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4444V

Sample wt/vol: 5.36 (g/mL) G Lab File ID: A4694

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 14 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-41

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4447V

Sample wt/vol: 5.09 (g/mL) G Lab File ID: A4697

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 24 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~6.05~~	~~8~~	~~JN~~ B
2. 80-56-8	.alpha.-Pinene	25.97	23	JN
3. 79-92-5	Camphene	26.72	35	JN
4. 99-83-2	.alpha.-Phellandrene	28.87	20	JN
5. 99-86-5	1,3-Cyclohexadiene, 1-methyl	29.19	5	JN
6. 5989-54-8	Cyclohexene, 1-methyl-4-(1-m	29.55	11	JN
7. 586-62-9	Cyclohexene, 1-methyl-4-(1-m	31.05	7	JN

(B) 4/29/95

000182
EPA SAMPLE NO.

A01SS-42

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4448V

Sample wt/vol: 5.07 (g/mL) G Lab File ID: A4698

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 40 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~6.04~~	~~67~~	~~JN~~ B
2.	Unk hydrocarbon	8.96	5	J

Lg 4/28/95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-42B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4040

Matrix: (soil/water) SOIL Lab Sample ID: JN5022V

Sample wt/vol: 5.22 (g/mL) G Lab File ID: A4771

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. 31 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~110-54-3~~	~~Hexane~~	~~9.04~~	~~7~~	JN B
2. 475-20-7	1,4-Methanoazulene, decahydr	30.43	18	JN
3.	unknown	31.71	6	J

(B) 4/28/95

EPA SAMPLE NO.

A01SS-43

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4449V

Sample wt/vol: 5.26 (g/mL) G Lab File ID: A4699

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 29 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-44

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4450V

Sample wt/vol: 5.09 (g/mL) G Lab File ID: A4700

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 13 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓
1. 80-56-8	.alpha.-Pinene	25.95	12	JN
2. 79-92-5	Camphene	26.70	8	JN
3. 13466-78-9	3-Carene	28.86	7	JN

EPA SAMPLE NO.

A01SS-45

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4451V

Sample wt/vol: 5.08 (g/mL) G Lab File ID: A4701

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 29 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

EPA SAMPLE NO.

A01SS-46

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4452V

Sample wt/vol: 5.02 (g/mL) G Lab File ID: A4702

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 15 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unk hydrocarbon	8.99	5	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-47

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4453V

Sample wt/vol: 5.10 (g/mL) G Lab File ID: A4703

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 18 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-49

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4617V

Sample wt/vol: 5.23 (g/mL) G Lab File ID: C0153

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 6 Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.69~~	~~58~~	~~JN~~ B

4/28/95

EPA SAMPLE NO.

A01SS-50

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4618V

Sample wt/vol: 5.20 (g/mL) G Lab File ID: C0156

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 11 Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.67~~	~~46~~	~~JN~~ B
			4/28/95	

EPA SAMPLE NO.

A01SS-51

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4619V

Sample wt/vol: 5.04 (g/mL) G Lab File ID: C0175

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 8 Date Analyzed: 11/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-52

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4620V

Sample wt/vol: 5.17 (g/mL) G Lab File ID: C0176

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 22 Date Analyzed: 11/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2 trichloro 1,2,~~	~~5.68~~	~~14~~	~~JN~~ • B
2. 76-22-2	Camphor	18.41	8	JN

(B) 4/28/95

EPA SAMPLE NO.

A01SS-53

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4621V

Sample wt/vol: 5.07 (g/mL) G Lab File ID: C0177

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 13 Date Analyzed: 11/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	.alpha.-Pinene	19.58	12	JN
2. 471-84-1	Bicyclo[2.2.1]heptane, 7,7-d	20.08	21	JN
3. 127-91-3	.beta.-Pinene	20.95	19	JN

EPA SAMPLE NO.

A01SS-53B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4040

Matrix: (soil/water) SOIL Lab Sample ID: JN5023V

Sample wt/vol: 5.09 (g/mL) G Lab File ID: A4772

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. 16 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-54

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4622V

Sample wt/vol: 5.17 (g/mL) G Lab File ID: C0160

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 18 Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.68	140	JN ✓
2. 124-18-5	Decane	20.88	6	JN

EPA SAMPLE NO.

A01SS-54B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4040

Matrix: (soil/water) SOIL Lab Sample ID: JN5024V

Sample wt/vol: 5.16 (g/mL) G Lab File ID: A4773

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. 19 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-77

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4454V

Sample wt/vol: 4.99 (g/mL) G Lab File ID: A4704

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 15 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-78

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4455V

Sample wt/vol: 5.14 (g/mL) G Lab File ID: A4705

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 34 Date Analyzed: 11/16/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~6.02~~	~~48~~	~~JN~~ B

4/28/95

EPA SAMPLE NO.

A01SS-79

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4445V

Sample wt/vol: 5.14 (g/mL) G Lab File ID: A4695

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 11 Date Analyzed: 11/15/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-80

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-1

Matrix: (soil/water) SOIL Lab Sample ID: JN4456V

Sample wt/vol: 5.21 (g/mL) G Lab File ID: A4706

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: not dec. 24 Date Analyzed: 11/16/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-86

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4630V

Sample wt/vol: 5.08 (g/mL) G Lab File ID: C0182

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 10 Date Analyzed: 11/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

000150
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-95

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4040

Matrix: (soil/water) SOIL Lab Sample ID: JN5020V

Sample wt/vol: 5.17 (g/mL) G Lab File ID: A4770

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. 19 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1 ~~110-54-3~~	~~Hexane~~	~~9.04~~	~~14~~	JN B
			(B) 4/28/95	

EPA SAMPLE NO.

A01SS-96B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4040

Matrix: (soil/water) SOIL Lab Sample ID: JN5025V

Sample wt/vol: 5.10 (g/mL) G Lab File ID: A4774

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: not dec. 24 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-97

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-97

Matrix: (soil/water) SOIL Lab Sample ID: JN5809V

Sample wt/vol: 5.16 (g/mL) G Lab File ID: C0525

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: not dec. 5 Date Analyzed: 12/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-98

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-97

Matrix: (soil/water) SOIL Lab Sample ID: JN5810V

Sample wt/vol: 5.13 (g/mL) G Lab File ID: C0526

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: not dec. 7 Date Analyzed: 12/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	Ethane, 1,1,2-trichloro-1,2,	5.78	17	~~JN~~ B
			(19) 4/28/95	

EPA SAMPLE NO.

A01SS-99

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-97

Matrix: (soil/water) SOIL Lab Sample ID: JN5811V

Sample wt/vol: 5.18 (g/mL) G Lab File ID: C0527

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: not dec. 12 Date Analyzed: 12/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.77~~	~~19~~ (19) 4/28/95	~~JN~~ B

EPA SAMPLE NO.

A01SS-100

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-97

Matrix: (soil/water) SOIL Lab Sample ID: JN5812V

Sample wt/vol: 5.13 (g/mL) G Lab File ID: C0528

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: not dec. 13 Date Analyzed: 12/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	Ethane, 1,1,2-trichloro-1,2,	5.77	~~22~~	~~JN~~ B

(LB) 4/28/95

EPA SAMPLE NO.

A01SS-101

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-97

Matrix: (soil/water) SOIL Lab Sample ID: JN5813V

Sample wt/vol: 5.15 (g/mL) G Lab File ID: C0534

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: not dec. 26 Date Analyzed: 12/13/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-103A

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN5855V

Sample wt/vol: 5.20 (g/mL) G Lab File ID: C0614

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. 10 Date Analyzed: 12/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.78~~	~~24~~	~~JN~~ B

(B) 4/28/95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AO1SS-104

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN6035V

Sample wt/vol: 5.04 (g/mL) G Lab File ID: C0617

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. 28 Date Analyzed: 12/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.78	290	JN
~~2. 110-54-3~~	~~Hexane~~	~~7.60~~	~~13~~	~~JN~~ B

(B) 4/28/95

EPA SAMPLE NO.

AO1SS-105

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN6036V

Sample wt/vol: 5.21 (g/mL) G Lab File ID: C0645

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. 31 Date Analyzed: 12/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.76	240	JN
~~2. 110-54-3~~	~~Hexane~~	~~7.58~~	~~6~~	~~JN~~ B
3. 80-56-8	.alpha.-Pinene	19.69	6	JN

(16) 4/28/95

EPA SAMPLE NO.

AO1SS-106

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN6037V

Sample wt/vol: 5.10 (g/mL) G Lab File ID: C0646

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: not dec. 24 Date Analyzed: 12/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.77	950	JN
2. 110-54-3	Hexane	7.58	46	JN
3. 96-37-7	Cyclopentane, methyl-	8.69	7	JN
~~4.~~	~~unknown~~	~~10.40~~	~~33~~	~~J~~

EPA SAMPLE NO.

A01SS-109

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6243V

Sample wt/vol: 5.35 (g/mL) G Lab File ID: C0697

Level: (low/med) LOW Date Received: 12/13/94

% Moisture: not dec. 6 Date Analyzed: 12/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	20.87	7	J
2. 634-93-5	Benzenamine, 2,4,6-trichloro	23.07	14	JN

EPA SAMPLE NO.

A01SS-110

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6244V

Sample wt/vol: 5.08 (g/mL) G Lab File ID: C0698

Level: (low/med) LOW Date Received: 12/13/94

% Moisture: not dec. 21 Date Analyzed: 12/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓
1.	unknown	20.85	7	J
2.	unknown	20.89	8	J

EPA SAMPLE NO.

A01SS-111

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6259V

Sample wt/vol: 5.08 (g/mL) G Lab File ID: C0707

Level: (low/med) LOW Date Received: 12/14/94

% Moisture: not dec. 10 Date Analyzed: 12/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-112

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6260V

Sample wt/vol: 5.06 (g/mL) G Lab File ID: C0948

Level: (low/med) LOW Date Received: 12/14/94

% Moisture: not dec. 10 Date Analyzed: 01/03/95

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	21.76	5	J
2.	unknown	22.14	11	J
3.	unknown	22.93	6	J
4.	unknown	23.68	10	J

EPA SAMPLE NO.

A01SS-113

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6286V

Sample wt/vol: 4.97 (g/mL) G Lab File ID: C0709

Level: (low/med) LOW Date Received: 12/15/94

% Moisture: not dec. 15 Date Analyzed: 12/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76 13 1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.78~~	~~11~~	~~JN~~ B

4/28/95

EPA SAMPLE NO.

A02SS-67

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4798V

Sample wt/vol: 5.27 (g/mL) G Lab File ID: C0204

Level: (low/med) LOW Date Received: 11/11/94

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

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.67	110	JN
~~2. 110-54-3~~	~~Hexane~~	~~7.48~~	~~16~~	~~JN~~ B

CB 4/28/95

EPA SAMPLE NO.

A02SS-68

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4799V

Sample wt/vol: 5.04 (g/mL) G Lab File ID: C0205

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 9 Date Analyzed: 11/19/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.68	140	JN
~~2. 110-54-3~~	~~Hexane~~	~~7.48~~	~~21~~	~~JN~~

4/25/95

EPA SAMPLE NO.

A02SS-69

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4800V

Sample wt/vol: 5.02 (g/mL) G Lab File ID: A4739

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 8 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.01	37	JN

EPA SAMPLE NO.

A02SS-70

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4801V

Sample wt/vol: 5.09 (g/mL) G Lab File ID: A4740

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 8 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	6.09	85	JN ✓

EPA SAMPLE NO.

A02SS-72

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4803V

Sample wt/vol: 5.24 (g/mL) G Lab File ID: A4742

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 10 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓
1. 110-54-3	Hexane	9.01	79	JN
2. 96-37-7	Cyclopentane, methyl-	10.83	21	JN
3. 80-56-8	.alpha.-Pinene	25.98	7	JN
4. 470-82-6	Eucalyptol	29.95	8	JN
76-13-1	Ethane, 1,1,2-Trichloro,1,2,2	6.06	360	JN

EPA SAMPLE NO.

A02SS-73

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4804V

Sample wt/vol: 5.22 (g/mL) G Lab File ID: A4743

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 10 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A02SS-74

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4805V

Sample wt/vol: 5.14 (g/mL) G Lab File ID: A4744

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 5 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	6.06	390	JN
2. 110-54-3	Hexane	9.01	110	JN

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A02SS-74D

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6152V

Sample wt/vol: 5.31 (g/mL) G Lab File ID: C0691

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: not dec. 17 Date Analyzed: 12/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	.alpha.-Pinene	19.69	19	JN
2. 127-91-3	.beta.-Pinene	21.07	25	JN
3. 13466-78-9	3-Carene	21.75	13	JN
4.	unknown	22.02	6	J
5. 138-86-3	Limonene	22.22	16	JN
6. 28634-89-1	Bicyclo[3.1.0]hex-2-ene, 4-m	22.39	5	JN
7. 470-82-6	Eucalyptol	22.54	15	JN

000258
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-75

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4806V

Sample wt/vol: 5.20 (g/mL) G Lab File ID: A4748

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 6 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1, 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~6.05~~	~~81~~	~~JN~~ B

ug 4/28/95

EPA SAMPLE NO.

A02SS-76

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4807V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: A4749

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 12 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	6.08	130	JN
2. 110-54-3	Hexane	9.04	57	JN

EPA SAMPLE NO.

A02SS-81

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4808V

Sample wt/vol: 5.02 (g/mL) G Lab File ID: A4750

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 8 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-54-3	Hexane	9.04	49	JN
2. 96-37-7	Cyclopentane, methyl-	10.87	11	JN
76-13-1	Ethane, 1,1,2-Trichloro-1,2,2	6.10	170	JN

EPA SAMPLE NO.

A02SS-82

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4811V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: A4753

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 12 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~6.09~~	~~69~~	~~JN~~ B
			4/25/95	

EPA SAMPLE NO.

A02SS-83

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4812V

Sample wt/vol: 5.11 (g/mL) G Lab File ID: A4754

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 16 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 110-54-3~~	Hexane	9.05	13	JN B
			(LG) 4/28/95	

EPA SAMPLE NO.

A02SS-83B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6153V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0692

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: not dec. 10 Date Analyzed: 12/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	.alpha.-Pinene	19.69	7	JN
2.	unknown	21.06	9	J
3. 0-00-0	1-Isopropyl-2-methoxy-4-meth	21.81	5	JN
4.	unknown	22.90	5	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A02SS-84

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4813V

Sample wt/vol: 5.04 (g/mL) G Lab File ID: A4755

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 16 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A02SS-87

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4809V

Sample wt/vol: 5.03 (g/mL) G Lab File ID: A4751

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 18 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 110-54-3~~	~~Hexane~~	~~9.04~~	~~10~~ (B) 4/25/95	~~JN~~ B

EPA SAMPLE NO.

A02SS-88

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4810V

Sample wt/vol: 5.02 (g/mL) G Lab File ID: A4752

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 10 Date Analyzed: 11/21/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 110-54-3~~	~~Hexane~~	~~9.04~~	~~27~~	~~JN~~ B

CG 4/28/95

000359
EPA SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-89

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4814V

Sample wt/vol: 5.05 (g/mL) G Lab File ID: A4756

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 13 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	.alpha.-Pinene	26.02	73	JN

EPA SAMPLE NO.

A02SS-91

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4815V

Sample wt/vol: 5.04 (g/mL) G Lab File ID: A4757

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 12 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A02SS-92

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4816V

Sample wt/vol: 4.99 (g/mL) G Lab File ID: A4758

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 14 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-92B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6154V

Sample wt/vol: 5.15 (g/mL) G Lab File ID: C0693

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: not dec. 15 Date Analyzed: 12/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2 trichloro-1,2,~~	~~5.78~~	~~19~~	~~JN~~ B
2.	unknown	20.78	6	J
3.	unknown	22.73	12	J

(B) 4/28/95

EPA SAMPLE NO.

A02SS-93

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4817V

Sample wt/vol: 5.15 (g/mL) G Lab File ID: A4759

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 12 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 110-54-3~~	~~Hexane~~	~~9.04~~	~~9~~ (ug) 4/25/95	~~JN~~ B

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A02SS-93B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6242V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0696

Level: (low/med) LOW Date Received: 12/13/94

% Moisture: not dec. 15 Date Analyzed: 12/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.83~~	~~12~~	~~JN~~ B
2.	unknown	20.85	9	J
3. 5989-27-5	D-Limonene	22.24	6	JN

4/25/95

EPA SAMPLE NO.

A02SS-94

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4038

Matrix: (soil/water) SOIL Lab Sample ID: JN4818V

Sample wt/vol: 5.02 (g/mL) G Lab File ID: A4760

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: not dec. 11 Date Analyzed: 11/22/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A02SS-107C

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6155V

Sample wt/vol: 5.21 (g/mL) G Lab File ID: C0694

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: not dec. 14 Date Analyzed: 12/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.77~~	~~39~~	~~JN~~ B
2. 80-56-8	.alpha.-Pinene	19.71	7	JN
3. 87-44-5	Caryophyllene	21.13	150	JN

4/28/95

EPA SAMPLE NO.

A02SS-108A

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4104

Matrix: (soil/water) SOIL Lab Sample ID: JN6156V

Sample wt/vol: 5.11 (g/mL) G Lab File ID: C0695

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: not dec. 19 Date Analyzed: 12/20/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.78~~	~~34~~	~~JN~~
2. 17334-55-3	1H-Cyclopropa[a]naphthalene,	21.13	32	JN

4/28/95

EPA SAMPLE NO.

A05SS-56

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4623V

Sample wt/vol: 4.98 (g/mL) G Lab File ID: C0161

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 18 Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.69~~	~~30~~	~~JN~~ B
2. 471-84-1	Bicyclo[2.2.1]heptane, 7,7-d	20.08	11	JN
3. 127-91-3	.beta.-Pinene	20.96	13	JN
4. 13466-78-9	3-Carene	21.65	14	JN
5. 634-93-5	Benzenamine, 2,4,6-trichloro	22.91	33	JN

(B) 4/28/95

EPA SAMPLE NO.

A05SS-58

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4624V

Sample wt/vol: 5.08 (g/mL) G Lab File ID: C0162

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 13 Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.69~~	~~58~~	~~JN~~ B
2. 471-84-1	Bicyclo[2.2.1]heptane, 7,7-d	20.08	10	JN
3. 18172-67-3	Bicyclo[3.1.1]heptane, 6,6-d	20.95	7	JN
4. 13466-78-9	3-Carene	21.65	9	JN

(B) 4/28/95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A05SS-59

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4625V

Sample wt/vol: 5.00 (g/mL) G Lab File ID: C0163

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 14 Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.68~~	~~56~~	~~JN~~ B
2. 13466-78-9	3-Carene	21.65	5	JN

4/28/95

EPA SAMPLE NO.

A05SS-60

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4626V

Sample wt/vol: 5.01 (g/mL) G Lab File ID: C0164

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 19 Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.69~~	~~45~~	~~JN~~ B
2.	unknown	20.08	7	J

(19) 4/28/95

EPA SAMPLE NO.

A05SS-62

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4631V

Sample wt/vol: 5.09 (g/mL) G Lab File ID: C0169

Level: (low/med) LOW Date Received: 11/09/94

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

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.68~~	~~9~~	~~JN~~ B
2. 471-84-1	Bicyclo[2.2.1]heptane, 7,7-d	20.08	15	JN
3. 13466-78-9	3-Carene	21.66	25	JN

4/25/95

000154
EPA SAMPLE NO.

A05SS-63

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4627V

Sample wt/vol: 5.28 (g/mL) G Lab File ID: C0165

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 17 Date Analyzed: 11/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76 13 1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.68~~	~~58~~	~~JN~~ B
			(18) 4/28/95	

EPA SAMPLE NO.

A05SS-64

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4628V

Sample wt/vol: 5.27 (g/mL) G Lab File ID: C0180

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 3 Date Analyzed: 11/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.73~~	~~13~~	~~JN~~ B

(B) 4/28/95

EPA SAMPLE NO.

A05SS-65

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4629V

Sample wt/vol: 1.11 (g/mL) G Lab File ID: C0203

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 13 Date Analyzed: 11/19/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,	5.67	54	~~JN~~ B

4/28/95

EPA SAMPLE NO.

A05SS-66

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4632V

Sample wt/vol: 5.09 (g/mL) G Lab File ID: C0187

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 19 Date Analyzed: 11/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.70~~	~~46~~	~~JN~~ B
			(B) 4/25/95	

EPA SAMPLE NO.

A05SS-85

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4030

Matrix: (soil/water) SOIL Lab Sample ID: JN4633V

Sample wt/vol: 5.19 (g/mL) G Lab File ID: C0188

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 17 Date Analyzed: 11/18/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.69~~	~~61~~	~~JN~~ B
~~2. 110-54-3~~	~~Hexane~~	~~7.48~~	~~6~~	~~JN~~ B
3. 13466-78-9	3-Carene	21.65	5	JN

VR 4/28/95

EPA SAMPLE NO.

A05SS-102

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2V4099

Matrix: (soil/water) SOIL Lab Sample ID: JN5856V

Sample wt/vol: 5.42 (g/mL) G Lab File ID: C0615

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: not dec. 25 Date Analyzed: 12/17/94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 76-13-1~~	~~Ethane, 1,1,2-trichloro-1,2,~~	~~5.78~~	~~31~~	~~JN~~ B
			(ug) 4/28/95	

EPA SAMPLE NO.

0008A/B

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 08A/B

Matrix: (soil/water) SOIL Lab Sample ID: JN3593C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: A4474

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: 20 decanted: (Y/N) ___ Date Extracted: 10/25/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/26/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 79-31-2	Propanoic acid, 2-methyl-	5.66	250	JN
2. 107-92-6	Butanoic acid	6.10	230	JN
3. 503-74-2	Butanoic acid, 3-methyl-	6.89	140	JN
~~4. 123-42-2~~	~~2 Pentanone, 4 hydroxy 4 met~~	~~7.03~~	~~2400~~	~~JNA~~ AUDOL
5. 142-62-1	Hexanoic acid	8.83	140	JN
6. 501-52-0	Benzenepropanoic acid	13.61	170	JN
7. 515-13-9	Cyclohexane, 1-ethenyl-1-met	14.62	130	JN
8.	Unk substituted aromatic	16.18	190	J
9. 74381-40-1	Propanoic acid, 2-methyl-, 1	16.83	150	JN
10. 3856-25-5	Copaene	17.59	140	JN
11. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	17.95	130	JN
12.	unknown	20.72	300	J
13.	unknown	21.61	170	J
14.	unknown	21.76	180	J
15.	Unk amine	22.08	200	J
16.	Unk amine	22.93	560	J
~~17. 112-95-8~~	~~Eicosane~~	~~26.07~~	~~170~~	~~JN~~ B
18. 629-94-7	Heneicosane	28.04	530	JN
~~19. 630-07-9~~	~~Pentatriacontane~~	~~29.25~~	~~140~~	~~JN~~ B
20. 630-06-8	Hexatriacontane	30.67	360	JN

VG 4/29/95

EPA SAMPLE NO.

0009A/B

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 08A/B

Matrix: (soil/water) SOIL Lab Sample ID: JN3594C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: A4475

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: 13 decanted: (Y/N) ___ Date Extracted: 10/25/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/26/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 79-00-5~~	~~Ethane, 1,1,2-trichloro-~~	~~5.89~~	~~83~~	~~JN~~ VOC
~~2. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~7.03~~	~~3400~~	~~JNA~~ AUDA
~~3. 79-34-5~~	~~Ethane, 1,1,2,2-tetrachloro-~~	~~8.14~~	~~110~~	~~JN~~ VOC
4. 515-13-9	Cyclohexane, 1-ethenyl-1-met	14.63	130	JN
5.	Unk organic acid	16.82	210	J
6. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	17.95	80	JN
7.	unknown	21.72	100	J
8.	unknown	22.26	210	J

LG 4/24/95

EPA SAMPLE NO.

0010A/B

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 08A/B

Matrix: (soil/water) SOIL Lab Sample ID: JN3595C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: A4476

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: 26 decanted: (Y/N) ___ Date Extracted: 10/25/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/26/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 79-00-5~~	~~Ethane, 1,1,2-trichloro-~~	~~5.89~~	~~110~~	~~JN~~ VOC
~~2. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~7.04~~	~~3800~~	~~JNA~~ ALDOL
~~3. 79-34-5~~	~~Ethane, 1,1,2,2-tetrachloro-~~	~~8.14~~	~~130~~	~~JN~~ VOC
4. 142-62-1	Hexanoic acid	8.85	250	JN
5.	Unk organic acid	16.82	210	J
6.	Unk substituted aromatic	17.92	170	J
7. 203-64-5	4H-Cyclopenta[def]phenanthre	20.66	90	JN
8. 243-17-4	11H-Benzo[b]fluorene	23.03	77	JN
9. 238-84-6	11H-Benzo[a]fluorene	23.26	74	JN
10. 3442-78-2	Pyrene, 2-methyl-	23.73	88	JN
11.	unknown	23.80	96	J
12. 55282-14-9	Docosane, 9-butyl-	28.04	250	JN
13. 629-97-0	Docosane	30.67	230	JN

ug 4/29/95

D171

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: 0011A/B

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 08A/B

Matrix: (soil/water) SOIL Lab Sample ID: JN3596C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: A4477

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: 5 decanted: (Y/N) ___ Date Extracted: 10/25/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/26/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 79-00-5~~	~~Ethane, 1,1,2-trichloro~~	~~5.89~~	~~150~~	~~JN~~ VOC
~~2. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~7.03~~	~~3100~~	~~JNA~~ alcol
~~3. 79-34-5~~	~~Ethane, 1,1,2,2-tetrachloro~~	~~8.14~~	~~230~~	~~JN~~ VOC
4. 109-52-4	Pentanoic acid	8.81	70	JN
5.	Unk organic acid	16.82	280	J

VG 4/29/95

0180

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0012A/B

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 08A/B

Matrix: (soil/water) SOIL Lab Sample ID: JN3597C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: A4478

Level: (low/med) LOW Date Received: 10/21/94

% Moisture: 29 decanted: (Y/N) ___ Date Extracted: 10/25/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/26/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~7.03~~	~~3300~~	~~JNA~~ ALDOL
~~2. 79-34-5~~	~~Ethane, 1,1,2,2-tetrachloro-~~	~~8.14~~	~~78~~	~~JN~~ VOC
3. 0-00-0	Decahydro-4,4,8,9,10-pentame	14.52	76	JN
4. 54832-83-6	1H-Indene, octahydro-2,2,4,4	15.20	83	JN
5.	Unk substituted aromatic	15.64	160	J
6. 55045-11-9	Tridecane, 5-propyl-	17.80	180	JN
7. 118-96-7	Benzene, 2-methyl-1,3,5-trin	18.09	290	JN
8. 544-63-8	Tetradecanoic acid	18.31	180	JN
9. 54833-48-6	Heptadecane, 2,6,10,15-tetra	18.84	130	JN
10. 57-10-3	Hexadecanoic acid	20.24	250	JN
11.	Unk amine	20.42	320	J
12. 35572-78-2	Benzenamine, 2-methyl-3,5-di	20.98	170	JN
13. 629-94-7	Heneicosane	23.04	100	JN
~~14. 112-95-8~~	~~Eicosane~~	~~24.52~~	~~370~~	~~JN~~ B
15. 629-92-5	Nonadecane	26.08	290	JN
16. 630-03-5	Nonacosane	26.99	150	JN
17.	unknown	27.54	110	J
18. 54833-23-7	Eicosane, 10-methyl-	28.05	2100	JN
19. 593-45-3	Octadecane	29.26	390	JN
20. 55045-08-4	Dodecane, 2-methyl-6-propyl-	30.69	3100	JN
21. 629-97-0	Docosane	34.33	700	JN

LB 4/29/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000320

A01SS-06

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 13829N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4333C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2827

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 17 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~Unk alcohol~~ 2-Pentanone, 4-hydroxy-4-methyl	5.07	470	J A ~~H~~ 1000
2. 57-10-3	Hexadecanoic acid	15.43	75	JN
3.	Unk hydrocarbon	20.25	280	J
4.	Unk hydrocarbon	21.17	390	J
5.	Unk hydrocarbon	21.38	560	J
6.	Unk hydrocarbon	22.16	410	J
7.	unknown	23.76	130	J

LG 4/24/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-06B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41706

Matrix: (soil/water) SOIL Lab Sample ID: JN5016C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: E3074

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: 30 decanted: (Y/N) ___ Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/01/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.66~~	~~540~~	~~JNA~~ ALDOL
2. 57-10-3	Hexadecanoic acid	15.03	400	JN
3. 112-80-1	Oleic Acid	16.17	370	JN
4. 103-23-1	Hexanedioic acid, bis(2-ethy	17.63	1100	JN
5. 1740-19-8	1-Phenanthrenecarboxylic aci	18.23	3700	JN

LG 4/29/95

EPA SAMPLE NO.

A01SS-07

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 156291K SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4334C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: A4640

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.94~~	~~1000~~	~~JNA~~ A100V
2.	Unk hydrocarbon	24.41	86	J
3.	unknown hydrocarbon	25.43	320	J
4.	Unk hydrocarbon	25.84	490	J
5.	Unk hydrocarbon	27.20	330	J
6.	Unk hydrocarbon	27.69	700	J
7.	Unk hydrocarbon	29.56	150	J
8.	Unk hydrocarbon	30.20	260	J
9.	Unk hydrocarbon	31.08	79	J

CS 4/19/95

EPA SAMPLE NO.

A01SS-08

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 1562914 SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4335C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E2828

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 20.0

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unk polynuclear aromatic	15.53	3500	J
2. 84-65-1	9,10-Anthracenedione	15.88	5800	JN
3. 243-17-4	11H-Benzo[b]fluorene	17.41	3300	JN
4.	Unk polynuclear aromatic	17.58	2400	J
5.	Unk polynuclear aromatic	18.26	3000	J
6. 239-35-0	Benzo[b]naphtho[2,1-d]thioph	18.42	2400	JN
7. 82-05-3	7H-Benz[de]anthracen-7-one	18.60	2400	JN

EPA SAMPLE NO.

A01SS-09

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15289N SAS No.: _____ SDG No.: A0155-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4336C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E2865

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 24 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

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

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	883-20-5	Phenanthrene, 9-methyl-	15.45	710	JN
2.		Unk polynuclear aromatic	15.53	1000	J
3.	84-65-1	9,10-Anthracenedione	15.88	900	JN
4.	5737-13-3	Cyclopenta(def)phenanthrenon	16.41	970	JN
5.	243-17-4	11H-Benzo[b]fluorene	17.24	720	JN
6.	2381-21-7	Pyrene, 1-methyl-	17.42	1800	JN
7.		Unk polynuclear aromatic	17.59	1100	J
8.	3442-78-2	Pyrene, 2-methyl-	17.75	880	JN
9.		Unk polynuclear aromatic	18.10	810	J
10.		Unk polynuclear aromatic	18.28	1100	J
11.		Unk polynuclear aromatic	18.61	790	J
12.	1705-84-6	Triphenylene, 2-methyl-	19.49	1200	JN
13.	3351-31-3	Chrysene, 3-methyl-	19.55	750	JN
14.		Unk polynuclear aromatic	19.70	880	J
15.		Unk polynuclear aromatic	20.01	2500	J
16.		unknown	20.26	4500	J
17.	192-97-2	Benzo[e]pyrene	20.64	2300	JN
18.		unknown	21.17	2700	J
19.		Unk hydrocarbon	21.38	1700	J
20.		Unk hydrocarbon	22.16	2100	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-10

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15639IV SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4337C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: E2866

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 17 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.08~~	~~200~~	~~JNA~~ A001
2. 118-96-7	Benzene, 2-methyl-1,3,5-trin	13.88	98	JN
3. 613-12-7	Anthracene, 2-methyl-	15.39	78	JN
4. 57-10-3	Hexadecanoic acid	15.45	200	JN
5.	Unk polynuclear aromatic	15.54	140	J
6. 84-65-1	9,10-Anthracenedione	15.88	93	JN
7.	Unk hydrocarbon	16.59	160	J
8. 243-17-4	11H-Benzo[b]fluorene	17.24	78	JN
9. 2381-21-7	Pyrene, 1-methyl-	17.42	170	JN
10. 4337-65-9	Hexanedioic acid, mono(2-eth	18.06	720	JN
11.	Unk polynuclear aromatic	18.54	650	J
12. 82-05-3	7H-Benz[de]anthracen-7-one	18.60	480	JN
13.	Unk polynuclear aromatic	19.02	420	J
14.	~~Unk hydrocarbon~~	~~19.55~~	~~620~~	~~J~~ B
15.	Unk hydrocarbon	20.26	1600	J
16.	Unk amine	20.88	660	J
17.	Unk hydrocarbon	21.17	1900	J
18.	unknown	21.37	1500	J
19.	Unk hydrocarbon	22.15	450	J
20.	Unk hydrocarbon	22.40	510	J
~~21.~~ JH	~~unk hydrocarbon~~ JH	~~22.~~ JH		

LS 4/29/95

000470
EPA SAMPLE NO.

A01SS-11

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15829N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4338C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A4644

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	2-Pentanone, 4-hydroxy-4-met	5.93	500	JNA
2.	~~Unk hydrocarbon~~	~~7.59~~	~~410~~	~~J~~
3.	~~Unk hydrocarbon~~	~~7.68~~	~~430~~	~~J~~
4. 118-71-8	Maltol	9.67	190	JN
5.	Unk hydrocarbon	17.96	130	J
6.	Unk hydrocarbon	18.74	170	J
7.	Unk hydrocarbon	18.80	180	J
8.	Unk hydrocarbon	21.58	72	J
9. 103-23-1	Hexanedioic acid, bis(2-ethy	22.40	3000	JN
10.	Unk hydrocarbon	22.74	85	J
11.	Unk hydrocarbon	23.09	70	J
12.	Unk hydrocarbon	24.41	84	J
13.	Unk hydrocarbon	24.49	75	J
14.	Unk hydrocarbon	25.43	630	J
15.	Unk hydrocarbon	25.84	910	J
16.	Unk hydrocarbon	27.17	360	J
17.	Unk hydrocarbon	27.69	900	J
18.	Unk hydrocarbon	29.55	320	J
19.	Unk hydrocarbon	30.18	160	J
20.	Unk hydrocarbon	32.84	110	J

EPA SAMPLE NO.

A01SS-12

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15829N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4339C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2832

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

EPA SAMPLE NO.

A01SS-13

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15329N SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4340C

Sample wt/vol: 30.9 (g/mL) G Lab File ID: A4646

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unk polynuclear aromatic	19.02	1800	J
2. 84-65-1	9,10-Anthracenedione	19.46	710	JN
3. 3674-66-6	Phenanthrene, 2,5-dimethyl-	20.01	1000	JN
4.	unknown	20.08	850	J
5. 5737-13-3	Cyclopenta(def)phenanthrenon	20.19	840	JN
6. 238-84-6	11H-Benzo[a]fluorene	21.35	1200	JN
7. 3442-78-2	Pyrene, 2-methyl-	21.58	2600	JN
8.	Unk polynuclear aromatic	21.82	1300	J
9. 2381-21-7	Pyrene, 1-methyl-	22.03	920	JN
10.	Unk hydrocarbon	22.10	1000	J
11. 82-05-3	7H-Benz[de]anthracen-7-one	22.73	1000	JN
12. 239-35-0	Benzo[b]naphtho[2,1-d]thioph	22.98	860	JN
13.	Unk polynuclear aromatic	23.04	1200	J
14.	Unk polynuclear aromatic	23.10	1000	J
15. 82-05-3	7H-Benz[de]anthracen-7-one	23.17	990	JN
16. 1705-84-6	Triphenylene, 2-methyl-	24.39	810	JN
17.	Unk hydrocarbon	25.83	2900	J
18. 205-82-3	Benzo[j]fluoranthene	26.63	4800	JN
19.	Unk hydrocarbon	27.17	1900	J
20.	Unk hydrocarbon	27.68	3600	J

EPA SAMPLE NO.

A01SS-14

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4341C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E2834

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 5 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.0

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓
1.	Unk polynuclear aromatic	17.23	400	J
2. 2381-21-7	Pyrene, 1-methyl-	17.39	940	JN
3.	Unk polynuclear aromatic	17.58	530	J
4. 3353-12-6	Pyrene, 4-methyl-	17.73	440	JN
5.	Unk polynuclear aromatic	18.26	570	J
6.	Unk polynuclear aromatic	18.50	410	J
7.	Unk hydrocarbon	18.59	350	J
8.	Unk polynuclear aromatic	18.71	750	J
9. 192-97-2	Benzo[e]pyrene	20.86	2500	JN

EPA SAMPLE NO.

A01SS-15

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4433C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B4977

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 13 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 20.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 243-17-4	11H-Benzo[b]fluorene	20.79	4000	JN
2. 238-84-6	11H-Benzo[a]fluorene	21.01	7000	JN
3. 3442-78-2	Pyrene, 2-methyl-	21.25	4300	JN
4.	Unk polynuclear aromatic	21.46	2800	J
5.	Unk polynuclear aromatic	21.52	3100	J
6. 82-05-3	7H-Benz[de]anthracen-7-one	22.15	4900	JN
7. 239-35-0	Benzo[b]naphtho[2,1-d]thioph	22.39	6700	JN
8.	Unk polynuclear aromatic	22.45	6800	J
9.	Unk polynuclear aromatic	22.51	10000	J
10. 82-11-3	7H-Benz[de]anthracen-7-one	22.59	4500	JN
11.	Unk polynuclear aromatic	22.93	47000	J
12.	Unk polynuclear aromatic	23.18	4600	J
13.	Unk polynuclear aromatic	23.42	3900	J
14.	Unk polynuclear aromatic	23.80	8000	J
15. 1090-13-7	5,12-Naphthacenedione	23.89	5900	JN
16.	Unk polynuclear aromatic	24.09	6200	J
17. 1090-13-7	5,12-Naphthacenedione	24.46	2900	JN
18.	Unk polynuclear aromatic	24.85	4800	J
19. 205-82-3	Benzo[j]fluoranthene	25.43	4500	JN
20. 198-55-0	Perylene	25.83	16000	JN

000586
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-16

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15329IV SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4434C

Sample wt/vol: 33.5 (g/mL) G Lab File ID: B4978

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 8 decanted: (Y/N) N Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ✓
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.65~~	~~340~~	~~JNA~~ HLDO
2. 203-64-5	4H-Cyclopenta[def]phenanthre	18.48	190	JN
3. 5737-13-3	Cyclopenta(def)phenanthrenon	19.64	190	JN
4. 238-84-6	11H-Benzo[a]fluorene	20.79	210	JN
5. 3442-78-2	Pyrene, 2-methyl-	21.03	350	JN
6.	Unk polynuclear aromatic	21.26	270	J
7. 2381-21-7	Pyrene, 1-methyl-	21.46	130	JN
8. 82-05-3	7H-Benz[de]anthracen-7-one	22.16	500	JN
9.	Unk polynuclear aromatic	22.39	510	J
10.	Unk polynuclear aromatic	22.46	410	J
11.	Unk polynuclear aromatic	22.51	610	J
12.	Unk polynuclear aromatic	22.59	530	J
13.	Unk polynuclear aromatic	23.43	190	J
14.	Unk polynuclear aromatic	23.79	320	J
15.	Unk polynuclear aromatic	23.88	240	J
16.	Unk polynuclear aromatic	24.08	280	J
17.	Unk polynuclear aromatic	24.84	350	J
18. 198-55-0	Perylene	25.43	270	JN
19. 192-97-2	Benzo[e]pyrene	25.83	720	JN
20.	Unk hydrocarbon	26.82	330	J

EPA SAMPLE NO.

A01SS-16

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4434C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: B4978

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 8 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.65~~	~~340~~	~~JNA~~
2. 203-64-5	4H-Cyclopenta[def]phenanthre	18.48	190	JN
3. 5737-13-3	Cyclopenta(def)phenanthrenon	19.64	190	JN
4. 238-84-6	11H-Benzo[a]fluorene	20.79	210	JN
5. 3442-78-2	Pyrene, 2-methyl-	21.03	350	JN
6.	Unk polynuclear aromatic	21.26	270	J
7. 2381-21-7	Pyrene, 1-methyl-	21.46	130	JN
8. [illegible]	7H-Benz[de]anthracen-7-one	22.16	500	JN
9.	Unk polynuclear aromatic	22.39	510	J
10.	Unk polynuclear aromatic	22.46	410	J
11.	Unk polynuclear aromatic	22.51	610	J
12.	Unk polynuclear aromatic	22.59	530	J
13.	Unk polynuclear aromatic	23.43	190	J
14.	Unk polynuclear aromatic	23.79	320	J
15.	Unk polynuclear aromatic	23.88	240	J
16.	Unk polynuclear aromatic	24.08	280	J
17.	Unk polynuclear aromatic	24.84	350	J
18. 198-55-0	Perylene	25.43	270	JN
19. 192-97-2	Benzo[e]pyrene	25.83	720	JN
20.	Unk hydrocarbon	26.82	330	J

000776

EPA SAMPLE NO.

A01SS-16B

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41706

Matrix: (soil/water) SOIL Lab Sample ID: JN5017C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E3077

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: 18 decanted: (Y/N) ___ Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~ 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.65	200	~~JNA~~ Aldol
2. 100-52-7	Benzaldehyde	6.30	660	JN
3. 2381-21-7	Pyrene, 1-methyl-	16.90	120	JN
4.	Unk organic acid	17.61	140	J
5. 1090-13-7	5,12-Naphthacenedione	19.48	120	JN
6.	Unk phthalate	19.80	180	J
7.	Unk phthalate	19.87	140	J
8. 629-78-7	Heptadecane	20.91	140	JN

(lq) 4/24/95

EPA SAMPLE NO.

A01SS-17

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4435C

Sample wt/vol: 30.7 (g/mL) G Lab File ID: B4979

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 19 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

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

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unk polynuclear aromatic	18.47	980	J
2.	Unk polynuclear aromatic	19.94	690	J
3. 3442-78-2	Pyrene, 2-methyl-	20.78	870	JN
4. 243-17-4	11H-Benzo[b]fluorene	21.01	2300	JN
5.	Unk polynuclear aromatic	21.25	1100	J
6. 2381-21-7	Pyrene, 1-methyl-	21.45	850	JN
7.	Unk substituted aromatic	21.52	700	J
8.	Unk polynuclear aromatic	21.93	940	J
9. [illegible]	7H-Benz[de]anthracen-7-one	22.14	1100	JN
10. [illegible]	Benzo[b]naphtho[2,1-d]thioph	22.39	1000	JN
11. 1705-84-6	Triphenylene, 2-methyl-	23.79	970	JN
12.	Unk polynuclear aromatic	23.88	680	J
13.	Unk polynuclear aromatic	24.09	910	J
14.	Unk polynuclear aromatic	24.83	2300	J
15. 198-55-0	Perylene	25.82	5900	JN

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: A01SS-17B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41706

Matrix: (soil/water) SOIL Lab Sample ID: JN5018C

Sample wt/vol: 30.7 (g/mL) G Lab File ID: E3078

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: 24 decanted: (Y/N) ___ Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 21 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

•CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.65~~	~~430~~	~~JNA~~ aldol
2.	Unk substituted aromatic	15.04	310	J
3.	Unk substituted aromatic	16.76	430	J
4. 238-84-6	11H-Benzo[a]fluorene	16.94	1200	JN
5. 243-17-4	11H-Benzo[b]fluorene	17.04	330	JN
6. 3442-78-2	Pyrene, 2-methyl-	17.10	700	JN
7. 2381-21-7	Pyrene, 1-methyl-	17.25	430	JN
8.	Unk substituted aromatic	17.29	790	J
9.	unknown	17.62	660	J
10. 82-05-3	7H-Benz[de]anthracen-7-one	17.78	1400	JN
11. 243-46-9	Benzo[b]naphtho[2,3-d]thioph	17.93	720	JN
12.	Unk substituted aromatic	17.98	1000	J
13. 82-05-3	7H-Benz[de]anthracen-7-one	18.13	680	JN
14.	unknown	18.23	750	J
15.	Unk substituted aromatic	18.53	520	J
16.	unknown	18.88	550	J
17. 1705-84-6	Triphenylene, 2-methyl-	18.99	1600	JN
18. 3351-32-4	2-Methylchrysene	19.05	750	JN
19.	unknown	19.12	1100	J
20.	unknown	19.21	1500	J
21.	Unk substituted aromatic	19.77	950	J

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000537
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-18

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4436C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: B4980

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 31 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.72~~	~~2500~~	~~JNA~~ AMDL
2. 65-85-0	Benzoic Acid	9.80	80	JN
3. 103-82-2	Benzeneacetic acid	10.76	89	JN
4. 501-52-0	Benzenepropanoic acid	11.86	150	JN
5. 148-24-3	Oxyquinoline	16.06	72	JN
6. 57-10-3	Hexadecanoic acid	18.33	81	JN
7. 84-65-1	9,10-Anthracenedione	18.92	100	JN
8.	Unk polynuclear aromatic	22.39	84	J
9.	Unk hydrocarbon	22.53	490	J
10.	Unk hydrocarbon	23.50	77	J
11.	Unk hydrocarbon	23.89	510	J
12.	Unk hydrocarbon	24.60	400	J
13.	Unk hydrocarbon	24.83	780	J
14.	Unk hydrocarbon	26.38	640	J
15.	Unk hydrocarbon	26.83	1100	J

LS 4/24/95

000857

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-18B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41816

Matrix: (soil/water) SOIL Lab Sample ID: JN5853C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B5297

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: 18 decanted: (Y/N) ___ Date Extracted: 12/09/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.60~~	~~2700~~	~~JNA~~ (1) ald
2. 238-84-6	11H-Benzo[a]fluorene	19.06	96	JN
3. 243-17-4	11H-Benzo[b]fluorene	19.30	210	JN
4.	Unk substituted aromatic	19.51	69	J
5. 3442-78-2	Pyrene, 2-methyl-	19.71	94	JN
6. 2381-21-7	Pyrene, 1-methyl-	19.77	71	JN
7. 82-05-3	7H-Benz[de]anthracen-7-one	20.39	77	JN
8.	Unk substituted aromatic	20.70	86	J
9. 195-19-7	Benzo[c]phenanthrene	21.39	93	JN
10. 2381-31-9	Benz[a]anthracene, 8-methyl-	22.02	150	JN
11. 1090-13-7	5,12-Naphthacenedione	22.11	85	JN
12.	Unk substituted aromatic	22.21	82	J
13. 205-82-3	Benzo[j]fluoranthene	23.51	160	JN
14. 198-55-0	Perylene	23.84	540	JN
15.	Unk substituted aromatic	24.32	78	J
16.	unknown	24.78	150	J

(B) 4/24/95

000573
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-19

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4446C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E2895

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~680~~	~~JNA~~ ALVOL
2. 613-12-7	Anthracene, 2-methyl-	15.34	120	JN
3. 832-71-3	Phenanthrene, 3-methyl-	15.39	140	JN
4.	Unk polynuclear aromatic	15.53	200	J
5. 84-65-1	9,10-Anthracenedione	15.89	230	JN
6. 1576-69-8	Phenanthrene, 2,7-dimethyl-	16.26	140	JN
7. 5737-13-3	Cyclopenta(def)phenanthrenon	16.42	140	JN
8. 2381-21-7	Pyrene, 1-methyl-	17.60	130	JN
9. 82-05-3	7H-Benz[de]anthracen-7-one	18.28	98	JN
10.	Unk polynuclear aromatic	18.49	99	J
11.	Unk polynuclear aromatic	18.53	100	J
12. 3697-24-3	Chrysene, 5-methyl-	19.49	97	JN
13.	Unk polynuclear aromatic	19.71	110	J
14. 1090-13-7	5,12-Naphthacenedione	20.02	170	JN
15.	unknown	20.27	400	J
16.	Unk polynuclear aromatic	20.55	1400	J
17. 207-08-9	Benzo[k]fluoranthene	20.90	810	JN
18.	Unk hydrocarbon	21.17	200	J
19.	Unk polynuclear aromatic	21.28	180	J
20.	Unk hydrocarbon	21.38	210	J

EPA SAMPLE NO.

A01SS-20

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15639IV SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4342C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E2835

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 10 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.07~~	~~150~~	~~JNA~~ 1/1.001
~~2.~~	~~Unk hydrocarbon~~	~~6.65~~	~~130~~	~~J~~ B
3. 0-00-0	N-[2-(Perfluorophenoxy)ethyl	13.18	96	JN
4.	Unk hydrocarbon	20.24	710	J
5.	Unk hydrocarbon	20.49	680	J
6.	Unk hydrocarbon	21.16	780	J
7.	Unk hydrocarbon	21.37	570	J

(LB) 4/24/95

000639
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-21

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15829N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4343C

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E2836

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.07~~	~~180~~	~~JNA~~ NOL
2.	unknown	18.59	300	J
3.	Unk hydrocarbon	21.16	660	J
4.	Unk hydrocarbon	21.37	810	J

4/21/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: A01SS-22

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 153291 SAS No.: _____ SDG No.: A0155-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4344C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E2837

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.07~~	~~170~~	~~JNA~~ A UOL
2.	Unk hydrocarbon	11.25	86	J
~~3. 74381-40-1~~	~~Propanoic acid, 2-methyl-, 1~~	~~12.89~~	~~210~~	~~JN~~ B
4.	Unk hydrocarbon	14.46	74	J
5. 57-10-3	Hexadecanoic acid	15.45	210	JN
6.	Unk hydrocarbon	15.72	66	J
7.	Unk hydrocarbon	15.83	110	J
8.	Unk hydrocarbon	18.55	250	J
9.	Unk hydrocarbon	19.27	260	J
10.	Unk hydrocarbon	20.25	2100	J
11.	Unk hydrocarbon	20.49	1300	J
12. 2765-11-9	Pentadecanal-	21.16	1500	JN
13.	Unk hydrocarbon	21.37	1400	J
14.	Unk hydrocarbon	22.54	1400	J

EPA SAMPLE NO.

A01SS-23

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4345C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E2838

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unk hydrocarbon	12.77	150	J
2. 57-10-3	Hexadecanoic acid	15.51	2600	JN
3.	Unk hydrocarbon	16.64	640	J
4. 57-11-4	Octadecanoic acid	16.73	340	JN
5. 238-84-6	11H-Benzo[a]fluorene	17.42	220	JN
6.	Unk polynuclear aromatic	17.59	220	J
7.	Unk hydrocarbon	19.55	140	J
8.	Unk hydrocarbon	21.17	200	J
9.	Unk hydrocarbon	21.38	340	J

000712
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-24

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 152291V SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4346C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E2839

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 5 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	5.07	160	~~JNA~~ A DOL
2.	unknown	11.25	84	J
~~3. 74381-40-1~~	~~Propanoic acid, 2-methyl-, 1~~	~~12.89~~	~~75~~	~~JN~~ B
4. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	12.98	110	JN
5.	Unk phenolic	13.75	380	J
6.	Unk polynuclear aromatic	15.53	81	J
7. 3674-66-6	Phenanthrene, 2,5-dimethyl-	16.26	67	JN
8.	unknown	16.40	520	J
9.	unknown	16.63	110	J
10. 243-17-4	11H-Benzo[b]fluorene	17.24	130	JN
11. 238-84-6	11H-Benzo[a]fluorene	17.42	230	JN
12.	Unk polynuclear aromatic	17.59	140	J
13.	unknown	17.65	310	J
14.	unknown	19.01	270	J
15.	Unk polynuclear aromatic	19.99	740	J
16.	Unk hydrocarbon	20.24	950	J
17.	Unk polynuclear aromatic	20.49	2600	J
18.	Unk hydrocarbon	21.37	580	J

DB 4/29/95

000749
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-25

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15739N SAS No.: _____ SDG No.: A0155-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4347C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E2840

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 20.0

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

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 613-12-7	Anthracene, 2-methyl-	15.48	18000	JN
2. 610-48-0	Anthracene, 1-methyl-	15.55	15000	JN
3. 35465-71-5	2-Phenylnaphthalene	15.83	10000	JN
4. 243-42-5	Benzo[b]naphtho[2,3-d]furan	17.12	14000	JN
5. 206-49-5	Acenaphtho(1,2-B)pyridine	17.22	16000	JN
6. 2381-21-7	Pyrene, 1-methyl-	17.31	32000	JN
7.	Unk polynuclear aromatic	17.49	57000	J
8.	Unk polynuclear aromatic	17.57	16000	J
9. 3353-12-6	Pyrene, 4-methyl-	17.80	19000	JN
10.	unknown	17.85	24000	J
11. 4337-65-9	Hexanedioic acid, mono(2-eth	18.09	20000	JN
12. 82-05-3	7H-Benz[de]anthracen-7-one	18.34	20000	JN
13. 239-35-0	Benzo[b]naphtho[2,1-d]thioph	18.48	15000	JN
14. 195-19-7	Benzo[c]phenanthrene	18.53	23000	JN
15. 203-12-3	Benzo[ghi]fluoranthene	18.58	30000	JN
16.	Unk polynuclear aromatic	18.75	22000	J
17.	Unk polynuclear aromatic	19.26	10000	J
18. 1705-85-7	Chrysene, 6-methyl-	19.54	15000	JN
19.	Unk polynuclear aromatic	20.58	52000	J
~~20. 198-55-0~~	~~Perylene~~	~~20.93~~	~~17000~~	~~JN~~ ~~JCL~~ OK

stet 4/29/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-26

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15329/1 SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4348C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E2862

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 6 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	2-Pentanone, 4-hydroxy-4-met	5.09	~~190~~	~~JNA~~ aldol
~~2. 74381-40-1~~	Propanoic acid, 2-methyl-, 1	12.90	~~150~~	~~JN~~
3.	Unk hydrocarbon	20.26	110	J
4.	Unk hydrocarbon	21.17	120	J
5.	Unk hydrocarbon	21.37	130	J
6.	Unk hydrocarbon	22.16	100	J

4/29/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-26B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41816

Matrix: (soil/water) SOIL Lab Sample ID: JN5854C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B5294

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: 17 decanted: (Y/N) ___ Date Extracted: 12/09/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.58~~	~~1300~~	~~JNA~~ aldol
2. 0-00-0	.alpha.-Amorphene	11.10	140	JN
3. 11029-06-4	Elemene	11.30	120	JN
4. 31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	12.53	180	JN
5. 150-86-7	Phytol	18.31	200	JN
6.	unknown	19.53	130	J
7.	unknown	19.67	220	J
8.	unknown	20.54	200	J
9.	unknown	21.38	360	J
10.	unknown	21.51	1900	J
11.	unknown	22.01	230	J
12. 593-45-3	Octadecane	22.34	290	JN
13. 629-80-1	Hexadecanal	23.26	760	JN
14. 630-01-3	Hexacosane	23.59	720	JN
15. 0-00-0	9-Hexacosene	23.75	640	JN
16. 2765-11-9	Pentadecanal-	23.86	180	JN
17. 77899-10-6	(Z)14-Tricosenyl formate	24.47	810	JN
18.	unknown	24.78	400	J
19.	unknown	25.82	440	J
20.	unknown	26.17	2300	J
21.	unknown	27.15	410	J

(ug) 4/29/95

000826
EPA SAMPLE NO.

A01SS-27

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 13629N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4349C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2848

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 9 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 74381-40-1~~	~~Propanoic acid, 2-methyl-, 1~~	~~12.89~~	~~150~~	~~JN~~ B
2.	Unk hydrocarbon	20.49	200	J
3.	Unk hydrocarbon	21.27	210	J
4.	Unk hydrocarbon	21.37	240	J
5.	unknown	22.16	200	J
6.	Unk hydrocarbon	22.56	480	J
7.	Unk hydrocarbon	23.81	190	J

(18) 4/29/95

000839
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-28

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15639N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4350C

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E2849

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 7 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123~~-42-2	2-Pentanone, 4-hydroxy-4-met	5.07	190	~~JNA~~ AUOOV
2.	Unk hydrocarbon	6.65	180	J
3. 103-23-1	Hexanedioic acid, bis(2-ethy	18.06	1800	JN
4.	Unk hydrocarbon	19.42	1400	J

(B) 4/29/95

000849

EPA SAMPLE NO.

A01SS-29

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4351C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2850

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~ 123-42-2	2-Pentanone, 4-hydroxy-4-met	5.08	160	~~JNA~~ aldol
2.	Unk hydrocarbon	12.89	94	J
3. 57-10-3	Hexadecanoic acid	15.45	150	JN
4.	Unk hydrocarbon	16.61	86	J
5.	Unk polynuclear aromatic	16.76	180	J
6.	Unk polynuclear aromatic	16.86	95	J
7. ~~103-23-1~~	~~Hexanedioic acid, bis(2-ethy~~	~~18.05~~	~~100~~	~~JN~~ B
8.	Unk hydrocarbon	18.55	110	J
9.	Unk hydrocarbon	19.59	160	J
10.	Unk hydrocarbon	20.25	180	J
11.	Unk hydrocarbon	20.49	380	J
12.	Unk hydrocarbon	21.16	200	J
13.	Unk hydrocarbon	21.37	700	J
14.	Unk hydrocarbon	21.45	170	J
15.	Unk hydrocarbon	22.15	150	J
16.	Unk hydrocarbon	22.39	230	J
17.	Unk hydrocarbon	23.19	250	J

CB 4/24/95

000872

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-30

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15829N SAS No.: _____ SDG No.: A01SS-06

Matrix: (soil/water) SOIL Lab Sample ID: JN4352C

Sample wt/vol: 30.7 (g/mL) G Lab File ID: E2873

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.08~~	~~190~~	~~JNA~~ aldol
2. 582-16-1	Naphthalene, 2,7-dimethyl-	11.59	92	JN
3.	Unk hydrocarbon	12.82	110	J
~~4. 74381-40-1~~	~~Propanoic acid, 2-methyl-, 1~~	~~12.90~~	~~300~~	~~JN~~ B
5. 2131-42-2	Naphthalene, 1,4,6-trimethyl	13.02	87	JN
6. 1921-70-6	Pentadecane, 2,6,10,14-tetra	13.63	130	JN
7. 490-65-3	N5	14.14	90	JN
8.	Unk hydrocarbon	14.31	86	J
9. 610-48-0	Anthracene, 1-methyl-	15.34	92	JN
10. 613-12-7	Anthracene, 2-methyl-	15.39	120	JN
11. 57-10-3	Hexadecanoic acid	15.45	170	JN
12. 832-64-4	Phenanthrene, 4-methyl-	15.54	150	JN
13.	Unk hydrocarbon	16.29	250	J
14.	Unk polynuclear aromatic	16.78	120	J
15. 243-17-4	11H-Benzo[b]fluorene	17.43	130	JN
16.	Unk hydrocarbon	18.07	290	J
17.	Unk hydrocarbon	19.56	91	J
18.	Unk hydrocarbon	20.26	540	J
19.	Unk hydrocarbon	21.17	430	J
20.	Unk hydrocarbon	21.38	760	J

(DS) 4/24/95

EPA SAMPLE NO.

A01SS-31

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: AD1SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4353C

Sample wt/vol: 34.5 (g/mL) G Lab File ID: B4975

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.66~~	~~290~~	~~JNA~~ AC
2. 57-10-3	Hexadecanoic acid	18.31	98	JN
3.	Unk hydrocarbon	22.54	150	J
4.	Unk hydrocarbon	23.49	98	J
5.	Unk hydrocarbon	23.88	110	J
6.	Unk hydrocarbon	23.93	160	J
7.	Unk hydrocarbon	24.83	400	J
8.	Unk hydrocarbon	25.21	650	J
9.	Unk hydrocarbon	25.27	240	J
10.	Unk hydrocarbon	26.37	550	J
11.	Unk hydrocarbon	26.83	650	J
12.	Unk hydrocarbon	26.96	100	J
13.	Unk hydrocarbon	28.44	240	J
14.	Unk hydrocarbon	28.94	220	J
15.	Unk hydrocarbon	29.19	110	J
16.	Unk hydrocarbon	30.54	300	J

AC 4/29/95

EPA SAMPLE NO.

A01SS-32

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15229/V SAS No.: _____ SDG No.: A01SS

Matrix: (soil/water) SOIL Lab Sample ID: JN4354C

Sample wt/vol: 35.3 (g/mL) G Lab File ID: B4997

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/08/94

Concentrated Extract Volume: 8000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unk polynuclear aromatic	17.44	2300	J
2. 84-65-1	9,10-Anthracenedione	17.89	1900	JN
3. 5737-13-3	Cyclopenta(def)phenanthrenon	18.60	2700	JN
4. 243-17-4	11H-Benzo[b]fluorene	19.73	3600	JN
5. 3442-78-2	Pyrene, 2-methyl-	19.95	7100	JN
6.	Unk polynuclear aromatic	20.19	3800	J
7. 2381-21-7	Pyrene, 1-methyl-	20.39	2700	JN
8.	Unk polynuclear aromatic	20.44	7200	J
9.	Unk polynuclear aromatic	20.90	8100	J
10. 82-05-3	7H-Benz[de]anthracen-7-one	21.08	13000	JN
11. 205-43-6	Benzo[b]naphtho[1,2-d]thioph	21.30	7300	JN
12.	Unk polynuclear aromatic	21.38	9700	J
13. 195-19-7	Benzo[c]phenanthrene	22.08	5500	JN
14. 1705-84-6	Triphenylene, 2-methyl-	22.69	9200	JN
15. 2498-77-3	Benz[a]anthracene, 1-methyl-	22.78	7700	JN
16. 2381-31-9	Benz[a]anthracene, 8-methyl-	22.98	5500	JN
17.	Unk hydrocarbon	24.17	4700	J
18. 198-55-0	Perylene	24.20	5000	JN
19.	Unk alcohol	24.54	14000	J
20.	Unk hydrocarbon	25.09	4600	J

000624
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-33

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4437C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B4981

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 2 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.67~~	~~1300~~	~~JNA~~ (1)(d)
2. 93-15-2	Benzene, 1,2-dimethoxy-4-(2-	12.71	190	JN
3. 3650-28-0	1,4-Methano-1H-indene, octah	12.85	190	JN
4.	unknown	13.15	340	J
5.	Unk substituted aromatic	13.72	200	J
6.	Unk hydrocarbon	14.55	310	J
7.	Unk substituted aromatic	15.57	160	J
8.	Unk hydrocarbon	21.04	240	J
9.	unknown	21.27	180	J
10.	unknown	21.40	720	J
11. 511-18-0	2-Phenanthrenol, 4b,5,6,7,8,	21.65	3500	JN
12.	Unk hydrocarbon	22.53	260	J
13.	unknown	22.59	210	J
14.	Unk polynuclear aromatic	23.34	700	J
15. 511-08-7	9(1H)-Phenanthrenone, 2,3,4,	23.88	440	JN
16. 192-97-2	Benzo[e]pyrene	25.81	250	JN
17.	Unk hydrocarbon	26.82	510	J
18.	Unk hydrocarbon	26.95	260	J
19.	Unk hydrocarbon	29.01	660	J
20.	unknown	29.69	1400	J

(1) 4/19/95

EPA SAMPLE NO.

A01SS-33B

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41706

Matrix: (soil/water) SOIL Lab Sample ID: JN5019C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E3079

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.65~~	~~420~~	~~JNA~~ aldol
2.	unknown	10.98	160	J
3. 77-53-2	Cedrol	12.69	410	JN
4.	unknown	16.15	160	J
5. 238-84-6	11H-Benzo[a]fluorene	16.91	110	JN
6.	unknown	17.21	350	J
7.	unknown	17.44	800	J
8.	Unk organic acid	17.62	480	J
9. 82-05-3	7H-Benz[de]anthracen-7-one	17.76	100	JN
10.	unknown	18.11	120	J
11.	unknown	18.67	340	J
12. 511-05-7	9(1H)-Phenanthrenone, 2,3,4,	19.08	140	JN
13. 54833-48-6	Heptadecane, 2,6,10,15-tetra	20.91	410	JN
14.	unknown	21.71	440	J
15. 593-45-3	Octadecane	21.79	500	JN
16.	unknown	22.02	750	J

4/28/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-34

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4438C

Sample wt/vol: 30.5 (g/mL) G Lab File ID: B4982

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 12 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.67~~	~~1800~~	~~JNA~~ A1001
2.	unknown	12.55	120	J
3. 31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	14.00	130	JN
4. 16982-00-6	Benzene, 1-methyl-4-(1,2,2-t	14.16	92	JN
5. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	16.02	75	JN
6.	unknown	19.98	110	J
7.	unknown	21.61	69	J
8.	unknown	22.52	360	J
9.	unknown	22.73	72	J
10.	Unk hydrocarbon	23.49	79	J
11.	Unk hydrocarbon	23.89	200	J
12.	unknown	24.83	490	J
13.	Unk hydrocarbon	25.19	580	J
14.	Unk hydrocarbon	25.26	190	J
15.	Unk hydrocarbon	26.37	530	J
16.	Unk hydrocarbon	26.82	760	J
17.	Unk hydrocarbon	26.93	350	J
18.	Unk hydrocarbon	28.43	270	J

(18) 4/24/95

EPA SAMPLE NO.

A01SS-35

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4439C

Sample wt/vol: 30.5 (g/mL) G Lab File ID: B4983

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.66~~	~~1100~~	~~JNA~~ aldol
2. 481-[illegible]	1,4-Naphthalenedione, 5-hydr	14.18	790	JN
3.	Unk hydrocarbon	14.98	87	J
4.	Unk polynuclear aromatic	20.09	190	J
5.	Unk hydrocarbon	22.53	240	J
6.	unknown	23.13	71	J
7.	Unk hydrocarbon	23.50	170	J
8.	Unk hydrocarbon	23.89	470	J
9.	Unk hydrocarbon	24.52	180	J
10.	Unk hydrocarbon	24.82	1800	J
11.	Unk hydrocarbon	25.20	2000	J
12.	Unk hydrocarbon	25.27	1100	J
13.	Unk hydrocarbon	25.55	210	J
14.	Unk hydrocarbon	25.95	130	J
15.	Unk hydrocarbon	26.38	2300	J
16.	Unk hydrocarbon	26.83	1500	J
17.	Unk hydrocarbon	26.94	430	J
18.	Unk hydrocarbon	27.32	170	J
19.	Unk hydrocarbon	28.43	690	J
20.	Unk hydrocarbon	28.93	870	J

4/21/95

000712
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-36

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4440C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B4984

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 16 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.68~~	~~580~~	~~JNA~~ aldol
2. 80-56-8	.alpha.-Pinene	7.07	180	JN
3. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	14.99	150	JN
4. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	16.03	480	JN
5.	unknown	19.52	240	J
6.	unknown	20.12	2600	J
7.	Unk hydrocarbon	22.08	200	J
8.	Unk hydrocarbon	22.53	390	J
9.	Unk hydrocarbon	23.49	420	J
10.	Unk hydrocarbon	23.90	1100	J
11.	Unk hydrocarbon	24.61	450	J
12.	Unk hydrocarbon	24.83	860	J
13.	Unk polynuclear aromatic	24.98	180	J
14.	Unk hydrocarbon	25.20	1000	J
15.	Unk hydrocarbon	25.26	350	J
16.	Unk hydrocarbon	26.38	790	J
17.	Unk hydrocarbon	26.82	890	J
18.	Unk hydrocarbon	28.43	290	J
19.	Unk hydrocarbon	28.93	490	J
20.	Unk hydrocarbon	30.51	300	J

4/24/95

EPA SAMPLE NO.

A01SS-37

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4441C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B4985

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.66~~	~~430~~	~~JNA~~ aldol
2.	Unk hydrocarbon	7.28	88	J
3.	Unk hydrocarbon	7.37	130	J
4. 108-96-7	Benzene, 2-methyl-1,3,5-trin	16.13	380	JN
5.	unknown	18.36	200	J
6.	Unk polynuclear aromatic	18.48	97	J
7. 35572-78-2	Benzenamine, 2-methyl-3,5-di	18.88	220	JN
8. 243-17-4	11H-Benzo[b]fluorene	20.78	79	JN
9. 238-84-6	11H-Benzo[a]fluorene	21.01	150	JN
10.	Unk polynuclear aromatic	21.25	80	J
11.	Unk polynuclear aromatic	22.14	71	J
12.	Unk polynuclear aromatic	22.37	73	J
13.	Unk hydrocarbon	23.88	110	J
14.	Unk hydrocarbon	24.82	220	J
15. 198-55-0	Perylene	25.81	260	JN
16.	Unk hydrocarbon	26.81	450	J

(16) 4/12/95

EPA SAMPLE NO.

A01SS-38

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4442C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E2868

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 18 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.12~~	~~2300~~	~~JNA~~ (1) 1001
2. 118-96-7	Benzene, 2-methyl-1,3,5-trin	13.88	180	JN
3. 57-10-3	Hexadecanoic acid	15.48	520	JN
4.	unknown	15.53	320	J
5.	Unk substituted aromatic	15.93	200	J
6.	unknown	16.17	160	J
7. 3674-66-6	Phenanthrene, 2,5-dimethyl-	16.28	100	JN
8. 5737-13-3	Cyclopenta(def)phenanthrenon	16.42	140	JN
9.	Unk hydrocarbon	16.73	210	J
10. 243-17-4	11H-Benzo[b]fluorene	17.26	200	JN
11. 238-84-6	11H-Benzo[a]fluorene	17.44	580	JN
12. 3442-78-2	Pyrene, 2-methyl-	17.61	270	JN
13. 2381-21-7	Pyrene, 1-methyl-	17.76	160	JN
14. 2381-21-7	Pyrene, 1-methyl-	17.80	200	JN
15.	Unk hydrocarbon	18.56	210	J
16.	Unk hydrocarbon	19.07	120	J
17. 1705-84-6	Triphenylene, 2-methyl-	19.50	150	JN
18.	Unk hydrocarbon	19.56	240	J
~~19. 50-32-8~~	~~Benzo[a]pyrene~~	~~20.89~~	~~140~~	~~JN~~ TCL
20.	Unk hydrocarbon	21.38	350	J

VG 4/22/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-39

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4443C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E2869

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 15 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. [illegible]	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.13~~	~~2200~~	~~JNA~~ uldol
2. 481-33-0	1,4-Naphthalenedione, 5-hydr	12.37	240	JN
3. 57-10-3	Hexadecanoic acid	15.44	120	JN
4.	Unk hydrocarbon	20.25	930	J
5.	Unk hydrocarbon	20.50	2500	J
6.	Unk hydrocarbon	21.17	530	J
7.	Unk hydrocarbon	21.38	2700	J
8.	Unk hydrocarbon	22.39	650	J

(KB) 4/29/95

000834
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-40

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) SOIL Lab Sample ID: JN4444C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E2870

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 14 decanted: (Y/N) ___ Date Extracted: 11/08/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1 123-42-2	2-Pentanone, 4-hydroxy-4-met	5.12	2500	JNA ~~a~~ ldol

4/19/95

EPA SAMPLE NO.

A01SS-41

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4447C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E2896

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 24 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~650~~	~~JNA~~ alds
2.	Unk hydrocarbon	20.25	230	J
3.	Unk hydrocarbon	20.49	270	J
4.	Unk hydrocarbon	21.17	210	J
5.	Unk hydrocarbon	21.37	200	J
6.	Unk hydrocarbon	22.15	200	J

4/29/95

000852
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-42

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4448C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E2880

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 40 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.10~~	~~480~~	~~JNA~~
2. 80-56-8	.alpha.-Pinene	6.35	340	JN
3. 127-91-3	.beta.-Pinene	7.32	180	JN
4. 483-76-1	Naphthalene, 1,2,3,5,6,8a-he	11.11	260	JN
5.	Unk hydrocarbon	12.02	88	J
6. 31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	12.21	360	JN
7.	Unk hydrocarbon	12.37	420	J
8.	Unk hydrocarbon	13.49	120	J
9. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.76	200	JN
10.	Unk hydrocarbon	14.59	87	J
11.	unknown	15.19	86	J
12.	Unk hydrocarbon	15.36	160	J
13.	Unk hydrocarbon	15.49	460	J
14.	Unk hydrocarbon	15.75	330	J
15.	Unk hydrocarbon	16.33	630	J
16.	Unk hydrocarbon	16.65	1100	J
17.	Unk hydrocarbon	17.31	500	J
18.	Unk hydrocarbon	20.25	270	J
19.	Unk hydrocarbon	21.38	320	J
20.	Unk hydrocarbon	22.38	300	J

4/12/95

EPA SAMPLE NO.

A01SS-42B

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41706

Matrix: (soil/water) SOIL Lab Sample ID: JN5022C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: E3088

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: 31 decanted: (Y/N) ___ Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.65	480	JNA aldol
2. 103-23-1	Hexanedioic acid, bis(2-ethy	17.63	1900	JN

(19) 4/29/95

EPA SAMPLE NO.

A01SS-43

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4449C

Sample wt/vol: 30.7 (g/mL) G Lab File ID: E2897

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 29 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~470~~	~~JNA~~ added
2.	Unk hydrocarbon	6.65	120	J
3.	Unk hydrocarbon	18.54	100	J
4.	Unk hydrocarbon	20.25	120	J
5.	Unk hydrocarbon	21.37	140	J

4/24/95

EPA SAMPLE NO.

A01SS-44

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4450C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E2898

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 13 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~550~~	~~JNA~~ alid

(18) 4/12/95

EPA SAMPLE NO.

A01SS-45

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4451C

Sample wt/vol: 30.7 (g/mL) G Lab File ID: E2899

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 29 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~360~~	~~JNA~~
2.	Unk hydrocarbon	6.65	140	J
3. 57-10-3	Hexadecanoic acid	15.45	95	JN
4.	Unk hydrocarbon	20.49	160	J
5.	Unk hydrocarbon	21.17	140	J
6.	Unk hydrocarbon	21.37	280	J
7.	Unk hydrocarbon	22.38	260	J

4/12/95

000918
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-46

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4452C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E2900

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 15 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~430~~	~~JNA~~ aldol
2.	Unk hydrocarbon	6.66	150	J B

4/19/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: A01SS-47

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4453C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2908

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 18 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.0

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

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 243-17-4	11H-Benzo[b]fluorene	17.43	1900	JN
2.	unknown	17.80	3600	J
3.	Unk substituted aromatic	18.10	5900	J
4.	Unk substituted aromatic	18.25	3200	J
5.	Unk polynuclear aromatic	18.28	4600	J
6. 239-35-0	Benzo[b]naphtho[2,1-d]thioph	18.44	3200	JN
7.	Unk polynuclear aromatic	18.49	3600	J
8.	Unk hydrocarbon	18.55	7300	J
9.	Unk polynuclear aromatic	18.62	3500	J
10.	Unk polynuclear aromatic	18.72	4200	J
11. 1705-84-6	Triphenylene, 2-methyl-	19.49	5100	JN
12.	Unk hydrocarbon	19.56	6400	J
13.	Unk polynuclear aromatic	19.62	3400	J
14.	Unk polynuclear aromatic	19.71	3500	J
15.	Unk polynuclear aromatic	20.01	2800	J
16.	Unk hydrocarbon	20.26	5900	J
~~17. 207-08-9~~	~~Benzo[k]fluoranthene~~	~~20.89~~	~~6400~~	~~JN~~ TCL
18.	Unk hydrocarbon	21.17	5000	J
19.	Unk hydrocarbon	21.38	3200	J
20.	Unk hydrocarbon	22.16	3200	J

EPA SAMPLE NO.

A01SS-49

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4617C

Sample wt/vol: 32.4 (g/mL) G Lab File ID: E2903

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 6 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	2-Pentanone, 4-hydroxy-4-met	5.09	~~560~~	~~JNA~~ al 20
2. 80-56-8	.alpha.-Pinene	6.35	200	JN
3.	unknown	12.92	75	J
4.	Unk hydrocarbon	19.28	94	J
5.	Unk hydrocarbon	19.55	82	J
6.	Unk hydrocarbon	20.26	440	J
7.	Unk hydrocarbon	20.50	500	J
8.	Unk hydrocarbon	21.17	780	J
9.	Unk hydrocarbon	21.38	490	J
10.	Unk hydrocarbon	21.46	310	J
11.	Unk hydrocarbon	22.16	360	J
12.	Unk hydrocarbon	22.39	420	J
13.	Unk hydrocarbon	22.61	140	J
14.	Unk hydrocarbon	23.46	150	J

4/19/95

EPA SAMPLE NO.

A01SS-50

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-A

Matrix: (soil/water) SOIL Lab Sample ID: JN4618C

Sample wt/vol: 33.6 (g/mL) G Lab File ID: E2904

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 11 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~600~~	~~JNA~~ 01 lod
2. 57-10-3	Hexadecanoic acid	15.45	140	JN
3.	Unk hydrocarbon	16.83	97	J
4.	Unk hydrocarbon	18.55	130	J
5.	Unk hydrocarbon	19.55	100	J
6.	Unk hydrocarbon	20.26	500	J
7.	Unk hydrocarbon	20.50	1300	J
8.	Unk hydrocarbon	20.56	210	J
9.	Unk hydrocarbon	21.17	580	J
10.	Unk hydrocarbon	21.39	3100	J
11.	Unk hydrocarbon	22.15	300	J
12.	Unk hydrocarbon	22.40	910	J
13.	Unk hydrocarbon	23.76	190	J

KB 4/24/95

000674
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-51

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4619C

Sample wt/vol: 33.0 (g/mL) G Lab File ID: B4992

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 8 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.99~~	~~690~~	~~JNA~~ alcohol
2.	Unk hydrocarbon	11.38	150	J
3.	Unk hydrocarbon	14.45	130	J
4.	Unk phenolic	15.10	140	J
5.	Unk hydrocarbon	20.55	100	J
6.	Unk hydrocarbon	21.16	280	J
7.	Unk hydrocarbon	21.48	390	J
8.	Unk hydrocarbon	21.56	120	J
9.	Unk hydrocarbon	21.90	100	J
10.	Unk hydrocarbon	22.44	180	J
11.	Unk hydrocarbon	22.74	420	J
12.	Unk hydrocarbon	22.91	290	J
13.	Unk hydrocarbon	23.81	230	J
14.	Unk hydrocarbon	24.16	210	J
15.	Unk hydrocarbon	24.20	240	J
16.	Unk hydrocarbon	25.08	260	J
17.	Unk hydrocarbon	25.44	270	J
18.	Unk hydrocarbon	25.52	130	J
19.	Unk hydrocarbon	26.65	160	J
20.	Unk hydrocarbon	28.13	150	J

CA 4/29/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-52

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19 2h

Matrix: (soil/water) SOIL Lab Sample ID: JN4620C

Sample wt/vol: 39.2 (g/mL) G Lab File ID: B4993

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 22 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.00~~	~~1100~~	~~JNA~~
2. 481-39-0	1,4-Naphthalenedione, 5-hydr	13.22	560	JN
3.	Unk hydrocarbon	21.56	270	J
4.	Unk hydrocarbon	22.92	490	J
5.	Unk hydrocarbon	23.54	240	J
6.	Unk hydrocarbon	23.82	970	J
7.	Unk hydrocarbon	24.19	3300	J
8.	Unk hydrocarbon	24.77	230	J
9.	Unk hydrocarbon	25.09	1400	J
10.	Unk hydrocarbon	25.47	3100	J
11.	Unk hydrocarbon	25.54	720	J
12.	Unk hydrocarbon	25.82	190	J
13.	unknown	26.02	180	J
14.	Unk hydrocarbon	26.22	330	J
15.	Unk hydrocarbon	26.67	570	J
16.	Unk hydrocarbon	27.06	1000	J
17.	Unk hydrocarbon	27.12	660	J
18.	unknown	27.24	290	J
19.	Unk hydrocarbon	28.15	530	J
20.	Unk hydrocarbon	28.80	540	J

4/20/95

000725

EPA SAMPLE NO.

A01SS-53

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19 g

Matrix: (soil/water) SOIL Lab Sample ID: JN4621C

Sample wt/vol: 34.6 (g/mL) G Lab File ID: B4994

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 13 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.00~~	~~980~~	~~JNA~~ rejected
2.	Unk hydrocarbon	11.85	120	J
3. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	15.09	70	JN
4.	Unk hydrocarbon	19.03	650	J
5.	Unk hydrocarbon	19.11	260	J
6.	Unk hydrocarbon	21.57	120	J
7.	Unk hydrocarbon	22.91	230	J
8.	Unk hydrocarbon	23.82	280	J
9.	Unk hydrocarbon	24.16	440	J
10.	Unk hydrocarbon	25.08	360	J
11.	Unk hydrocarbon	25.43	400	J
12.	Unk hydrocarbon	25.52	87	J
13.	Unk hydrocarbon	25.65	69	J
14.	Unk hydrocarbon	26.66	230	J
15.	Unk hydrocarbon	27.10	140	J
16.	Unk hydrocarbon	28.12	130	J

4/12/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-53B

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-3

Matrix: (soil/water) SOIL Lab Sample ID: JN5023C

Sample wt/vol: 25.8 (g/mL) G Lab File ID: E3089

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: 16 decanted: (Y/N) ___ Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.65~~	~~600~~	~~JNA~~ alcol
2. ~~74~~381-40-1	Propanoic acid, 2-methyl-, 1	12.46	110	JN B
3. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.30	78	JN
4. 103-23-1	Hexanedioic acid, bis(2-ethy	17.62	1000	JN

4/22/95

000755
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-54

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4622C

Sample wt/vol: 37.1 (g/mL) G Lab File ID: B4995

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 18 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	3.80	180	J
~~2. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.99~~	~~620~~	~~JNA~~
3. 123-08-0	Benzaldehyde, 4-hydroxy-	11.38	1700	JN
4. 1019-45-0	1H-Indole-3-ethanamine, 5-me	18.20	110	JN
5.	unknown	19.11	300	J
6.	Unk hydrocarbon	21.56	240	J
7. 629-96-9	1-Eicosanol	22.93	570	JN
8.	Unk hydrocarbon	23.54	110	J
9.	Unk hydrocarbon	23.82	490	J
10.	Unk hydrocarbon	24.16	750	J
11.	Unk hydrocarbon	24.44	100	J
12.	Unk hydrocarbon	25.08	580	J
13.	Unk hydrocarbon	25.43	490	J
14.	Unk hydrocarbon	25.51	150	J
15.	Unk hydrocarbon	25.64	130	J
16.	Unk hydrocarbon	25.81	150	J
17.	Unk hydrocarbon	26.01	170	J
18.	Unk hydrocarbon	26.66	430	J
19.	Unk hydrocarbon	28.12	330	J
20.	Unk hydrocarbon	28.78	270	J

4/20/95

000982
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-54B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41706

Matrix: (soil/water) SOIL Lab Sample ID: JN5024C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E3090

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: 19 decanted: (Y/N) ___ Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.66~~	~~830~~	~~JNA~~ aldol
~~2. 74381-40-1~~	~~Propanoic acid, 2-methyl-, 1~~	~~12.46~~	~~190~~	~~JN~~ B
3. 4337-65-9	Hexanedioic acid, mono(2-eth	17.62	410	JN
4.	unknown	19.16	160	J
5.	Unk phthalate	19.56	180	J
6.	Unk phthalate	19.62	290	J
7.	Unk phthalate	19.69	450	J
8.	Unk phthalate	19.76	300	J
9.	Unk phthalate	19.82	680	J
10.	Unk phthalate	19.88	420	J
11.	Unk phthalate	19.95	420	J
12.	Unk phthalate	20.00	280	J
13.	unknown	20.06	420	J
14.	Unk phthalate	20.12	160	J
15. 56554-86-0	17-Octadecenal	20.72	280	JN
16. 593-49-7	Heptacosane	20.93	140	JN
17. 56554-87-1	16-Octadecenal	21.60	240	JN
18.	unknown	22.43	190	J
19. 2765-11-9	Pentadecanal-	22.71	120	JN
20. 1058-61-3	Stigmast-4-en-3-one	23.32	360	JN
21.	unknown	23.96	160	J

4/20/95

000966
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-77

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4454C

Sample wt/vol: 30.9 (g/mL) G Lab File ID: E2905

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 15 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~330~~	~~JNA~~ aldol
2. 84-65-1	9,10-Anthracenedione	15.89	74	JN
3. 2381-21-7	Pyrene, 1-methyl-	17.43	160	JN
4.	Unk polynuclear aromatic	17.60	90	J
5.	Unk polynuclear aromatic	18.10	74	J
6.	Unk polynuclear aromatic	18.28	85	J
7. 239-35-0	Benzo[b]naphtho[2,1-d]thioph	18.44	71	JN
8.	Unk polynuclear aromatic	18.61	77	J
9. 1705-84-6	Triphenylene, 2-methyl-	19.50	93	JN
10.	Unk polynuclear aromatic	19.56	90	J
11.	Unk polynuclear aromatic	19.71	67	J
12.	Unk polynuclear aromatic	20.01	290	J
13.	unknown	20.27	430	J
~~14. 207-08-9~~	Benzo[k]fluoranthene	20.90	~~730~~	~~JN~~ TCL
15.	unknown	21.17	250	J
16.	unknown	21.29	180	J
17.	Unk hydrocarbon	21.37	430	J
18.	Unk hydrocarbon	22.40	180	J

(8) 4/22/95

001005
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-78

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4455C

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E2906

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 34 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~300~~	~~JNA~~ aldol
2.	243-17-4	11H-Benzo[b]fluorene	17.44	470	JN
3.		Unk polynuclear aromatic	17.81	350	J
4.		Unk substituted aromatic	18.11	580	J
5.		unknown	18.24	340	J
6.		Unk polynuclear aromatic	18.29	560	J
7.	239-35-0	Benzo[b]naphtho[2,1-d]thioph	18.44	410	JN
8.		Unk polynuclear aromatic	18.49	510	J
9.		Unk hydrocarbon	18.56	1100	J
10.		Unk polynuclear aromatic	18.63	440	J
11.		Unk polynuclear aromatic	19.05	330	J
12.	3697-24-3	Chrysene, 5-methyl-	19.50	570	JN
13.		Unk hydrocarbon	19.57	710	J
14.		Unk polynuclear aromatic	19.63	310	J
15.		Unk polynuclear aromatic	19.73	490	J
16.	1090-13-7	5,12-Naphthacenedione	20.03	330	JN
17.		Unk hydrocarbon	20.27	860	J
18.		unknown	20.90	880	J
19.		Unk hydrocarbon	21.18	540	J
20.		Unk hydrocarbon	21.39	890	J

001047
EPA SAMPLE NO.

A01SS-79

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4445C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2894

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 11 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~530~~	~~JNA~~ Deleted
2. 57-10-3	Hexadecanoic acid	15.45	160	JN
3.	Unk hydrocarbon	18.55	190	J
4.	unknown	19.03	280	J
5.	Unk hydrocarbon	19.28	98	J
6.	Unk hydrocarbon	19.56	230	J
7.	Unk hydrocarbon	20.26	810	J
8.	Unk hydrocarbon	20.50	720	J
9.	Unk hydrocarbon	20.56	610	J
10.	Unk hydrocarbon	20.72	120	J
11.	Unk hydrocarbon	21.18	2300	J
12.	Unk hydrocarbon	21.38	740	J
13.	Unk hydrocarbon	21.46	130	J
14.	Unk hydrocarbon	22.16	230	J
15.	Unk hydrocarbon	22.40	1100	J
16.	Unk hydrocarbon	22.61	130	J
17.	Unk hydrocarbon	23.19	340	J
18.	Unk hydrocarbon	23.61	160	J

MB 4/29/95

001222

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-79

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19 JA

Matrix: (soil/water) SOIL Lab Sample ID: JN4445C

Sample wt/vol: 34.2 (g/mL) G Lab File ID: E2894

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 11 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~530~~	~~JNA~~ DLOX
2. 57-10-3	Hexadecanoic acid	15.45	160	JN
3.	Unk hydrocarbon	18.55	190	J
4.	unknown	19.03	280	J
5.	Unk hydrocarbon	19.28	98	J
6.	Unk hydrocarbon	19.56	230	J
7.	Unk hydrocarbon	20.26	810	J
8.	Unk hydrocarbon	20.50	720	J
9.	Unk hydrocarbon	20.56	610	J
10.	Unk hydrocarbon	20.72	120	J
11.	Unk hydrocarbon	21.18	2300	J
12.	Unk hydrocarbon	21.38	740	J
13.	Unk hydrocarbon	21.46	130	J
14.	Unk hydrocarbon	22.16	230	J
15.	Unk hydrocarbon	22.40	1100	J
16.	Unk hydrocarbon	22.61	130	J
17.	Unk hydrocarbon	23.19	340	J
18.	Unk hydrocarbon	23.61	160	J

(14) 4/24/95

EPA SAMPLE NO.

A01SS-80

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4456C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: E2901

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 24 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.08~~	~~370~~	~~JNA~~
2.	Unk organic acid	16.77	170	J

4/19/23

001352
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-86

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4630C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2962

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	5.06	440	~~JNA~~ aldol
2. 57-10-3	Hexadecanoic acid	15.44	140	JN
3.	Unk hydrocarbon	19.55	120	J
4.	Unk hydrocarbon	19.60	110	J
5.	Unk hydrocarbon	20.24	570	J
6. 630-06-8	Hexatriacontane	20.49	3000	JN
7.	Unk hydrocarbon	20.56	270	J
8.	Unk hydrocarbon	20.92	220	J
9.	Unk hydrocarbon	21.16	530	J
10.	Unk hydrocarbon	21.38	4100	J
11.	Unk hydrocarbon	22.14	290	J
12.	Unk hydrocarbon	22.38	660	J
13.	Unk hydrocarbon	23.45	350	J

(6) 4/21/95

EPA SAMPLE NO.

A01SS-95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41706

Matrix: (soil/water) SOIL Lab Sample ID: JN5020C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E3093

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: 19 decanted: (Y/N) ___ Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 5.0

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

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	.alpha.-Pinene	5.91	3500	JN
2. 127-91-3	.beta.-Pinene	6.49	9800	JN
3. 13466-78-9	3-Carene	6.89	3000	JN
4.	Unk substituted aromatic	10.65	1100	J
5. 17334-55-3	1H-Cyclopropa[a]naphthalene,	10.82	2200	JN
6. 31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	11.77	2000	JN
7. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.31	1200	JN
8.	unknown	14.15	1500	J
9.	unknown	14.43	4200	J
10.	unknown	17.23	2600	J
11.	unknown	20.05	1400	J
12.	unknown	20.70	2400	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-96

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41706

Matrix: (soil/water) SOIL Lab Sample ID: JN5021C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E3094

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: 15 decanted: (Y/N) ___ Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2381-21-7	Pyrene, 1-methyl-	16.75	1900	JN
2. 243-17-4	11H-Benzo[b]fluorene	16.92	4900	JN
3. 3442-78-2	Pyrene, 2-methyl-	17.09	2600	JN
4.	unknown	17.63	2900	J
5. 82-05-3	7H-Benz[de]anthracen-7-one	17.77	2900	JN
6. 1705-84-6	Triphenylene, 2-methyl-	18.98	3900	JN
7.	Unk substituted aromatic	19.77	3400	J

001055

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: A01SS-96B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41706

Matrix: (soil/water) SOIL Lab Sample ID: JN5025C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: E3091

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: 24 decanted: (Y/N) ___ Date Extracted: 11/16/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	2-Pentanone, 4-hydroxy-4-met	4.66	960	JNA aldol
2. ~~74381-40-1~~	Propanoic acid, 2-methyl-, 1	~~12.46~~	~~200~~	~~JN~~ B
3. 4337-65-9	Hexanedioic acid, mono(2-eth	17.62	100	JN

4/19/95

000208
EPA SAMPLE NO.

A01SS-97

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629/14 SAS No.: _____ SDG No.: A01SS-97

Matrix: (soil/water) SOIL Lab Sample ID: JN5809C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B5283

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: 5 decanted: (Y/N) ___ Date Extracted: 12/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.59~~	~~1100~~	~~JNA~~ NLOOL
2.	unknown	5.05	79	J
3.	unknown	6.01	150	J
4.	unknown	6.08	130	J
~~5. 21400-25-9~~	~~1-Propene, 1,1,2-trichloro-~~	~~6.13~~	~~220~~	~~JN~~ B
6.	~~unknown~~	~~6.17~~	~~490~~	~~J~~ B
7.	~~unknown~~	~~6.27~~	~~710~~	~~J~~ B
8. 99-87-6	Benzene, 1-methyl-4-(1-methy	7.16	78	JN
9. 630-06-8	~~Hexatriacontane~~	~~23.61~~	~~73~~	~~JN~~ B
10. ~~112~~-95-8	Eicosane	~~24.80~~	~~110~~	~~JN~~ B

lg 4/24/95

000224

EPA SAMPLE NO.

A01SS-98

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629IV SAS No.: _____ SDG No.: A0155-97

Matrix: (soil/water) SOIL Lab Sample ID: JN5810C

Sample wt/vol: 30.5 (g/mL) G Lab File ID: B5284

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: 7 decanted: (Y/N) ___ Date Extracted: 12/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123~~-42-2	2-Pentanone, 4-hydroxy-4-met	4.59	1200	~~JNA~~ aldol
2. ~~21400~~-25-9	1-Propene, 1,1,2-trichloro-	6.13	110	JN B
3.	unknown	6.17	210	J B
4.	unknown	6.27	300	J B

KB 4/29/95

000236
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-99

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15239N SAS No.: _____ SDG No.: A01SS-97

Matrix: (soil/water) SOIL Lab Sample ID: JN5811C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B5285

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: 12 decanted: (Y/N) ___ Date Extracted: 12/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	2-Pentanone, 4-hydroxy-4-met	~~4.59~~	~~790~~	~~JNA~~ 7 ldol
~~2. 21400-25-9~~	1-Propene, ~~1,1,~~2-trichloro-	~~6.13~~	~~72~~	~~JN~~ B
~~3.~~	unknown	~~6.17~~	~~150~~	~~J~~ B
~~4.~~	~~unknown~~	~~6.27~~	~~230~~	~~J~~ B
5. 118-96-7	Benzene, 2-methyl-1,3,5-trin	14.65	210	JN

KG 4/24/95

000247
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-100

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629IV SAS No.: _____ SDG No.: A0155-97

Matrix: (soil/water) SOIL Lab Sample ID: JN5812C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B5286

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: 13 decanted: (Y/N) ___ Date Extracted: 12/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.60~~	~~1500~~	~~JNA~~ N 00 V
~~2. 79-34-5~~	~~Ethane, 1,1,2,2-tetrachloro-~~	~~5.65~~	~~79~~	~~JN~~ VOC
~~3. 6137-06-0~~	~~2-Heptanone, 4-methyl-~~	~~6.01~~	~~110~~	~~JN~~ B
4.	unknown	6.08	83	J
~~5. 96-19-5~~	~~1-Propene, 1,2,3-trichloro-~~	~~6.13~~	~~160~~	~~JN~~ B
~~6.~~	~~unknown~~	~~6.18~~	~~320~~	~~J~~ B
~~7.~~	~~unknown~~	~~6.28~~	~~450~~	~~J~~ B
8.	unknown	26.47	380	J
9.	unknown	27.16	85	J

CG 4/29/95

000261
EPA SAMPLE NO.

A01SS-101

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15829N SAS No.: _____ SDG No.: A0155-97

Matrix: (soil/water) SOIL Lab Sample ID: JN5813C

Sample wt/vol: 30.5 (g/mL) G Lab File ID: B5287

Level: (low/med) LOW Date Received: 12/03/94

% Moisture: 26 decanted: (Y/N) ___ Date Extracted: 12/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

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

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.59~~	~~1900~~	~~JNA~~ ul do
2.	unknown	14.57	2800	J
3. 118-96-7	Benzene, 2-methyl-1,3,5-trin	14.76	48000	JN
4.	unknown	16.82	2800	J
5. 618-87-1	Benzenamine, 3,5-dinitro-	16.95	1600	JN
6. 35572-78-2	Benzenamine, 2-methyl-3,5-di	17.32	3300	JN
7.	unknown	17.62	750	J
8. 593-45-3	Octadecane	22.36	840	JN
9. 630-03-5	Nonacosane	22.99	870	JN
10. 629-97-0	Docosane	23.61	1800	JN
11. 198-55-0	Perylene	23.83	760	JN
12. 54833-23-7	Eicosane, 10-methyl-	24.79	1600	JN

4/29/95

001107

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-103A

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41816

Matrix: (soil/water) SOIL Lab Sample ID: JN5855C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B5292

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 12/09/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	2-Pentanone, 4-hydroxy-4-met	4.58	830	~~JNA~~ aldol
2. ~~96-19-5~~	1-Propene, 1,2,3-trichloro-	6.10	~~110~~	~~JN~~ B
3.	unknown	6.16	~~140~~	~~J~~ B
4.	unknown	6.26	~~170~~	~~J~~ B

(LA) 4/12/95

001117

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AO1SS-104

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~AA255-79~~ WA041844

Matrix: (soil/water) SOIL Lab Sample ID: JN6035C

Sample wt/vol: 21.8 (g/mL) G Lab File ID: B5369

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: 28 decanted: (Y/N) ___ Date Extracted: 12/12/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~1.0~~ 5.0

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

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.24~~	~~830~~	~~JNA~~ aldol
2. 99-65-0	Benzene, 1,3-dinitro-	11.48	1700	JN
3. 118-96-7	Benzene, 2-methyl-1,3,5-trin	14.31	27000	JN
4.	unknown	14.57	1300	J
5.	unknown	15.44	3700	J
6.	unknown	15.79	930	J
7.	unknown	16.37	4900	J
8. 618-87-1	Benzenamine, 3,5-dinitro-	16.48	1700	JN
9.	unknown	16.60	980	J
10. 35572-78-2	Benzenamine, 2-methyl-3,5-di	16.91	10000	JN
11.	unknown	17.12	920	J
12. 629-97-0	Docosane	18.30	1100	JN
13.	unknown	18.73	1200	J
14. 55045-08-4	Dodecane, 2-methyl-6-propyl-	19.06	1300	JN
15. ~~112-95-8~~	Eicosane	~~19.79~~	~~2000~~	~~JN~~ B
16. 544-76-3	Hexadecane	20.49	2500	JN
17. 630-01-3	Hexacosane	21.17	2000	JN
18. 55282-14-9	Docosane, 9-butyl-	21.81	2400	JN
19. 13475-76-8	Docosane, 11-butyl-	22.44	3400	JN
20. 629-78-7	Heptadecane	23.06	4300	JN
21. 593-45-3	Octadecane	23.64	2300	JN
22. 629-94-7	Heneicosane	24.22	2600	JN

4/29/95

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001165

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AO1SS-105

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A0255-74~~ N2C41844

Matrix: (soil/water) SOIL Lab Sample ID: JN6036C

Sample wt/vol: 20.7 (g/mL) G Lab File ID: B5328

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: 31 decanted: (Y/N) ___ Date Extracted: 12/12/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/28/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~1.05~~ 10

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

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42~~-2	2-Pentanone, 4-hydroxy-4-met	4.22	730	~~JNA~~ Aldol
2.	unknown	14.09	820	J
3. 118-96-7	Benzene, 2-methyl-1,3,5-trin	14.27	12000	JN
4.	unknown	16.32	460	J
5. 618-87-1	Benzenamine, 3,5-dinitro-	16.45	430	JN
6. 35572-78-2	Benzenamine, 2-methyl-3,5-di	16.79	430	JN
7. 629-92-5	Nonadecane	22.51	350	JN
8. 544-76-3	Hexadecane	23.12	670	JN
9. ~~112-~~95-8	Eicosane	23.70	~~340~~	~~JN~~ B
10. ~~630-06-8~~	Hexatriacontane	24.28	~~460~~	~~JN~~ B
11.	unknown	24.47	340	J

001200
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AO1SS-106

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A02SS-74~~ N2C418244

Matrix: (soil/water) SOIL Lab Sample ID: JN6037C

Sample wt/vol: 23.0 (g/mL) G Lab File ID: B5329

Level: (low/med) LOW Date Received: 12/09/94

% Moisture: 24 decanted: (Y/N) ___ Date Extracted: 12/12/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/28/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~1~~ 10

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

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.22~~	~~1400~~	~~JNA~~ (illegible)
2.	unknown	14.11	2000	J
3. 118-96-7	Benzene, 2-methyl-1,3,5-trin	14.28	29000	JN
4.	unknown	16.32	1400	J
5. 618-87-1	Benzenamine, 3,5-dinitro-	16.44	890	JN
6. 35572-78-2	Benzenamine, 2-methyl-3,5-di	16.81	1500	JN
7. 54833-23-7	Eicosane, 10-methyl-	19.10	820	JN
8. 646-31-1	Tetracosane	19.84	1000	JN
9. 544-76-3	Hexadecane	20.55	1400	JN
10. 7225-64-1	Heptadecane, 9-octyl-	21.22	1200	JN
11. 629-94-7	Heneicosane	21.87	1400	JN
12. 629-92-5	Nonadecane	22.50	1800	JN
13. 55282-14-9	Docosane, 9-butyl-	23.11	2000	JN
~~14. 112-95-8~~	~~Eicosane~~	~~23.70~~	~~1400~~	~~JN~~ B
15. 13475-76-8	Docosane, 11-butyl-	24.27	1100	JN

4/29/95

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001239 EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A01SS-109

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41879

Matrix: (soil/water) SOIL Lab Sample ID: JN6243C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B5319

Level: (low/med) LOW Date Received: 12/13/94

% Moisture: 6 decanted: (Y/N) ___ Date Extracted: 12/17/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	2-Pentanone, 4-hydroxy-4-met	4.69	~~4300~~	~~JNA~~ aldol
2. ~~79~~-34-5	Ethane, 1,1,2,2-tetrachloro-	5.66	98	JN VOC
3.	unknown	6.02	110	J
4.	unknown	6.10	93	J
5.	~~unknown~~	~~6.18~~	~~75~~	~~J~~ B
6.	~~unknown~~	~~6.28~~	~~98~~	~~J~~ B
7.	unknown	13.51	190	J
8.	unknown	15.96	160	J
9. 629-78-7	Heptadecane	23.61	150	JN
10. ~~630-06~~-8	Hexatriacontane	24.80	120	~~JN~~ B
11.	unknown	26.47	74	J

CB 4/24/95

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001255

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-110

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41879

Matrix: (soil/water) SOIL Lab Sample ID: JN6244C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B5320

Level: (low/med) LOW Date Received: 12/13/94

% Moisture: 21 decanted: (Y/N) ___ Date Extracted: 12/17/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	4.69	4600	~~JNA~~ aldol
2. ~~79-34-5~~	~~Ethane, 1,1,2,2-tetrachloro-~~	5.66	~~160~~	~~JN~~ VOC
3. ~~6137~~-06-0	2-Heptanone, 4-methyl-	6.01	~~110~~	~~JN~~ B
4. —	unknown	~~6.10~~	~~86~~	~~J~~ B
5.	unknown	6.93	84	J
6. ~~74381~~-40-1	Propanoic acid, 2-methyl-, 1	13.51	~~170~~	~~JN~~ B
7.	unknown	15.96	250	J
8.	unknown	26.46	140	J
9.	unknown	27.18	94	J

(g) 4/22/95

1F 001270

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-111

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41879

Matrix: (soil/water) SOIL Lab Sample ID: JN6259C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B5321

Level: (low/med) LOW Date Received: 12/14/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 12/17/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	2-Pentanone, 4-hydroxy-4-met	4.69	4900	~~JNA~~ alcohol
2. ~~79-34-5~~	Ethane, 1,1,2,2-tetrachloro-	5.66	~~130~~	~~JN~~ VOC
3. ~~6137-06-0~~	2-Heptanone, 4-methyl-	6.01	85	JN B
4.	unknown	6.08	~~69~~	~~J~~ B
5. ~~74381-40-1~~	Propanoic acid, 2-methyl-, 1	~~13.51~~	~~200~~	~~JN~~ B
6.	unknown	15.96	210	J
7. 629-94-7	Heneicosane	24.80	78	JN

4/24/95

1F 001282

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-112

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41879

Matrix: (soil/water) SOIL Lab Sample ID: JN6260C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B5322

Level: (low/med) LOW Date Received: 12/14/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 12/17/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123~~-42-2	2-Pentanone, 4-hydroxy-4-met	4.64	2100	~~JNA~~ aldol
2. ~~79-34-5~~	Ethane, 1,1,2,2-tetrachloro-	5.66	~~88~~	~~JN~~ VOC
3. ~~6137-06-0~~	2-Heptanone, 4-methyl-	6.01	~~110~~	~~JN~~ B
4.	unknown	6.08	~~90~~	~~J~~ B
5.	unknown	6.18	~~160~~	~~J~~ B
6.	unknown	6.28	230	J
7.	unknown	13.50	190	J
8. 118-96-7	Benzene, 2-methyl-1,3,5-trin	14.65	140	JN
9.	unknown	16.82	80	J
10. 35572-78-2	Benzenamine, 2-methyl-3,5-di	17.31	71	JN

VB 4/14/95

001297

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-113

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41879

Matrix: (soil/water) SOIL Lab Sample ID: JN6286C

Sample wt/vol: 30.9 (g/mL) G Lab File ID: B5323

Level: (low/med) LOW Date Received: 12/15/94

% Moisture: 15 decanted: (Y/N) ___ Date Extracted: 12/17/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.61~~	~~1700~~	~~JNA~~ aldol
2.	unknown	6.28	69	J
~~3. 74381-40-1~~	~~Propanoic acid, 2-methyl-, 1~~	~~13.50~~	~~160~~	~~JN~~ B
4. 118-96-7	Benzene, 2-methyl-1,3,5-trin	14.65	180	JN

(46) 4/29/95

EPA SAMPLE NO.

A02SS-67

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4798C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E3006

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 11 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: ~~15~~ 16 JJ

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	80-56-8	.alpha.-Pinene	6.01	880	JN
2.	127-91-3	.beta.-Pinene	6.59	4000	JN
3.	31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	11.86	660	JN
4.	6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	12.65	840	JN
5.		Unk hydrocarbon	12.81	450	J
6.	6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.43	2100	JN
7.		Unk hydrocarbon	14.55	1200	J
8.		unknown	15.95	860	J
9.		unknown	16.97	700	J
10.		Unk hydrocarbon	19.87	1200	J
11.		Unk hydrocarbon	20.16	2900	J
12.		Unk hydrocarbon	20.82	2100	J
13.		Unk hydrocarbon	21.03	1300	J
14.		Unk hydrocarbon	21.72	910	J
15.		Unk hydrocarbon	21.92	1100	J
16		Unk hydrocarbon	16.44	3400	J

001007
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-68

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4799C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E3007

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 9 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.75~~	~~410~~	~~JNA~~ aldol
2. 65-85-0	Benzoic Acid	8.79	180	JN
3. 103-82-2	Benzeneacetic acid	9.63	440	JN
4. 57-10-3	Hexadecanoic acid	15.11	200	JN
5.	Unk hydrocarbon	16.25	340	J
6.	Unk hydrocarbon	17.96	160	J
7.	Unk hydrocarbon	18.21	230	J
8. ~~630-06-8~~	Hexatriacontane	~~19.22~~	~~220~~	~~JN~~ B
9.	Unk hydrocarbon	19.24	250	J
10.	Unk hydrocarbon	19.90	390	J
11. 629-92-5	Nonadecane	20.16	3300	JN
12. 538-23-8	Glycerol tricaprylate	20.39	280	JN
13.	Unk hydrocarbon	20.82	870	J
14.	Unk hydrocarbon	21.03	1500	J
15.	Unk hydrocarbon	21.26	220	J
16.	Unk hydrocarbon	21.72	840	J
17.	Unk hydrocarbon	21.92	650	J
18.	Unk hydrocarbon	22.11	190	J
19.	Unk hydrocarbon	22.58	250	J
20.	Unk hydrocarbon	23.50	260	J

(G) 4/29/95

001032
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-69

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4800C

Sample wt/vol: 30.7 (g/mL) G Lab File ID: E3008

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 8 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: ~~21~~ 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.75	360	JNA aldo
2. 80-56-8	.alpha.-Pinene	6.01	250	JN
3.	Unk hydrocarbon	10.75	300	J
4. 31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	11.86	460	JN
5.	Unk hydrocarbon	12.02	370	J
6.	Unk hydrocarbon	12.80	380	J
7. 57-10-3	Hexadecanoic acid	15.13	400	JN
8.	unknown	15.95	360	J
9.	unknown	16.08	2300	J
10.	unknown	16.31	4200	J
11.	unknown	16.94	400	J
12.	unknown	17.33	630	J
13. 122-69-0	Cinnamyl cinnamate	18.01	4600	JN
14.	unknown	18.66	470	J
15.	Unk hydrocarbon	19.90	530	J
16.	Unk hydrocarbon	20.16	2800	J
17.	Unk hydrocarbon	20.82	950	J
18.	Unk hydrocarbon	21.03	1700	J
19.	Unk hydrocarbon	21.72	690	J
20.	Unk hydrocarbon	21.93	3400	J
21.	Unk hydrocarbon	22.58	510	J
22	unk hydrocarbon	16.41	860 ~~854~~	J

(LG) 4/29/95

001060

EPA SAMPLE NO.

A02SS-70

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4801C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E3009

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 8 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: ~~19~~ 20 JA

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.76~~	~~380~~	~~JNA~~ 11/01
2. 80-56-8	.alpha.-Pinene	6.01	190	JN
3.	Unk hydrocarbon	10.74	120	J
4.	Unk hydrocarbon	10.91	310	J
5.	Unk hydrocarbon	11.85	150	J
6. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	12.64	320	JN
7.	Unk hydrocarbon	12.76	290	J
8. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.41	970	JN
9.	Unk hydrocarbon	14.50	160	J
10. 57-10-3	Hexadecanoic acid	15.10	150	JN
11.	Unk hydrocarbon	15.91	190	J
12.	Unk hydrocarbon	16.29	710	J
13.	unknown	16.92	150	J
14.	unknown	17.34	520	J
15.	Unk hydrocarbon	19.86	220	J
16.	Unk hydrocarbon	20.80	360	J
17. ~~112-95-8~~	Eicosane	~~21.02~~	~~270~~	~~JN~~ B
18.	Unk hydrocarbon	21.09	220	J
19.	Unk hydrocarbon	21.91	330	J
20	Unk Hydrocarbon	16.37	255	J

4/29/95

001086
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-71

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4802C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: E3010

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 8 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.75~~	~~460~~	~~JNA~~ aldol
2.	Unk hydrocarbon	10.91	170	J
3. 31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	11.85	120	JN
4.	Unk hydrocarbon	12.01	94	J
5.	unknown	12.79	450	J
6. 57-10-3	Hexadecanoic acid	15.10	96	JN
7.	unknown	15.87	68	J
8.	unknown	16.02	200	J
9.	unknown	17.31	91	J
10.	Unk hydrocarbon	20.81	170	J
11.	Unk hydrocarbon	21.91	140	J

4/24/95

001103
EPA SAMPLE NO.

A02SS-72

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4803C

Sample wt/vol: 30.7 (g/mL) G Lab File ID: E3011

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: ~~20~~ 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.76~~	~~350~~	~~JNA~~ aldol
2. 127-91-3	.beta.-Pinene	6.58	260	JN
3. 65-85-0	Benzoic Acid	8.87	320	JN
4.	Unk hydrocarbon	10.92	420	J
5.	unknown	12.81	460	J
6.	Unk hydrocarbon	15.38	240	J
7.	Unk hydrocarbon	15.94	330	J
8.	Unk hydrocarbon	16.05	1000	J
9.	Unk hydrocarbon	16.28	600	J
10.	Unk hydrocarbon	17.33	410	J
11. 122-69-0	Cinnamyl cinnamate	17.97	800	JN
12.	Unk hydrocarbon	19.90	370	J
13.	Unk hydrocarbon	20.15	950	J
14.	Unk hydrocarbon	20.81	590	J
15.	Unk hydrocarbon	21.03	510	J
16.	Unk hydrocarbon	21.09	370	J
17.	Unk hydrocarbon	21.71	300	J
18.	Unk hydrocarbon	21.92	1300	J
19.	Unk hydrocarbon	22.57	390	J
~~20~~ ok	Unk hydrocarbon	23.51	450	J
21	Unk hydrocarbon	16.38	149	J

4/29/95

001130
EPA SAMPLE NO.

A02SS-73

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4804C

Sample wt/vol: 31.0 (g/mL) G Lab File ID: E3012

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123~~-42-2	2-Pentanone, 4-hydroxy-4-met	4.75	~~420~~	~~JNA~~ aldol
2. 65-85-0	Benzoic Acid	8.85	380	JN
3. 57-10-3	Hexadecanoic acid	15.11	230	JN
4.	Unk hydrocarbon	16.03	420	J
5.	Unk hydrocarbon	17.07	320	J
6. 122-69-0	Cinnamyl cinnamate	18.00	5400	JN
7.	Unk hydrocarbon	20.15	580	J
8.	Unk hydrocarbon	21.03	590	J

LG 4/28/95

001143

EPA SAMPLE NO.

A02SS-74

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4805C

Sample wt/vol: 31.0 (g/mL) G Lab File ID: E3013

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 5 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.74~~	~~290~~	~~JNA~~ aldol
2. 65-85-0	Benzoic Acid	8.84	270	JN
3. 2613-89-0	Propanedioic acid, phenyl-	9.61	220	JN
4.	Unk hydrocarbon	16.25	250	J
5. 57-11-4	Octadecanoic acid	16.37	180	JN
6.	Unk hydrocarbon	17.96	270	J
7.	Unk hydrocarbon	19.21	210	J
8.	Unk hydrocarbon	19.24	230	J
9.	Unk hydrocarbon	19.91	450	J
10.	Unk hydrocarbon	20.16	4200	J
11.	Unk hydrocarbon	20.82	900	J
12.	Unk hydrocarbon	21.03	2200	J
13.	Unk hydrocarbon	21.10	280	J
14.	Unk hydrocarbon	21.16	250	J
15.	Unk hydrocarbon	21.26	320	J
16.	Unk hydrocarbon	21.72	850	J
17.	Unk hydrocarbon	21.92	730	J
18.	Unk hydrocarbon	22.57	240	J
19.	Unk hydrocarbon	23.31	330	J
20.	Unk hydrocarbon	23.51	220	J

(LG) 4/29/95

001305

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A02SS-74D

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15628N SAS No.: _____ SDG No.: N2C41844 ~~A02SS-74~~

Matrix: (soil/water) SOIL Lab Sample ID: JN6152C

Sample wt/vol: 25.2 (g/mL) G Lab File ID: B5300

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: 17 decanted: (Y/N) ___ Date Extracted: 12/12/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~123-~~42-2	2-Pentanone, 4-hydroxy-4-met	4.56	660	JNA- aldol
2.	80-56-8	.alpha.-Pinene	5.93	260	JN
3.		unknown	6.25	98	J
4.	31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	12.52	75	JN
5.	483-76-1	Naphthalene, 1,2,3,5,6,8a-he	12.77	82	JN
6.		unknown	18.01	220	J
7.		unknown	19.19	76	J
8.		unknown	19.95	70	J
9.	103-23-1	Hexanedioic acid, bis(2-ethy	20.34	130	JN
10.	122-69-0	Cinnamyl cinnamate	20.60	710	JN
11.		unknown	22.52	230	J
12.		unknown	22.97	79	J
13.		unknown	23.13	140	J
14.	~~84-77-5~~	Didecyl phthalate	~~23.23~~	~~100~~	~~JN~~
15.		Unk organic acid	23.29	100	J
16.		Unk organic acid	23.38	130	J
17.	28553-12-0	1,2-Benzenedicarboxylic acid	23.46	82	JN
18.	13475-75-7	Pentadecane, 8-hexyl-	23.59	190	JN
19.		unknown	24.37	72	J
20.	7225-64-1	Heptadecane, 9-octyl-	24.76	150	JN
21.		unknown	26.41	92	J

4/29/95

EPA SAMPLE NO.

A02SS-75

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4806C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E3036

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 6 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	2-Pentanone, 4-hydroxy-4-met	4.74	~~500~~	~~JNA~~ aldol
2. 65-85-0	Benzoic Acid	8.76	91	JN
3. 57-10-3	Hexadecanoic acid	15.09	70	JN
4.	unknown	16.48	160	J
5.	unknown	17.61	160	J
6.	unknown	17.95	75	J
7.	Unk hydrocarbon	18.20	92	J
8.	Unk hydrocarbon	18.71	72	J
9.	Unk hydrocarbon	19.20	71	J
10.	Unk hydrocarbon	19.89	120	J
11.	Unk hydrocarbon	20.14	210	J
12.	Unk hydrocarbon	20.80	220	J
13.	Unk hydrocarbon	21.01	200	J
14.	Unk hydrocarbon	21.09	290	J
15.	Unk hydrocarbon	21.70	150	J
16.	Unk hydrocarbon	21.91	210	J
17.	Unk hydrocarbon	22.84	170	J
18.	Unk hydrocarbon	23.49	160	J

(G) 4/29/95

001192
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-76

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4807C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E3015

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 12 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123~~-42-2	2-Pentanone, 4-hydroxy-4-met	4.75	360	~~JNA~~ NJ
2. 65-85-0	Benzoic Acid	8.88	410	JN
3.	unknown	10.69	1000	J
4.	unknown	12.76	260	J
5. 57-10-3	Hexadecanoic acid	15.13	300	JN
6.	unknown	15.91	260	J
7.	Unk hydrocarbon	16.26	420	J
8. 57-11-4	Octadecanoic acid	16.38	250	JN
9.	Unk hydrocarbon	17.97	410	J
10.	Unk hydrocarbon	18.93	170	J
11.	Unk hydrocarbon	19.25	260	J
12.	Unk hydrocarbon	19.91	590	J
13.	Unk hydrocarbon	20.15	2100	J
14.	Unk hydrocarbon	20.82	860	J
15.	Unk hydrocarbon	21.03	1200	J
16.	Unk hydrocarbon	21.27	440	J
17.	Unk hydrocarbon	21.71	730	J
18.	Unk hydrocarbon	21.92	1200	J
19.	Unk hydrocarbon	22.57	340	J
20.	Unk hydrocarbon	23.51	320	J

(a) 4/29/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A01SS-79

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4445C

Sample wt/vol: 34.2 (g/mL) G Lab File ID: E2894

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: 11 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	5.09	530	JNA
2. 57-10-3	Hexadecanoic acid	15.45	160	JN
3.	Unk hydrocarbon	18.55	190	J
4.	unknown	19.03	280	J
5.	Unk hydrocarbon	19.28	98	J
6.	Unk hydrocarbon	19.56	230	J
7.	Unk hydrocarbon	20.26	810	J
8.	Unk hydrocarbon	20.50	720	J
9.	Unk hydrocarbon	20.56	610	J
10.	Unk hydrocarbon	20.72	120	J
11.	Unk hydrocarbon	21.18	2300	J
12.	Unk hydrocarbon	21.38	740	J
13.	Unk hydrocarbon	21.46	130	J
14.	Unk hydrocarbon	22.16	230	J
15.	Unk hydrocarbon	22.40	1100	J
16.	Unk hydrocarbon	22.61	130	J
17.	Unk hydrocarbon	23.19	340	J
18.	Unk hydrocarbon	23.61	160	J

001247

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: A02SS-81

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4808C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: E2936

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 8 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.10~~	~~630~~	~~JNA~~
2. 65-85-0	Benzoic Acid	9.20	630	JN
3.	Unk hydrocarbon	11.26	300	J
4. 3856-25-5	Copaene	13.41	180	JN
5. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.76	310	JN
6. 57-10-3	Hexadecanoic acid	15.46	220	JN
7.	Unk hydrocarbon	16.29	510	J
8.	Unk hydrocarbon	16.41	190	J
9.	Unk hydrocarbon	16.61	280	J
10.	Unk hydrocarbon	17.44	300	J
11.	Unk hydrocarbon	18.37	4200	J
12.	Unk hydrocarbon	19.56	240	J
13.	Unk hydrocarbon	20.26	380	J
14.	Unk hydrocarbon	21.17	530	J
15.	Unk hydrocarbon	21.39	3400	J
16.	Unk hydrocarbon	22.16	390	J
17.	Unk hydrocarbon	22.40	650	J

4/29/95

001272

EPA SAMPLE NO.

A02SS-82

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4811C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E2939

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 12 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	2-Pentanone, 4-hydroxy-4-met	5.10	~~710~~	~~JNA~~ aldol
2. 65-85-0	Benzoic Acid	9.19	560	JN
3.	Unk hydrocarbon	11.58	360	J
4. 57-10-3	Hexadecanoic acid	15.44	110	JN
5.	Unk hydrocarbon	17.43	220	J
6.	Unk hydrocarbon	18.35	3200	J
7.	Unk hydrocarbon	19.56	300	J
8.	Unk hydrocarbon	20.50	890	J
9.	Unk hydrocarbon	21.38	690	J

(G) 4/12/95

001287
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-83

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4812C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E2940

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 16 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.10~~	~~690~~	~~JNA~~ aldol
2. 65-85-0	Benzoic Acid	9.18	470	JN
3.	Unk hydrocarbon	11.59	1600	J
4.	Unk hydrocarbon	12.98	210	J
5.	Unk hydrocarbon	13.41	200	J
6. 57-10-3	Hexadecanoic acid	15.45	200	JN
7.	Unk hydrocarbon	16.59	150	J
8.	Unk hydrocarbon	17.28	170	J
9.	Unk hydrocarbon	17.44	320	J
10.	Unk hydrocarbon	18.35	2800	J
11.	Unk hydrocarbon	20.49	610	J
12.	Unk hydrocarbon	21.37	560	J

(KA) 4/12/95

1F

001332 EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-83B

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A02SS-71~~ N2C241844

Matrix: (soil/water) SOIL Lab Sample ID: JN6153C

Sample wt/vol: 27.0 (g/mL) G Lab File ID: B5301

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 12/12/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	4.57	650	JNA aldol
2. 108-10-1	Methyl Isobutyl Ketone	5.98	70	JN
3.	unknown	6.11	220	J
4. 60766-00-9	Butenol, methyl-	6.15	240	JN
5.	unknown	6.25	300	J
6.	Unk substituted aromatic	16.85	83	J
7.	unknown	17.06	69	J
8.	unknown	19.39	88	J
9. ~~103-23~~-1	Hexanedioic acid, bis(2-ethy	20.34	~~81~~	~~JN~~ B
10. 122-69-0	Cinnamyl cinnamate	20.60	1200	JN
11.	unknown	22.96	91	J
12.	Unk organic acid	23.05	89	J
13.	Unk organic acid	23.23	100	J
14.	Unk organic acid	23.29	82	J
15. 28553-12-0	1,2-Benzenedicarboxylic acid	23.37	99	JN
16.	Unk organic acid	23.45	110	J
17. ~~112-95-8~~	~~Eicosane~~	~~23.58~~	~~220~~	~~JN~~ B
18. ~~630~~-06-8	~~Hexatriacontane~~	~~24.76~~	~~84~~	~~JN~~ B
19. 14021-23-9	D-Friedoolean-14-ene, 3-meth	26.40	210	JN
20.	Unk substituted aromatic	26.63	87	J

4/29/95

001305
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-84

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4813C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2946

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 16 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.07~~	~~490~~	~~JNA~~ unidol
2. 593-49-7	Heptacosane	21.37	73	JN

LG 4/29/95

001370
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-87

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4809C

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E2937

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 18 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.10~~	~~740~~	~~JNA~~ aldol
2.	Unk hydrocarbon	11.58	430	J
3.	Unk hydrocarbon	12.10	260	J
4.	Unk hydrocarbon	18.36	3200	J
5.	Unk hydrocarbon	19.60	230	J
6.	Unk hydrocarbon	22.76	1100	J

(12) 4/29/95

001383

EPA SAMPLE NO.

A02SS-88

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4810C

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E2938

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 10 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.09~~	~~560~~	~~JNA~~ aldo
2.	80-56-8	.alpha.-Pinene	6.35	250	JN
3.	103-82-2	Benzeneacetic acid	9.91	220	JN
4.		Unk hydrocarbon	11.26	330	J
5.		Unk hydrocarbon	12.37	200	J
6.	6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.76	240	JN
7.		Unk hydrocarbon	15.76	250	J
8.		Unk hydrocarbon	16.29	280	J
9.		Unk hydrocarbon	16.43	570	J
10.		Unk hydrocarbon	18.35	1600	J
11.		Unk hydrocarbon	18.57	240	J
12.		Unk hydrocarbon	19.56	200	J
13.		Unk hydrocarbon	19.61	470	J
14.	629-80-1	Hexadecanal	20.26	640	JN
15.		Unk hydrocarbon	20.51	3600	J
16.		Unk hydrocarbon	21.17	800	J
17.		Unk hydrocarbon	21.38	2000	J
18.		Unk hydrocarbon	21.64	370	J
19.		Unk hydrocarbon	22.15	550	J
20.		Unk hydrocarbon	22.39	1100	J

(lq) 4/29/95

001412
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A02SS-89

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4814C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2947

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 13 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.07~~	~~670~~	~~JNA~~ a\ \ol
2. 65-85-0	Benzoic Acid	9.16	530	JN
3.	Unk hydrocarbon	11.57	340	J
4.	Unk hydrocarbon	17.43	240	J
5.	Unk hydrocarbon	18.35	4200	J
6.	Unk hydrocarbon	20.49	480	J
7.	Unk hydrocarbon	21.37	400	J

4/22/95

EPA SAMPLE NO.

A02SS-91

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4815C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E2948

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 12 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A02SS-92

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4816C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E2949

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 14 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.06~~	~~590~~	~~JNA~~ aldol
2.	~~Unk hydrocarbon~~	~~6.64~~	~~150~~	~~J~~ B
3.	Unk hydrocarbon	20.48	160	J
4.	Unk hydrocarbon	21.36	200	J
5.	Unk hydrocarbon	22.38	160	J

(19) 4/22/15

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

001358 EPA SAMPLE NO.

A02SS-92B

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A02SS-74~~ N2C41844

Matrix: (soil/water) SOIL Lab Sample ID: JN6154C

Sample wt/vol: 25.9 (g/mL) G Lab File ID: B5302

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: 15 decanted: (Y/N) ___ Date Extracted: 12/12/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	2-Pentanone, 4-hydroxy-4-met	4.58	~~1900~~	~~JNA~~ aldol
2. 105-42-0	2-Hexanone, 4-methyl-	5.99	~~110~~	~~JN~~ B
3.	unknown	6.11	160	J
4.	unknown	6.15	170	J
5.	unknown	6.25	210	J
6. 87-44-5	Caryophyllene	11.70	170	JN
7.	unknown	13.38	160	J
8. 119-75-5	Benzenamine, 2-nitro-N-pheny	17.15	250	JN
9. 4337-65-9	Hexanedioic acid, mono(2-eth	20.33	82	JN
10. 122-69-0	Cinnamyl cinnamate	20.58	490	JN
11.	unknown	22.96	120	J
12. 89-16-7	1,2-Benzenedicarboxylic acid	23.04	97	JN
13. 28553-12-0	1,2-Benzenedicarboxylic acid	23.14	76	JN
14. 1330-96-7	1,2-Benzenedicarboxylic acid	23.23	140	JN
15.	Unk organic acid	23.29	95	J
16. ~~84-77-5~~	~~Didecyl phthalate~~	~~23.38~~	~~110~~	~~JN~~ B
17.	Unk organic acid	23.45	100	J
18. ~~112-95-8~~	~~Eicosane~~	~~23.58~~	~~460~~	~~JN~~ B
19. 629-94-7	Heneicosane	24.18	71	JN
20. 7225-64-1	Heptadecane, 9-octyl-	24.77	420	JN
21. 630-01-3	Hexacosane	26.17	92	JN

(Lq) 4/29/95

001449

EPA SAMPLE NO.

A02SS-93

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4817C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E2950

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 12 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	5.07	520	JNA aldol
2. 57-10-3	Hexadecanoic acid	15.43	120	JN
3.	Unk hydrocarbon	20.49	250	J
4.	Unk hydrocarbon	21.37	250	J
5.	Unk hydrocarbon	22.14	88	J
6.	Unk hydrocarbon	22.38	120	J

(15) 4/20/95

1F

001386

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A02SS-93B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41879

Matrix: (soil/water) SOIL Lab Sample ID: JN6242C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B5318

Level: (low/med) LOW Date Received: 12/13/94

% Moisture: 15 decanted: (Y/N) ___ Date Extracted: 12/17/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	2-Pentanone, 4-hydroxy-4-met	~~4.67~~	~~3300~~	~~JNA~~ aldol
2. 65-85-0	Benzoic Acid	8.75	77	JN
3. 103-82-2	Benzeneacetic acid	9.63	70	JN
4. 88-19-7	Benzenesulfonamide, 2-methyl	13.88	440	JN
5. 70-55-3	Benzenesulfonamide, 4-methyl	14.37	1500	JN
6.	unknown	15.97	240	J
7. 112-92-5	1-Octadecanol	22.59	73	JN
8. 7225-64-1	Heptadecane, 9-octyl-	23.62	440	JN
~~9. 630-06-8~~	~~Hexatriacontane~~	~~24.21~~	~~82~~	~~JN~~ B
10. 629-92-5	Nonadecane	24.80	390	JN
11.	unknown	24.98	440	J
12. 646-31-1	Tetracosane	26.22	90	JN
13.	unknown	26.47	130	J

CG 4/19/95

001461

EPA SAMPLE NO.

A02SS-94

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix: (soil/water) SOIL Lab Sample ID: JN4818C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2951

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: 11 decanted: (Y/N) ___ Date Extracted: 11/15/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.07~~	~~930~~	~~JNA~~ aldol
2. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.74	86	JN
3. 57-10-3	Hexadecanoic acid	15.43	84	JN
4.	Unk hydrocarbon	16.57	66	J
5.	Unk hydrocarbon	18.32	150	J
6.	Unk hydrocarbon	19.61	120	J
7.	Unk hydrocarbon	20.49	330	J
8.	Unk hydrocarbon	21.16	82	J
9.	Unk hydrocarbon	21.37	330	J
10.	Unk hydrocarbon	21.45	190	J
11.	Unk hydrocarbon	22.14	100	J
12.	Unk hydrocarbon	22.38	150	J
13.	Unk hydrocarbon	22.60	72	J

(9) 4/29/95

001404

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A02SS-107C

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A02SS-74~~ N2C41844

Matrix: (soil/water) SOIL Lab Sample ID: JN6155C

Sample wt/vol: 26.0 (g/mL) G Lab File ID: B5303

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: 14 decanted: (Y/N) ___ Date Extracted: 12/12/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.57~~	~~530~~	~~JNA~~ aldol
2. 80-56-8	.alpha.-Pinene	5.93	110	JN
3.	unknown	6.15	120	J
4.	unknown	6.25	140	J
5. 123-79-5	Hexanedioic acid, dioctyl es	20.32	300	JN
6. 122-69-0	Cinnamyl cinnamate	20.58	330	JN
7.	Unk organic acid	22.61	220	J
8. 28553-12-0	1,2-Benzenedicarboxylic acid	22.88	170	JN
9.	Unk organic acid	22.97	340	J
10.	Unk organic acid	23.05	470	J
11.	Unk organic acid	23.14	330	J
12.	Unk organic acid	23.23	420	J
13.	Unk organic acid	23.29	410	J
14.	Unk organic acid	23.38	400	J
15.	Unk organic acid	23.46	270	J
16.	Unk organic acid	23.55	360	J
17.	Unk organic acid	23.63	120	J
18.	Unk organic acid	23.71	110	J
19.	unknown	24.76	160	J
20.	unknown	24.96	450	J
21.	unknown	26.41	110	J

(18) 4/29/95

1F

001431

EPA SAMPLE NO.

A02SS-108A

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A02SS-74~~ N2C41844

Matrix: (soil/water) SOIL Lab Sample ID: JN6156C

Sample wt/vol: 24.3 (g/mL) G Lab File ID: B5304

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: 19 decanted: (Y/N) ___ Date Extracted: 12/12/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	4.60	1700	~~JNA~~ aldol
2. 80-56-8	.alpha.-Pinene	5.94	2000	JN
3. 79-92-5	Camphene	6.15	150	JN
~~4. 5989-54-8~~	~~Cyclohexene, 1-methyl-4-(1-m~~	~~7.19~~	~~180~~	~~JN~~ preserva
5. 87-44-5	Caryophyllene	11.69	110	JN
6.	unknown	13.50	110	J
7. 483-78-3	Naphthalene, 1,6-dimethyl-4-	15.60	93	JN
8. 1740-19-8	1-Phenanthrenecarboxylic aci	20.15	120	JN
~~9. 103-23-1~~	~~Hexanedioic acid, bis(2-ethy~~	20.33	~~190~~	~~JN~~ B
10.	Unk organic acid	22.54	230	J
11.	unknown	23.06	340	J
12.	Unk organic acid	23.24	250	J
13.	Unk organic acid	23.31	240	J
14. 28553-12-0	1,2-Benzenedicarboxylic acid	23.39	280	JN
15.	Unk organic acid	23.47	200	J
16. 629-99-2	Pentacosane	23.58	280	JN
17.	Unk phthalate	23.63	120	J
18.	unknown	24.66	140	J
19.	unknown	24.76	430	J
20. 16840-84-9	10-Nonadecanol	24.90	980	JN
21. 7098-22-8	Tetratetracontane	26.17	110	JN
22. 83-47-6	.gamma.-Sitosterol	27.15	210	JN

KG 4/20/95

000780
EPA SAMPLE NO.

A05SS-56

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-19

Matrix: (soil/water) SOIL Lab Sample ID: JN4623C

Sample wt/vol: 37.5 (g/mL) G Lab File ID: B4996

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 18 decanted: (Y/N) ___ Date Extracted: 11/11/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.99~~	~~450~~	~~JNA~~ add
2. 80-56-8	.alpha.-Pinene	6.36	84	JN
3.	unknown	6.58	120	J
4.	Unk hydrocarbon	6.68	100	J
5. 94-59-7	1,3-Benzodioxole, 5-(2-prope	10.65	2800	JN
6.	Unk hydrocarbon	16.58	74	J
7.	Unk hydrocarbon	17.74	210	J
8.	Unk hydrocarbon	18.66	1300	J
9.	Unk hydrocarbon	23.67	81	J
10.	Unk hydrocarbon	25.43	280	J
11.	Unk hydrocarbon	27.09	67	J

(VG) 4/24/95

000797
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A05SS-58

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4624C

Sample wt/vol: 30.7 (g/mL) G Lab File ID: E2956

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 13 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unk hydrocarbon	5.07	490	J
2. 80-56-8	.alpha.-Pinene	6.34	200	JN
3. 471-84-1	Bicyclo[2.2.1]heptane, 7,7-d	6.52	190	JN
4.	Unk hydrocarbon	11.09	170	J
5.	Unk hydrocarbon	11.25	630	J
6. 31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	12.20	270	JN
7.	Unk hydrocarbon	12.37	320	J
8. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	12.97	200	JN
9. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.75	590	JN
10. 57-10-3	Hexadecanoic acid	15.44	110	JN
11.	Unk hydrocarbon	15.75	220	J
12.	Unk hydrocarbon	16.28	450	J
13.	unknown	16.42	2000	J
14.	unknown	17.69	250	J
15.	unknown	20.23	340	J
16.	Unk hydrocarbon	20.49	560	J
17.	Unk hydrocarbon	21.17	610	J
18.	Unk hydrocarbon	21.37	510	J
19.	Unk hydrocarbon	22.38	360	J
~~20.~~	~~Unk~~			

EPA SAMPLE NO.

A05SS-59

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4625C

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2957

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 14 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	2-Pentanone, 4-hydroxy-4-met	5.08	900	~~JNA~~ alcol

(12) 4/22/95

000842
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A05SS-60

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4626C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E2958

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 19 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.07~~	~~590~~	~~JNA~~ 12/20/
2.	Unk hydrocarbon	11.25	110	J
3.	Unk hydrocarbon	12.01	170	J
4. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.74	130	JN
5. 57-10-3	Hexadecanoic acid	15.46	230	JN
6.	Unk hydrocarbon	15.60	340	J
7.	Unk hydrocarbon	15.72	300	J
8.	Unk hydrocarbon	15.80	120	J
9.	Unk hydrocarbon	16.23	180	J
10.	Unk hydrocarbon	16.61	250	J
11.	Unk hydrocarbon	17.27	210	J
12.	Unk hydrocarbon	17.65	120	J
13.	unknown	19.03	400	J
14.	unknown	20.24	340	J
15.	unknown	20.49	420	J
16.	Unk hydrocarbon	21.17	330	J
17.	Unk hydrocarbon	21.37	320	J
18.	Unk hydrocarbon	22.15	230	J
19.	Unk hydrocarbon	22.38	550	J
20.	unknown	23.59	200	J

4/29/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000873

A05SS-62

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4631C

Sample wt/vol: 30.9 (g/mL) G Lab File ID: E3038

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 18 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.75~~	~~350~~	~~JNA~~ aldol
2. 80-56-8	.alpha.-Pinene	6.00	110	JN
3. 127-91-3	.beta.-Pinene	6.57	190	JN
4.	Unk hydrocarbon	10.91	480	J
5.	Unk hydrocarbon	11.66	76	J
6. 31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	11.85	340	JN
7. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	12.63	98	JN
8.	Unk hydrocarbon	13.15	84	J
9. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.40	200	JN
10.	Unk hydrocarbon	14.24	110	J
11.	Unk hydrocarbon	14.52	340	J
12.	Unk hydrocarbon	15.93	360	J
13.	Unk hydrocarbon	16.05	350	J
14.	Unk hydrocarbon	16.92	200	J
15.	Unk hydrocarbon	17.32	150	J
16.	Unk hydrocarbon	17.91	150	J
17.	Unk hydrocarbon	19.63	690	J
18.	Unk hydrocarbon	19.86	730	J
19.	Unk hydrocarbon	20.14	380	J
20.	Unk hydrocarbon	20.80	250	J
21	unk hydrocarbon	16.45	450	J

4/22/95

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A05SS-63

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4627C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E2959

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 17 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found:- 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	2-Pentanone, 4-hydroxy-4-met	5.07	~~580~~	~~JNA~~ aldol
2.	Unk hydrocarbon	21.16	160	J
3.	Unk hydrocarbon	21.37	190	J
4.	Unk hydrocarbon	22.15	220	J

4/12/95

000919

EPA SAMPLE NO.

A05SS-64

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4628C

Sample wt/vol: 24.4 (g/mL) G Lab File ID: E2960

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 3 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	2-Pentanone, 4-hydroxy-4-met	5.08	640	~~JNA~~ aldol
2. 57-10-3	Hexadecanoic acid	15.45	280	JN
3.	Unk hydrocarbon	16.59	270	J
4.	Unk hydrocarbon	16.71	250	J
5.	Unk hydrocarbon	18.57	94	J
6.	Unk hydrocarbon	19.61	210	J
7.	Unk hydrocarbon	20.25	280	J
8.	Unk hydrocarbon	20.49	880	J
9.	Unk hydrocarbon	21.17	330	J
10.	Unk hydrocarbon	21.37	570	J
11.	Unk hydrocarbon	21.69	300	J
12.	Unk hydrocarbon	22.15	310	J
13.	Unk hydrocarbon	22.38	530	J

4/22/95

EPA SAMPLE NO.

A05SS-65

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4629C

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E2961

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 13 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	2-Pentanone, 4-hydroxy-4-met	5.07	~~450~~	~~JNA~~
2. 80-56-8	.alpha.-Pinene	6.34	150	JN
3.	Unk hydrocarbon	11.25	270	J
4.	Unk hydrocarbon	12.36	120	J
5. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	12.97	170	JN
6. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.75	400	JN
7.	Unk hydrocarbon	16.40	130	J
8.	unknown	17.28	110	J
9.	Unk hydrocarbon	18.56	200	J
10.	Unk hydrocarbon	19.55	130	J
11.	Unk hydrocarbon	19.60	160	J
12.	Unk hydrocarbon	19.98	310	J
13.	Unk hydrocarbon	20.23	680	J
14.	Unk hydrocarbon	20.49	1300	J
15.	Unk hydrocarbon	20.56	270	J
16.	Unk hydrocarbon	21.17	680	J
17.	Unk hydrocarbon	21.37	850	J
18.	Unk hydrocarbon	22.15	490	J
19.	Unk hydrocarbon	22.38	730	J
20.	Unk hydrocarbon	16.72	211	J

4/29/95

EPA SAMPLE NO.

A05SS-66

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4632C

Sample wt/vol: 30.8 (g/mL) G Lab File ID: E3004

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 19 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.74~~	~~480~~	~~JNA~~
2. 57-10-3	Hexadecanoic acid	15.10	73	JN
3.	Unk hydrocarbon	16.01	87	J
4.	Unk hydrocarbon	16.24	100	J
5.	Unk hydrocarbon	21.02	120	J
6.	Unk hydrocarbon	22.58	89	J
7.	Unk hydrocarbon	23.50	84	J

4-methyl-2-pentanol

4-methyl-2-pentanol

001314
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A05SS-85

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix: (soil/water) SOIL Lab Sample ID: JN4633C

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E3005

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 17 decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~4.74~~	~~460~~	~~JNA~~ aldol
2.	~~Unk hydrocarbon~~	~~6.22~~	~~340~~	~~J~~ B
3.	~~Unk hydrocarbon~~	~~6.31~~	~~350~~	~~J~~ B
4.	Unk hydrocarbon	10.91	200	J
5. 31983-22-9	Naphthalene, 1,2,4a,5,6,8a-h	11.85	140	JN
6.	Unk hydrocarbon	12.00	140	J
7. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	12.63	87	JN
8. 6627-88-9	Phenol, 2,6-dimethoxy-4-(2-p	13.40	220	JN
9.	Unk hydrocarbon	14.24	130	J
10.	Unk hydrocarbon	14.50	220	J
11.	Unk hydrocarbon	15.87	83	J
12.	Unk hydrocarbon	16.02	400	J
13.	Unk hydrocarbon	19.63	280	J
14.	Unk hydrocarbon	19.86	100	J
15. ~~207-08-9~~	~~Benzo[k]fluoranthene~~	~~20.08~~	~~120~~	~~JN~~ TCL
16.	Unk hydrocarbon	20.15	160	J
17.	Unk hydrocarbon	20.80	140	J
18.	Unk hydrocarbon	21.02	98	J
19.	Unk hydrocarbon	23.50	85	J

4/20/95

001080

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A05SS-102

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41816

Matrix: (soil/water) SOIL Lab Sample ID: JN5856C

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B5293

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: 25 decanted: (Y/N) ___ Date Extracted: 12/09/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~ 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.57	810	~~JNA~~ aldo
2.	unknown	6.25	93	J
3. 1120-21-4	Undecane	8.00	86	JN
4. 481-39-0	1,4-Naphthalenedione, 5-hydr	12.68	2100	JN
5.	Unk aldehyde or ketone	13.45	600	J
6. 150-86-7	Phytol	18.47	110	JN
7.	unknown	19.28	84	J
8. 629-97-0	Docosane	19.58	70	JN
9.	unknown	19.67	150	J
~~10. 103-23-1~~	Hexanedioic acid, bis(2-ethy	20.34	91	~~JN~~ B
11.	unknown	20.44	100	J
12.	unknown	20.52	120	J
13.	unknown	21.36	200	J
14.	unknown	21.98	81	J
15. 13475-75-7	Pentadecane, 8-hexyl-	22.34	130	JN
16.	unknown	23.24	220	J
17. ~~630-06-8~~	~~Hexatriacontane~~	~~23.59~~	~~270~~	~~JN~~ B
18. 2765-11-9	Pentadecanal-	24.47	150	JN
19. 7225-64-1	Heptadecane, 9-octyl-	24.77	170	JN
20. 7390-81-0	Oxirane, hexadecyl-	25.81	130	JN
21.	unknown	26.14	480	J

(12) 4/29/95

1F 001474 EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FB01A/B

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1C41704

Matrix: (soil/water) WATER Lab Sample ID: JN5026C

Sample wt/vol: 950 (g/mL) ML Lab File ID: E3097

Level: (low/med) LOW Date Received: 11/14/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/23/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 128-37-0	Butylated Hydroxytoluene	11.82	5	JN
2. 119-61-9	Benzophenone	12.84	6	JN

EPA SAMPLE NO.

FRINSTATE

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15289N SAS No.: _____ SDG No.: AD155-06

Matrix: (soil/water) WATER Lab Sample ID: JN4355C

Sample wt/vol: 470 (g/mL) ML Lab File ID: A4635

Level: (low/med) LOW Date Received: 11/04/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/07/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~1.0~~ 2.1 JH

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	5.93	5	JNA
2. 128-37-0	Butylated Hydroxytoluene	14.51	7	JN
3. 74381-40-1	Propanoic acid, 2-methyl-, 1	15.40	5	JN

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: A01SS-2A/B

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 156294 SAS No.: _____ SDG No.: A01SS-15

Matrix: (soil/water) WATER Lab Sample ID: JN4457C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A4636

Level: (low/med) LOW Date Received: 11/05/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/07/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 128-37-0	Butylated Hydroxytoluene	14.52	5	JN
2. 74381-40-1	Propanoic acid, 2-methyl-, 1	15.41	8	JN
3. 119-61-9	Benzophenone	15.96	32	JN

001480
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RB-05B
RINSATE BLANK #5

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1C41700

Matrix: (soil/water) WATER Lab Sample ID: JN4635C

Sample wt/vol: 470 (g/mL) ML Lab File ID: E2927

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~1.0~~ 2.1

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

001485
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RB-06A/B1

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1C41700

Matrix: (soil/water) WATER Lab Sample ID: JN4819C

Sample wt/vol: 470 (g/mL) ML Lab File ID: E2928

Level: (low/med) LOW Date Received: 11/11/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/94

Injection Volume: 2.00 (uL) Dilution Factor: ~~1.0~~ 2.1 jh

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F 001481

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

R-8

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1C41813

Matrix: (soil/water) WATER Lab Sample ID: JN5857C

Sample wt/vol: 980 (g/mL) ML Lab File ID: B5259

Level: (low/med) LOW Date Received: 12/07/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/09/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/20/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

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

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.58	3	JNA
2. 119-61-9	Benzophenone	13.91	3	JN
3. 103-23-1	Hexanedioic acid, bis(2-ethy	20.32	2	JN
4.	Unk phthalate	22.95	4	J
5.	Unk phthalate	23.13	3	J
6.	Unk phthalate	23.22	3	J
7.	Unk phthalate	23.29	3	J
8. 84-77-5	Didecyl phthalate	23.38	3	JN

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

001464

EPA SAMPLE NO.

A02SS-RIN9

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1C41843

Matrix: (soil/water) WATER Lab Sample ID: JN6157C

Sample wt/vol: 960 (g/mL) ML Lab File ID: B5311

Level: (low/med) LOW Date Received: 12/10/94

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 12/14/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/22/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.60	6	JNA
2. 301-02-0	9-Octadecenamide, (Z)-	22.96	4	JN
3. 630-07-9	Pentatriacontane	23.62	7	JN
4. 630-06-8	Hexatriacontane	24.80	8	JN

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001344

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: Naval Weapons Sta. (09E3) — b. Generating Location: Yorktown, Va

Address: PO Drawer 160, Yorktown, Va 23691 — d. Address: Jefferson Rd area

No.: — f. Phone No.: 804-887-4536

If of the generating facility differs from the generator, provide:

Name: — h. Owner's Phone No.:

WASTE CODE: NA

Description of Waste: general debris containing friable non friable asbestos

k. Quantity	Units	Containers No.	Containers TYPE
50	YD	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and in proper condition for transportation according to applicable regulations.

Bernard Sotherlin — Authorized Agent Name; Bernard Sotherlin — Signature; 9/3/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d: Transporter I complete e-g)

TRANSPORTER I

J & Bryant

Address: Rt 3 Box 214C, Lynchburg, Va 24564 — d. Phone No.: 804-993-7216 — e. Truck No.:

f. Vehicle License No./State: CT 40-971 VA

Acknowledgement of Receipt of Materials.

Name & Title: James Kyle / Driver — Print/Type

g. X James Kyle — Driver Signature — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Name: BFI King & Queen Landfill — c. Phone No.: 804 785-3146

Physical Address: 1020 Iris Rd, Little Plymouth, Va 23091 — d. Mailing Address: Same

Agency Indication Space:

I certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Authorized Agent — Signature — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

Operator's* Name: Olin Corp/Ac enc Cont # N62470-93-D-3032 — b. Operator's* Phone No.: 804-[illegible]

Operator's* Address: PO Box 148, Lachey Va 23094

Handling Instructions and additional information: Danger asbestos, avoid creating dust. Dust generation [illegible]

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Name & Title: Eugene Norberg — Print/Type; Project Superintendent — Operator's* Signature; 9/6/94 — Date

Address of Agency: Olin Corp Holyoke PO Box 551, Hindley Ohio 45839

Friable: 50% Non-friable; ___ Both ___ % friable 50% % nonfriable

* refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

34.33 tons

280-7208-COM

IAL WASTE & ASBESTOS MANIFEST

No. 00[illegible]

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

on I — GENERATOR (Generator completes all of Section I)

Generator Name: Naval Weapons Sta. [illegible]
b. Generating Location: [illegible]
Address: PO Drawer 160 Yorktown, Va. 23691
d. Address: Jeaque Rd [illegible]
Phone No.:
f. Phone No.: 804-887-[illegible]
Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:
FI WASTE CODE NA
Description of Waste: General debris containing non hazardous non-friable asbestos
k. Quantity: 50
Units: Y3
Containers: No. 1 TYPE T

TYPE: DM - METAL DRUM; DB - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG; W - WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M3 - CUBIC METERS; M3 - CUBIC YARDS; O - OTHER

ereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is t a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged d is in proper condition for transportation according to applicable regulations.

BERNARD Setterholm — Bernard Setterholm — 9/24/94
erator Authorized Agent Name — Signature — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J. S. Bryant
d. Phone No.: 804-993-[illegible]
Address: Rt 3 Box 214C Lynchburg Va. 24504
f. Vehicle License No./State: CT 46 03[illegible]
Acknowledgement of Receipt of Materials:
Name/Title: Willa Kyle
Print/Type
g. X [signature]
Driver Signature — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI - King & Queen Landfill
c. Phone No.: 804-785-2146
Physical Address: 1000 Iris Rd. Little Plymouth Va. 23091
d. Mailing Address: Same

Discrepancy Indication Space:
hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

ame of Authorized Agent — Signature — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator completes e)

Operator's* Name: OHM Corp/Re: RAC Cont. # N62470-93-[illegible]
b. Operator's* Phone No.: 804-[illegible]
Operator's* Address: PO. Box 148 Luckey, Va. 23694
Special Handling Instructions and additional information: Danger asbestos, avoid creating dust dont puncture bags

ERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed rked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

perator's* Name & Title: E. WARE WARGUNTON — Project Superintendent
Print/Type — Operator's* Signature

d Address sible Agency: Ohm Corp. Hdqrts. P.O. Box 551, Findlay, Ohio 45839

Approx 500 y

____ Friable; ____ Non-friable; ____ Both; ____ % friable; 100 % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or bot

3 — GENERATOR RETAIN — 33 115 to 42 — 280-7208-CO

[illegible]L WASTE & ASBESTOS MANIFEST

No. [illegible]

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

S[illegible]on I — GENERATOR (Generator completes all of Section I)

Generator Name: Naval Weapons Sta. (09[illegible])
b. Generating Location: Yorktown
Address: PO Drawer 160
Yorktown, Va. 23691
d. Address: Seaport Rd [illegible]
Phone No.:
f. Phone No.: 804-[illegible]887-[illegible]
Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:
NFI WASTE CODE: NA
Description of Waste: general debris containing non-hazardous non-friable asbestos
k. Quantity: 50
Units: Y3
Containers No.: 1
Containers Type:

TYPE	
DM	METAL DRUM
DP	PLASTIC DRUM
BA	BAG
BA	FLEXIBLE BAG
T	TRUCK
O	OTHER

UNITS	
P	POUNDS
Y	YARDS
M³	CUBIC METERS
Y³	CUBIC YARDS
O	OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Bernard Sutterlin — Generator Authorized Agent Name
Bernard Sutterlin — Signature
9/3/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d: Transporter I complete e-g)

TRANSPORTER I

Name: J S Bryant
d. Phone No.: 804-493-2276
Truck No.:
Address: Rt 3 Box 214C
Lynchburg, Va. 24504
f. Vehicle License No./State: CT 410 493-[illegible]
Acknowledgement of Receipt of Materials

Driver Name/Title: Print/Type
g. Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d: destination site completes e-f)

Site Name: BFI - King & Queen Landfill
c. Phone No.: 804-785-[illegible]
Physical Address: 1000 Iris Rd
Little Plymouth, Va 23091
d. Mailing Address: Same

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

Operator's* Name: Olin Corp/re: RAC Cont. # NGD 970-43-[illegible]
b. Operator's* Phone No.:
Operator's* Address: PO Box 148, Lackey, Va. 23694
Special Handling Instructions and additional information: Danger asbestos, avoid creating dust [illegible]

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E. WARE WARRINGTON — Print/Type
Project Supervisor — Operator's* Signature

Name and Address of Responsible Agency: Olin Corp Integrts. PO Box 551, Findlay Ohio 45839

Friable: approx 50 cy; Non-friable: ____; Both ____; % friable ____; % nonfriable 100

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or b[illegible]

GENERATOR RETAIN

33 345

[illegible]-720B-C[illegible]

Appendix E - Support Documentation

3C
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41706

Matrix Spike - EPA Sample No.: A01SS-06B 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	3400	97 *	26- 90
2-Chlorophenol	3500	0	2800	80	25-102
1,4-Dichlorobenzene	2300	0	1400	61	28-104
N-Nitroso-di-n-propylami	2300	400	1900	65	41-126
1,2,4-Trichlorobenzene	2300	0	1900	83	38-107
4-Chloro-3-methylphenol	3500	0	3000	86	26-103
Acenaphthene	2300	0	2000	87	31-137
4-Nitrophenol	3500	0	4000	114	11-114
2,4-Dinitrotoluene	2300	0	1800	78	28- 89
Pentachlorophenol	3500	0	8700	249 *	17-109
Pyrene	2300	0	2200	96	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3500	2900	83	16	35	26- 90
2-Chlorophenol	3500	2600	74	8	50	25-102
1,4-Dichlorobenzene	2300	1400	61	1	27	28-104
N-Nitroso-di-n-propylami	2300	1700	57	13	38	41-126
1,2,4-Trichlorobenzene	2300	1700	74	10	23	38-107
4-Chloro-3-methylphenol	3500	2900	83	4	33	26-103
Acenaphthene	2300	1800	78	9	19	31-137
4-Nitrophenol	3500	4000	114	.3	50	11-114
2,4-Dinitrotoluene	2300	1800	78	1	47	28- 89
Pentachlorophenol	3500	8500	243 *	3	47	17-109
Pyrene	2300	2300	100	6	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 11 outside limits
Spike Recovery: 3 out of 22 outside limits

COMMENTS: _____

3C

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-06

Matrix Spike - EPA Sample No.: A01SS-14 Level: (low/med) low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2600	0	2800	108 *	26- 90
2-Chlorophenol	2600	0	2900	112 *	25-102
1,4-Dichlorobenzene	1800	0	1700	94	28-104
N-Nitroso-di-n-propylami	1800	0	2000	111	41-126
1,2,4-Trichlorobenzene	1800	0	1700	94	38-107
4-Chloro-3-methylphenol	2600	0	2900	112 *	26-103
Acenaphthene	1800	0	1800	100	31-137
4-Nitrophenol	2600	0	3000	115 *	11-114
2,4-Dinitrotoluene	1800	0	1800	100 *	28- 89
Pentachlorophenol	2600	0	2700	104	17-109
Pyrene	1800	6300	5700	0 *	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2600	2400	92 *	14	35	26- 90
2-Chlorophenol	2600	2300	88	22	50	25-102
1,4-Dichlorobenzene	1700	1300	76	23	27	28-104
N-Nitroso-di-n-propylami	1700	1400	82	32	38	41-126
1,2,4-Trichlorobenzene	1700	1300	76	23	23	38-107
4-Chloro-3-methylphenol	2600	2700	104 *	6	33	26-103
Acenaphthene	1700	1600	94	8	19	31-137
4-Nitrophenol	2600	3200	123 *	8	50	11-114
2,4-Dinitrotoluene	1700	1100	65	45	47	28- 89
Pentachlorophenol	2600	3300	127 *	22	47	17-109
Pyrene	1700	7600	76	200 *	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: 1 out of 11 outside limits
Spike Recovery: 10 out of 22 outside limits

COMMENTS: _____

3C

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-06

Matrix Spike - EPA Sample No.: A01SS-16 Level: (low/med) low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2700	0	2800	104 *	26- 90
2-Chlorophenol	2700	0	2700	100	25-102
1,4-Dichlorobenzene	1800	0	1400	78	28-104
N-Nitroso-di-n-propylami	1800	0	2100	117	41-126
1,2,4-Trichlorobenzene	1800	0	1600	89	38-107
4-Chloro-3-methylphenol	2700	0	2600	96	26-103
Acenaphthene	1800	0	1700	94	31-137
4-Nitrophenol	2700	0	2900	107	11-114
2,4-Dinitrotoluene	1800	0	1500	83	28- 89
Pentachlorophenol	2700	0	5200	193 *	17-109
Pyrene	1800	2500	6700	233 *	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2700	2700	100 *	4	35	26- 90
2-Chlorophenol	2700	2600	96	4	50	25-102
1,4-Dichlorobenzene	1800	1300	72	7	27	28-104
N-Nitroso-di-n-propylami	1800	2000	111	5	38	41-126
1,2,4-Trichlorobenzene	1800	1500	83	7	23	38-107
4-Chloro-3-methylphenol	2700	2400	89	8	33	26-103
Acenaphthene	1800	1600	89	6	19	31-137
4-Nitrophenol	2700	2600	96	11	50	11-114
2,4-Dinitrotoluene	1800	1300	72	14	47	28- 89
Pentachlorophenol	2700	4800	178 *	8	47	17-109
Pyrene	1800	5900	189 *	21	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 11 outside limits
Spike Recovery: 6 out of 22 outside limits

COMMENTS: _____

3C

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41816

Matrix Spike - EPA Sample No.: A01SS-18B Level: (low/med) low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3000	0	1700	57	26- 90
2-Chlorophenol	3000	0	1700	57	25-102
1,4-Dichlorobenzene	2000	0	1100	55	28-104
N-Nitroso-di-n-propylami	2000	0	1200	60	41-126
1,2,4-Trichlorobenzene	2000	0	1300	65	38-107
4-Chloro-3-methylphenol	3000	0	2100	70	26-103
Acenaphthene	2000	0	1300	65	31-137
4-Nitrophenol	3000	0	2700	90	11-114
2,4-Dinitrotoluene	2000	0	1400	70	28- 89
Pentachlorophenol	3000	0	4200	140 *	17-109
Pyrene	2000	860	1900	52	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3000	2000	67	17	35	26- 90
2-Chlorophenol	3000	2000	67	17	50	25-102
1,4-Dichlorobenzene	2000	1300	65	17	27	28-104
N-Nitroso-di-n-propylami	2000	1400	70	16	38	41-126
1,2,4-Trichlorobenzene	2000	1500	75	15	23	38-107
4-Chloro-3-methylphenol	3000	2200	73	5	33	26-103
Acenaphthene	2000	1400	70	8	19	31-137
4-Nitrophenol	3000	3000	100	11	50	11-114
2,4-Dinitrotoluene	2000	1600	80	14	47	28- 89
Pentachlorophenol	3000	4800	160 *	14	47	17-109
Pyrene	2000	2000	57	10	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 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS: _____

3C
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A05SS-58

Matrix Spike - EPA Sample No.: A05SS-58 Level: (low/med) low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2800	0	3200	114 *	26- 90
2-Chlorophenol	2800	0	2500	89	25-102
1,4-Dichlorobenzene	1900	0	1400	74	28-104
N-Nitroso-di-n-propylami	1900	0	1700	89	41-126
1,2,4-Trichlorobenzene	1900	0	1600	84	38-107
4-Chloro-3-methylphenol	2800	0	2600	93	26-103
Acenaphthene	1900	0	1800	95	31-137
4-Nitrophenol	2800	0	3800	136 *	11-114
2,4-Dinitrotoluene	1900	0	1600	84	28- 89
Pentachlorophenol	2800	0	7100	254 *	17-109
Pyrene	1900	48	3000	155 *	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2800	2500	89	25	35	26- 90
2-Chlorophenol	2800	2200	79	13	50	25-102
1,4-Dichlorobenzene	1900	1200	63	17	27	28-104
N-Nitroso-di-n-propylami	1900	1400	74	21	38	41-126
1,2,4-Trichlorobenzene	1900	1600	84	2	23	38-107
4-Chloro-3-methylphenol	2800	2800	100	7	33	26-103
Acenaphthene	1900	1900	100	4	19	31-137
4-Nitrophenol	2800	3900	139 *	3	50	11-114
2,4-Dinitrotoluene	1900	1800	95 *	10	47	28- 89
Pentachlorophenol	2800	7400	264 *	4	47	17-109
Pyrene	1900	3200	166 *	5	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 11 outside limits
Spike Recovery: 8 out of 22 outside limits

COMMENTS: _____

3C
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41689

Matrix Spike - EPA Sample No.: A02SS-81 Level: (low/med) low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2700	0	2100	78	26- 90
2-Chlorophenol	2700	0	2100	78	25-102
1,4-Dichlorobenzene	1800	0	1100	61	28-104
N-Nitroso-di-n-propylami	1800	0	1500	83	41-126
1,2,4-Trichlorobenzene	1800	0	1400	78	38-107
4-Chloro-3-methylphenol	2700	0	2500	93	26-103
Acenaphthene	1800	0	1500	83	31-137
4-Nitrophenol	2700	0	2900	107	11-114
2,4-Dinitrotoluene	1800	0	1300	72	28- 89
Pentachlorophenol	2700	190	5400	193 *	17-109
Pyrene	1800	0	1900	106	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2700	1700	63	22	35	26- 90
2-Chlorophenol	2700	1800	67	16	50	25-102
1,4-Dichlorobenzene	1800	1100	61	.8	27	28-104
N-Nitroso-di-n-propylami	1800	1300	72	15	38	41-126
1,2,4-Trichlorobenzene	1800	1300	72	8	23	38-107
4-Chloro-3-methylphenol	2700	1900	70	28	33	26-103
Acenaphthene	1800	1200	67	23 *	19	31-137
4-Nitrophenol	2700	2400	89	20	50	11-114
2,4-Dinitrotoluene	1800	1100	61	17	47	28- 89
Pentachlorophenol	2700	3800	134 *	37	47	17-109
Pyrene	1800	1600	89	18	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: 1 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS: _____

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: N/A Case No.: 15629N SAS No.: N/A SDG No.: N2P41886

Matrix Spike - EPA Sample No.: A02SS-93B

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	200	0	230	115	46-127
Heptachlor	160	0	200	125	35-130
Aldrin	180	0	210	117	34-132
Dieldrin	190	0	240	126	31-134
Endrin	200	0	260	130	42-139
4,4'-DDT	220	0	300	136 *	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	200	210	105	7	50	46-127
Heptachlor	160	230	144 *	15	31	35-130
Aldrin	180	260	144 *	24	43	34-132
Dieldrin	190	280	147 *	17	38	31-134
Endrin	200	290	145 *	11	45	42-139
4,4'-DDT	210	300	143 *	4	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: 6 out of 12 outside limits

COMMENTS:

3C

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A01SS-97

Matrix Spike - EPA Sample No.: A01SS-97 Level: (low/med) low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2600	0	2100	79	30-130
2-Chlorophenol	2600	0	2000	75	30-130
1,4-Dichlorobenzene	1800	0	1300	73	30-130
N-Nitroso-di-n-propylami	1800	0	1400	77	41-126
1,2,4-Trichlorobenzene	1800	0	1400	82	30-130
4-Chloro-3-methylphenol	2600	0	2300	87	30-130
Acenaphthene	1800	0	1500	84	30-130
4-Nitrophenol	2600	0	3300	123	30-130
2,4-Dinitrotoluene	1800	0	1800	100	30-130
Pentachlorophenol	2600	0	6100	231 *	30-130
Pyrene	1800	0	1300	76	30-130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2600	2100	80	1	20	30-130
2-Chlorophenol	2600	2000	76	2	20	30-130
1,4-Dichlorobenzene	1700	1300	75	3	20	30-130
N-Nitroso-di-n-propylami	1700	1300	77	.3	38	41-126
1,2,4-Trichlorobenzene	1700	1500	85	3	20	30-130
4-Chloro-3-methylphenol	2600	2300	88	2	20	30-130
Acenaphthene	1700	1400	83	1	20	30-130
4-Nitrophenol	2600	3000	116	6	20	30-130
2,4-Dinitrotoluene	1700	1700	98	2	20	30-130
Pentachlorophenol	2600	6000	229 *	.6	20	30-130
Pyrene	1700	1400	81	7	20	30-130

(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 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS: _____

3C

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N2C41844

Matrix Spike - EPA Sample No.: A01SS-104 Level: (low/med) low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3400	0	3100	91 *	26- 90
2-Chlorophenol	3400	0	3200	94	25-102
1,4-Dichlorobenzene	2300	0	1900	83	28-104
N-Nitroso-di-n-propylami	2300	0	2200	96	41-126
1,2,4-Trichlorobenzene	2300	0	2100	91	38-107
4-Chloro-3-methylphenol	3400	0	3500	103	26-103
Acenaphthene	2300	0	2400	104	31-137
4-Nitrophenol	3400	0	3500	103	11-114
2,4-Dinitrotoluene	2300	22000	20000	0 *	28- 89
Pentachlorophenol	3400	0	3600	106	17-109
Pyrene	2300	2800	4000	52	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3500	3100	89	2	35	26- 90
2-Chlorophenol	3500	3200	91	2	50	25-102
1,4-Dichlorobenzene	2300	1800	78	6	27	28-104
N-Nitroso-di-n-propylami	2300	2400	104	8	38	41-126
1,2,4-Trichlorobenzene	2300	2200	96	4	23	38-107
4-Chloro-3-methylphenol	3500	3300	94	8	33	26-103
Acenaphthene	2300	2400	104	.7	19	31-137
4-Nitrophenol	3500	3200	91	11	50	11-114
2,4-Dinitrotoluene	2300	22000	0 *	200 *	47	28- 89
Pentachlorophenol	3500	2700	77	31	47	17-109
Pyrene	2300	4700	83	44 *	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: 2 out of 11 outside limits
Spike Recovery: 3 out of 22 outside limits

COMMENTS: _____

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL SERVICES CORP. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: A01SS-97

Matrix Spike - EPA Sample No.: A01SS-97

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	200	0	280	143 *	30-130
Heptachlor	150	0	230	151 *	30-130
Aldrin	190	0	260	137 *	30-130
Dieldrin	190	0	290	152 *	30-130
Endrin	200	0	320	164 *	30-130
4,4'-DDT	190	0	290	154 *	30-130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	200	250	130	10	20	30-130
Heptachlor	150	200	134 *	12	20	30-130
Aldrin	190	230	120	13	20	30-130
Dieldrin	190	250	134 *	13	20	30-130
Endrin	190	280	144 *	13	20	30-130
4,4'-DDT	190	260	140 *	9	20	30-130

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: 10 out of 12 outside limits

COMMENTS: _____

3D (GC)
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

002077

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1Q41815

Matrix Spike - EPA Sample No.: QSPK01

COMPOUND	SPIKE ADDED (mg/L)	BLANK CONCENTRATION (mg/L)	BS CONCENTRATION (mg/L)	BS % REC #	QC LIMITS REC.
1,3,5-Trinitrobenzene	.01	0	.006	57	30-130
1,3-Dinitrobenzene	.01	0	.008	81	30-130
2,4,6-Trinitrotoluene	.01	0	.007	67	30-130
2,4-Dinitrotoluene	.01	0	.008	85	30-130
2,6-Dinitrotoluene	.01	0	.008	83	30-130
HMX	.01	0	.01	101	30-130
Nitrobenzene	.01	0	.006	62	30-130
p-Nitrotoluene	.01	0	.007	66	30-130
RDX	.01	0	.009	91	30-130
m-Nitrotoluene	.01	0	.006	61	30-130
o-Nitrotoluene	.01	0	.006	63	30-130
Tetryl	.01	0	.001	15 *	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 1 out of 12 outside limits

COMMENTS: _____

3D (GC)
WATER SEMIVOLATILE MATRIX SPIKE RECOVERY

002079

Lab Name: ANALYTICAL SERVICES CORP. Contract: NFESC

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: N1Q41815

Matrix Spike - EPA Sample No.: A02SS-RIN9

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC #	QC LIMITS REC.
1,3,5-Trinitrobenzene	.01	0	.005	50	30-130
1,3-Dinitrobenzene	.01	0	.009	91	30-130
2,4,6-Trinitrotoluene	.01	.0006	.008	75	30-130
2,4-Dinitrotoluene	.01	0	.009	93	30-130
2,6-Dinitrotoluene	.01	0	.009	91	30-130
HMX	.01	0	.01	111	30-130
Nitrobenzene	.01	0	.006	58	30-130
p-Nitrotoluene	.01	0	.006	62	30-130
RDX	.01	0	.01	100	30-130
m-Nitrotoluene	.01	0	.006	55	30-130
o-Nitrotoluene	.01	0	.006	57	30-130
Tetryl	.01	0	.001	13 *	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 1 out of 12 outside limits

COMMENTS: _____

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-06

Lab File ID (Standard): A4632 Date Analyzed: 11/09/94

Instrument ID: MS4.I Time Analyzed: 08:14

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	397003	8.45	1427417	10.67	925205	14.41
	UPPER LIMIT	794006	8.95	2854834	11.17	1850410	14.91
	LOWER LIMIT	198501	7.95	713708	10.17	462602	13.91
	EPA SAMPLE NO.						
01	SBLK01	418749	8.45	1350905	10.67	862546	14.39
02	SSPK01	428421	8.45	1583569	10.67	981057	14.40
03	A0155-07	449409	8.45	1543842	10.66	994115	14.40
04	A0155-11	451694	8.45	1540324	10.66	1013301	14.40
05	A0155-13	374070	8.45	1361240	10.66	824519	14.39
06	SBLK03	418869	8.45	1439657	10.66	929202	14.40
07	SSPK03	414121	8.45	1569272	10.68	1012344	14.39
08	FRInstute	398734	8.45	1521441	10.66	866857	14.39
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-06

Lab File ID (Standard): A4632 Date Analyzed: 11/09/94

Instrument ID: MSA. I Time Analyzed: 08:14

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	1475890	17.65	1298551	23.56	1218732	26.96
	UPPER LIMIT	2951780	18.15	2597102	24.06	2437464	27.46
	LOWER LIMIT	737945	17.15	649275	23.06	609366	26.46
	EPA SAMPLE NO.						
01	SBLK01	1432960	17.64	1606138	23.54	1368171	26.94
02	SSPK01	1688845	17.65	1444833	23.57	1410942	26.95
03	A0155-07	1675794	17.64	1326825	23.54	775944	26.94
04	A0155-11	1667032	17.64	962235	23.54	382384 X	26.93
05	A0155-13	1301217	17.64	682322	23.53	245437 X	26.93
06	SB1K03	1485597	17.64	1684860	23.53	1438805	26.96
07	SSPK03	1650361	17.66	1210346	23.57	1209910	26.97
08	ERINSTMTE	1432992	17.64	1625039	23.54	1403997	26.95
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: AØ1SS-06

Lab File ID (Standard): B4972 Date Analyzed: 11/17/94

Instrument ID: MSB_I Time Analyzed: 15:25

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	1561739	8.11	5257655	10.25	3023861	13.91
	UPPER LIMIT	3123478	8.61	10515310	10.75	6047722	14.41
	LOWER LIMIT	780869	7.61	2628827	9.75	1511930	13.41
	EPA SAMPLE NO.						
01	SBLK~~0107~~ 24	2206218	8.11	6768722	10.25	4052474	13.91
02	SSPK~~0103~~ 04	2062932	8.12	6850173	10.26	4172878	13.91
03	AØ1SS-34	1797494	8.11	6259449	10.25	3701512	13.90
04	AØ1SS-15	1518000	8.11	5479077	10.25	3139764	13.91
05	AØ1SS-16	2166735	8.11	5782473	10.24	3418562	13.91
06	AØ1SS-17	2074376	8.11	5135979	10.25	2978942	13.91
07	AØ1SS-18	2801178	8.11	7657511	10.25	4532262	13.91
08	AØ1SS-33	2483341	8.11	8384040	10.25	3547605	13.91
09	AØ1SS-34	2235284	8.11	7605691	10.25	3310881	13.91
10	AØ1SS-35	2141459	8.11	7404303	10.25	4401043	13.90
11	AØ1SS-36	2683633	8.12	8810562	10.25	4916335	13.91
12	AØ1SS-37	2298672	8.11	7658676	10.25	4532777	13.90
13	~~97SAØ1SS-38~~						
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-06

Lab File ID (Standard): B4972 Date Analyzed: 11/17/94

Instrument ID: MSB.E Time Analyzed: 15:25

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	4852561	17.11	3904231	22.96	3108859	26.10
	UPPER LIMIT	9705122	17.61	7808462	23.46	6217718	26.60
	LOWER LIMIT	2426280	16.61	1952115	22.46	1554429	25.60
	EPA SAMPLE NO.						
01	SBLK01	7014451	17.12	5984406	22.95	5271205	26.09
02	SSPK01	6922253	17.13	5099176	22.96	4090301	26.09
03	A0155-34	5537689	17.11	4289699	22.94	3061893	26.08
04	A0155-15	4908999	17.11	3280750	22.95	1663115	26.08
*05	A0155-16	6115357	17.11	3565084	22.96	1671108	26.09
06	A0155-17	4615186	17.11	3561551	22.94	1796879	26.07
07	A0155-18	6459928	17.12	3843022	22.94	1485291*	26.07
08	A0155-33	6000074	17.10	4066898	22.94	1714979	26.08
09	A0155-34	5509456	17.11	4139895	22.93	1742965	26.06
10	A0155-35	5539414	17.11	3934659	22.94	1639840	26.06
11	A0155-36	7831345	17.11	3141239	22.94	1279902*	26.05
12	A0155-37	7649368	17.11	4013384	22.94	1534765*	26.06
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

* only report A0155-16 in this report - others reported elsewhere

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-06

Lab File ID (Standard): B4987 Date Analyzed: 11/18/94

Instrument ID: MSB_I Time Analyzed: 12:07

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	1936720	7.41	6883915	9.51	4195023	12.97
	UPPER LIMIT	3873440	7.91	13767830	10.01	8390046	13.47
	LOWER LIMIT	968360	6.91	3441957	9.01	2097511	12.47
	EPA SAMPLE NO.						
01	A0155-32	1768150	7.40	6211236	9.50	3761181	12.96
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-06

Lab File ID (Standard): B4987 Date Analyzed: 11/18/94

Instrument ID: MSB.I Time Analyzed: 12:07

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	7301725	7.41	6042920	9.51	5056479	12.87
	UPPER LIMIT	14603450	16.60	12085840	22.34	10112958	25.23
	LOWER LIMIT	3650862	15.60	3021460	21.34	2528239	24.23
	EPA SAMPLE NO.						
01	A0155-32	5972928	16.09	3245899	21.85	1284521 *	24.73
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-06

Lab File ID (Standard): E2826 Date Analyzed: 11/16/94

Instrument ID: MSE_I Time Analyzed: 07:07

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	18380	7.34	65585	9.31	48607	12.14
	UPPER LIMIT	36760	7.84	131170	9.81	97214	12.64
	LOWER LIMIT	9190	6.84	32792	8.81	24303	11.64
	EPA SAMPLE NO.						
01	A0155-06	26611	7.33	98487	9.30	71748	12.13
02	A0155-08	20338	7.33	74521	9.30	51971	12.13
03	A0155-12	30493	7.34	110877	9.30	77989	12.14
04	A0155-14	23861	7.34	85680	9.30	59993	12.13
05	A0155-20	28583	7.34	102789	9.30	75367	12.14
06	A0155-21	28931	7.34	103811	9.31	74089	12.14
07	A0155-22	28986	7.34	106067	9.30	76187	12.14
08	A0155-23	30358	7.34	110780	9.30	79230	12.14
09	A0155-24	29400	7.34	108046	9.30	77336	12.14
10	A0155-25	32021	7.34	115518	9.31	84551	12.15
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-06

Lab File ID (Standard): E2826 Date Analyzed: 11/16/94

Instrument ID: MSE.I Time Analyzed: 07:07

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	763600	14.51	88401	18.84	899946	21.01
	UPPER LIMIT	1527200	15.01	1768002	19.34	1798892	21.51
	LOWER LIMIT	381800	14.01	442000	18.34	449973	20.51
	EPA SAMPLE NO.						
01	A0155-06	118513	14.51	110092	18.84	73944	21.02
02	A0155-08	87160	14.51	81569	18.84	50003	21.02
03	A0155-12	117902	14.51	49458	18.83	18027 *	21.01
04	A0155-14	92881	14.51	45951	18.83	15249 *	21.01
05	A0155-20	119835	14.51	55047	18.83	17866 *	21.01
06	A0155-21	117856	14.51	54096	18.83	17777 *	21.01
07	A0155-22	121810	14.51	52654	18.83	16081 *	21.01
08	A0155-23	125575	14.52	57658	18.85	16109 *	21.02
09	A0155-24	123935	14.52	54496	18.84	16547 *	21.01
10	A0155-25	137838	14.53	45058	18.93	13464 *	21.06
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: AØ155-06

Lab File ID (Standard): E2861 Date Analyzed: 11/17/94

Instrument ID: MSE_I Time Analyzed: 16:44

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	20463	7.35	70846	9.32	52291	12.15
	UPPER LIMIT	40926	7.85	141692	9.82	104582	12.65
	LOWER LIMIT	10231	6.85	35423	8.82	26145	11.65
	EPA SAMPLE NO.						
01	AØ155-26	28078	7.35	98477	9.31	70469	12.14
02	AØ155-14MS	23568	7.35	84915	9.31	60624	12.14
03	AØ155-14MSD	21755	7.35	78210	9.31	55431	12.15
04	AØ155-09	22106	7.35	79628	9.31	54452	12.14
05	AØ155-10	28956	7.35	105518	9.31	74134	12.14
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: AØ1SS-06

Lab File ID (Standard): E2861 Date Analyzed: 11/17/94

Instrument ID: MSE. I Time Analyzed: 16:44

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	84097	14.52	92022	18.85	93791	21.03
	UPPER LIMIT	168194	15.02	180444	19.35	187582	21.53
	LOWER LIMIT	42048	14.02	46011	18.35	46895	20.53
	EPA SAMPLE NO.						
01	AØ1SS-26	120930	14.52	125523	18.85	123470	21.03
02	AØ1SS-14MS	99844	14.52	109453	18.85	92918	21.04
03	AØ1SS-14MSD	89717	14.52	106494	18.86	84012	21.04
04	AØ1SS-09	90019	14.52	86591	18.86	52134	21.03
05	AØ1SS-10	115783	14.52	60172	18.85	19912 *	21.02
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-06

Lab File ID (Standard): E2872 Date Analyzed: 11/18/94

Instrument ID: MSE_I Time Analyzed: 07:52

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	22532	7.35	80833	9.32	58163	12.15
	UPPER LIMIT	45064	7.85	161666	9.82	116326	12.65
	LOWER LIMIT	11266	6.85	40416	8.82	29081	11.65
	EPA SAMPLE NO.						
01	A0155-30	31748	7.35	114205	9.31	80959	12.14
02	A0155-25DL	23494	7.35	84386	9.31	56957	12.14
03							
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: AØ1SS-06

Lab File ID (Standard): E2872 Date Analyzed: 11/18/94

Instrument ID: MSE.I Time Analyzed: 07:52

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	91471	14.53	99763	18.85	94440	21.03
	UPPER LIMIT	182942	15.03	199526	19.35	188880	21.53
	LOWER LIMIT	45735	14.03	49881	18.35	47220	20.53
	EPA SAMPLE NO.						
01	AØ1SS-30	130693	14.53	92516	18.85	37346 *	21.03
02	AØ1SS-25 DL	90469	14.52	44351 *	18.84	16404 *	21.02
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: AØ1SS-15

Lab File ID (Standard): B4972 Date Analyzed: 11/17/94

Instrument ID: MSB_I Time Analyzed: 15:25

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	1561739	8.11	5257655	10.25	3023861	13.91
	UPPER LIMIT	3123478	8.61	10515310	10.75	6047722	14.41
	LOWER LIMIT	780869	7.61	2628827	9.75	1511930	13.41
	EPA SAMPLE NO.						
01	SBLK01	2206218	8.11	6768722	10.25	4052474	13.91
02	SSPK01	2062932	8.12	6850173	10.26	4172878	13.91
03	AØ1SS-34	1797494	8.11	6259449	10.25	3701512	13.90
04	AØ1SS-15	1518000	8.11	5479077	10.25	3139764	13.91
05	AØ1SS-16	2166735	8.11	5782473	10.24	3418562	13.91
06	AØ1SS-17	2024376	8.11	5135979	10.25	2978942	13.91
07	AØ1SS-18	2801178	8.11	7657511	10.25	4532262	13.91
08	AØ1SS-33	2483341	8.11	8384040	10.25	3547605	13.91
09	AØ1SS-34	2235284	8.11	7605691	10.25	3310881	13.91
10	AØ1SS-35	2141459	8.11	7404303	10.25	4401043	13.90
11	AØ1SS-36	2683033	8.12	8810562	10.25	4916335	13.91
12	AØ1SS-37	2298672	8.11	7658676	10.25	4532777	13.90
13	~~AØ1SS-38~~						
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: AQ155-15

Lab File ID (Standard): B4972 Date Analyzed: 11/17/94

Instrument ID: MSB.E Time Analyzed: 15:25

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	4852561	17.11	3904231	22.96	3108859	26.10
	UPPER LIMIT	9705122	17.61	7808462	23.46	6217718	26.60
	LOWER LIMIT	2426280	16.61	1952115	22.46	1554429	25.60
	EPA SAMPLE NO.						
01	SBLK01	7014451	17.12	5984406	22.95	5271205	26.09
02	SSPK01	6922253	17.13	5099176	22.96	4090301	26.09
03	AQ155-34	5537689	17.11	4289659	22.94	3061893	26.08
04	AQ155-15	4908999	17.11	3280750	22.95	1663115	26.08
05	AQ155-16	6115357	17.11	3565084	22.96	1671108	26.09
06	AQ155-17	4615186	17.11	3561551	22.94	1796879	26.07
07	AQ155-18	6459928	17.12	3843022	22.94	1485291 *	26.07
08	AQ155-33	6000074	17.10	4066898	22.94	1714979	26.08
09	AQ155-34	5509456	17.11	4139895	22.93	1742965	26.06
10	AQ155-35	5539414	17.11	3934659	22.94	1639840	26.06
11	AQ155-36	7831345	17.11	3141239	22.94	1279902 *	26.05
12	AQ155-37	7649368	17.11	4013384	22.94	1534765 *	26.06
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-1~~3~~9 gA

Lab File ID (Standard): E2872 Date Analyzed: 11/18/94

Instrument ID: MSE-F Time Analyzed: 07:52

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	22532	7.35	80833	9.32	58163	12.15
	UPPER LIMIT	45064	7.85	161666	9.82	116326	12.65
	LOWER LIMIT	11266	6.85	40416	8.82	29081	11.65
	EPA SAMPLE NO.						
01	A0155-42	35242	7.36	134555	9.32	97473	12.15
~~02~~	~~CLJDW5151~~	~~24582~~	~~7.35~~	~~89711~~	~~9.31~~	~~58240~~	~~12.14~~
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-19

Lab File ID (Standard): E2872 Date Analyzed: 11/18/94

Instrument ID: MSE.I Time Analyzed: 07:52

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	91471	14.53	99763	18.85	94440	21.03
	UPPER LIMIT	182942	15.03	199526	19.35	188880	21.53
	LOWER LIMIT	45735	14.03	49881	18.35	47220	20.53
	EPA SAMPLE NO.						
01	A0155-42	151251 *	14.52	49273 *	18.85	13858 *	21.02
~~02~~	~~CCTDW5151~~	~~82337~~	~~14.52~~	~~20576~~	~~18.34~~	~~6936~~	~~21.01~~
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IS4 PHN = Phenanthrene-d10
IS5 CRY = Chrysene-d12
IS6 PRY = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC. Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: AØ155-19

Lab File ID (Standard): E2893 Date Analyzed: 11/20/94

Instrument ID: MSEL E Time Analyzed: 11:40

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	22085	7.35	78107	9.31	57201	12.14
	UPPER LIMIT	44170	7.85	156214	9.81	114402	12.64
	LOWER LIMIT	11042	6.85	39053	8.81	28600	11.64
	EPA SAMPLE NO.						
01	AØ155-79	37101	7.34	136512	9.31	98486	12.15
02	AØ155-19	33492	7.34	124628	9.31	91505	12.14
03	AØ155-41	29813	7.35	109734	9.31	79128	12.14
04	AØ155-43	32860	7.35	120137	9.31	86016	12.14
05	AØ155-44	36095	7.35	129755	9.31	93358	12.15
06	AØ155-45	40013	7.35	145057	9.31	102902	12.15
07	AØ155-46	39133	7.35	143894	9.32	103751	12.14
08	AØ155-80	35534	7.35	127380	9.31	91230	12.14
09	~~CCTDW5151~~	~~26699~~	~~7.35~~	~~94069~~	~~9.31~~	~~63349~~	~~12.14~~
10	~~AØ155-49~~	~~35758~~	~~7.35~~	~~129758~~	~~9.32~~	~~93494~~	~~12.14~~
11	~~AØ155-50~~	~~35000~~	~~7.35~~	~~125221~~	~~9.32~~	~~89486~~	~~12.14~~
12	AØ155-77	36795	7.35	134028	9.32	93438	12.15
13	AØ155-78	39466	7.35	142635	9.32	100969	12.15
14	AØ155-42	32780	7.35	118633	9.32	90614	12.15
15	AØ155-47	23037	7.35	85229	9.32	59197	12.14
16	AØ155-47	23829	7.35	~~78345~~ 85485	9.32	59365	12.15
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: A0155-19

Lab File ID (Standard): E2893 Date Analyzed: 11/20/94

Instrument ID: MSE.E Time Analyzed: 11:40

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	88556	14.52	95302	18.85	90706	21.02
	UPPER LIMIT	177112	15.02	190604	19.35	181412	21.52
	LOWER LIMIT	44278	14.02	47651	18.35	45353	20.52
	EPA SAMPLE NO.						
01	A0155-79	163247	14.52	149740	18.85	113954	21.03
02	A0155-19	151684	14.52	156796	18.86	101758	21.05
03	A0155-41	133600	14.52	118324	18.85	86442	21.02
04	A0155-43	142401	14.52	127682	18.85	88025	21.02
05	A0155-44	154216	14.52	136279	18.85	87530	21.02
06	A0155-45	174642	14.52	148075	18.85	57708	21.02
07	A0155-46	170887	14.52	150235	18.85	93905	21.02
08	A0155-80	153248	14.52	136462	18.84	92706	21.03
~~09~~	~~CCD05151~~	~~98404~~	~~14.52~~	~~58053~~	~~18.84~~	~~17478~~	~~21.02~~
~~10~~	~~A0155-49~~	~~156232~~	~~14.53~~	~~131375~~	~~18.85~~	~~74832~~	~~21.03~~
~~11~~	~~A0155-50~~	~~150951~~	~~14.53~~	~~120695~~	~~18.85~~	~~62787~~	~~21.02~~
12	A0155-77	157286	14.53	137969	18.86	65423	21.04
13	A0155-78	169802	14.53	141406	18.87	50761	21.05
14	A0155-42	156023	14.53	97502 *	18.87	30884 *	21.03
15	A0155-47	94096	14.53	59754	18.86	18767 *	21.03
16	A0155-47	95431	14.53	48869	18.86	12713 *	21.04
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A0233-S~~ N2C41689

Lab File ID (Standard): E2943 Date Analyzed: 11/22/94

Instrument ID: MSE.I Time Analyzed: 07:20

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	22634	7.34	834139	9.31	57776	12.14
	UPPER LIMIT	45268	7.84	1666878	9.81	115552	12.64
	LOWER LIMIT	11317	6.84	41719	8.81	28888	11.64
	EPA SAMPLE NO.						
01	AØ2SS-84	32238	7.34	121809	9.30	91235	12.14
02	AØ2SS-89	24680	7.33	92839	9.30	65779	12.14
03	AØ2SS-91	27173	7.33	102133	9.30	74771	12.13
04	AØ2SS-92	28244	7.34	102777	9.30	74660	12.13
05	AØ2SS-93	30300	7.33	112594	9.30	83244	12.14
06	AØ2SS-94	29720	7.33	108758	9.30	78553	12.13
07	AØ2SS-81MS	33487	7.34	124567	9.31	96087	12.14
08	AØ2SS-81MSD	29686	7.34	110668	9.31	83037	12.15
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A0233-5~~ N2C41689

Lab File ID (Standard): E2943 Date Analyzed: 11/22/94

Instrument ID: MSE.I Time Analyzed: 07:20

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	92317	14.52	99819	18.85	100442	21.02
UPPER LIMIT	184634	15.02	199638	19.35	200884	21.52
LOWER LIMIT	46158	14.02	49909	18.35	50221	2052
EPA SAMPLE NO.						
01 A0255-84	157822	14.51	151273	18.85	149474	21.03
02 A0255-89	116942	14.51	106092	18.84	92633 *	21.02
03 A0255-91	128819	14.51	120558	18.84	106168	21.02
04 A0255-92	129001	14.51	118619	18.83	104038	21.02
05 A0255-93	144486	14.51	128890	18.84	107167	21.02
06 A0255-94	137892	14.52	124897	18.84	102903	21.02
07 A0255-81MS	153742	14.53	145150	18.87	77001	21.04
08 A0255-81MSD	137483	14.52	121013	18.86	62067	21.03
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A0233-5~~ A0555-58

Lab File ID (Standard): E2943 Date Analyzed: 11/22/94

Instrument ID: MSE.I Time Analyzed: 07:20

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	22634	7.34	83439	9.31	57776	12.14
	UPPER LIMIT	45268	7.84	166878	9.81	115552	12.64
	LOWER LIMIT	11317	6.84	41719	8.81	28888	11.64
	EPA SAMPLE NO.						
01	58LK01	30004	7.33	110508	9.30	78298	12.14
02	55PK01	27951	7.34	101845	9.31	74740	12.14
03	A0555-58	28950	7.34	106249	9.30	75648	12.14
04	A0555-59	31011	7.34	115016	9.30	81349	12.14
05	A0555-60	33814	7.33	123925	9.30	90920	12.14
06	A0555-63	33384	7.33	119107	9.30	83142	12.14
07	A0555-64	36725	7.34	128751	9.30	89319	12.14
08	A0555-65	34207	7.34	124184	9.30	86554	12.14
09	A0555-86	32855	7.33	117347	9.30	82077	12.14
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____ A0555-58

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A0233-5~~

Lab File ID (Standard): E2943 Date Analyzed: 11/22/94

Instrument ID: MSE.I Time Analyzed: 07:20

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	92317	14.52	99819	18.85	100442	21.02
UPPER LIMIT	184634	15.02	199638	19.35	200884	21.52
LOWER LIMIT	46158	14.02	49909	18.35	50221	20.52
EPA SAMPLE NO.						
01 SBLK01	131540	14.52	111603	18.84	74754	21.02
02 SSPK01	115372	14.53	114761	18.85	68579	21.02
03 A0555-58	127258	14.51	95681	18.85	50836	21.02
04 A0555-59	135424	14.51	107753	18.85	61131	21.02
05 A0555-60	151298	14.52	115775	18.85	59882	21.02
06 A0555-63	138919	14.51	109353	18.84	62474	21.02
07 A0555-64	148683	14.51	109724	18.85	48212 *	21.02
08 A0555-65	144666	14.52	97201	18.85	42282 *	21.02
09 A0555-86	135785	14.52	89754	18.84	39612 *	21.02
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

N2C41689
A0255-58

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A0233-5~~

Lab File ID (Standard): E3002 Date Analyzed: 11/29/94

Instrument ID: MSE.I Time Analyzed: 08:17

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	686021	7.01	2495526	8.96	180706	11.78
	UPPER LIMIT	1372242	7.51	4991112	9.46	3614112	12.28
	LOWER LIMIT	34310	6.51	1247778	8.46	903353	11.28
	EPA SAMPLE NO.						
01	A0255-66	101317	7.01	364499	8.95	2520061	11.77
02	A0255-85	93691	7.01	340712	8.95	235354	11.77
03	A0255-67	99868	7.00	363278	8.96	262677	11.78
04	A0255-68	110837	7.01	401661	8.95	280637	11.78
05	A0255-69	108861	7.01	378906	8.96	263251	11.78
06	A0255-70	109751	7.01	385207	8.96	273556	11.77
07	A0255-71	124407	7.01	454140	8.96	312616	11.78
08	A0255-72	131285	7.01	458528	8.96	323455	11.77
09	A0255-73	118300	7.01	417895	8.96	290621	11.78
10	A0255-74	128446	7.01	453000	8.96	315393	11.77
11	A0255-76	120362	7.01	420897	8.96	297611	11.78
12	A0255-58MS	123344	7.01	428879	8.97	309454	11.79
13	A0255-58MSD	100035	7.01	341377	8.97	235787	11.79
14	A0255-91DL	727553	7.01	259699	8.95	171688	11.78
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

N2C41689

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A0233-5~~ A0555-58

Lab File ID (Standard): E3002 Date Analyzed: 11/29/94

Instrument ID: MSE.I Time Analyzed: 08:17

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	283295	14.14	342399	18.44	332522	20.61
	UPPER LIMIT	566590	14.64	684798	18.94	665044	21.11
	LOWER LIMIT	141647	13.64	171199	17.94	166261	20.11
	EPA SAMPLE NO.						
01	A0555-66	418753	14.14	447771	18.44	416984	20.61
02	A0555-85	393642	14.13	418873	18.44	389823	20.61
03	A0255-67	461705	14.14	449284	18.46	304061	20.62
04	A0255-68	467198	14.14	423029	18.44	259540	20.60
05	A0255-69	440596	14.14	354913	18.46	175821	20.61
06	A0255-70	454825	14.14	370119	18.45	203709	20.60
07	A0255-71	517282	14.14	430750	18.44	223407	20.61
08	A0255-72	539278	14.14	423709	18.45	197878	20.61
09	A0255-73	481024	14.14	376888	18.45	178064	20.60
10	A0255-74	518452	14.14	381756	18.44	170218	20.61
11	A0255-76	489808	14.14	327643	18.45	129754 *	20.61
12	A0255-58MS	482166	14.16	369024	18.46	133342 *	20.62
13	A0255-58MSD	370724	14.15	286682	18.45	101925 *	20.61
14	A0255-91BL	279440	14.13	292840	18.43	319759	20.60
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A0255-74~~ N2C41844

Lab File ID (Standard): B5355 Date Analyzed: 12/30/94

Instrument ID: MSB.I Time Analyzed: 07:04

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	929191	6.58	3308941	8.65	2213362	11.87
	UPPER LIMIT	1858382	7.08	6617882	9.15	4426724	12.37
	LOWER LIMIT	464595	6.08	1654470	8.15	1106681	11.37
	EPA SAMPLE NO.						
01	A0155-104MS	1131330	6.52	3897979	8.63	2521286	11.86
02	A0155-104MSD	1193974	6.60	4137141	8.66	2700857	11.87
03	A0155-104	1238949	6.60	4139576	8.65	2699398	11.88
04							
05							
06							
07							
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18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: 15629N SAS No.: _____ SDG No.: ~~A0255-14~~ N2C41844

Lab File ID (Standard): B5355 Date Analyzed: 12/30/94

Instrument ID: MSB.I Time Analyzed: 07:04

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	4272061	14.94	3832901	20.58	3280327	23.40
UPPER LIMIT	8544122	15.44	7665802	21.08	6560654	23.90
LOWER LIMIT	2136030	14.44	1916450	20.08	1640163	22.90
EPA SAMPLE NO.						
01 A0155-104 ms	4542037	15.07 ~~6.52925~~	3624394	20.58 ~~8.63225~~	2149834	23.39 ~~11.84925~~
02 A0155-104 msD	4655718	15.03	3052445	20.58	1455249	23.38
03 A0155-104	4474693	15.05	2219945	20.57	761071	23.37
04						
05						
06						
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08						
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16						
17						
18						
19						
20						
21						
22						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: _____ NIC41704

Lab Code: _____ Case No.: 16529N SAS No.: _____ SDG No.: ~~A0155-3~~

Lab File ID (Standard): E3087 Date Analyzed: 12/02/94

Instrument ID: MSE.I Time Analyzed: 08:41

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	81563	6.91	286244	8.87	194205	11.68
	UPPER LIMIT	163126	7.41	572488	9.37	388410	12.18
	LOWER LIMIT	40781	6.41	143122	8.37	97102	11.18
	EPA SAMPLE NO.						
01	SBLK01	74518	6.91	271349	8.87	192670	11.68
02	SSPK01	88953	6.92	318658	8.87	232180	11.69
03	FB01A/B	75370	6.91	263664	8.87	177807	11.67
04							
05							
06							
07							
08							
09							
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17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NIC41704

Lab Code: . Case No.: 16529N SAS No.: SDG No.: ~~A4155~~=3

Lab File ID (Standard): E3087 Date Analyzed: 12/02/94

Instrument ID: mSE.I Time Analyzed: 08:41

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	314673	14.04	414813	18.34	422953	20.50
	UPPER LIMIT	629346	14.54	829626	18.84	845906	21.00
	LOWER LIMIT	157336	13.54	207406	17.84	211476	20.00
	EPA SAMPLE NO.						
01	SBLK01	312916	14.04	307421	18.33	251985	20.50
02	SSPK01	370497	14.04	451562	18.35	292434	20.50
03	F801A/B	288631	14.04	269480	18.33	201165	20.49
04							
05							
06							
07							
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18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.I (ambient)	Init. Cal. (MSC I)			Cont. Cal C9760			Cont. Cal C0093		
DATE/TIME: [C9158-C9162]	9/22/94 / 13:37-15:48			10/28/94 / 16:34			11/14/94 / 12:29		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane								30.1	C
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone					76.7	C		28.5	C
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane								42.5	C
2-Butanone	0.02287		F	0.030	30.1	F,C	0.027		F
1,1,1-Trichloroethane								36.7	C
Carbon Tetrachloride								36.3	C
Bromodichloromethane								27.5	C
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform								31.8	C
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:

-0001/0003
-0001/0003 MS & MSD
-3A/D, -3A/D DL
-2A/D, -2A/D MS & MSD
-RB-04
-RB-06
-65, -67, -68
RB-01 MS & MSD
FB01A/B
RB-01 A/D

-0001/0003 MS/MSD;
-3A/D, -2A/D;
-RB-04, RB-06;

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.I (ambient)	Init. Cal. —			Cont. Cal. C0110			Cont. Cal. C0195		
DATE/TIME:	[Continued 9/22]			11/15/97 / 01:07			11/19/94 / 16:20		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone				0.027		F	0.021		F
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform					35.1	C			
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:

-3A/D DL; -2A/D MS & MSD; -65, -67, -68 RB-01A MS & MSD; FB01A/B, RB01A/D;

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSCI (heated)	Init. Cal. (MSCI)			Cont. Cal. C9966			Cont. Cal C9999		
DATE/TIME: (C9206 ; C9208-9210)	9/24/94 / 11:15-13:52			10/28/94 / 19:45			10/30/94 / 11:23		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone					89.9	C		71.6	C
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone					27.9	C		28.8	C
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:			
	0008 A/D & MS/MSD;	0008A/D & MS/MSD,	0012 ;
	0009 A/B	0009A/B, 0010, 0011;	
	0010		
	0011		
	0012		

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.i (heated)	Init. Cal. ——			Cont. Cal. C0018			Cont. Cal. C0035		
DATE/TIME: [C9964-C9970]	11/8/94 / 10:10-13:55			11/10/94 / 18:19			11/11/94 / 09:24		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene **					33.1	C		28.3	C
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:

-06 & -06 ms/msD
-07, -08, -09, -10, -12, -13, -14, -24, -26, -27, -28;
-20, -21, -23, -25, -29, -30, -31, -15, -16, -17, -18, -33, -34, -35, -32, -32 ms/msD, -36, -37, -38, -39, -51, -52, -53

06 & ms/msD, -08, -11, -14;

-07, -09, -10, -12, -13, -22, -24, -26, -27, -28;

Reviewer Initials/Date: _____

-64, -86, -66, -85, -49, -49 ms/msD
-50, -54, -56, -58, -59, -60, -63, -62

* See last page of this table for DEFINITION OF CODES.

** Toluene Initial calibration based on 3-point curve.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.1 (heated)	Init. Cal. —			Cont. Cal. C0064			Cont. Cal. C0088		
DATE/TIME:	[continued 11/8)			11/13/94 / 13:59			11/14/94 / 09:23		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane					34.0	C			
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene					31.6	C		28.9	C
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES: -20, -21, -23, -25, -29, -30, -31, -15, -16, -17, -18, -33, -34, -35; -32 & MS/MSD;

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.1 (heated)	Init. Cal. —			Cont. Cal. C0117			Cont. Cal. C0113		
DATE/TIME:	[continued 11/8]			11/15/94 / 05:08			11/15/94 / 15:44		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene					33.9	C		35.8	C
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:

-36;

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.i (heated)	Init. Cal. —			Cont. Cal. C0173			Cont. Cal. C0150		
DATE/TIME:	[continued 11/8]			11/18/94 / 11:32			11/17/94 / 14:36		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone								35.0	C
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone							0.048		F
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone								25.4	C
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene					27.8	C		30.5	C
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									
AFFECTED SAMPLES:				-37, -38, -39; -51, -52, -53, -64, -86, -66, -85;			-49, -49ms, -49msD, -50, -54, -56, -58, -59, -60, -63, -62;		

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSA.i (heated)	Init. Cal. (4-pt.) **			Cont. Cal. A4693			Cont. Cal.		
DATE/TIME: A4677-A4680	11/15/94 / 00:25-02:30			11/15/94 / 15:53					
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone		39.5%	I		37.2	C			
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									
AFFECTED SAMPLES:	-40, -79, -19, -41, -42, -43, -44, -45, -46, -47, -77, -78, -80			-40, -79, -19, -41, -42, -43, -44, -45, -46, -47, -77, -78, -80;					

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

** ICV - constructed from 4-point calibration; 200 ppb standard not run in sequence due to laboratory error.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSA.i (heated) or MSB.1	Init. Cal. ✓			Cont. Cal. ✓ A4733			Cont. Cal. ✓ A4765		
DATE/TIME: [A4724 - A4728]	11/19/94 / 20:48-23:28			11/21/94 / 08:45			11/22/94 / 09:41		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									
AFFECTED SAMPLES:	-69, -70, -72, -73, -74, -40ms, -40msD, -06B, -16B, -17B, -33B, -95, -42B, -53B, -54B, -96B, -75, -76, -81, -87, -80, -82, -83, -84, -89, -91, -92, -93, -94, -82 ms/msD, -06B ms/msD			-69, -70, -72, -73, -74,			-40ms, -40msD; -06B, -16B, -17B, -33B, -95, -42B, -53B, -54B, -96B;		

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSA. (heated)	Init. Cal. ———			Cont. Cal. A4747			Cont. Cal. A4823		
DATE/TIME:	[cont. 11/19]			11/21/94 / 19:06			12/2/94 / 15:06		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane								29.4	O
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:

-75, -76, -81, -87, -88, -82, -88, -84, -89, -91, -92, -93, -94;

-82 MS & MSD; -06B MS & MSD;

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.i (ambient)	Init. Cal.			Cont. Cal. C0563			Cont. Cal. C0725		
DATE/TIME: C0220-C0224	11/23/94 / 10:44-12:55			12/15/94 / 11:14			12/22/94 / 11:36		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone	0.02869		F	0.025		F	0.028		F
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:

-101 (TCLP) & ms/msD	-101 (TCLP) & ms/msD;	TB-01; RIN-9,
-104 (TCLP)	-104, -105;	120894 - TB ms/msD,
-105 (TCLP)	(TCLP) (TCLP)	TB-3, TB-5;
TB01, RIN-9, TB-3,		
TB-5, 120894 TB ms/msD		
120894 TB, TB-5DL,		
R-8DL, TB-2DL, TB-3DL		
R-8, TB-2, R-8 ms/msD		
TB-3, TB-4, TB-4DL		
-106, -106 ms/msD (TCLP)		

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# Msc.i (ambient)	Init. Cal. ——			Cont. Cal. C0750			Cont. Cal. C0608		
DATE/TIME:	[continued 11/28]			12/28/94 / 13:32			12/17/94 / 19:02		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone								26.3	C
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone				0.028		F	0.029		F
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES: 120894TB; TB-5DL, R-8DL, TB-2DL, TB-3DL, TB-4DL; R-8, TB-2, R-8 MS/MSD, TB-3, TB-4;

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.1 (ambient)	Init. Cal. —			Cont. Cal. C0273			Cont. Cal.		
DATE/TIME: C0220-C0274	continued 11/23/94			12/26/94 / 16:52					
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone				0.029		F			
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:

-106 % MS/MSD; (TCLP ANALYSES)

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.i (heated)	Init. Cal.			Cont. Cal. C0577			Cont. Cal. C0542		
DATE/TIME: C0226 - C0230	11/23/94 / 14:02-16:21			12/13/94 / 10:34			12/14/94 / 12:32		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone		32.856	I						
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform					27.7	C			
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:

-97, -97 MSD, -97 MS; -99, -100, -101, -102, -103A, -104, -105, -106, -18B, -26B, -18 MS/MSD -98

-97, -97 MSD, -99; -100, -101 (soil); -98

-97 MS;

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.i (heated)	Init. Cal.			Cont. Cal. C0609			Cont. Cal. C0632		
DATE/TIME: C0226-C0230	[11/23/94 continued]			12/17/94 / 19:37			12/18/94 / 14:47		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride					34.5	C		26.1	C
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES: -18B, -26B, -103A, -102, -104; -18B MS/MSD; -105, -106;

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.i (Heated)	Init. Cal. ——			Cont. Cal. C0686			Cont. Cal. C0704		
DATE/TIME: C0661 - C0665	12/19/95 / 14:22-16:42			12/20/94 / 10:19			12/21/95 / 11:11		
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane					25.4	C			
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone					30.1	C		29.1	C
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone					34.9	C		35.0	C
2-Hexanone					30.4	C		30.2	C
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:

-74D, -83B, -92B, -107C, -108A, -93B, -109, -110, -111, -113, -112	-74D, -83B, -92B, -107C, -108A, -93B, -109, -110; -111, -113

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSC.1(heated)	Init. Cal. —			Cont. Cal. C0947			Cont. Cal.		
DATE/TIME: C0661-C0665	continued 12/19/95			1/3/95 / 10:36					
	RF	%RSD	*	RF	%D	*	RF	%D	*
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Total-1,2-Dichloroethene									
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene									
1,1,2,2-Tetrachloroethane									
Toluene									
Chlorobenzene									
Ethylbenzene									
Styrene									
Total Xylenes									

AFFECTED SAMPLES:

-112 j

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No._____ CONTRACTOR _____

Instrument# MSa.i	Init. Cal. ✓			Cont. Cal. A4471 ✓			Cont. Cal. A4632			Cont. Cal.		
DATE/TIME: A4416-4417; A4419-20 A4422	10/20/94/10:47-1622			10/26/94 / 10:07			11/9/94 08:14					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol												
bis(2-Chloroethyl)ether												
2-Chlorophenol												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
2-Methylphenol												
bis(2-Chloroisopropyl)ether												
4-Methylphenol												
N-Nitroso-di-n-propylamine												
Hexachloroethane												
Nitrobenzene												
Isophorone												
2-Nitrophenol												
2,4-Dimethylphenol												
bis(2-Chloroethoxy)methane												
2,4-Dichlorophenol												
1,2,4-Trichlorobenzene												
Naphthalene												
4-Chloroaniline												
Hexachlorobutadiene												
4-Chloro-3-Methylphenol												
2-Methylnaphthalene												
Hexachlorocyclopentadiene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline												
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol								25.5	C			
4-Nitrophenol												

AFFECTED SAMPLES:

0008a/b; 0009a/b; 0010a/b; 0011a/b; 0012a/b; 0016a/b MS; 0016a/b MSD; -07; -11; -13; Rinsate; -2A/B (rinsate)

0008a/b; 0009a/b; 0010a/b; 0011a/b; 0012a/b; 0016a/b MS; 0016a/b MSD; -07; -11; -13; RINSATE; -2A/B (Rinsate)

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

Instrument# MSA.i	Init. Cal.			Cont. Cal. A4471			Cont. Cal. A4637			Cont. Cal.		
DATE/TIME: A4416-A4417; A4A-20 10/20/94/10:47-16:21 A4422				10/26/94/10:07			11/9/94/08:14					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran												
2,4-Dinitrotoluene												
Diethylphthalate												
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol												
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol								30.2	C			
Phenanthrene												
Anthracene												
Carbazole												
Di-n-butylphthalate												
Fluoranthene												
Pyrene												
Butylbenzylphthalate												
3,3'-Dichlorobenzidine								27.6	C			
Benzo(a)anthracene												
Chrysene												
bis(2-ethylhexyl)phthalate												
Di-n-octylphthalate												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene												
Dibenz(a,h)anthracene												
Benzo(g,h,i)perylene												

AFFECTED SAMPLES:

0008a/b; 009a/b;	0008A/b; 0009a/b;	-07; -11; -13;	
0010a/b; 0011a/b;	0010a/b; 0011a/b	Frinsate;	
0012a/b; 0011a/b MS	0012a/b; 0011a/b MS	-2A/B (Rinsate)	
0011a/b MSD;	011a/b MSD		
-07; -11; -13;			
Frinsate;			
-2a/b (rinsate)			

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSE.I	Init. Cal. ✓			Cont. Cal. E2826			Cont. Cal E2847			Cont. Cal. E2861		
DATE/TIME: E2600 - E2604	11/3/94 09:31-11:52			11/16/94 07:07			11/17/94 08:18			11/17/94 16:44		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol												
bis(2-Chloroethyl)ether												
2-Chlorophenol												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
2-Methylphenol												
bis(2-Chloroisopropyl)ether												
4-Methylphenol												
N-Nitroso-di-n-propylamine					28.0	C					26.6	C
Hexachloroethane												
Nitrobenzene												
Isophorone												
2-Nitrophenol												
2,4-Dimethylphenol												
bis(2-Chloroethoxy)methane												
2,4-Dichlorophenol												
1,2,4-Trichlorobenzene												
Naphthalene												
4-Chloroaniline												
Hexachlorobutadiene												
4-Chloro-3-Methylphenol												
2-Methylnaphthalene												
Hexachlorocyclopentadiene		58.196	I	0.036	59.5	C,F	0.025	71.6	C,F	0.021	75.6	C,F
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline												
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol					40.9	C					26.3	C
4-Nitrophenol												

AFFECTED SAMPLES:

-06; -08; -12; -14; -20; -21; -22; -23; -24; -25; -27; -28; -29; -26; -14MS; -14MSD; -09; -10; -38; -39; -40; -30; -25DL; -42; -16MS; -16MSD; -16MSD; -79; -19; -41; -43; -44; -45; -46; -80; -49; -50; -77; -78; -47; RB-05B; RB-06A/B; -81; -87; -88; -82; -83; -84; -89; -91; -92; -93; -94; -81MS; -81MSD; -58; -59; -60; -63; -64; -65; -86

-06; -08; -12; -14; -20; -21; -22; -23; -24; -25

-27; -28; -29

-26; -14MS; -14MSD; -09; -10; -38; -39; -40

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

Instrument# MSE.I	Init. Cal.			Cont. Cal. E2826			Cont. Cal. E2847			Cont. Cal. E2861		
DATE/TIME: E2600 - E2604	11/3/94 09:31-11:52			11/16/94 07:07			11/17/94 08:18			11/17/94 16:44		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran												
2,4-Dinitrotoluene												
Diethylphthalate												
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol												
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol												
Phenanthrene												
Anthracene												
Carbazole												
Di-n-butylphthalate												
Fluoranthene												
Pyrene												
Butylbenzylphthalate												
3,3'-Dichlorobenzidine												
Benzo(a)anthracene												
Chrysene												
bis(2-ethylhexyl)phthalate												
Di-n-octylphthalate												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene												
Dibenz(a,h)anthracene												
Benzo(g,h,i)perylene												
AFFECTED SAMPLES:	-06; -08; -12; -14; -20; -21; -22; -23; -24; -25; -27; -28; -29; -26; -14ms; -14msd; -04; -10; -38; -39; -40; -30; -25DL; -42; -16ms; -16msd; -16msd; -74; -19; -41; -43; -44; -45; -46; -80; -49; -50; -77; -78; -47; RB-05B; RB-06A/B; -81; -87; -88; -82; -83; -84; -89; -91; -92; -93; -94; -81ms; -81msd; -58; -59; -60; -63; -64; -65; -86.			-06; -08; -12; -14; -20; -21; -22; -23; -24; -25			-27; -28; -29			-26; -14ms; -14msd; -69; -10; -38; -39; -40		

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No._____ CONTRACTOR _____

Instrument# MSF.I	Init. Cal. ———			Cont. Cal. E2872			Cont. Cal. E2893			Cont. Cal. E292		
DATE/TIME: E2600 – E2604	Continued 11/3			11/18/94 07:52			11/20/94 11:40			11/21/94 13:58		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol												
bis(2-Chloroethyl)ether												
2-Chlorophenol												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
2-Methylphenol												
bis(2-Chloroisopropyl)ether												
4-Methylphenol												
N-Nitroso-di-n-propylamine								25.5	C			
Hexachloroethane												
Nitrobenzene												
Isophorone												
2-Nitrophenol												
2,4-Dimethylphenol												
bis(2-Chloroethoxy)methane												
2,4-Dichlorophenol												
1,2,4-Trichlorobenzene												
Naphthalene												
4-Chloroaniline												
Hexachlorobutadiene												
4-Chloro-3-Methylphenol												
2-Methylnaphthalene												
Hexachlorocyclopentadiene				0.024	73.0	C,F	0.019	78.0	C,F	0.023	73.8	C,F
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline												
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol								49.2	C			
4-Nitrophenol												

AFFECTED SAMPLES: -30;-25DL;-42; -16MS;-16MSD; RB-058;RB-06A/B; -79;-19;-41;-43; -81;-87;-88;-82; -44;-45;-46;-80-83; -49;-50;-77;-78; -47;

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

Instrument# MSE.I	Init. Cal.			Cont. Cal. E2872			Cont. Cal. E2893			Cont. Cal. E2921		
DATE/TIME: E2600 - E2604	[continued 11/3]			11/18/94 07:52			11/20/94 11:40			11/21/94 13:58		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran												
2,4-Dinitrotoluene												
Diethylphthalate												
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol								30.5	O			
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol												
Phenanthrene												
Anthracene												
Carbazole												
Di-n-butylphthalate												
Fluoranthene												
Pyrene												
Butylbenzylphthalate												
3,3'-Dichlorobenzidine												
Benzo(a)anthracene												
Chrysene												
bis(2-ethylhexyl)phthalate												
Di-n-octylphthalate												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene												
Dibenz(a,h)anthracene												
Benzo(g,h,i)perylene												
				-30; -25DL; -42			-16MS; -16MSD; -79; -19; -41; -45; -44; -45; -46; 80; -49; -50; -77; -78; -47			RB-05B; RB-06A/B; -81; -87; -88; -82; -83		

AFFECTED SAMPLES:

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No._____ CONTRACTOR _____

Instrument# MSE. I	Init. Cal. —			Cont. Cal. E2943			Cont. Cal.			Cont. Cal.		
DATE/TIME: E2600 - E2604	[continued 11/3]			11/22/94 07:20								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol												
bis(2-Chloroethyl)ether												
2-Chlorophenol												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
2-Methylphenol												
bis(2-Chloroisopropyl)ether												
4-Methylphenol												
N-Nitroso-di-n-propylamine												
Hexachloroethane												
Nitrobenzene												
Isophorone												
2-Nitrophenol												
2,4-Dimethylphenol												
bis(2-Chloroethoxy)methane												
2,4-Dichlorophenol												
1,2,4-Trichlorobenzene												
Naphthalene												
4-Chloroaniline												
Hexachlorobutadiene												
4-Chloro-3-Methylphenol												
2-Methylnaphthalene												
Hexachlorocyclopentadiene				0.02	76.0	C,F						
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline												
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol												
4-Nitrophenol												

AFFECTED SAMPLES: -84; -89; -91; -92; -93; -94; -81MS; -81MSD; -58; -59; -60; -63; -64; -65; -86;

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

Instrument# MSE.I	Init. Cal. -			Cont. Cal. E2943			Cont. Cal.			Cont. Cal.		
DATE/TIME: E2600-E2604	(continued 11/3)			11/22/94 07:20								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran												
2,4-Dinitrotoluene												
Diethylphthalate												
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol												
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol				0.042	35.3	C,F						
Phenanthrene												
Anthracene												
Carbazole												
Di-n-butylphthalate												
Fluoranthene												
Pyrene												
Butylbenzylphthalate												
3,3'-Dichlorobenzidine												
Benzo(a)anthracene												
Chrysene												
bis(2-ethylhexyl)phthalate												
Di-n-octylphthalate												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene												
Dibenz(a,h)anthracene												
Benzo(g,h,i)perylene												

AFFECTED SAMPLES:

-84; -89; -91; -92; -93; -94; -81ms; -81msD; -58; -59; -60; -63; -64; -65; -86

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSB.I	Init. Cal. ✓			Cont. Cal. B4972			Cont. Cal. B4987			Cont. Cal.		
DATE/TIME: B4937-B4941	11/12/94 15:32-18:13			11/17/94 15:25			11/18/94 12:07					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol												
bis(2-Chloroethyl)ether								26.9	C			
2-Chlorophenol												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
2-Methylphenol								31.5	C			
bis(2-Chloroisopropyl)ether								61.7	C			
4-Methylphenol								29.7	C			
N-Nitroso-di-n-propylamine												
Hexachloroethane												
Nitrobenzene												
Isophorone												
2-Nitrophenol												
2,4-Dimethylphenol												
bis(2-Chloroethoxy)methane												
2,4-Dichlorophenol												
1,2,4-Trichlorobenzene												
Naphthalene												
4-Chloroaniline												
Hexachlorobutadiene												
4-Chloro-3-Methylphenol												
2-Methylnaphthalene												
Hexachlorocyclopentadiene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline												
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol												
4-Nitrophenol					30.1			31.4				
AFFECTED SAMPLES:	-31;-15;-16;-17;-18;-33;-34;-35;-36;-37;-32;-79ms;-79msD;-51;-52;-53;-54;-56			-31;-15;-16;-17;-18;-33;-34;-35;-36;-37;			-32;-79ms;-79msD;-51;-52;-53;-54;-56;					

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

Instrument# MS8.I	Init. Cal.			Cont. Cal. B4972			Cont. Cal. B4987			Cont. Cal.		
DATE/TIME: B4937-B4941	11/12/94 15:32-18:13			11/17/94 15:25			11/18/94 12:07					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran												
2,4-Dinitrotoluene												
Diethylphthalate												
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol												
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol					39.1	C						
Phenanthrene												
Anthracene												
Carbazole												
Di-n-butylphthalate												
Fluoranthene												
Pyrene												
Butylbenzylphthalate												
3,3'-Dichlorobenzidine												
Benzo(a)anthracene												
Chrysene												
bis(2-ethylhexyl)phthalate								29.6	C			
Di-n-octylphthalate												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene					35.5	C						
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene												
Dibenz(a,h)anthracene												
Benzo(g,h,i)perylene												

AFFECTED SAMPLES:

-31; -15; -16; -17; -18; -33; -34; -35; -36; -37; -32; -79 ms; -79 msD; -51; -52; -53; -54; -56

-31; -15; -16; -17; -18; -33; -34; -35; -36; -37;

-32; -79 ms; -79 msD; -51; -52; -53; -54; -56

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No. _____ CONTRACTOR _____

Instrument# MSE.i	Init. Cal.			Cont. Cal. E3002			Cont. Cal. E3023			Cont. Cal. E3067		
DATE/TIME: E2994 - E2998	11/28/94 11:01-13:20			11/29/94 08:17			11/30/94 08:02			12/1/94 19:09		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol												
bis(2-Chloroethyl)ether												
2-Chlorophenol												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
2-Methylphenol												
bis(2-Chloroisopropyl)ether												
4-Methylphenol												
N-Nitroso-di-n-propylamine												
Hexachloroethane												
Nitrobenzene												
Isophorone												
2-Nitrophenol												
2,4-Dimethylphenol												
bis(2-Chloroethoxy)methane												
2,4-Dichlorophenol												
1,2,4-Trichlorobenzene												
Naphthalene												
4-Chloroaniline												
Hexachlorobutadiene												
4-Chloro-3-Methylphenol												
2-Methylnaphthalene												
Hexachlorocyclopentadiene		43.082	I		48.5	C	0.049	54.0	F,C	0.048	55.2	F,C
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline												
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol								25.6	C			
4-Nitrophenol												

AFFECTED SAMPLES:

-66; -85; -67; -68;	-66; -85; -67; -68;	-75; -62;
-69; -70; -71; -72;	-69; -70; -71; -72;	
-73; -74; -76; -58MS;	-73; -74; -76;	
-58MSD; -91DL; -75;	-58MS; -58MSD;	
-62; -06B; -06BMS;	-91DL;	
-06BMSD; -16B;		
-17B; -33B; -42B;		
-53B; -54B; -96B;		
-17BDL; -95; -96;		
FB01A/B		

-06B; -06BMS;
-06BMSD; -16B;
-17B; -33B;

Reviewer Initials/Date: _____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

Instrument# MSE.I	Init. Cal.			Cont. Cal. E3002			Cont. Cal. E3023			Cont. Cal. E3067		
DATE/TIME: E2994-E2998	11/28/94 11:01-13:20			11/29/94 08:17			11/30/94 08:02			12/1/94 19:09		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran												
2,4-Dinitrotoluene												
Diethylphthalate												
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol												
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol				0.044	25.5	F,C				0.045		F
Phenanthrene												
Anthracene												
Carbazole												
Di-n-butylphthalate					29.3	C						
Fluoranthene												
Pyrene												
Butylbenzylphthalate												
3,3'-Dichlorobenzidine												
Benzo(a)anthracene												
Chrysene												
bis(2-ethylhexyl)phthalate												
Di-n-octylphthalate												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene												
Dibenz(a,h)anthracene												
Benzo(g,h,i)perylene											30.4	C
AFFECTED SAMPLES:	-66;-85;-67;-68;-69;-70;-71;-72;-73;-74;-76;-58MS;-58MSD;-91DL;-75;-62;-06B;-06BMS;-06BMSD;-16B;-17B;-33B;-42B;-53B;-54B;-96B;-17BDL;-95;-96;FB01A/B			-66;-85;-67;-68;-69;-70;-71;-72;-73;-74;-76;-58MS;-58MSD;-91DL			-75;-62			-06B;-06BMS;-06BMSD;-16B;-17B;-33B		

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No._____ CONTRACTOR _____

Instrument# MSE.1	Init. Cal.			Cont. Cal. E3087			Cont. Cal.			Cont. Cal.		
DATE/TIME: E2994- E2998	continued 11/28/94			12/2/94 08:41								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol												
bis(2-Chloroethyl)ether												
2-Chlorophenol												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
2-Methylphenol												
bis(2-Chloroisopropyl)ether												
4-Methylphenol												
N-Nitroso-di-n-propylamine												
Hexachloroethane												
Nitrobenzene												
Isophorone												
2-Nitrophenol												
2,4-Dimethylphenol												
bis(2-Chloroethoxy)methane												
2,4-Dichlorophenol												
1,2,4-Trichlorobenzene												
Naphthalene												
4-Chloroaniline												
Hexachlorobutadiene												
4-Chloro-3-Methylphenol												
2-Methylnaphthalene												
Hexachlorocyclopentadiene					34.6	C						
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline												
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol												
4-Nitrophenol					28.5							

AFFECTED SAMPLES: -42B; -53B; ~~-54B~~; -96B; -17B; ~~-95~~; -96; FB01A/B

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

Instrument# MSE.i	Init. Cal.			Cont. Cal. E3087			Cont. Cal.			Cont. Cal.		
DATE/TIME: E2994- E2998	[Cont. 11/28/94]			12/2/94 08:41								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran												
2,4-Dinitrotoluene												
Diethylphthalate												
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol												
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol												
Phenanthrene												
Anthracene												
Carbazole												
Di-n-butylphthalate												
Fluoranthene												
Pyrene												
Butylbenzylphthalate												
3,3'-Dichlorobenzidine												
Benzo(a)anthracene												
Chrysene												
bis(2-ethylhexyl)phthalate												
Di-n-octylphthalate												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene												
Dibenz(a,h)anthracene												
Benzo(g,h,i)perylene												

AFFECTED SAMPLES: -42B; -53B; -54B; -96B; -17B DL; -95; -96; FB01A/B;

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No._____ CONTRACTOR _____

Instrument# MSB.I	Init. Cal. ✓			Cont. Cal. B5208			Cont. Cal. B5250			Cont. Cal.		
DATE/TIME: B5181-B5185	12/15/95 08:42-11:09			12/16/94 08:16			12/20/94 07:31					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol												
bis(2-Chloroethyl)ether												
2-Chlorophenol												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
2-Methylphenol												
bis(2-Chloroisopropyl)ether												
4-Methylphenol												
N-Nitroso-di-n-propylamine												
Hexachloroethane												
Nitrobenzene												
Isophorone												
2-Nitrophenol												
2,4-Dimethylphenol												
bis(2-Chloroethoxy)methane												
2,4-Dichlorophenol												
1,2,4-Trichlorobenzene												
Naphthalene												
4-Chloroaniline												
Hexachlorobutadiene												
4-Chloro-3-Methylphenol												
2-Methylnaphthalene												
Hexachlorocyclopentadiene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline												
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol					30.2	C		25.6	C			
4-Nitrophenol												

AFFECTED SAMPLES:

-101 MS; -101 MSD; -101 MS; -101 MSD; R-8;
-101; -104; -105; -101; -104; -105;
-106; R-8 -106;

(TCLP ANALYSIS FOR ABOVE! i.e. AQUEOUS)

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

Instrument# MSB. I	Init. Cal.			Cont. Cal. B5208			Cont. Cal. B5256			Cont. Cal.		
DATE/TIME: B5181-B5185	12/15/95 0842-1109			12/16/94 08:16			12/20/94 07:31					
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran												
2,4-Dinitrotoluene												
Diethylphthalate												
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol												
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol					26.3	C						
Phenanthrene												
Anthracene												
Carbazole												
Di-n-butylphthalate												
Fluoranthene												
Pyrene												
Butylbenzylphthalate												
3,3'-Dichlorobenzidine												
Benzo(a)anthracene												
Chrysene												
bis(2-ethylhexyl)phthalate												
Di-n-octylphthalate												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene												
Dibenz(a,h)anthracene												
Benzo(g,h,i)perylene												

AFFECTED SAMPLES:

-101 MS; -101 MSD;	-101 MS; -101 MSD; R-B;
-101; -104; -105;	-101; -104; -105;
-106; R-B	-106;
	(TCLP analyses) For above i.e. Aqueous

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No._____ CONTRACTOR _____

Instrument# MSB, I	Init. Cal.			Cont. Cal. B5289			Cont. Cal. B5308			Cont. Cal. B5327 ✓		
DATE/TIME: B5274 - B5278	12/21/94 10:22 - 13:14			12/21/94 23:00			12/22/94 11:50			12/28/94 08:59		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol												
bis(2-Chloroethyl)ether												
2-Chlorophenol												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
2-Methylphenol												
bis(2-Chloroisopropyl)ether												
4-Methylphenol												
N-Nitroso-di-n-propylamine												
Hexachloroethane												
Nitrobenzene												
Isophorone												
2-Nitrophenol												
2,4-Dimethylphenol												
bis(2-Chloroethoxy)methane												
2,4-Dichlorophenol												
1,2,4-Trichlorobenzene												
Naphthalene												
4-Chloroaniline												
Hexachlorobutadiene												
4-Chloro-3-Methylphenol												
2-Methylnaphthalene												
Hexachlorocyclopentadiene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline												
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol					32.4	C		32.8	C			
4-Nitrophenol												

AFFECTED SAMPLES:

-97 MSD; -97MS; -97; -98; -99; -100; -101; -74D; -83B; -92B; -107C; -108A; -105; -106; -103A; -102; -26B; -188 MS; -188 MSD; -188; RIN-9; -93B; -109; -110; -111; -112; -113; -93B MSD; -105; -106; -104; -104 MS; -104 MSD.

-74D; -83B; -92B; -107C; -108A; -105; -106; -103A; -102; -26B; -188 MS; -188 MSD; -188; RIN-9; -93B; -109; -110; -111; -112; -113; -93B MS; -93B MSD;

-105; -106; -110; -111; -112; -113; -93B MS; -93B MSD;

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

Instrument# MSD, I	Init. Cal.			Cont. Cal. B5289			Cont. Cal. B5308			Cont. Cal. B5327 ✓		
DATE/TIME: B5274- B5278	12/21/94 10:22-13:19			12/21/94 23:00			12/22/94 11:58			12/28/94 08:59		
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran												
2,4-Dinitrotoluene												
Diethylphthalate												
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol												
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol		30.603	I		25.4	C						
Phenanthrene												
Anthracene												
Carbazole												
Di-n-butylphthalate		31.363	I									
Fluoranthene												
Pyrene												
Butylbenzylphthalate												
3,3'-Dichlorobenzidine												
Benzo(a)anthracene												
Chrysene												
bis(2-ethylhexyl)phthalate												
Di-n-octylphthalate		30.139	I					40.7	C			
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene												
Dibenz(a,h)anthracene												
Benzo(g,h,i)perylene								25.1	C			

AFFECTED SAMPLES:

-97 MSD; -97 MS; -97; -9B; -99; -100; -101; -74D; -83B; -92B; -107G; -108A; -105; -106; -103A; -102; -26B; -18B MS; -18B MSD; -18B; RIN-9; -93B; -109; -110; -111; -112; -113; -93B MS; -93B MSD; -105; -106;

-74D; -83B; -92B; -107G; -108A; -105; -106; -103A; -102; -26B; -18B MS; -18B MSD; -93B MS

RIN-9; -93B; -108; -110; -111; -112; -113; -93B; -93B MSD;

-105; -106;

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

-104; -104MS; -104MSD.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 1 of 2)

CASE/SAS No._____ CONTRACTOR _____

Instrument# MSB.I	Init. Cal.			Cont. Cal. B5355			Cont. Cal.			Cont.Cal.		
DATE/TIME: B5274 - B5278	[continued 12/21/94]			12/30/94 07:04								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol												
bis(2-Chloroethyl)ether												
2-Chlorophenol												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
1,2-Dichlorobenzene												
2-Methylphenol												
bis(2-Chloroisopropyl)ether												
4-Methylphenol												
N-Nitroso-di-n-propylamine												
Hexachloroethane												
Nitrobenzene												
Isophorone												
2-Nitrophenol												
2,4-Dimethylphenol												
bis(2-Chloroethoxy)methane												
2,4-Dichlorophenol												
1,2,4-Trichlorobenzene												
Naphthalene												
4-Chloroaniline												
Hexachlorobutadiene												
4-Chloro-3-Methylphenol												
2-Methylnaphthalene												
Hexachlorocyclopentadiene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline												
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol												
4-Nitrophenol												

AFFECTED SAMPLES:

-104 MS; -104 MSD;
-104;

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

TABLE I

ENVIRONMENTAL PROTECTION AGENCY REGION III
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS (Part 2 of 2)

Instrument# MSB, I	Init. Cal.			Cont. Cal. B5365			Cont. Cal.			Cont. Cal.		
DATE/TIME: B5274-B5278	I cont. 12/21/94			12/30/94 07:04								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*
Dibenzofuran												
2,4-Dinitrotoluene												
Diethylphthalate												
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol												
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol												
Phenanthrene												
Anthracene												
Carbazole												
Di-n-butylphthalate												
Fluoranthene												
Pyrene												
Butylbenzylphthalate												
3,3'-Dichlorobenzidine												
Benzo(a)anthracene												
Chrysene												
bis(2-ethylhexyl)phthalate												
Di-n-octylphthalate												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene												
Dibenz(a,h)anthracene												
Benzo(g,h,i)perylene												

AFFECTED SAMPLES: -104 MS; -104 MSD; -104;

Reviewer Initials/Date:_____

* See last page of this table for DEFINITION OF CODES.

DEFINITION OF CODES USED IN TABLE I

I = %RSD exceeded 30% in the initial calibration, positive results are qualified "J". When the %RSD exceeded 50%, quantitation limits are qualified "UJ".

C = %D exceeded 25% in the continuing calibration, positive results are qualified "J". When the %D exceeded 50%, quantitation limits are qualified "UJ".

F = RF less than 0.05 in the calibration. All quantitation limits are qualified "R" and positive results are qualified "L".

+ = The "B" qualifier, denoting blank contamination, supersedes the qualifier issued in this table.

R = The "R" qualifier, denoting unusable results, supersedes the qualifier issued in this table.

6A
MS Volatile

Report Date : 23-Sep-1994 07:46

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A/B

Instrument ID: msc.i Calibration Date(s): 09/22/94 ~~09/23/94~~

Heated Purge: (Y/N) N Calibration Times: ~~09/22/94~~ 1337 0743

GC Column: _____ ID: _____(mm)

Calibration File Names:
Level 1: /chem/msc.i/c0922a94.b/c9158.d
Level 2: /chem/msc.i/c0922a94.b/c9159.d
Level 3: /chem/msc.i/c0922a94.b/c9160.d
Level 4: /chem/msc.i/c0922a94.b/c9161.d
Level 5: /chem/msc.i/c0922a94.b/c9162.d

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
1 Methyl chloride	0.60236	0.52845	0.56673	0.60606	0.59357	0.57944	5.589
2 Vinyl chloride	0.98826	1.01981	1.04765	1.04105	1.00181	1.01971	2.474
3 Methyl bromide	1.37143	1.36030	1.26390	1.22237	1.13507	1.27062	7.766
4 Chloroethane	0.64931	0.65489	0.57203	0.52096	0.51317	0.58207	11.654
5 Acrolein	0.07923	0.09903	0.09143	0.09439	0.07074	0.08696	13.407
6 1,1-Dichloroethylene	1.26975	1.28597	1.28155	1.25150	1.20650	1.25905	2.563
7 Acetone	0.29875	0.32135	0.25515	0.25099	0.21883	0.26901	15.166
8 Carbon disulfide	2.59818	2.93763	2.88981	2.91940	2.77811	2.82463	4.989
9 Methylene chloride	1.42765	1.32728	1.27354	1.23064	1.15659	1.28314	7.957
10 Acrylonitrile	0.19087	0.24956	0.22039	0.22734	0.20408	0.21845	10.281
11 1,2-Trans-dichloroethylene	1.33551	1.32801	1.33229	1.32357	1.26558	1.31699	2.209
12 1,1-Dichloroethane	2.27373	2.53485	2.44317	2.32752	2.24686	2.36523	5.119
13 1,2-cis-Dichloroethylene	1.40122	1.37423	1.41991	1.38555	1.33849	1.38388	2.214
14 Methyl ethyl ketone	0.01905	0.02435	0.02483	0.02238	0.02378	0.02287	10.181
16 Chloroform	2.91935	3.14559	3.03234	2.89806	2.54292	2.90765	7.794
17 1,1,1-Trichloroethane	0.55702	0.57386	0.57616	0.55090	0.52919	0.55743	3.429
18 Carbon tetrachloride	0.53912	0.57260	0.54620	0.52547	0.52781	0.54224	3.495
20 Benzene	0.82442	0.82026	0.81901	0.75660	0.73350	0.79076	5.383
21 1,2-Dichloroethane	1.81456	2.09387	2.01366	1.91647	1.81673	1.93106	6.352
23 Trichloroethylene	0.48111	0.48861	0.47879	0.45299	0.44198	0.46869	4.284
24 1,2-Dichloropropane	0.35576	0.38760	0.38447	0.36646	0.35392	0.36964	4.261
25 Dichlorobromomethane	0.59862	0.59997	0.64436	0.64782	0.60781	0.61972	3.931
26 2-Chloroethylvinyl ether	0.14950	0.17472	0.17937	0.17652	0.17791	0.17160	7.269
cis-1,3-Dichloropropylene	0.43804	0.47831	0.48650	0.48803	0.45169	0.46851	4.787
Methyl-iso-butyl ketone	0.45789	0.51586	0.50550	0.47665	0.45897	0.48297	5.512
30 Toluene	0.78002	0.78604	0.76945	0.74760	0.70887	0.75840	4.130
31 trans-1,3-Dichloropropylene	0.33326	0.39089	0.40441	0.40149	0.38560	0.38313	7.545

6H
MS Volatile

Report Date : 23-Sep-1994 07:46

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A1B

Instrument ID: msc.i Calibration Date(s): 09/22/94 09/23/94

Heated Purge: (Y/N) N Calibration Times: 1337 0743

GC Column: _____ ID: _____ (mm)

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
32 1,1,2-Trichloroethane	0.32419	0.34994	0.34168	0.33465	0.31038	0.33217	4.641
33 Tetrachloroethylene	0.59080	0.57758	0.54973	0.52424	0.50044	0.54856	6.781
34 2-Hexanone	0.27604	0.32254	0.32865	0.30308	0.30310	0.30670	6.720
35 Chlorodibromomethane	0.49118	0.51096	0.55812	0.58145	0.56428	0.54120	7.069
37 Chlorobenzene	1.12160	1.12131	1.07775	1.03354	0.98691	1.06822	5.453
38 Ethylbenzene	0.50077	0.50322	0.48361	0.46557	0.44665	0.47996	5.001
39 m+p-Xylenes	0.60594	0.57297	0.57335	0.54324	0.52122	0.56334	5.743
40 o-Xylene	0.60654	0.60775	0.57803	0.54031	0.51310	0.56914	7.318
41 Styrene	0.84419	0.89608	0.88618	0.85081	0.83380	0.86221	3.168
42 Bromoform	0.30386	0.36468	0.41105	0.41084	0.41756	0.38160	12.666
44 1,1,2,2-Tetrachloroethane	0.65020	0.71760	0.69945	0.65703	0.62061	0.66898	5.851
45 1,3-Dichlorobenzene	1.00283	0.95674	0.92752	0.86662	0.82778	0.91630	7.630
46 1,4-Dichlorobenzene	1.14856	1.05047	1.06518	0.98268	0.96647	1.04267	6.980
47 1,2-Dichlorobenzene	1.00348	0.95830	0.92846	0.84127	0.81181	0.90866	8.833
$ 19 1,2-Dichloroethane-D4 (SURR)	1.36968	1.57504	1.51030	1.58166	1.49338	1.50601	5.678
$ 29 Toluene-D8 (SURR)	1.15654	1.15043	1.14222	1.20552	1.13291	1.15752	2.442
$ 43 Bromofluorobenzene (SURR)	0.87767	0.81797	0.82380	0.82889	0.79643	0.82895	3.608

0262

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A/B

Instrument ID: msc.i Calibration Date: 10/28/94 Time: 1634

Lab File ID: C9760 Init. Calib. Date(s): 09/22/94 09/23/94

Heated Purge: (Y/N) N Init. Calib. Times: 1337 0743

GC Column: _____ ID: _____ (mm)

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.579	0.612	0.300	5.6	40.0	
	2 Vinyl chloride	1.020	0.999	0.010	2.1	25.0	
	3 Methyl bromide	1.271	1.309	0.010	3.0	40.0	
	4 Chloroethane	0.582	0.600	0.010	3.1	40.0	
	5 Acrolein	0.087	0.140	0.010	60.8	40.0	<-
	6 1,1-Dichloroethylene	1.259	1.334	0.010	6.0	25.0	
	7 Acetone	0.269	0.475	0.010	76.7	40.0	<-
	8 Carbon disulfide	2.825	2.853	0.010	1.0	40.0	
	9 Methylene chloride	1.283	1.392	0.010	8.5	40.0	
	10 Acrylonitrile	0.218	0.242	0.010	10.9	40.0	
	11 1,2-Trans-dichloroethylene	1.317	1.418	0.010	7.7	40.0	
	12 1,1-Dichloroethane	2.365	2.446	0.300	3.4	40.0	
	13 1,2-cis-Dichloroethylene	1.384	1.445	0.010	4.4	40.0	
	14 Methyl ethyl ketone	0.023	0.030	0.010	30.1	40.0	
	16 Chloroform	2.908	3.019	0.010	3.8	25.0	
	17 1,1,1-Trichloroethane	0.557	0.596	0.010	6.9	40.0	
	18 Carbon tetrachloride	0.542	0.590	0.010	8.7	40.0	
$	19 1,2-Dichloroethane-D4 (SURR)	1.506	1.503	0.010	0.2	40.0	
	20 Benzene	0.791	0.827	0.010	4.5	40.0	
	21 1,2-Dichloroethane	1.931	1.949	0.010	0.9	40.0	
	23 Trichloroethylene	0.469	0.462	0.010	1.5	40.0	
	24 1,2-Dichloropropane	0.370	0.372	0.010	0.7	25.0	
	25 Dichlorobromomethane	0.620	0.704	0.010	13.6	40.0	
	26 2-Chloroethylvinyl ether	0.172	0.173	0.010	1.0	40.0	
	27 cis-1,3-Dichloropropylene	0.469	0.488	0.010	4.1	40.0	
	28 Methyl-iso-butyl ketone	0.483	0.484	0.010	0.2	40.0	
$	29 Toluene-D8 (SURR)	1.158	1.187	0.010	2.6	40.0	
	30 Toluene	0.758	0.790	0.010	4.1	25.0	
	31 trans-1,3-Dichloropropylene	0.383	0.406	0.010	5.9	40.0	
	32 1,1,2-Trichloroethane	0.332	0.336	0.010	1.2	40.0	
	33 Tetrachloroethylene	0.549	0.582	0.010	6.2	40.0	
	34 2-Hexanone	0.307	0.308	0.010	0.4	40.0	
	35 Chlorodibromomethane	0.541	0.635	0.010	17.3	40.0	
	37 Chlorobenzene	1.068	1.120	0.300	4.9	40.0	
	38 Ethylbenzene	0.480	0.500	0.010	4.2	25.0	
	39 m+p-Xylenes	0.563	0.608	0.010	7.9	40.0	
	40 o-Xylene	0.569	0.597	0.010	4.9	40.0	
	41 Styrene	0.862	0.920	0.010	6.7	40.0	
	42 Bromoform	0.382	0.426	0.300	11.5	40.0	
$	43 Bromofluorobenzene (SURR)	0.829	0.855	0.010	3.2	40.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 008A/B

Instrument ID: msc.i Calibration Date: 10/28/94 Time: 1634

Lab File ID: C9760 Init. Calib. Date(s): 09/22/94 09/23/94

Heated Purge: (Y/N) N Init. Calib. Times: 1337 0743

GC Column: _____ ID: _____(mm)

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.669	0.698	0.300	4.3	40.0
45 1,3-Dichlorobenzene	0.916	0.978	0.010	6.7	40.0
46 1,4-Dichlorobenzene	1.043	1.082	0.010	3.8	40.0
47 1,2-Dichlorobenzene	0.909	0.897	0.010	1.3	40.0

Data File: /chem/aux/msc.i/c1114a94.b/c0093.d
Report Date: 14-Nov-1994 13:30

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0093.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 14-NOV-94 12:29
Init. Calibration Date(s): 09/22/94 09/22/94
Init. Calibration Times: 13:37 15:48
Method File: /chem/aux/msc.i/c1114a94.b/8240newc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
1 Methyl chloride	0.579	0.754	0.300	30.1	40.0	
2 Vinyl chloride	1.020	1.086	0.010	6.5	25.0	
3 Methyl bromide	1.271	1.343	0.010	5.7	40.0	
4 Chloroethane	0.582	0.650	0.010	11.6	40.0	
5 Acrolein	0.087	0.115	0.010	32.4	40.0	
6 1,1-Dichloroethylene	1.259	1.272	0.010	1.0	25.0	
7 Acetone	0.269	0.346	0.010	28.5	40.0	
8 Carbon disulfide	2.825	2.786	0.010	1.4	40.0	
9 Methylene chloride	1.283	1.339	0.010	4.4	40.0	
10 Acrylonitrile	0.218	0.234	0.010	7.1	40.0	
11 1,2-Trans-dichloroethylene	1.317	1.360	0.010	3.2	40.0	
12 1,1-Dichloroethane	2.365	2.689	0.300	13.7	40.0	
13 1,2-cis-Dichloroethylene	1.384	1.404	0.010	1.4	40.0	
14 Methyl ethyl ketone	0.023	0.027	0.010	17.2	40.0	
15 Chloroform	2.903	3.569	0.010	22.7	25.0	
16 1,1,1-Trichloroethane	0.557	0.762	0.010	36.7	40.0	
17 Carbon tetrachloride	0.542	0.739	0.010	36.3	40.0	
18 1,2-Dichloroethane-D4 (SURR)	1.506	1.998	0.010	32.7	40.0	
19 Benzene	0.791	0.807	0.010	2.0	40.0	
20 1,2-Dichloroethane	1.931	2.752	0.010	42.5	40.0	<-
21 Trichloroethylene	0.469	0.482	0.010	2.8	40.0	
22 1,2-Dichloropropane	0.370	0.364	0.010	1.5	25.0	
23 Dichlorobromomethane	0.620	0.790	0.010	27.5	40.0	
24 2-Chloroethylvinyl ether	0.172	0.157	0.010	8.8	40.0	
25 cis-1,3-Dichloropropylene	0.469	0.500	0.010	6.7	40.0	
26 Methyl-iso-butyl ketone	0.433	0.525	0.010	8.6	40.0	
27 Toluene-D8 (SURR)	1.158	1.136	0.010	1.9	40.0	
28 Toluene	0.758	0.782	0.010	3.1	25.0	
29 trans-1,3-Dichloropropylene	0.383	0.431	0.010	12.5	40.0	
30 1,1,2-Trichloroethane	0.332	0.326	0.010	1.9	40.0	
31 Tetrachloroethylene	0.549	0.652	0.010	18.9	40.0	
32 [illegible]	0.307	0.334	0.010	8.9	40.0	
33 1,2-Dibromomethane	0.541	0.667	0.010	23.2	40.0	
34 Chlorobenzene	1.068	1.089	0.300	2.0	40.0	
35 Ethylbenzene	0.480	0.488	0.010	1.6	25.0	
36 m,p-Xylenes	0.563	0.574	0.010	2.0	40.0	
37 o-Xylene	0.569	0.579	0.010	1.8	40.0	
38 Styrene	0.862	0.873	0.010	1.3	40.0	
39 Bromoform	0.332	0.503	0.300	31.8	40.0	
40 1,4-Dichlorobenzene (SURR)	0.829	0.900	0.010	8.6	40.0	

Data File: /chem/aux/msc.i/c1114a94.b/c0093.d
Report Date: 14-Nov-1994 13:30

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0093.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 14-NOV-94 12:29
Init. Calibration Date(s): 09/22/94 09/22/94
Init. Calibration Times: 13:37 15:48
Method File: /chem/aux/msc.i/c1114a94.b/8240newc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.669	0.717	0.300	7.1	40.0
45 1,3-Dichlorobenzene	0.916	1.150	0.010	25.5	40.0
46 1,4-Dichlorobenzene	1.043	1.150	0.010	10.3	40.0
47 1,2-Dichlorobenzene	0.909	1.143	0.010	25.8	40.0

ambient

Data File: /chem/aux/msc.i/c111594.b/c0110.d
Report Date: 15-Nov-1994 01:40

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0110.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 15-NOV-94 01:07
Init. Calibration Date(s): 09/22/94 09/22/94
Init. Calibration Times: 13:37 15:48
Method File: /chem/aux/msc.i/c111594.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
1 Methyl chloride	0.579	0.584	0.300	0.7	40.0
2 Vinyl chloride	1.020	0.868	0.010	14.9	25.0
3 Methyl bromide	1.271	0.972	0.010	23.5	40.0
4 Chloroethane	0.582	0.453	0.010	22.1	40.0
5 Acrolein	0.087	0.106	0.010	22.2	40.0
6 1,1-Dichloroethylene	1.259	1.077	0.010	14.4	25.0
7 Acetone	0.269	0.279	0.010	3.7	40.0
8 Carbon disulfide	2.825	2.494	0.010	11.7	40.0
9 Methylene chloride	1.283	1.101	0.010	14.2	40.0
10 Acrylonitrile	0.218	0.196	0.010	10.2	40.0
11 1,2-Trans-dichloroethylene	1.317	1.140	0.010	13.5	40.0
12 1,1-Dichloroethane	2.365	2.077	0.300	12.2	40.0
13 1,2-cis-Dichloroethylene	1.384	1.166	0.010	15.7	40.0
14 Methyl ethyl ketone	0.023	0.027	0.010	17.4	40.0
15 Chloroform	2.908	2.667	0.010	8.3	25.0
16 1,1,1-Trichloroethane	0.557	0.661	0.010	18.6	40.0
17 Carbon tetrachloride	0.542	0.634	0.010	17.0	40.0
18 1,2-Dichloroethane-D4 (SURR)	1.506	1.518	0.010	0.8	40.0
19 Benzene	0.791	0.772	0.010	2.4	40.0
20 1,2-Dichloroethane	1.931	1.776	0.010	8.0	40.0
21 Trichloroethylene	0.469	0.454	0.010	3.1	40.0
22 1,2-Dichloropropane	0.370	0.342	0.010	7.4	25.0
23 Dichlorobromomethane	0.620	0.636	0.010	2.6	40.0
24 2-Chloroethylvinyl ether	0.172	0.161	0.010	6.4	40.0
25 cis-1,3-Dichloropropylene	0.469	0.454	0.010	3.2	40.0
26 Methyl isobutyl ketone	0.483	0.490	0.010	1.4	40.0
27 [illegible] (SURR)	1.158	1.095	0.010	5.4	40.0
28 Toluene	0.758	0.697	0.010	8.2	25.0
29 trans-1,3-Dichloropropylene	0.383	0.391	0.010	2.0	40.0
30 1,1,2-Trichloroethane	0.332	0.311	0.010	6.3	40.0
31 Tetrachloroethylene	0.549	0.629	0.010	14.7	40.0
32 Ethylene [illegible]	0.307	0.295	0.010	3.8	40.0
33 Dibromochloromethane	0.541	0.621	0.010	14.7	40.0
34 Chlorobenzene	1.068	1.048	0.300	1.9	40.0
35 Ethylbenzene	0.480	0.456	0.010	5.0	25.0
36 Xylenes	0.563	0.552	0.010	2.1	40.0
37 [illegible]	0.569	0.541	0.010	4.9	40.0
38 [illegible]	0.862	0.841	0.010	2.5	40.0
39 [illegible]	0.382	0.516	0.300	35.1	40.0
40 Bromofluorobenzene (SURR)	0.829	0.877	0.010	5.8	40.0

Data File: /chem/aux/msc.i/c111594.b/c0110.d
Report Date: 15-Nov-1994 01:40

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0110.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 15-NOV-94 01:07
Init. Calibration Date(s): 09/22/94 09/22/94
Init. Calibration Times: 13:37 15:48
Method File: /chem/aux/msc.i/c111594.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.669	0.656	0.300	1.9	40.0
45 1,3-Dichlorobenzene	0.916	1.159	0.010	26.5	40.0
46 1,4-Dichlorobenzene	1.043	1.358	0.010	30.3	40.0
47 1,2-Dichlorobenzene	0.909	1.149	0.010	26.5	40.0

Data File: /chem/aux/msc.i/c111994.b/c0195.d
Report Date: 19-Nov-1994 16:55

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0195.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 19-NOV-94 16:20
Init. Calibration Date(s): 09/22/94 09/22/94
Init. Calibration Times: 13:37 15:48
Method File: /chem/aux/msc.i/c111994.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
1 Methyl chloride	0.579	0.516	0.300	10.9	40.0
2 Vinyl chloride	1.020	0.811	0.010	20.5	25.0
3 Methyl bromide	1.271	1.042	0.010	18.0	40.0
4 Chloroethane	0.582	0.470	0.010	19.3	40.0
5 Acrolein	0.087	0.092	0.010	6.3	40.0
6 1,1-Dichloroethylene	1.259	1.093	0.010	13.2	25.0
7 Acetone	0.269	0.256	0.010	4.9	40.0
8 Carbon disulfide	2.825	2.252	0.010	20.3	40.0
9 Methylene chloride	1.283	1.070	0.010	16.6	40.0
10 Acrylonitrile	0.218	0.168	0.010	23.1	40.0
11 1,2-Trans-dichloroethylene	1.317	1.156	0.010	12.2	40.0
12 1,1-Dichloroethane	2.365	2.025	0.300	14.4	40.0
13 1,2-cis-Dichloroethylene	1.384	1.190	0.010	14.0	40.0
14 Methyl ethyl ketone	0.023	0.021	0.010	7.9	40.0
15 Chloroform	2.908	2.773	0.010	4.6	25.0
17 1,1,1-Trichloroethane	0.557	0.646	0.010	15.8	40.0
18 Carbon tetrachloride	0.542	0.623	0.010	14.9	40.0
S 19 1,2-Dichloroethane-D4 (SURR)	1.506	1.607	0.010	6.7	40.0
20 Benzene	0.791	0.673	0.010	14.8	40.0
21 1,2-Dichloroethane	1.931	2.010	0.010	4.1	40.0
23 Trichloroethylene	0.469	0.445	0.010	5.0	40.0
24 1,2-Dichloropropane	0.370	0.320	0.010	13.5	25.0
25 Dichlorobromomethane	0.620	0.669	0.010	8.0	40.0
26 2-Chloroethylvinyl ether	0.172	0.150	0.010	12.3	40.0
27 cis-1,3-Dichloropropylene	0.469	0.447	0.010	4.6	40.0
28 Methyl-iso-butyl ketone	0.483	0.445	0.010	7.8	40.0
S 29 Toluene-D8 (SURR)	1.158	1.242	0.010	7.3	40.0
30 Toluene	0.758	0.768	0.010	1.2	25.0
31 trans-1,3-Dichloropropylene	0.383	0.365	0.010	4.6	40.0
32 1,1,2-Trichloroethane	0.332	0.295	0.010	11.3	40.0
33 Tetrachloroethylene	0.549	0.649	0.010	18.2	40.0
34 2-Hexanone	0.307	0.262	0.010	14.5	40.0
35 Chlorodibromomethane	0.541	0.586	0.010	8.3	40.0
37 Chlorobenzene	1.068	1.047	0.300	2.0	40.0
38 Ethylbenzene	0.480	0.455	0.010	5.3	25.0
39 m+p-Xylenes	0.563	0.529	0.010	6.0	40.0
40 o-Xylene	0.569	0.537	0.010	5.6	40.0
41 Styrene	0.862	0.817	0.010	5.3	40.0
42 Bromoform	0.382	0.473	0.300	23.9	40.0
S 43 Bromofluorobenzene (SURR)	0.829	0.884	0.010	6.6	40.0

Data File: /chem/aux/msc.i/c111994.b/c0195.d
Report Date: 19-Nov-1994 16:55

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0195.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 19-NOV-94 16:20
Init. Calibration Date(s): 09/22/94 09/22/94
Init. Calibration Times: 13:37 15:48
Method File: /chem/aux/msc.i/c111994.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.669	0.670	0.300	0.1	40.0
45 1,3-Dichlorobenzene	0.916	1.176	0.010	28.3	40.0
46 1,4-Dichlorobenzene	1.043	1.413	0.010	35.5	40.0
47 1,2-Dichlorobenzene	0.909	1.172	0.010	28.9	40.0

6A
MS VOA

Report Date : 26-Sep-1994 08:15

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A/B

Instrument ID: msc.i Calibration Date(s): 09/24/94 09/24/94

Heated Purge: (Y/N) Y Calibration Times: 1115 1332

GC Column: _____ ID: _____(mm)

Calibration File Names:
Level 1: /chem/msc.i/c092494.b/c9206.d
Level 3: /chem/msc.i/c092494.b/c9208.d
Level 4: /chem/msc.i/c092494.b/c9209.d
Level 5: /chem/msc.i/c092494.b/c9210.d

Compound	10 Level 1	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
1 Methyl chloride	0.57054	0.62303	0.61137	0.57026	0.59380	4.620
2 Vinyl chloride	1.01048	1.05998	1.04872	0.95598	1.01879	4.606
3 Methyl bromide	1.27399	1.32575	1.23164	1.13128	1.24067	6.646
4 Chloroethane	0.59665	0.56506	0.53870	0.49109	0.54787	8.151
5 Acrolein	0.13450	0.16542	0.14254	0.11272	0.13879	15.681
6 1,1-Dichloroethylene	1.18923	1.31275	1.21736	0.92368	1.16076	14.357
7 Acetone	0.58053	0.62938	0.53577	0.48093	0.55665	11.376
8 Carbon disulfide	2.11611	2.86501	2.77857	2.62698	2.59667	12.906
9 Methylene chloride	1.25223	1.33489	1.25111	1.12999	1.24206	6.794
10 Acrylonitrile	0.32784	0.46654	0.41822	0.40049	0.40327	14.262
11 1,2-Trans-dichloroethylene	1.21742	1.34926	1.28773	1.23253	1.27174	4.708
12 1,1-Dichloroethane	2.14763	2.52423	2.41335	2.22127	2.32662	7.432
13 1,2-cis-Dichloroethylene	1.30677	1.46050	1.38938	1.32159	1.36956	5.147
14 Methyl ethyl ketone	0.05041	0.05475	0.05279	0.05146	0.05235	3.574
16 Chloroform	2.82389	3.19258	2.98652	2.80978	2.95319	6.048
17 1,1,1-Trichloroethane	0.55031	0.58783	0.56591	0.54784	0.56297	3.269
18 Carbon tetrachloride	0.53477	0.56408	0.54465	0.54477	0.54707	2.243
20 Benzene	0.80721	0.83193	0.78502	0.75971	0.79597	3.875
21 1,2-Dichloroethane	1.88952	2.15581	2.08384	1.93039	2.01489	6.243
23 Trichloroethylene	0.44750	0.46605	0.44732	0.43090	0.44794	3.207
24 1,2-Dichloropropane	0.35395	0.39010	0.37626	0.36797	0.37207	4.068
25 Dichlorobromomethane	0.59529	0.67039	0.65355	0.65849	0.64443	5.201
26 2-Chloroethylvinyl ether	0.18801	0.23701	0.24476	0.24053	0.22758	11.673
27 cis-1,3-Dichloropropylene	0.42381	0.51234	0.50573	0.50531	0.48680	8.651
[illegible] Methyl-iso-butyl ketone	0.83463	0.96075	0.89562	0.85298	0.88601	6.319
[illegible]0 Toluene	0.76522	0.75065	0.73769	0.70014	0.73842	3.777
31 trans-1,3-Dichloropropylene	0.34490	0.44336	0.44411	0.45088	0.42081	12.053
32 1,1,2-Trichloroethane	0.36254	0.39663	0.38328	0.37717	0.37991	3.723

p 1 of 2

6A
MS VOA

Report Date : 26-Sep-1994 08:15

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A/B

Instrument ID: MSC.i Calibration Date(s): 09/24/94 09/24/94

Heated Purge: (Y/N) Y Calibration Times: 1115 1332

GC Column: _____ ID: _____(mm)

Compound	10 Level 1	50 Level 3	100 Level 4	200 Level 5	___ RRF	% RSD/R^2
33 Tetrachloroethylene	0.54984	0.54594	0.50743	0.49423	0.52436	5.291
34 2-Hexanone	0.56004	0.72031	0.66955	0.65425	0.65103	10.278
35 Chlorodibromomethane	0.52094	0.63197	0.63750	0.64188	0.60807	9.577
37 Chlorobenzene	1.10061	1.07275	1.03402	0.98929	1.04917	4.610
38 Ethylbenzene	0.47172	0.47738	0.46921	0.44948	0.46695	2.599
[illegible] m+p-Xylenes	0.57144	0.56696	0.55510	0.52739	0.55522	3.565
[illegible]0 o-Xylene	0.57614	0.57397	0.54875	0.51617	0.55376	5.052
41 Styrene	0.81194	0.88803	0.86835	0.85003	0.85459	3.790
42 Bromoform	0.35862	0.50540	0.53637	0.54468	0.48627	17.843
44 1,1,2,2-Tetrachloroethane	0.93400	0.99556	0.95179	0.90606	0.94685	3.964
45 1,3-Dichlorobenzene	0.97821	0.91692	0.86410	0.82025	0.89487	7.619
46 1,4-Dichlorobenzene	1.10182	1.06436	0.99289	0.95401	1.02827	6.519
47 1,2-Dichlorobenzene	0.98998	0.90284	0.84547	0.78210	0.88010	10.034
$ 19 1,2-Dichloroethane-D4 (SURR)	1.48429	1.63651	1.65184	1.56747	1.58503	4.828
$ 29 Toluene-D8 (SURR)	1.15927	1.15003	1.17484	1.11603	1.15004	2.163
$ 43 Bromofluorobenzene (SURR)	0.88550	0.83944	0.86804	0.80889	0.85047	3.951

p 2 of 2

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A/B

Instrument ID: MSC.i Calibration Date: 10/28/94 Time: 1945

Lab File ID: C9766.d Init. Calib. Date(s): 09/24/94 09/24/94

Heated Purge: (Y/N) Y Init. Calib. Times: 1115 1332

GC Column: _____ ID: _____(mm)

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.594	0.601	0.300	1.2	40.0	
	2 Vinyl chloride	1.019	0.916	0.010	10.0	25.0	
	3 Methyl bromide	1.241	1.225	0.010	1.3	40.0	
	4 Chloroethane	0.548	0.497	0.010	9.3	40.0	
	5 Acrolein	0.139	0.254	0.010	83.2	40.0	✓ OK TSO
	6 1,1-Dichloroethylene	1.161	1.141	0.010	1.8	25.0	
	7 Acetone	0.557	1.057	0.010	89.9	40.0	✓ OK TSO
	8 Carbon disulfide	2.597	2.312	0.010	11.0	40.0	
	9 Methylene chloride	1.242	1.214	0.010	2.3	40.0	
	10 Acrylonitrile	0.403	0.428	0.010	6.1	40.0	
	11 1,2-Trans-dichloroethylene	1.272	1.187	0.010	6.6	40.0	
	12 1,1-Dichloroethane	2.327	2.133	0.300	8.3	40.0	
	13 1,2-cis-Dichloroethylene	1.370	1.293	0.010	5.6	40.0	
	14 Methyl ethyl ketone	0.052	0.067	0.010	27.9	40.0	
	16 Chloroform	2.953	2.866	0.010	3.0	25.0	
	17 1,1,1-Trichloroethane	0.563	0.576	0.010	2.4	40.0	
	18 Carbon tetrachloride	0.547	0.557	0.010	1.9	40.0	
$	19 1,2-Dichloroethane-D4 (SURR)	1.585	1.581	0.010	0.2	40.0	
	20 Benzene	0.796	0.814	0.010	2.2	40.0	
	21 1,2-Dichloroethane	2.015	2.002	0.010	0.6	40.0	
	23 Trichloroethylene	0.448	0.444	0.010	0.8	40.0	
	24 1,2-Dichloropropane	0.372	0.365	0.010	1.8	25.0	
	25 Dichlorobromomethane	0.644	0.689	0.010	7.0	40.0	
	26 2-Chloroethylvinyl ether	0.228	0.226	0.010	0.9	40.0	
	27 cis-1,3-Dichloropropylene	0.487	0.478	0.010	1.7	40.0	
	28 Methyl-iso-butyl ketone	0.886	0.977	0.010	10.3	40.0	
$	29 Toluene-D8 (SURR)	1.150	1.157	0.010	0.6	40.0	
	30 Toluene	0.738	0.791	0.010	7.1	25.0	
	31 trans-1,3-Dichloropropylene	0.421	0.420	0.010	0.2	40.0	
	32 1,1,2-Trichloroethane	0.380	0.367	0.010	3.4	40.0	
	33 Tetrachloroethylene	0.524	0.533	0.010	1.7	40.0	
	34 2-Hexanone	0.651	0.734	0.010	12.8	40.0	
	35 Chlorodibromomethane	0.608	0.648	0.010	6.5	40.0	
	37 Chlorobenzene	1.049	1.052	0.300	0.2	40.0	
	38 Ethylbenzene	0.467	0.470	0.010	0.6	25.0	
	39 m+p-Xylenes	0.555	0.568	0.010	2.3	40.0	
	40 o-Xylene	0.554	0.565	0.010	2.0	40.0	
	41 Styrene	0.855	0.880	0.010	3.0	40.0	
	42 Bromoform	0.486	0.523	0.300	7.5	40.0	
$	43 Bromofluorobenzene (SURR)	0.850	0.859	0.010	1.0	40.0	

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7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A/B

Instrument ID: msc.i Calibration Date: 10/28/94 Time: 1945

Lab File ID: _____ Init. Calib. Date(s): 09/24/94 09/24/94

Heated Purge: (Y/N) ___ Init. Calib. Times: 1115 1332

GC Column: _____ ID: _____(mm)

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.947	0.979	0.300	3.4	40.0
45 1,3-Dichlorobenzene	0.895	0.946	0.010	5.7	40.0
46 1,4-Dichlorobenzene	1.028	1.047	0.010	1.8	40.0
47 1,2-Dichlorobenzene	0.880	0.862	0.010	2.0	40.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 0008A/B

Instrument ID: MSC.i Calibration Date: 10/30/94 Time: 1123

Lab File ID: C9779 Init. Calib. Date(s): 09/24/94 09/24/94

Heated Purge: (Y/N) Y Init. Calib. Times: 1115 1332

GC Column: _____ ID: _____ (mm)

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.594	0.534	0.300	10.1	40.0	
	2 Vinyl chloride	1.019	0.851	0.010	16.5	25.0	
	3 Methyl bromide	1.241	1.091	0.010	12.0	40.0	
	4 Chloroethane	0.548	0.452	0.010	17.4	40.0	
	5 Acrolein	0.139	0.185	0.010	33.1	40.0	
	6 1,1-Dichloroethylene	1.161	1.126	0.010	3.0	25.0	
	7 Acetone	0.557	0.955	0.010	71.6	40.0	<-
	8 Carbon disulfide	2.597	2.444	0.010	5.9	40.0	
	9 Methylene chloride	1.242	1.226	0.010	1.3	40.0	
	10 Acrylonitrile	0.403	0.395	0.010	2.1	40.0	
	11 1,2-Trans-dichloroethylene	1.272	1.262	0.010	0.8	40.0	
	12 1,1-Dichloroethane	2.327	2.247	0.300	3.4	40.0	
	13 1,2-cis-Dichloroethylene	1.370	1.334	0.010	2.6	40.0	
	14 Methyl ethyl ketone	0.052	0.067	0.010	28.8	40.0	
	16 Chloroform	2.953	2.982	0.010	1.0	25.0	
	17 1,1,1-Trichloroethane	0.563	0.623	0.010	10.6	40.0	
	18 Carbon tetrachloride	0.547	0.604	0.010	10.3	40.0	
S	19 1,2-Dichloroethane-D4 (SURR)	1.585	1.508	0.010	4.9	40.0	
	20 Benzene	0.796	0.839	0.010	5.4	40.0	
	21 1,2-Dichloroethane	2.015	1.935	0.010	4.0	40.0	
	23 Trichloroethylene	0.448	0.452	0.010	0.9	40.0	
	24 1,2-Dichloropropane	0.372	0.355	0.010	4.6	25.0	
	25 Dichlorobromomethane	0.644	0.649	0.010	0.7	40.0	
	26 2-Chloroethylvinyl ether	0.228	0.217	0.010	4.7	40.0	
	27 cis-1,3-Dichloropropylene	0.487	0.490	0.010	0.7	40.0	
	28 Methyl-iso-butyl ketone	0.886	0.873	0.010	1.4	40.0	
S	29 Toluene-D8 (SURR)	1.150	1.125	0.010	2.2	40.0	
	30 Toluene	0.738	0.755	0.010	2.3	25.0	
	31 trans-1,3-Dichloropropylene	0.421	0.430	0.010	2.2	40.0	
	32 1,1,2-Trichloroethane	0.380	0.373	0.010	1.8	40.0	
	33 Tetrachloroethylene	0.524	0.568	0.010	8.4	40.0	
	34 2-Hexanone	0.651	0.663	0.010	1.8	40.0	
	35 Chlorodibromomethane	0.608	0.661	0.010	8.7	40.0	
	37 Chlorobenzene	1.049	1.132	0.300	7.9	40.0	
	38 Ethylbenzene	0.467	0.496	0.010	6.3	25.0	
	39 m+p-Xylenes	0.555	0.591	0.010	6.5	40.0	
	40 o-Xylene	0.554	0.579	0.010	4.5	40.0	
	41 Styrene	0.855	0.912	0.010	6.8	40.0	
	42 Bromoform	0.486	0.537	0.300	10.4	40.0	
S	43 Bromofluorobenzene (SURR)	0.850	0.850	0.010	0.1	40.0	

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7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 003A/B

Instrument ID: MSC.i Calibration Date: 10/30/94 Time: 1123

Lab File ID: C9779 Init. Calib. Date(s): 09/24/94 09/24/94

Heated Purge: (Y/N) ___ Init. Calib. Times: 1115 1332

GC Column: _____ ID: _____(mm)

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.947	0.961	0.300	1.5	40.0
45 1,3-Dichlorobenzene	0.895	0.993	0.010	10.9	40.0
46 1,4-Dichlorobenzene	1.028	1.122	0.010	9.1	40.0
47 1,2-Dichlorobenzene	0.880	0.954	0.010	8.4	40.0

Report Date : 08-Nov-1994 14:58

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 08-NOV-94 10:10
End Cal Date : 08-NOV-94 10:45
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c110894.b/8240newc.m
Cal Date : 08-Nov-1994 14:58 tom

Calibration File Names:
Level 1: /chem/aux/msc.i/c110894.b/c9964.d
Level 2: /chem/aux/msc.i/c110894.b/c9965.d
Level 3: /chem/aux/msc.i/c110894.b/c9970.d
Level 4: /chem/aux/msc.i/c110894.b/c9967.d
Level 5: /chem/aux/msc.i/c110894.b/c9968.d

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
1 Methyl chloride	0.65697	0.74259	0.67275	0.67100	0.69925	0.68851	4.920
2 Vinyl chloride	1.02587	1.09084	0.97272	1.11609	1.08528	1.05816	5.491
3 Methyl bromide	1.31017	1.41025	1.11150	1.25496	1.23384	1.26414	8.645
4 Chloroethane	0.67684	0.61224	0.53237	0.57942	0.56519	0.59321	9.246
5 Acrolein	0.24624	0.26731	0.23616	0.23176	0.07994	0.21228	35.443
6 1,1-Dichloroethylene	1.25018	1.34695	1.18076	1.33573	0.81133	1.18499	18.529
7 Acetone	0.95624	0.81241	0.63186	0.80053	0.71105	0.78242	15.549
8 Carbon disulfide	2.90991	3.12718	2.77872	3.21193	3.09563	3.02467	5.827
9 Methylene chloride	1.49300	1.44233	1.20117	1.28329	1.26765	1.33749	9.276
10 Acrylonitrile	0.41666	0.45202	0.37635	0.40475	0.47300	0.42456	9.031
11 1,2-Trans-dichloroethylene	1.36431	1.41862	1.26154	1.36395	1.38054	1.35779	4.288
12 1,1-Dichloroethane	2.79648	2.81882	2.38863	2.63154	2.41943	2.61098	7.759
13 1,2-cis-Dichloroethylene	1.42955	1.48754	1.32019	1.31474	1.33845	1.37809	5.570
14 Methyl ethyl ketone	0.07645	0.06899	0.05581	0.04560	0.05470	0.06031	20.377
15 Chloroform	3.65869	3.31122	2.96501	3.02193	2.97663	3.18670	9.397
17 1,1,1-Trichloroethane	0.77929	0.73979	0.68873	0.59579	0.62414	0.68555	11.197
18 Carbon tetrachloride	0.73107	0.68163	0.58748	0.58649	0.61402	0.64014	9.980
20 Benzene	0.85138	0.86986	0.77069	0.71825	0.74059	0.79016	8.515
21 1,2-Dichloroethane	2.95714	2.70343	2.11687	2.36132	2.32253	2.49226	13.422
23 Trichloroethylene	0.50982	0.49244	0.45092	0.42230	0.43850	0.46280	7.984
24 1,2-Dichloropropane	0.45232	0.44012	0.38286	0.35858	0.37894	0.40256	10.217
25 Dichlorobromomethane	0.77665	0.82550	0.72309	0.72039	0.74348	0.75782	5.808
26 2-Chloroethyl vinyl ether	0.24286	0.25663	0.23358	0.22398	0.25235	0.24188	5.536
27 cis-1,3-Dichloropropylene	0.56274	0.58336	0.52964	0.50056	0.53337	0.54193	5.898
28 Methyl isobutyl ketone	1.38133	1.27435	1.00001	0.93030	1.09071	1.13534	16.606
* 30 Toluene	1.33646	*****	0.92384	*****	0.83617	1.03216	25.883
31 trans-1,3-Dichloropropylene	0.52696	0.52103	0.47828	0.45876	0.50070	0.49714	5.779

* Dropped two points due to contamination.
DL 11/10/94

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 08-NOV-94 10:10
End Cal Date : 08-NOV-94 10:45
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c110894.b/8240newc.m
Cal Date : 08-Nov-1994 14:58 tom

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
32 1,1,2-Trichloroethane	0.45504	0.43401	0.37573	0.35595	0.38139	0.40042	10.492
33 Tetrachloroethylene	0.78141	0.71458	0.61946	0.60364	0.60744	0.66530	11.921
34 2-Hexanone	1.03759	0.97028	0.72601	0.68955	0.84170	0.85302	17.662
35 Chlorodibromomethane	0.69593	0.75016	0.69253	0.68835	0.75482	0.71636	4.626
37 Chlorobenzene	1.39026	1.22893	1.05329	1.03834	1.04825	1.15181	13.458
38 Ethylbenzene	0.62640	0.51614	0.45601	0.44437	0.45496	0.49958	15.276
39 m+p-Xylenes	0.74044	0.61802	0.54786	0.53940	0.53581	0.59631	14.642
40 o-Xylene	0.72467	0.62959	0.54233	0.52558	0.52837	0.59011	14.657
41 Styrene	1.00318	0.92852	0.83161	0.84442	0.85607	0.89276	8.095
42 Bromoform	0.71505	0.68633	0.62028	0.62966	0.69332	0.66893	6.224
44 1,1,2,2-Tetrachloroethane	1.44038	1.26223	0.95104	0.92848	1.02933	1.12229	19.739
45 1,3-Dichlorobenzene	1.52617	1.38307	1.08234	1.09212	1.07120	1.23098	17.097
46 1,4-Dichlorobenzene	1.65833	1.61642	1.25974	1.27001	1.26638	1.41418	14.448
47 1,2-Dichlorobenzene	1.53112	1.40137	1.08654	1.08524	1.09934	1.24072	17.006
$ 19 1,2-Dichloroethane-D4 (SURR)	2.03863	1.90844	1.51313	1.69978	1.74771	1.78154	11.299
$ 29 Toluene-D8 (SURR)	1.34519	1.30820	1.13239	1.07100	1.07957	1.18727	10.957
$ 43 Bromofluorobenzene (SURR)	1.17398	1.00284	0.83365	0.80113	0.80735	0.92379	17.586

Data File: /chem/aux/msc.i/c1110a94.b/c0018.d
Report Date: 11-Nov-1994 07:36

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0018.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 10-NOV-94 18:19
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c1110a94.b/8240newc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.689	0.680	0.300	1.2	40.0	
	2 Vinyl chloride	1.058	0.997	0.010	5.8	25.0	
	3 Methyl bromide	1.264	1.155	0.010	8.6	40.0	
	4 Chloroethane	0.593	0.524	0.010	11.7	40.0	
	5 Acrolein	0.212	0.222	0.010	4.4	40.0	
	6 1,1-Dichloroethylene	1.185	1.149	0.010	3.1	25.0	
	7 Acetone	0.782	0.647	0.010	17.3	40.0	
	8 Carbon disulfide	3.025	2.531	0.010	16.3	40.0	
	9 Methylene chloride	1.337	1.276	0.010	4.6	40.0	
	10 Acrylonitrile	0.425	0.389	0.010	8.5	40.0	
	11 1,2-Trans-dichloroethylene	1.358	1.228	0.010	9.6	40.0	
	12 1,1-Dichloroethane	2.611	2.295	0.300	12.1	40.0	
	13 1,2-cis-Dichloroethylene	1.378	1.217	0.010	11.7	40.0	
	14 Methyl ethyl ketone	0.060	0.052	0.010	13.4	40.0	
	16 Chloroform	3.187	2.800	0.010	12.1	25.0	
	17 1,1,1-Trichloroethane	0.686	0.616	0.010	10.1	40.0	
	18 Carbon tetrachloride	0.640	0.588	0.010	8.1	40.0	
S	19 1,2-Dichloroethane-D4 (SURR)	1.782	1.666	0.010	6.5	40.0	
	20 Benzene	0.790	0.762	0.010	3.5	40.0	
	21 1,2-Dichloroethane	2.492	2.130	0.010	14.5	40.0	
	23 Trichloroethylene	0.463	0.443	0.010	4.2	40.0	
	24 1,2-Dichloropropane	0.403	0.357	0.010	11.4	25.0	
	25 Dichlorobromomethane	0.758	0.699	0.010	7.7	40.0	
	26 2-Chloroethylvinyl ether	0.242	0.220	0.010	9.0	40.0	
	27 cis-1,3-Dichloropropylene	0.542	0.495	0.010	8.6	40.0	
	28 Methyl-iso-butyl ketone	1.135	0.953	0.010	16.1	40.0	
S	29 Toluene-D8 (SURR)	1.187	1.106	0.010	6.9	40.0	
	30 Toluene	1.032	0.690	0.010	33.1	25.0	<-
	31 trans-1,3-Dichloropropylene	0.497	0.445	0.010	10.5	40.0	
	32 1,1,2-Trichloroethane	0.400	0.345	0.010	13.8	40.0	
	33 Tetrachloroethylene	0.665	0.580	0.010	12.9	40.0	
	34 2-Hexanone	0.853	0.715	0.010	16.1	40.0	
	35 Chlorodibromomethane	0.716	0.671	0.010	6.3	40.0	
	37 Chlorobenzene	1.152	1.022	0.300	11.2	40.0	
	38 Ethylbenzene	0.500	0.453	0.010	9.2	25.0	
	39 m+p-Xylenes	0.596	0.537	0.010	9.9	40.0	
	40 o-Xylene	0.590	0.532	0.010	9.9	40.0	
	41 Styrene	0.893	0.836	0.010	6.4	40.0	
	42 Bromoform	0.669	0.595	0.300	11.0	40.0	
S	43 Bromofluorobenzene (SURR)	0.924	0.832	0.010	10.0	40.0	

Data File: /chem/aux/msc.i/c1110a94.b/c0018.d
Report Date: 11-Nov-1994 07:36

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0018.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 10-NOV-94 18:19
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c1110a94.b/8240newc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.122	0.880	0.300	21.6	40.0
45 1,3-Dichlorobenzene	1.231	0.958	0.010	22.2	40.0
46 1,4-Dichlorobenzene	1.414	1.053	0.010	25.5	40.0
47 1,2-Dichlorobenzene	1.241	0.947	0.010	23.6	40.0

Data File: /chem/aux/msc.i/c111194.b/c0035.d
Report Date: 11-Nov-1994 09:56

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0035.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 11-NOV-94 09:24
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111194.b/8240newc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
1 Methyl chloride	0.689	0.630	0.300	8.6	40.0	
2 Vinyl chloride	1.058	0.998	0.010	5.7	25.0	
3 Methyl bromide	1.264	1.155	0.010	8.6	40.0	
4 Chloroethane	0.593	0.548	0.010	7.6	40.0	
5 Acrolein	0.212	0.219	0.010	3.2	40.0	
6 1,1-Dichloroethylene	1.185	1.197	0.010	1.0	25.0	
7 Acetone	0.782	0.638	0.010	18.4	40.0	
8 Carbon disulfide	3.025	2.548	0.010	15.7	40.0	
9 Methylene chloride	1.337	1.264	0.010	5.5	40.0	
10 Acrylonitrile	0.425	0.381	0.010	10.3	40.0	
11 1,2-Trans-dichloroethylene	1.358	1.293	0.010	4.8	40.0	
12 1,1-Dichloroethane	2.611	2.440	0.300	6.5	40.0	
13 1,2-cis-Dichloroethylene	1.378	1.295	0.010	6.0	40.0	
14 Methyl ethyl ketone	0.060	0.051	0.010	15.3	40.0	
16 Chloroform	3.187	3.106	0.010	2.5	25.0	
17 1,1,1-Trichloroethane	0.686	0.685	0.010	0.1	40.0	
18 Carbon tetrachloride	0.640	0.628	0.010	1.8	40.0	
19 1,2-Dichloroethane-D4 (SURR)	1.782	1.974	0.010	10.8	40.0	
20 Benzene	0.790	0.770	0.010	2.6	40.0	
21 1,2-Dichloroethane	2.492	2.452	0.010	1.6	40.0	
23 Trichloroethylene	0.463	0.446	0.010	3.6	40.0	
24 1,2-Dichloropropane	0.403	0.383	0.010	4.8	25.0	
25 Dichlorobromomethane	0.758	0.759	0.010	0.2	40.0	
26 2-Chloroethylvinyl ether	0.242	0.231	0.010	4.4	40.0	
27 cis-1,3-Dichloropropylene	0.542	0.526	0.010	3.0	40.0	
28 Methyl-iso-butyl ketone	1.135	0.950	0.010	16.3	40.0	
29 Toluene-D8 (SURR)	1.187	1.167	0.010	1.7	40.0	
30 Toluene	1.032	0.740	0.010	28.3	25.0	<-
31 trans-1,3-Dichloropropylene	0.497	0.455	0.010	8.4	40.0	
32 1,1,2-Trichloroethane	0.400	0.364	0.010	9.1	40.0	
33 Tetrachloroethylene	0.665	0.632	0.010	5.0	40.0	
34 2-Hexanone	0.853	0.714	0.010	16.3	40.0	
35 Chlorodibromomethane	0.716	0.649	0.010	9.4	40.0	
37 Chlorobenzene	1.152	1.088	0.300	5.5	40.0	
38 Ethylbenzene	0.500	0.468	0.010	6.3	25.0	
39 m,p-Xylenes	0.596	0.556	0.010	6.8	40.0	
40 o-Xylene	0.590	0.546	0.010	7.5	40.0	
41 Styrene	0.893	0.836	0.010	6.3	40.0	
42 Bromoform	0.669	0.592	0.300	11.6	40.0	
43 Bromofluorobenzene (SURR)	0.924	0.931	0.010	0.8	40.0	

Data File: /chem/aux/msc.i/c111194.b/c0035.d
Report Date: 11-Nov-1994 09:56

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0035.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 11-NOV-94 09:24
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111194.b/8240newc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.122	1.000	0.300	10.9	40.0
45 1,3-Dichlorobenzene	1.231	1.158	0.010	5.9	40.0
46 1,4-Dichlorobenzene	1.414	1.357	0.010	4.1	40.0
47 1,2-Dichlorobenzene	1.241	1.185	0.010	4.5	40.0

Data File: /chem/aux/msc.i/c111394.b/c0064.d
Report Date: 13-Nov-1994 14:34

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0064.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 13-NOV-94 13:59
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111394.b/8240newc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.689	0.455	0.300	34.0	40.0	
	2 Vinyl chloride	1.058	0.818	0.010	22.7	25.0	
	3 Methyl bromide	1.264	1.052	0.010	16.8	40.0	
	4 Chloroethane	0.593	0.505	0.010	14.8	40.0	
	5 Acrolein	0.212	0.211	0.010	0.5	40.0	
	6 1,1-Dichloroethylene	1.185	1.053	0.010	11.2	25.0	
	7 Acetone	0.782	0.658	0.010	15.9	40.0	
	8 Carbon disulfide	3.025	2.317	0.010	23.4	40.0	
	9 Methylene chloride	1.337	1.154	0.010	13.8	40.0	
	10 Acrylonitrile	0.425	0.380	0.010	10.5	40.0	
	11 1,2-Trans-dichloroethylene	1.358	1.164	0.010	14.3	40.0	
	12 1,1-Dichloroethane	2.611	2.244	0.300	14.1	40.0	
	13 1,2-cis-Dichloroethylene	1.378	1.233	0.010	10.5	40.0	
	14 Methyl ethyl ketone	0.060	0.060	0.010	0.5	40.0	
	16 Chloroform	3.187	3.055	0.010	4.1	25.0	
	17 1,1,1-Trichloroethane	0.686	0.726	0.010	5.9	40.0	
	18 Carbon tetrachloride	0.640	0.661	0.010	3.3	40.0	
S	19 1,2-Dichloroethane-D4 (SURR)	1.782	2.017	0.010	13.2	40.0	
	20 Benzene	0.790	0.791	0.010	0.1	40.0	
	21 1,2-Dichloroethane	2.492	2.331	0.010	6.5	40.0	
	23 Trichloroethylene	0.463	0.454	0.010	1.9	40.0	
	24 1,2-Dichloropropane	0.403	0.374	0.010	7.2	25.0	
	25 Dichlorobromomethane	0.758	0.813	0.010	7.2	40.0	
	26 2-Chloroethylvinyl ether	0.242	0.224	0.010	7.4	40.0	
	27 cis-1,3-Dichloropropylene	0.542	0.527	0.010	2.8	40.0	
	28 Methyl-iso-butyl ketone	1.135	0.984	0.010	13.3	40.0	
S	29 Toluene-D8 (SURR)	1.187	1.159	0.010	2.4	40.0	
	30 Toluene	1.032	0.706	0.010	31.6	25.0	<-
	31 trans-1,3-Dichloropropylene	0.497	0.480	0.010	3.4	40.0	
	32 1,1,2-Trichloroethane	0.400	0.389	0.010	2.9	40.0	
	33 Tetrachloroethylene	0.665	0.592	0.010	10.9	40.0	
	34 2-Hexanone	0.853	0.744	0.010	12.8	40.0	
	35 Chlorodibromomethane	0.716	0.797	0.010	11.2	40.0	
	37 Chlorobenzene	1.152	1.065	0.300	7.5	40.0	
	38 Ethylbenzene	0.500	0.472	0.010	5.6	25.0	
	39 m-p-Xylenes	0.596	0.570	0.010	4.3	40.0	
	40 o-Xylene	0.590	0.563	0.010	4.5	40.0	
	41 Styrene	0.893	0.851	0.010	4.7	40.0	
	42 Bromoform	0.669	0.694	0.300	3.8	40.0	
S	43 Bromofluorobenzene (SURR)	0.924	0.909	0.010	1.6	40.0	

Data File: /chem/aux/msc.i/c111394.b/c0064.d
Report Date: 13-Nov-1994 14:34

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0064.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 13-NOV-94 13:59
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111394.b/8240newc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.122	1.022	0.300	8.9	40.0
45 1,3-Dichlorobenzene	1.231	1.094	0.010	11.1	40.0
46 1,4-Dichlorobenzene	1.414	1.305	0.010	7.8	40.0
47 1,2-Dichlorobenzene	1.241	1.143	0.010	7.9	40.0

Data File: /chem/aux/msc.i/c111494.b/c0088.d
Report Date: 14-Nov-1994 09:56

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0088.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 14-NOV-94 09:23
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111494.b/8240newc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
1 Methyl chloride	0.689	0.598	0.300	13.2	40.0	
2 Vinyl chloride	1.058	0.963	0.010	8.9	25.0	
3 Methyl bromide	1.264	1.128	0.010	10.7	40.0	
4 Chloroethane	0.593	0.505	0.010	15.0	40.0	
5 Acrolein	0.212	0.269	0.010	26.8	40.0	
6 1,1-Dichloroethylene	1.185	1.181	0.010	0.3	25.0	
7 Acetone	0.782	0.904	0.010	15.6	40.0	
8 Carbon disulfide	3.025	2.525	0.010	16.5	40.0	
9 Methylene chloride	1.337	1.305	0.010	2.4	40.0	
10 Acrylonitrile	0.425	0.456	0.010	7.4	40.0	
11 1,2-Trans-dichloroethylene	1.358	1.270	0.010	6.5	40.0	
12 1,1-Dichloroethane	2.611	2.332	0.300	10.7	40.0	
13 1,2-cis-Dichloroethylene	1.378	1.309	0.010	5.0	40.0	
14 Methyl ethyl ketone	0.060	0.064	0.010	6.0	40.0	
15 Chloroform	3.187	3.116	0.010	2.2	25.0	
17 1,1,1-Trichloroethane	0.686	0.706	0.010	3.1	40.0	
18 Carbon tetrachloride	0.640	0.697	0.010	8.9	40.0	
19 1,2-Dichloroethane-D4 (SURR)	1.782	1.870	0.010	5.0	40.0	
20 Benzene	0.790	0.822	0.010	4.1	40.0	
21 1,2-Dichloroethane	2.492	2.443	0.010	2.0	40.0	
23 Trichloroethylene	0.463	0.474	0.010	2.5	40.0	
24 1,2-Dichloropropane	0.403	0.375	0.010	6.8	25.0	
25 Dichlorobromomethane	0.758	0.759	0.010	0.2	40.0	
26 2-Chloroethylvinyl ether	0.242	0.215	0.010	11.0	40.0	
27 cis-1,3-Dichloropropylene	0.542	0.481	0.010	11.3	40.0	
28 Methyl-iso-butyl ketone	1.135	1.075	0.010	5.3	40.0	
29 Toluene-D8 (SURR)	1.187	1.157	0.010	2.5	40.0	
30 Toluene	1.032	0.734	0.010	28.9	25.0	<-
31 trans-1,3-Dichloropropylene	0.497	0.450	0.010	9.5	40.0	
32 1,1,2-Trichloroethane	0.400	0.358	0.010	10.6	40.0	
33 Tetrachloroethylene	0.665	0.646	0.010	2.8	40.0	
34 2-Hexanone	0.853	0.834	0.010	2.2	40.0	
35 Chlorodibromomethane	0.716	0.762	0.010	6.3	40.0	
37 Chlorobenzene	1.152	1.125	0.300	2.3	40.0	
38 Ethylbenzene	0.500	0.487	0.010	2.5	25.0	
39 m-p-Xylenes	0.596	0.592	0.010	0.8	40.0	
40 o-Xylene	0.590	0.584	0.010	1.1	40.0	
41 Styrene	0.893	0.888	0.010	0.5	40.0	
42 Bromoform	0.669	0.661	0.300	1.2	40.0	
43 Bromofluorobenzene (SURR)	0.924	0.956	0.010	3.5	40.0	

Data File: /chem/aux/msc.i/c111494.b/c0088.d
Report Date: 14-Nov-1994 09:56

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0088.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 14-NOV-94 09:23
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111494.b/8240newc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.122	1.068	0.300	4.9	40.0
45 1,3-Dichlorobenzene	1.231	1.275	0.010	3.6	40.0
46 1,4-Dichlorobenzene	1.414	1.481	0.010	4.7	40.0
47 1,2-Dichlorobenzene	1.241	1.259	0.010	1.4	40.0

Data File: /chem/aux/msc.i/c111594a.b/c0117.d
Report Date: 15-Nov-1994 12:01

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0117.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 15-NOV-94 05:08
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111594a.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
1 Methyl chloride	0.689	0.596	0.300	13.4	40.0
2 Vinyl chloride	1.058	0.981	0.010	7.3	25.0
3 Methyl bromide	1.264	1.149	0.010	9.1	40.0
4 Chloroethane	0.593	0.524	0.010	11.6	40.0
5 Acrolein	0.212	0.232	0.010	9.1	40.0
6 1,1-Dichloroethylene	1.185	1.114	0.010	6.0	25.0
7 Acetone	0.782	0.683	0.010	12.7	40.0
8 Carbon disulfide	3.025	2.539	0.010	16.0	40.0
9 Methylene chloride	1.337	1.208	0.010	9.7	40.0
10 Acrylonitrile	0.425	0.415	0.010	2.2	40.0
11 1,2-Trans-dichloroethylene	1.358	1.186	0.010	12.6	40.0
12 1,1-Dichloroethane	2.611	2.336	0.300	10.5	40.0
13 1,2-cis-Dichloroethylene	1.378	1.223	0.010	11.2	40.0
14 Methyl ethyl ketone	0.060	0.055	0.010	9.3	40.0
15 Chloroform	3.187	3.061	0.010	4.0	25.0
16 1,1,1-Trichloroethane	0.686	0.645	0.010	5.9	40.0
17 Carbon tetrachloride	0.640	0.636	0.010	0.6	40.0
18 1,2-Dichloroethane-D4 (SURR)	1.782	1.912	0.010	7.3	40.0
19 Benzene	0.790	0.767	0.010	2.9	40.0
20 1,2-Dichloroethane	2.492	2.416	0.010	3.1	40.0
21 Trichloroethylene	0.463	0.458	0.010	0.9	40.0
22 1,2-Dichloropropane	0.403	0.362	0.010	10.2	25.0
23 Dichlorobromomethane	0.758	0.721	0.010	4.9	40.0
24 2-Chloroethylvinyl ether	0.242	0.222	0.010	8.2	40.0
25 cis-1,3-Dichloropropylene	0.542	0.494	0.010	8.9	40.0
26 Methyl-iso-butyl ketone	1.135	0.945	0.010	16.8	40.0
27 Toluene-D8 (SURR)	1.187	1.111	0.010	6.4	40.0
28 Toluene	1.032	0.683	0.010	33.9	25.0 <-
29 trans-1,3-Dichloropropylene	0.497	0.456	0.010	8.2	40.0
30 1,1,2-Trichloroethane	0.400	0.362	0.010	9.5	40.0
31 Tetrachloroethylene	0.665	0.606	0.010	9.0	40.0
32 2-Hexanone	0.853	0.720	0.010	15.6	40.0
33 Chlorodibromomethane	0.716	0.748	0.010	4.4	40.0
34 Chlorobenzene	1.152	1.045	0.300	9.3	40.0
35 Ethylbenzene	0.500	0.459	0.010	8.2	25.0
36 m,p-Xylenes	0.596	0.545	0.010	8.6	40.0
37 o-Xylene	0.590	0.550	0.010	6.8	40.0
38 Styrene	0.893	0.835	0.010	6.4	40.0
39 Bromoform	0.669	0.630	0.300	5.8	40.0
40 Bromofluorobenzene (SURR)	0.924	0.900	0.010	2.5	40.0

Data File: /chem/aux/msc.i/c111594a.b/c0117.d
Report Date: 15-Nov-1994 12:01

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0117.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 15-NOV-94 05:08
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111594a.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.122	0.921	0.300	17.9	40.0
45 1,3-Dichlorobenzene	1.231	1.099	0.010	10.7	40.0
46 1,4-Dichlorobenzene	1.414	1.329	0.010	6.0	40.0
47 1,2-Dichlorobenzene	1.241	1.227	0.010	1.1	40.0

Data File: /chem/aux/msc.i/c111594d.b/c0133.d
Report Date: 16-Nov-1994 15:43

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0133.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 15-NOV-94 15:44
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111594d.b/8240heatc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.689	0.518	0.300	24.7	40.0	
	2 Vinyl chloride	1.058	0.857	0.010	19.0	25.0	
	3 Methyl bromide	1.264	0.994	0.010	21.4	40.0	
	4 Chloroethane	0.593	0.446	0.010	24.7	40.0	
	5 Acrolein	0.212	0.231	0.010	8.8	40.0	
	6 1,1-Dichloroethylene	1.185	1.091	0.010	7.9	25.0	
	7 Acetone	0.782	0.716	0.010	8.4	40.0	
	8 Carbon disulfide	3.025	2.419	0.010	20.0	40.0	
	9 Methylene chloride	1.337	1.181	0.010	11.7	40.0	
	10 Acrylonitrile	0.425	0.399	0.010	6.1	40.0	
	11 1,2-Trans-dichloroethylene	1.358	1.172	0.010	13.7	40.0	
	12 1,1-Dichloroethane	2.611	2.047	0.300	21.6	40.0	
	13 1,2-cis-Dichloroethylene	1.378	1.152	0.010	16.4	40.0	
	14 Methyl ethyl ketone	0.060	0.059	0.010	3.0	40.0	
	16 Chloroform	3.187	2.600	0.010	18.4	25.0	
	17 1,1,1-Trichloroethane	0.686	0.584	0.010	14.7	40.0	
	18 Carbon tetrachloride	0.640	0.579	0.010	9.5	40.0	
C	19 1,2-Dichloroethane-D4 (SURR)	1.782	1.664	0.010	6.6	40.0	
	20 Benzene	0.790	0.739	0.010	6.4	40.0	
	21 1,2-Dichloroethane	2.492	1.972	0.010	20.9	40.0	
	23 Trichloroethylene	0.463	0.450	0.010	2.7	40.0	
	24 1,2-Dichloropropane	0.403	0.344	0.010	14.6	25.0	
	25 Dichlorobromomethane	0.758	0.671	0.010	11.5	40.0	
	26 2-Chloroethylvinyl ether	0.242	0.214	0.010	11.5	40.0	
	27 cis-1,3-Dichloropropylene	0.542	0.469	0.010	13.5	40.0	
	28 Methyl-iso-butyl ketone	1.135	0.989	0.010	12.8	40.0	
S	29 Toluene-D8 (SURR)	1.187	1.052	0.010	11.4	40.0	
	30 Toluene	1.032	0.663	0.010	35.8	25.0	<-
	31 trans-1,3-Dichloropropylene	0.497	0.419	0.010	15.8	40.0	
	32 1,1,2-Trichloroethane	0.400	0.347	0.010	13.4	40.0	
	33 Tetrachloroethylene	0.665	0.613	0.010	7.9	40.0	
	34 2-Hexanone	0.853	0.746	0.010	12.5	40.0	
	35 Chlorodibromomethane	0.716	0.700	0.010	2.3	40.0	
	37 Chlorobenzene	1.152	1.027	0.300	10.9	40.0	
	38 Ethylbenzene	0.500	0.442	0.010	11.6	25.0	
	39 m+p-Xylenes	0.596	0.537	0.010	10.0	40.0	
	40 o-Xylene	0.590	0.529	0.010	10.4	40.0	
	41 Styrene	0.893	0.815	0.010	8.7	40.0	
	42 Bromoform	0.669	0.669	0.300	0.0	40.0	
C	43 Bromofluorobenzene (SURR)	0.924	0.870	0.010	5.8	40.0	

Data File: /chem/aux/msc.i/c111594d.b/c0133.d
Report Date: 16-Nov-1994 15:43

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0133.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 15-NOV-94 15:44
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111594d.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.122	0.911	0.300	18.8	40.0
45 1,3-Dichlorobenzene	1.231	1.107	0.010	10.1	40.0
46 1,4-Dichlorobenzene	1.414	1.342	0.010	5.1	40.0
47 1,2-Dichlorobenzene	1.241	1.126	0.010	9.3	40.0

Data File: /chem/aux/msc.i/c111894.b/c0173.d
Report Date: 18-Nov-1994 12:02

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0173.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 11:32
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111894.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
1 Methyl chloride	0.689	0.523	0.300	24.1	40.0	
2 Vinyl chloride	1.058	0.889	0.010	16.0	25.0	
3 Methyl bromide	1.264	1.077	0.010	14.8	40.0	
4 Chloroethane	0.593	0.513	0.010	13.5	40.0	
5 Acrolein	0.212	0.208	0.010	1.9	40.0	
6 1,1-Dichloroethylene	1.185	1.105	0.010	6.8	25.0	
7 Acetone	0.782	0.662	0.010	15.4	40.0	
8 Carbon disulfide	3.025	2.400	0.010	20.7	40.0	
9 Methylene chloride	1.337	1.134	0.010	15.2	40.0	
10 Acrylonitrile	0.425	0.354	0.010	16.5	40.0	
11 1,2-Trans-dichloroethylene	1.358	1.184	0.010	12.8	40.0	
12 1,1-Dichloroethane	2.611	2.253	0.300	13.7	40.0	
13 1,2-cis-Dichloroethylene	1.378	1.246	0.010	9.5	40.0	
14 Methyl ethyl ketone	0.060	0.056	0.010	6.9	40.0	
15 Chloroform	3.187	2.992	0.010	6.1	25.0	
16 1,1,1-Trichloroethane	0.686	0.716	0.010	4.5	40.0	
17 Carbon tetrachloride	0.640	0.687	0.010	7.3	40.0	
18 1,2-Dichloroethane-D4 (SURR)	1.782	2.042	0.010	14.6	40.0	
19 Benzene	0.790	0.742	0.010	6.1	40.0	
20 1,2-Dichloroethane	2.492	2.526	0.010	1.3	40.0	
21 Trichloroethylene	0.463	0.442	0.010	4.5	40.0	
22 1,2-Dichloropropane	0.403	0.355	0.010	11.7	25.0	
23 Dichlorobromomethane	0.758	0.718	0.010	5.2	40.0	
24 2-Chloroethylvinyl ether	0.242	0.211	0.010	12.9	40.0	
25 cis-1,3-Dichloropropylene	0.542	0.472	0.010	12.8	40.0	
26 Methyl isobutyl ketone	1.135	1.057	0.010	6.0	40.0	
27 Toluene-D8 (SURR)	1.187	1.156	0.010	2.7	40.0	
28 Toluene	1.032	0.745	0.010	27.8	25.0	<-
29 trans 1,3-Dichloropropylene	0.497	0.440	0.010	11.5	40.0	
30 1,1,2-Trichloroethane	0.400	0.354	0.010	11.7	40.0	
31 Tetrachloroethylene	0.665	0.647	0.010	2.7	40.0	
32 Dibromochloromethane	0.853	0.807	0.010	5.4	40.0	
33 1,2-Dibromoethane	0.716	0.668	0.010	6.8	40.0	
34 Chlorobenzene	1.152	1.103	0.300	4.2	40.0	
35 Ethylbenzene	0.500	0.467	0.010	6.6	25.0	
36 m,p-Xylenes	0.596	0.556	0.010	6.8	40.0	
37 o-Xylene	0.590	0.556	0.010	5.7	40.0	
38 Styrene	0.893	0.856	0.010	4.1	40.0	
39 Bromoform	0.669	0.642	0.300	4.0	40.0	
40 m-Dichlorobenzene (SURR)	0.924	0.950	0.010	2.8	40.0	

Data File: /chem/aux/msc.i/c111894.b/c0173.d
Report Date: 18-Nov-1994 12:02

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0173.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 11:32
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111894.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.122	1.045	0.300	6.9	40.0
45 1,3-Dichlorobenzene	1.231	1.215	0.010	1.3	40.0
46 1,4-Dichlorobenzene	1.414	1.450	0.010	2.5	40.0
47 1,2-Dichlorobenzene	1.241	1.269	0.010	2.3	40.0

Data File: /chem/aux/msc.i/c111794.b/c0150.d
Report Date: 17-Nov-1994 16:48

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0150.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-NOV-94 14:36
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111794.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
1 Methyl chloride	0.689	0.598	0.300	13.1	40.0	
2 Vinyl chloride	1.058	0.905	0.010	14.4	25.0	
3 Methyl bromide	1.264	1.055	0.010	16.6	40.0	
4 Chloroethane	0.593	0.493	0.010	16.8	40.0	
5 Acrolein	0.212	0.171	0.010	19.2	40.0	
6 1,1-Dichloroethylene	1.185	1.095	0.010	7.6	25.0	
7 Acetone	0.782	0.508	0.010	35.0	40.0	
8 Carbon disulfide	3.025	2.447	0.010	19.1	40.0	
9 Methylene chloride	1.337	1.099	0.010	17.8	40.0	
10 Acrylonitrile	0.425	0.328	0.010	22.8	40.0	
11 1,2-Trans-dichloroethylene	1.358	1.158	0.010	14.7	40.0	
12 1,1-Dichloroethane	2.611	2.141	0.300	18.0	40.0	
13 1,2-cis-Dichloroethylene	1.378	1.238	0.010	10.2	40.0	
14 Methyl ethyl ketone	0.060	0.048	0.010	20.3	40.0	
15 Chloroform	3.187	2.780	0.010	12.8	25.0	
17 1,1,1-Trichloroethane	0.686	0.631	0.010	7.9	40.0	
18 Carbon tetrachloride	0.640	0.573	0.010	10.5	40.0	
19 1,2-Dichloroethane-D4 (SURR)	1.782	1.652	0.010	7.2	40.0	
20 Benzene	0.790	0.739	0.010	6.5	40.0	
21 1,2-Dichloroethane	2.492	2.141	0.010	14.1	40.0	
23 Trichloroethylene	0.463	0.424	0.010	8.3	40.0	
24 1,2-Dichloropropane	0.403	0.347	0.010	13.8	25.0	
25 Dichlorobromomethane	0.758	0.690	0.010	9.0	40.0	
26 2-Chloroethylvinyl ether	0.242	0.193	0.010	20.1	40.0	
27 cis-1,3-Dichloropropylene	0.542	0.437	0.010	19.3	40.0	
28 Methyl-iso-butyl ketone	1.135	0.847	0.010	25.4	40.0	
29 Toluene-D8 (SURR)	1.187	1.098	0.010	7.5	40.0	
30 Toluene	1.032	0.718	0.010	30.5	25.0	<-
31 trans-1,3-Dichloropropylene	0.497	0.396	0.010	20.3	40.0	
32 1,1,2-Trichloroethane	0.400	0.326	0.010	18.5	40.0	
33 Tetrachloroethylene	0.665	0.593	0.010	10.9	40.0	
34 2-Hexanone	0.853	0.645	0.010	24.4	40.0	
35 Chlorodibromomethane	0.716	0.599	0.010	16.4	40.0	
37 Chlorobenzene	1.152	1.052	0.300	8.7	40.0	
38 Ethylbenzene	0.500	0.452	0.010	9.5	25.0	
39 m-p-Xylenes	0.596	0.544	0.010	8.8	40.0	
40 o-Xylene	0.590	0.544	0.010	7.8	40.0	
41 Styrene	0.893	0.841	0.010	5.8	40.0	
42 Bromoform	0.659	0.575	0.300	14.0	40.0	
43 Bromofluorobenzene (SURR)	0.924	0.908	0.010	1.7	40.0	

Data File: /chem/aux/msc.i/c111794.b/c0150.d
Report Date: 17-Nov-1994 16:48

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0150.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-NOV-94 14:36
Init. Calibration Date(s): 11/08/94 11/08/94
Init. Calibration Times: 10:10 10:45
Method File: /chem/aux/msc.i/c111794.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.122	0.942	0.300	16.0	40.0
45 1,3-Dichlorobenzene	1.231	1.083	0.010	12.0	40.0
46 1,4-Dichlorobenzene	1.414	1.309	0.010	7.5	40.0
47 1,2-Dichlorobenzene	1.241	1.073	0.010	13.5	40.0

Heated (40°C)

Report Date : 17-Nov-1994 12:01

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 15-NOV-94 00:25
End Cal Date : 15-NOV-94 02:30
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/msa.i/a111594.b/8240heata.m
Cal Date : 17-Nov-1994 11:45 jeff

Calibration File Names:
Level 1: /chem/msa.i/a111594.b/a4677.d
Level 2: /chem/msa.i/a111594.b/a4678.d
Level 3: /chem/msa.i/a111594.b/a4679.d
Level 4: /chem/msa.i/a111594.b/a4680.d

	Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	___ RRF	% RSD/R^2
1	Methyl [illegible]	0.40508	0.46973	0.47480	0.49094	0.46014	8.216
2	Vinyl [illegible]	1.50813	1.71170	1.73593	1.76951	1.68132	7.010
3	Methyl [illegible]	0.67239	0.51093	0.51475	0.46427	0.54058	16.799
4	[illegible]	0.45378	0.43918	0.28179	0.25371	0.35711	29.121
5	[illegible]	1.96146	1.62438	1.61442	1.30175	1.62550	16.576
6	[illegible]	1.30343	1.22881	1.18478	1.05455	1.19289	8.754
7	[illegible]	2.25371	1.43607	1.06275	1.02243	1.44374	39.563
8	[illegible]	3.46023	3.51385	3.26803	2.95972	3.30045	7.589
9	[illegible]	1.78806	1.47901	1.33241	1.26116	1.46516	15.943
10	[illegible]	0.93761	0.82162	0.84030	0.86722	0.86669	5.867
11	[illegible] Trans [illegible] dichloroethylene	1.32596	1.34547	1.30762	1.23240	1.30286	3.796
12	[illegible]	2.15931	2.31897	2.12008	2.02241	2.15534	5.727
13	[illegible] ethylene	1.36357	1.34942	1.30903	1.28072	1.32570	2.854
14	[illegible]	0.12786	0.08209	0.07884	0.08482	0.09340	24.733
15	[illegible]	2.66219	2.85221	2.66181	2.56367	2.68497	4.497
17	[illegible]	0.47937	0.52744	0.50877	0.49350	0.50227	4.108
18	[illegible]	0.44012	0.47961	0.47693	0.46054	0.46430	3.918
20	[illegible]	1.24314	1.29137	1.24424	1.19476	1.24338	3.172
21	[illegible]	2.02433	2.08239	2.07028	1.98266	2.03992	2.237
23	[illegible]	0.40849	0.44476	0.42158	0.40428	0.41980	4.339
24	[illegible]	0.40270	0.40172	0.39254	0.36628	0.39083	4.346
25	[illegible]	0.47908	0.45811	0.45050	0.43542	0.45578	3.987
26	[illegible]	0.11267	0.11064	0.10713	0.09634	0.10669	6.815
27	[illegible] ylene	0.53830	0.53728	0.53377	0.51711	0.53162	1.855
28	[illegible]	1.07652	0.91694	0.96883	0.93927	0.97539	7.247
29	[illegible]	0.90753	0.93937	0.90862	0.85142	0.90176	4.065
31	[illegible] propylene	0.48906	0.49700	0.49081	0.48041	0.48932	1.400
32	[illegible]	0.37239	0.36481	0.35214	0.33063	0.35499	5.145

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 15-NOV-94 00:25
End Cal Date : 15-NOV-94 02:30
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/msa.i/a111594.b/8240heata.m
Cal Date : 17-Nov-1994 11:45 jeff

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	___ RRF	% RSD/R^2
33 Tetrachloroethylene	0.41067	0.43198	0.42968	0.39706	0.41735	3.968
34 2-Hexanone	0.86728	0.69740	0.73865	0.74523	0.76214	9.607
35 Chlorobromomethane	0.45148	0.42274	0.42750	0.42370	0.43136	3.147
37 Chlorobenzene	1.07671	1.10027	1.06544	1.00067	1.06077	4.017
38 Ethylbenzene	0.53702	0.56399	0.54231	0.51004	0.53834	4.121
39 m,p-Xylenes	1.24730	1.29063	1.26007	1.14571	1.23593	5.084
40 o-Xylene	0.62056	0.62593	0.61114	0.56613	0.60594	4.495
41 Styrene	1.09365	1.12337	1.09154	1.02586	1.08360	3.797
42 Bromoform	0.37335	0.36176	0.37828	0.37194	0.37133	1.868
43 1,1,2,2-Tetrachloroethane	0.73655	0.69139	0.70011	0.67420	0.70056	3.754
44 [illegible]	0.98170	0.96252	0.92941	0.86968	0.93583	5.247
45 [illegible]	1.09238	1.06615	1.03850	0.98772	1.04619	4.278
46 [illegible]	0.96226	0.91407	0.87954	0.83244	0.89708	6.114
$ 1,2-Dichloroethane-d4 (SURR)	1.55009	1.66951	1.62943	1.58634	1.60884	3.222
$ 2,4,6-Tribromophenol (SURR)	1.18603	1.27096	1.28652	1.26416	1.25192	3.588
$ 4-Bromofluorobenzene (SURR)	0.55521	0.54872	0.54681	0.53057	0.54533	1.920

Data File: /chem/msa.i/a111594a.b/a4693.d
Report Date: 19-Nov-1994 16:42

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: a4693.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 15-NOV-94 15:53
Init. Calibration Date(s): 11/15/94 11/15/94
Init. Calibration Times: 00:25 02:30
Method File: /chem/msa.i/a111594a.b/8240heata.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
1 Methyl chloride	0.460	0.509	0.300	10.6	40.0	
2 Vinyl chloride	1.681	1.672	0.010	0.5	25.0	
3 Methyl bromide	0.541	0.488	0.010	9.6	40.0	
4 Chloroethane	0.357	0.284	0.010	20.4	40.0	
5 Acrolein	1.626	1.496	0.010	7.9	40.0	
6 1,1-Dichloroethylene	1.193	1.242	0.010	4.1	25.0	
7 Acetone	1.444	0.906	0.010	37.2	40.0	
8 Carbon disulfide	3.300	3.676	0.010	11.4	40.0	
9 Methylene chloride	1.465	1.498	0.010	2.3	40.0	
10 Acrylonitrile	0.867	0.760	0.010	12.3	40.0	
11 1,2-Trans-dichloroethylene	1.303	1.366	0.010	4.8	40.0	
12 1,1-Dichloroethane	2.155	2.156	0.300	0.0	40.0	
13 1,2-cis-Dichloroethylene	1.326	1.401	0.010	5.7	40.0	
14 Methyl ethyl ketone	0.093	0.077	0.010	17.5	40.0	
15 Chloroform	2.685	2.694	0.010	0.3	25.0	
16 1,1,1-Trichloroethane	0.502	0.512	0.010	2.0	40.0	
17 Carbon tetrachloride	0.464	0.460	0.010	0.9	40.0	
18 1,2-Dichloroethane-D4 (SURR)	1.609	1.666	0.010	3.5	40.0	
19 Benzene	1.243	1.240	0.010	0.3	40.0	
20 1,2-Dichloroethane	2.040	2.112	0.010	3.6	40.0	
21 Trichloroethylene	0.420	0.409	0.010	2.6	40.0	
22 1,2-Dichloropropane	0.391	0.382	0.010	2.3	25.0	
23 Dichlorobromomethane	0.456	0.471	0.010	3.4	40.0	
24 2-Chloroethylvinyl ether	0.107	****	0.010	****	40.0	<-
25 cis-1,3-Dichloropropylene	0.532	0.552	0.010	3.8	40.0	
26 Methyl iso-butyl ketone	0.975	0.884	0.010	9.4	40.0	
27 Toluene-D8 (SURR)	1.252	1.292	0.010	3.2	40.0	
28 Toluene	0.902	0.912	0.010	1.2	25.0	
29 trans-1,3-Dichloropropylene	0.489	0.501	0.010	2.4	40.0	
30 1,1,2-Trichloroethane	0.355	0.358	0.010	0.8	40.0	
31 Tetrachloroethylene	0.417	0.396	0.010	5.2	40.0	
32 2-Hexanone	0.762	0.689	0.010	9.6	40.0	
33 Dibromomethane	0.431	0.440	0.010	1.9	40.0	
34 Ethylbenzene	1.061	1.045	0.300	1.5	40.0	
35 Chlorobenzene	0.538	0.527	0.010	2.1	25.0	
36 Xylenes	1.236	1.229	0.010	0.5	40.0	
37 Styrene	0.606	0.601	0.010	0.7	40.0	
38 Toluene	1.084	1.078	0.010	0.5	40.0	
39 Bromoform	0.371	0.335	0.300	9.7	40.0	
40 1,4-Dichlorobenzene (SURR)	0.545	0.534	0.010	2.1	40.0	

Data File: /chem/msa.i/a111594a.b/a4693.d
Report Date: 19-Nov-1994 16:42

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: a4693.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 15-NOV-94 15:53
Init. Calibration Date(s): 11/15/94 11/15/94
Init. Calibration Times: 00:25 02:30
Method File: /chem/msa.i/a111594a.b/8240heata.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.701	0.695	0.300	0.8	40.0
45 1,3-Dichlorobenzene	0.936	0.923	0.010	1.4	40.0
46 1,4-Dichlorobenzene	1.046	1.040	0.010	0.6	40.0
47 1,2-Dichlorobenzene	0.897	0.901	0.010	0.5	40.0

Report Date : 21-Nov-1994 13:22

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 19-NOV-1994 20:48
End Cal Date : 19-NOV-1994 23:28
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/msa.i/a111994.b/8240heata.m
Cal Date : 21-Nov-1994 13:17 jeff

Calibration File Names:
Level 1: /chem/msa.i/a111994.b/a4724.d
Level 2: /chem/msa.i/a111994.b/a4725.d
Level 3: /chem/msa.i/a111994.b/a4726.d
Level 4: /chem/msa.i/a111994.b/a4727.d
Level 5: /chem/msa.i/a111994.b/a4728.d

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
1 Methyl chloride	0.98098	0.91112	0.92699	1.01783	1.05397	0.97918	6.300
2 [illegible]	2.06887	2.29444	2.31044	2.42276	2.41309	2.30192	6.197
3 [illegible]	0.50514	0.58960	0.68648	0.61668	0.58381	0.59634	10.951
4 [illegible]	0.42643	0.57643	0.35596	0.36017	0.33731	0.41125	23.901
5 [illegible]	2.70482	2.59321	2.12449	1.87963	1.32764	2.12595	26.310
6 [illegible]	1.55244	1.65089	1.57571	1.43602	1.15941	1.47489	13.050
7 [illegible]	1.70317	1.52234	1.14205	1.37658	1.07583	1.36399	19.138
8 Carbon disulfide	4.34190	4.83111	4.53259	4.41688	3.94403	4.41330	7.291
9 Methylene chloride	2.26587	2.07383	1.81466	1.81202	1.68046	1.92937	12.238
10 Acrylonitrile	1.21980	1.22149	1.03045	1.22526	0.95759	1.13092	11.284
11 [illegible] trichloroethylene	1.60200	1.74372	1.71137	1.67030	1.63444	1.67237	3.410
12 [illegible] methane	2.96880	3.18554	2.90745	2.89200	2.96776	2.98431	3.945
13 [illegible] ethylene	1.74173	1.73067	1.69270	1.68934	1.68413	1.70772	1.550
14 [illegible]	0.09713	0.08370	0.06572	0.08354	0.07456	0.08093	14.475
15 [illegible]	3.63936	3.88394	3.59446	3.06536	2.76672	3.38997	13.533
16 [illegible] methane	0.48620	0.55468	0.51184	0.50467	0.50257	0.51199	5.008
17 [illegible] chloride	0.42514	0.48673	0.46014	0.46712	0.48006	0.46384	5.180
18 [illegible]	1.27699	1.39122	1.26108	1.25748	1.25036	1.28743	4.570
19 [illegible]	3.03767	3.16362	2.90268	2.90036	2.84030	2.96893	4.400
20 [illegible]	0.41168	0.45483	0.41077	0.40349	0.39424	0.41500	5.624
21 [illegible]	0.41662	0.45895	0.40254	0.40818	0.39569	0.41640	6.003
22 [illegible]	0.43409	0.44910	0.44634	0.44986	0.45437	0.44685	1.710
23 [illegible] ether	*****	*****	*****	*****	*****	0.00000	***** <-
24 [illegible] ethylene	0.52939	0.57767	0.54727	0.53235	0.54640	0.54662	3.501
25 [illegible]	1.08019	1.01297	0.86001	1.05423	0.99613	1.00070	8.530
26 [illegible]	0.93294	0.95850	0.89949	0.88251	0.87398	0.90948	3.903
27 [illegible] ethylene	0.48064	0.51213	0.47413	0.48952	0.49252	0.48973	2.951

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 19-NOV-1994 20:48
End Cal Date : 19-NOV-1994 23:28
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/msa.i/a111994.b/8240heata.m
Cal Date : 21-Nov-1994 13:17 jeff

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	___ RRF	% RSD/R^2
32 1 1 2 Trichloroethane	0.38112	0.39569	0.36163	0.35691	0.34938	0.36905	5.115
33 Tetrachloroethylene	0.40640	0.44448	0.40022	0.39582	0.39513	0.40841	5.058
34 [illegible]	0.93404	0.79025	0.65504	0.84473	0.78885	0.80258	12.640
35 [illegible]	0.36660	0.40180	0.39852	0.40971	0.42223	0.39977	5.171
37 [illegible]	1.08058	1.14757	1.05289	1.03566	1.03151	1.06964	4.455
38 [illegible]	0.53048	0.57024	0.51164	0.51176	0.49999	0.52482	5.266
[illegible]	1.23757	1.32618	1.19348	1.17823	1.13359	1.21381	6.013
40 [illegible]	0.60849	0.65988	0.59576	0.59397	0.56461	0.60474	5.755
41 [illegible]	1.10745	1.14928	1.06524	1.05875	1.01077	1.07830	4.864
42 [illegible]	0.28163	0.31693	0.31864	0.35633	0.36515	0.32774	10.283
44 [illegible]	0.76939	0.76123	0.68176	0.72098	0.69108	0.72499	5.502
[illegible]	0.90140	0.94519	0.84790	0.83765	0.82403	0.87125	5.817
46 [illegible]	1.02120	1.03547	0.94794	0.93187	0.91579	0.97045	5.593
47 [illegible]	0.90455	0.93009	0.82927	0.83721	0.80259	0.86074	6.271
S 19 1 2 [illegible] (SURR)	2.15757	2.43928	2.31847	2.36153	2.21851	2.29907	4.835
S 23 [illegible] (SURR)	1.05405	1.33024	1.30187	1.28504	1.23046	1.24033	8.893
S 43 [illegible] (SURR)	0.50227	0.57415	0.54767	0.54445	0.51793	0.53727	5.201

Data File: /chem/msa.i/a112194.b/a4733.d
Report Date: 21-Nov-1994 10:59

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: a4733.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-NOV-94 08:45
Init. Calibration Date(s): 11/15/94 11/19/94
Init. Calibration Times: 00:25 23:28
Method File: /chem/msa.i/a112194.b/8240heata.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
1 Methyl chloride	0.979	0.916	0.300	6.5	40.0	
2 Vinyl chloride	2.302	2.425	0.010	5.4	25.0	
3 Methyl bromide	0.596	0.597	0.010	0.1	40.0	
4 Chloroethane	0.411	0.373	0.010	9.3	40.0	
5 Acrolein	2.125	2.339	0.010	10.0	40.0	
6 1,1-Dichloroethylene	1.475	1.603	0.010	8.7	25.0	
7 Acetone	1.364	1.497	0.010	9.7	40.0	
8 Carbon disulfide	4.413	4.980	0.010	12.8	40.0	
9 Methylene chloride	1.929	1.923	0.010	0.3	40.0	
10 Acrylonitrile	1.131	1.192	0.010	5.4	40.0	
11 1,2-Trans-dichloroethylene	1.672	1.780	0.010	6.4	40.0	
12 1,1-Dichloroethane	2.984	3.147	0.300	5.4	40.0	
13 1,2-cis-Dichloroethylene	1.708	1.784	0.010	4.5	40.0	
14 Methyl ethyl ketone	0.081	0.089	0.010	10.4	40.0	
15 Chloroform	3.390	3.211	0.010	5.3	25.0	
16 1,1,1-Trichloroethane	0.512	0.538	0.010	5.2	40.0	
17 Carbon tetrachloride	0.464	0.489	0.010	5.5	40.0	
18 1,2-Dichloroethane-D4 (SURR)	2.299	2.265	0.010	1.5	40.0	
19 Benzene	1.287	1.336	0.010	3.7	40.0	
20 1,2-Dichloroethane	2.959	2.973	0.010	0.1	40.0	
21 Trichloroethylene	0.415	0.427	0.010	2.9	40.0	
22 1,2-Dichloropropane	0.416	0.426	0.010	2.4	25.0	
23 Dichlorobromomethane	0.447	0.481	0.010	7.7	40.0	
24 2-Chloroethylvinyl ether	0.116	****	0.010	****	40.0	<-
25 cis-1,3-Dichloropropylene	0.547	0.579	0.010	5.9	40.0	
26 Methyl-iso-butyl ketone	1.001	1.030	0.010	3.0	40.0	
27 Toluene-D8 (SURR)	1.240	1.319	0.010	6.3	40.0	
28 Toluene	0.909	0.944	0.010	3.8	25.0	
29 trans-1,3-Dichloropropylene	0.490	0.517	0.010	5.6	40.0	
30 1,1,2-Trichloroethane	0.369	0.371	0.010	0.5	40.0	
31 Tetrachloroethylene	0.408	0.416	0.010	1.9	40.0	
32 2-Hexanone	0.803	0.794	0.010	1.1	40.0	
33 Dibromochloromethane	0.400	0.436	0.010	8.9	40.0	
34 Chlorobenzene	1.070	1.063	0.300	0.6	40.0	
35 Ethylbenzene	0.525	0.543	0.010	3.4	25.0	
36 m,p-Xylenes	1.214	1.262	0.010	4.0	40.0	
37 o-Xylene	0.605	0.619	0.010	2.4	40.0	
38 Styrene	1.078	1.113	0.010	3.3	40.0	
39 Bromoform	0.328	0.362	0.300	10.5	40.0	
40 4-Bromofluorobenzene (SURR)	0.537	0.549	0.010	2.2	40.0	

Data File: /chem/msa.i/a112194.b/a4733.d
Report Date: 21-Nov-1994 10:59

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: a4733.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-NOV-94 08:45
Init. Calibration Date(s): 11/15/94 11/19/94
Init. Calibration Times: 00:25 23:28
Method File: /chem/msa.i/a112194.b/8240heata.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.725	0.741	0.300	2.1	40.0
45 1,3-Dichlorobenzene	0.871	0.950	0.010	9.0	40.0
46 1,4-Dichlorobenzene	0.970	1.045	0.010	7.7	40.0
47 1,2-Dichlorobenzene	0.861	0.929	0.010	7.9	40.0

Data File: /chem/msa.i/a112294.b/a4765.d
Report Date: 22-Nov-1994 10:27

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: a4765.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 22-NOV-94 09:41
Init. Calibration Date(s): 11/~~15~~19/94 11/19/94
Init. Calibration Times: ~~00:25~~ 20:48 23:28
Method File: /chem/msa.i/a112294.b/8240heata.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
1 Methyl chloride	0.979	0.770	0.300	21.4	40.0	
2 Vinyl chloride	2.302	2.515	0.010	9.2	25.0	
3 Methyl bromide	0.595	0.672	0.010	12.6	40.0	
4 Chloroethane	0.411	0.399	0.010	2.9	40.0	
5 Acrolein	2.126	2.455	0.010	15.5	40.0	
6 1,1-Dichloroethylene	1.475	1.553	0.010	5.3	25.0	
7 Acetone	1.364	1.533	0.010	12.4	40.0	
8 Carbon disulfide	4.413	4.598	0.010	4.2	40.0	
9 Methylene chloride	1.929	1.900	0.010	1.5	40.0	
10 Acrylonitrile	1.131	1.183	0.010	4.6	40.0	
11 1,2-Trans-dichloroethylene	1.672	1.691	0.010	1.1	40.0	
12 1,1-Dichloroethane	2.984	2.867	0.300	3.9	40.0	
13 1,2-cis-Dichloroethylene	1.708	1.712	0.010	0.3	40.0	
14 Methyl ethyl ketone	0.081	0.089	0.010	10.5	40.0	
15 Chloroform	3.390	2.721	0.010	19.7	25.0	
16 1,1,1-Trichloroethane	0.512	0.456	0.010	10.9	40.0	
17 Carbon tetrachloride	0.464	0.420	0.010	9.4	40.0	
18 1,2-Dichloroethane-D4 (SURR)	2.299	2.388	0.010	3.9	40.0	
19 Benzene	1.287	1.287	0.010	0.0	40.0	
20 1,2-Dichloroethane	2.969	3.025	0.010	1.9	40.0	
21 Trichloroethylene	0.415	0.406	0.010	2.2	40.0	
22 1,2-Dichloropropane	0.416	0.398	0.010	4.4	25.0	
23 Dichlorobromomethane	0.447	0.431	0.010	3.6	40.0	
24 2-Chloroethylvinyl ether	0.116	****	0.010	****	40.0	<-
25 cis-1,3-Dichloropropylene	0.547	0.535	0.010	2.2	40.0	
26 Methyl iso-butyl ketone	1.001	0.979	0.010	2.2	40.0	
27 Toluene-D8 (SURR)	1.240	1.300	0.010	4.8	40.0	
28 Toluene	0.909	0.904	0.010	0.6	25.0	
29 trans-1,3-Dichloropropylene	0.490	0.478	0.010	2.4	40.0	
30 1,1,2-Trichloroethane	0.369	0.366	0.010	0.8	40.0	
31 Tetrachloroethylene	0.408	0.392	0.010	3.9	40.0	
32 2-Hexanone	0.803	0.786	0.010	2.1	40.0	
33 Dibromochloromethane	0.400	0.382	0.010	4.4	40.0	
34 Chlorobenzene	1.070	1.066	0.300	0.4	40.0	
35 Ethylbenzene	0.525	0.534	0.010	1.8	25.0	
36 m,p-Xylenes	1.214	1.244	0.010	2.5	40.0	
37 o-Xylene	0.605	0.623	0.010	3.0	40.0	
38 Styrene	1.078	1.101	0.010	2.1	40.0	
39 Bromoform	0.328	0.289	0.300	11.9	40.0	<-
40 1,4-Dichlorobenzene (SURR)	0.537	0.539	0.010	0.3	40.0	

Data File: /chem/msa.i/a112294.b/a4765.d
Report Date: 22-Nov-1994 10:27

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: a4765.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 22-NOV-94 09:41
Init. Calibration Date(s): 11/15/94 11/19/94
Init. Calibration Times: 00:25 23:28
Method File: /chem/msa.i/a112294.b/8240heata.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.725	0.736	0.300	1.5	40.0
45 1,3-Dichlorobenzene	0.871	0.904	0.010	3.8	40.0
46 1,4-Dichlorobenzene	0.970	1.010	0.010	4.0	40.0
47 1,2-Dichlorobenzene	0.861	0.888	0.010	3.1	40.0

Data File: /chem/msa.i/a112194a.b/a4747.d
Report Date: 21-Nov-1994 20:39

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: a4747.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-NOV-94 19:06
Init. Calibration Date(s): 11/15/94 11/19/94
Init. Calibration Times: 00:25 23:28
Method File: /chem/msa.i/a112194a.b/8240heata.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Methyl chloride	0.979	1.083	0.300	10.6	40.0
	2 Vinyl chloride	2.302	2.670	0.010	16.0	25.0
	3 Methyl bromide	0.596	0.707	0.010	18.5	40.0
	4 Chloroethane	0.411	0.420	0.010	2.1	40.0
	5 Acrolein	2.126	2.319	0.010	9.1	40.0
	6 1,1-Dichloroethylene	1.475	1.662	0.010	12.7	25.0
	7 Acetone	1.364	1.293	0.010	5.2	40.0
	8 Carbon disulfide	4.413	5.044	0.010	14.3	40.0
	9 Methylene chloride	1.929	1.948	0.010	1.0	40.0
	10 Acrylonitrile	1.131	1.141	0.010	0.9	40.0
	11 1,2-Trans-dichloroethylene	1.672	1.780	0.010	6.4	40.0
	12 1,1-Dichloroethane	2.984	2.931	0.300	1.8	40.0
	13 1,2-cis-Dichloroethylene	1.708	1.797	0.010	5.2	40.0
	14 Methyl ethyl ketone	0.081	0.078	0.010	4.2	40.0
	16 Chloroform	3.390	3.200	0.010	5.6	25.0
	17 1,1,1-Trichloroethane	0.512	0.538	0.010	5.1	40.0
	18 Carbon tetrachloride	0.464	0.484	0.010	4.4	40.0
S	19 1,2-Dichloroethane-D4 (SURR)	2.299	2.195	0.010	4.5	40.0
	20 Benzene	1.287	1.333	0.010	3.5	40.0
	21 1,2-Dichloroethane	2.969	2.948	0.010	0.7	40.0
	23 Trichloroethylene	0.415	0.414	0.010	0.2	40.0
	24 1,2-Dichloropropane	0.416	0.403	0.010	3.2	25.0
	25 Dichlorobromomethane	0.447	0.482	0.010	7.8	40.0
	26 2-Chloroethylvinyl ether	0.116	0.119	0.010	2.2	40.0
	27 cis-1,3-Dichloropropylene	0.547	0.562	0.010	2.7	40.0
	28 Methyl-iso-butyl ketone	1.001	0.896	0.010	10.5	40.0
S	29 Toluene-D8 (SURR)	1.240	1.272	0.010	2.6	40.0
	30 Toluene	0.909	0.930	0.010	2.2	25.0
	31 trans-1,3-Dichloropropylene	0.490	0.511	0.010	4.3	40.0
	32 1,1,2-Trichloroethane	0.369	0.358	0.010	3.0	40.0
	33 Tetrachloroethylene	0.408	0.402	0.010	1.5	40.0
	34 2-Hexanone	0.803	0.693	0.010	13.7	40.0
	35 Chlorodibromomethane	0.400	0.415	0.010	3.9	40.0
	37 Chlorobenzene	1.070	1.085	0.300	1.4	40.0
	38 Ethylbenzene	0.525	0.543	0.010	3.5	25.0
	39 m,p-Xylenes	1.214	1.269	0.010	4.6	40.0
	40 o-Xylene	0.605	0.618	0.010	2.2	40.0
	41 Styrene	1.078	1.130	0.010	4.8	40.0
	42 Bromoform	0.328	0.303	0.300	7.5	40.0
S	43 Bromofluorobenzene (SURR)	0.537	0.522	0.010	2.9	40.0

Data File: /chem/msa.i/a112194a.b/a4747.d
Report Date: 21-Nov-1994 20:39

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: a4747.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-NOV-94 19:06
Init. Calibration Date(s): 11/15/94 11/19/94
Init. Calibration Times: 00:25 23:28
Method File: /chem/msa.i/a112194a.b/8240heata.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.725	0.707	0.300	2.5	40.0
45 1,3-Dichlorobenzene	0.871	0.934	0.010	7.2	40.0
46 1,4-Dichlorobenzene	0.970	1.044	0.010	7.6	40.0
47 1,2-Dichlorobenzene	0.861	0.907	0.010	5.4	40.0

Data File: /chem/msa.i/a120294.b/a4823.d
Report Date: 02-Dec-1994 16:01

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: a4823.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 02-DEC-94 15:06,9
Init. Calibration Date(s): 11/~~15~~/94 11/19/94
Init. Calibration Times: ~~00:25~~ ~~20:48~~ 23:28
Method File: /chem/msa.i/a120294.b/8240heata.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.979	0.691	0.300	29.4	40.0	
	2 Vinyl chloride	2.302	2.277	0.010	1.1	25.0	
	3 Methyl bromide	0.596	0.620	0.010	4.0	40.0	
	4 Chloroethane	0.411	0.468	0.010	13.7	40.0	
	5 Acrolein	2.126	2.179	0.010	2.5	40.0	
	6 1,1-Dichloroethylene	1.475	1.464	0.010	0.7	25.0	
	7 Acetone	1.364	1.184	0.010	13.2	40.0	
	8 Carbon disulfide	4.413	4.867	0.010	10.3	40.0	
	9 Methylene chloride	1.929	1.775	0.010	8.0	40.0	
	10 Acrylonitrile	1.131	1.085	0.010	4.1	40.0	
	11 1,2-Trans-dichloroethylene	1.672	1.574	0.010	5.9	40.0	
	12 1,1-Dichloroethane	2.984	2.927	0.300	1.9	40.0	
	13 1,2-cis-Dichloroethylene	1.708	1.559	0.010	8.7	40.0	
	14 Methyl ethyl ketone	0.081	0.085	0.010	4.8	40.0	
	15 Chloroform	3.390	3.284	0.010	3.1	25.0	
	16 1,1,1-Trichloroethane	0.512	0.560	0.010	9.4	40.0	
	17 Carbon tetrachloride	0.464	0.475	0.010	2.4	40.0	
S	18 1,2-Dichloroethane-D4 (SURR)	2.299	2.281	0.010	0.8	40.0	
	19 Benzene	1.287	1.411	0.010	9.6	40.0	
	20 1,2-Dichloroethane	2.969	2.877	0.010	3.1	40.0	
	21 Trichloroethylene	0.415	0.386	0.010	6.9	40.0	
	22 1,2-Dichloropropane	0.416	0.442	0.010	6.2	25.0	
	23 Dichlorobromomethane	0.447	0.496	0.010	11.0	40.0	
	24 2-Chloroethylvinyl ether	0.116	++++	0.010	++++	40.0	<-
	25 cis-1,3-Dichloropropylene	0.547	0.527	0.010	3.7	40.0	
	26 Methyl-iso-butyl ketone	1.001	0.931	0.010	7.0	40.0	
S	27 Toluene-D8 (SURR)	1.240	1.351	0.010	8.9	40.0	
	28 Toluene	0.909	0.942	0.010	3.6	25.0	
	29 trans-1,3-Dichloropropylene	0.490	0.527	0.010	7.5	40.0	
	30 1,1,2-Trichloroethane	0.369	0.360	0.010	2.5	40.0	
	31 Tetrachloroethylene	0.408	0.390	0.010	4.5	40.0	
	32 2-Hexanone	0.803	0.681	0.010	15.2	40.0	
	33 Chlorodibromomethane	0.400	0.401	0.010	0.4	40.0	
	34 Chlorobenzene	1.070	1.032	0.300	3.5	40.0	
	35 Ethylbenzene	0.525	0.521	0.010	0.8	25.0	
	36 m-p-Xylenes	1.214	1.211	0.010	0.2	40.0	
	37 o-Xylene	0.605	0.596	0.010	1.4	40.0	
	38 Styrene	1.078	1.085	0.010	0.6	40.0	
	39 Bromoform	0.328	0.314	0.300	4.3	40.0	
S	40 Bromofluorobenzene (SURR)	0.537	0.557	0.010	3.7	40.0	

Data File: /chem/msa.i/a120294.b/a4823.d
Report Date: 02-Dec-1994 16:01

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: a4823.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 02-DEC-94 15:06
Init. Calibration Date(s): 11/15/94 11/19/94
Init. Calibration Times: 00:25 23:28
Method File: /chem/msa.i/a120294.b/8240heata.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.725	0.768	0.300	5.9	40.0
45 1,3-Dichlorobenzene	0.871	0.858	0.010	1.6	40.0
46 1,4-Dichlorobenzene	0.970	0.955	0.010	1.6	40.0
47 1,2-Dichlorobenzene	0.861	0.809	0.010	6.0	40.0

Report Date : 24-Nov-1994 06:38

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 22-SEP-94 13:37
End Cal Date : 23-NOV-94 12:55
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c112394.b/8240ambic.m
Cal Date : 24-Nov-1994 06:37

Calibration File Names:
Level 1: /chem/aux/msc.i/c112394.b/c0220.d
Level 2: /chem/aux/msc.i/c112394.b/c0221.d
Level 3: /chem/aux/msc.i/c112394.b/c0222.d
Level 4: /chem/aux/msc.i/c112394.b/c0223.d
Level 5: /chem/aux/msc.i/c112394.b/c0224.d

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	___ RRF	% RSD/R^2
1 Methyl chloride	0.56958	0.60973	0.65327	0.62497	0.77706	0.64692	12.177
2 Vinyl chloride	0.92469	1.02781	1.01984	0.94586	0.96872	0.97739	4.630
3 Methyl bromide	1.21686	1.30827	1.23692	1.15168	1.18572	1.21989	4.838
4 Chloroethane	0.63805	0.67667	0.61377	0.54360	0.56260	0.60694	8.969
5 Acrolein	0.12334	0.12518	0.15648	0.13939	0.14715	0.13831	10.262
6 1,1-Dichloroethylene	1.15422	1.22946	1.25675	1.12583	1.17649	1.18855	4.528
7 Acetone	0.31384	0.32422	0.29788	0.26179	0.24913	0.28937	11.286
8 Carbon disulfide	2.97029	3.58775	3.46508	3.02255	3.12887	3.23491	8.520
9 Methylene chloride	1.41178	1.37463	1.29868	1.13804	1.17142	1.27891	9.465
10 Acrylonitrile	0.28651	0.27026	0.26498	0.24883	0.25338	0.26479	5.622
11 1,2-Trans-dichloroethylene	1.16061	1.31190	1.36067	1.20677	1.23667	1.25532	6.419
12 1,1-Dichloroethane	2.25492	2.65335	2.57165	2.30891	2.28707	2.41518	7.595
13 1,2-cis-Dichloroethylene	1.22892	1.29015	1.35167	1.24517	1.24482	1.27215	3.929
14 Methyl ethyl ketone	0.03464	0.03037	0.02745	0.02558	0.02541	0.02869	13.524
16 Chloroform	2.85114	3.11538	3.06331	2.78242	2.76749	2.91595	5.571
17 1,1,1-Trichloroethane	0.54649	0.62317	0.59838	0.54001	0.55543	0.57269	6.332
18 Carbon tetrachloride	0.51421	0.59816	0.57555	0.53276	0.54798	0.55373	6.047
20 Benzene	0.81155	0.89331	0.85006	0.79159	0.80199	0.82970	5.046
21 1,2-Dichloroethane	1.97718	2.09752	2.03448	1.92112	1.89483	1.98503	4.168
23 Trichloroethylene	0.44957	0.49136	0.46431	0.42677	0.44030	0.45446	5.445
24 1,2-Dichloropropane	0.38492	0.42241	0.39930	0.38165	0.39046	0.39575	4.128
25 Dichlorobromomethane	0.63533	0.68193	0.67307	0.65113	0.67166	0.66262	2.864
26 2-Chloroethylvinyl ether	0.19318	0.20671	0.19454	0.18526	0.17813	0.19157	5.605
27 cis-1,3-Dichloropropylene	0.52283	0.58281	0.55360	0.52085	0.52017	0.54005	5.132
Methyl-iso-butyl ketone	0.53578	0.52976	0.50794	0.46667	0.48159	0.50435	5.936
30 Toluene	0.76904	0.83586	0.76505	0.72995	0.76808	0.77360	4.967
31 trans-1,3-Dichloropropylene	0.45443	0.50684	0.47647	0.44163	0.43444	0.46276	6.345

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 22-SEP-94 13:37
End Cal Date : 23-NOV-94 12:55
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c112394.b/8240ambic.m
Cal Date : 24-Nov-1994 06:37

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	___ RRF	% RSD/R^2
32 1,1,2-Trichloroethane	0.33438	0.37475	0.34361	0.32863	0.31672	0.33962	6.456
33 Tetrachloroethylene	0.54810	0.61462	0.56232	0.52828	0.54333	0.55933	5.938
34 2-Hexanone	0.36483	0.35754	0.34328	0.31082	0.32260	0.33981	6.725
35 Chlorodibromomethane	0.50959	0.55890	0.58038	0.54952	0.55502	0.55068	4.681
37 Chlorobenzene	1.01554	1.12627	1.05309	1.02351	1.00921	1.04553	4.607
38 Ethylbenzene	0.46875	0.50324	0.47618	0.45800	0.45247	0.47173	4.214
[illegible] m+p-Xylenes	0.56393	0.61781	0.57895	0.56488	0.55671	0.57646	4.247
40 o-Xylene	0.59609	0.63759	0.57682	0.56592	0.56455	0.58819	5.162
41 Styrene	0.94509	0.98584	0.93956	0.90158	0.87219	0.92885	4.687
42 Bromoform	0.40430	0.45343	0.44751	0.42203	0.42738	0.43093	4.615
44 1,1,2,2-Tetrachloroethane	0.76202	0.80207	0.73904	0.67682	0.64619	0.72523	8.732
45 1,3-Dichlorobenzene	1.09652	1.04381	0.99746	0.90308	0.91621	0.99141	8.331
46 1,4-Dichlorobenzene	1.22888	1.20132	1.12048	1.04453	1.07297	1.13364	7.036
47 1,2-Dichlorobenzene	1.07581	1.02560	0.95374	0.87742	0.90177	0.96687	8.612
$ 19 1,2-Dichloroethane-D4 (SURR)	1.51721	1.53066	1.57492	1.51055	1.44302	1.51527	3.138
$ 29 Toluene-D8 (SURR)	1.15875	1.14134	1.09440	1.08623	1.07766	1.11167	3.243
$ 43 Bromofluorobenzene (SURR)	1.02725	0.88672	0.84653	0.79602	0.74320	0.85995	12.552

Data File: /chem/aux/msc.i/c121594.b/c0563.d
Report Date: 15-Dec-1994 12:07

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0563.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 15-DEC-94 11:14
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c121594.b/8240ambic.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Methyl chloride	0.647	0.781	0.300	20.8	40.0
	2 Vinyl chloride	0.977	1.218	0.010	24.6	25.0
	3 Methyl bromide	1.220	1.257	0.010	3.1	40.0
	4 Chloroethane	0.607	0.701	0.010	15.5	40.0
	5 Acrolein	0.138	0.134	0.010	3.0	40.0
	6 1,1-Dichloroethylene	1.189	1.281	0.010	7.8	25.0
	7 Acetone	0.289	0.336	0.010	16.3	40.0
	8 Carbon disulfide	3.235	2.967	0.010	8.3	40.0
	9 Methylene chloride	1.279	1.336	0.010	4.4	40.0
	10 Acrylonitrile	0.265	0.270	0.010	1.8	40.0
	11 1,2-Trans-dichloroethylene	1.255	1.301	0.010	3.7	40.0
	12 1,1-Dichloroethane	2.415	2.524	0.300	4.5	40.0
	13 1,2-cis-Dichloroethylene	1.272	1.369	0.010	7.6	40.0
	14 Methyl ethyl ketone	0.029	0.025	0.010	11.2	40.0
	16 Chloroform	2.916	2.947	0.010	1.1	25.0
	17 1,1,1-Trichloroethane	0.573	0.590	0.010	3.0	40.0
	18 Carbon tetrachloride	0.554	0.543	0.010	2.0	40.0
S	19 1,2-Dichloroethane-D4 (SURR)	1.515	1.900	0.010	25.4	40.0
	20 Benzene	0.830	0.817	0.010	1.5	40.0
	21 1,2-Dichloroethane	1.985	2.189	0.010	10.3	40.0
	23 Trichloroethylene	0.454	0.436	0.010	4.1	40.0
	24 1,2-Dichloropropane	0.396	0.433	0.010	9.4	25.0
	25 Dichlorobromomethane	0.663	0.714	0.010	7.7	40.0
	26 2-Chloroethylvinyl ether	0.192	0.204	0.010	6.7	40.0
	27 cis-1,3-Dichloropropylene	0.540	0.540	0.010	0.0	40.0
	28 Methyl-iso-butyl ketone	0.504	0.557	0.010	10.5	40.0
S	29 Toluene-D8 (SURR)	1.112	1.182	0.010	6.3	40.0
	30 Toluene	0.774	0.773	0.010	0.1	25.0
	31 trans-1,3-Dichloropropylene	0.463	0.461	0.010	0.4	40.0
	32 1,1,2-Trichloroethane	0.340	0.342	0.010	0.7	40.0
	33 Tetrachloroethylene	0.559	0.529	0.010	5.5	40.0
	34 2-Hexanone	0.340	0.353	0.010	3.8	40.0
	35 Chlorodibromomethane	0.551	0.596	0.010	8.2	40.0
	37 Chlorobenzene	1.046	1.016	0.300	2.8	40.0
	38 Ethylbenzene	0.472	0.458	0.010	3.0	25.0
	39 m-p-Xylenes	0.576	0.564	0.010	2.1	40.0
	40 o-Xylene	0.588	0.576	0.010	2.0	40.0
	41 Styrene	0.929	0.913	0.010	1.7	40.0
	42 Bromoform	0.431	0.440	0.300	2.2	40.0
S	43 Bromofluorobenzene (SURR)	0.860	0.921	0.010	7.1	40.0

Data File: /chem/aux/msc.i/c121594.b/c0563.d
Report Date: 15-Dec-1994 12:07

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0563.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 15-DEC-94 11:14
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c121594.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.725	0.788	0.300	8.7	40.0
45 1,3-Dichlorobenzene	0.991	1.019	0.010	2.8	40.0
46 1,4-Dichlorobenzene	1.134	1.177	0.010	3.9	40.0
47 1,2-Dichlorobenzene	0.967	0.974	0.010	0.7	40.0

Data File: /chem/aux/msc.i/c122294.b/c0725.d
Report Date: 22-Dec-1994 13:01

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0725.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 22-DEC-94 11:36
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c122294.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
1 Methyl chloride	0.647	0.698	0.300	7.9	40.0
2 Vinyl chloride	0.977	1.087	0.010	11.3	25.0
3 Methyl bromide	1.220	1.274	0.010	4.4	40.0
4 Chloroethane	0.607	0.662	0.010	9.1	40.0
5 Acrolein	0.138	0.139	0.010	0.2	40.0
6 1,1-Dichloroethylene	1.189	1.265	0.010	6.4	25.0
7 Acetone	0.289	0.294	0.010	1.5	40.0
8 Carbon disulfide	3.235	3.088	0.010	4.5	40.0
9 Methylene chloride	1.279	1.287	0.010	0.6	40.0
10 Acrylonitrile	0.265	0.246	0.010	7.2	40.0
11 1,2-Trans-dichloroethylene	1.255	1.317	0.010	4.9	40.0
12 1,1-Dichloroethane	2.415	2.438	0.300	1.0	40.0
13 1,2-cis-Dichloroethylene	1.272	1.363	0.010	7.1	40.0
14 Methyl ethyl ketone	0.029	0.028	0.010	0.8	40.0
16 Chloroform	2.916	2.867	0.010	1.7	25.0
17 1,1,1-Trichloroethane	0.573	0.586	0.010	2.4	40.0
18 Carbon tetrachloride	0.554	0.537	0.010	3.1	40.0
S 19 1,2-Dichloroethane-D4 (SURR)	1.515	1.462	0.010	3.5	40.0
20 Benzene	0.830	0.862	0.010	3.9	40.0
21 1,2-Dichloroethane	1.985	1.883	0.010	5.1	40.0
23 Trichloroethylene	0.454	0.427	0.010	6.0	40.0
24 1,2-Dichloropropane	0.396	0.400	0.010	1.1	25.0
25 Dichlorobromomethane	0.663	0.683	0.010	3.1	40.0
26 2-Chloroethylvinyl ether	0.192	0.201	0.010	4.9	40.0
27 cis-1,3-Dichloropropylene	0.540	0.539	0.010	0.2	40.0
28 Methyl-iso-butyl ketone	0.504	0.552	0.010	9.4	40.0
S 29 Toluene-D8 (SURR)	1.112	1.185	0.010	6.6	40.0
30 Toluene	0.774	0.826	0.010	6.7	25.0
31 trans-1,3-Dichloropropylene	0.463	0.431	0.010	6.9	40.0
32 1,1,2-Trichloroethane	0.340	0.324	0.010	4.5	40.0
33 Tetrachloroethylene	0.559	0.560	0.010	0.1	40.0
34 2-Hexanone	0.340	0.344	0.010	1.2	40.0
35 Chlorodibromomethane	0.551	0.559	0.010	1.6	40.0
37 Chlorobenzene	1.046	1.073	0.300	2.6	40.0
38 Ethylbenzene	0.472	0.480	0.010	1.8	25.0
39 m-p-Xylenes	0.576	0.596	0.010	3.3	40.0
40 o-Xylene	0.588	0.601	0.010	2.1	40.0
41 Styrene	0.929	0.950	0.010	2.2	40.0
42 Bromoform	0.431	0.413	0.300	4.2	40.0
S 43 Bromofluorobenzene (SURR)	0.860	0.873	0.010	1.5	40.0

Data File: /chem/aux/msc.i/c122294.b/c0725.d
Report Date: 22-Dec-1994 13:01

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0725.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 22-DEC-94 11:36
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c122294.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.725	0.824	0.300	13.6	40.0
45 1,3-Dichlorobenzene	0.991	1.043	0.010	5.2	40.0
46 1,4-Dichlorobenzene	1.134	1.258	0.010	10.9	40.0
47 1,2-Dichlorobenzene	0.967	1.022	0.010	5.7	40.0

Data File: /chem/aux/msc.i/c122394.b/c0750.d
Report Date: 23-Dec-1994 14:03

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0750.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 23-DEC-94 13:32
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c122394.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
1 Methyl chloride	0.647	0.731	0.300	13.1	40.0
2 Vinyl chloride	0.977	1.104	0.010	12.9	25.0
3 Methyl bromide	1.220	1.321	0.010	8.3	40.0
4 Chloroethane	0.607	0.680	0.010	12.1	40.0
5 Acrolein	0.138	0.144	0.010	4.2	40.0
6 1,1-Dichloroethylene	1.189	1.317	0.010	10.8	25.0
7 Acetone	0.289	0.330	0.010	13.9	40.0
8 Carbon disulfide	3.235	3.209	0.010	0.8	40.0
9 Methylene chloride	1.279	1.362	0.010	6.5	40.0
10 Acrylonitrile	0.265	0.253	0.010	4.3	40.0
11 1,2-Trans-dichloroethylene	1.255	1.359	0.010	8.3	40.0
12 1,1-Dichloroethane	2.415	2.505	0.300	3.7	40.0
13 1,2-cis-Dichloroethylene	1.272	1.357	0.010	6.6	40.0
14 Methyl ethyl ketone	0.029	0.028	0.010	0.8	40.0
16 Chloroform	2.916	2.923	0.010	0.2	25.0
17 1,1,1-Trichloroethane	0.573	0.569	0.010	0.6	40.0
18 Carbon tetrachloride	0.554	0.523	0.010	5.6	40.0
19 1,2-Dichloroethane-D4 (SURR)	1.515	1.454	0.010	4.0	40.0
20 Benzene	0.830	0.869	0.010	4.7	40.0
21 1,2-Dichloroethane	1.985	1.880	0.010	5.3	40.0
23 Trichloroethylene	0.454	0.422	0.010	7.2	40.0
24 1,2-Dichloropropane	0.396	0.374	0.010	5.5	25.0
25 Dichlorobromomethane	0.663	0.640	0.010	3.4	40.0
26 2-Chloroethylvinyl ether	0.192	0.183	0.010	4.5	40.0
27 cis-1,3-Dichloropropylene	0.540	0.506	0.010	6.3	40.0
28 Methyl-iso-butyl ketone	0.504	0.507	0.010	0.5	40.0
29 Toluene-D8 (SURR)	1.112	1.177	0.010	5.9	40.0
30 Toluene	0.774	0.841	0.010	8.7	25.0
31 trans-1,3-Dichloropropylene	0.463	0.430	0.010	7.0	40.0
32 1,1,2-Trichloroethane	0.340	0.322	0.010	5.0	40.0
33 Tetrachloroethylene	0.559	0.560	0.010	0.1	40.0
34 2-Hexanone	0.340	0.336	0.010	1.2	40.0
35 Chlorodibromomethane	0.551	0.533	0.010	3.2	40.0
37 Chlorobenzene	1.046	1.067	0.300	2.0	40.0
38 Ethylbenzene	0.472	0.486	0.010	3.0	25.0
39 m-p-Xylenes	0.576	0.599	0.010	3.9	40.0
40 o-Xylene	0.588	0.611	0.010	3.9	40.0
41 Styrene	0.929	0.957	0.010	3.0	40.0
42 Bromoform	0.431	0.399	0.300	7.4	40.0
43 Bromofluorobenzene (SURR)	0.860	0.869	0.010	1.0	40.0

Data File: /chem/aux/msc.i/c122394.b/c0750.d
Report Date: 23-Dec-1994 14:03

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0750.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 23-DEC-94 13:32
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c122394.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.725	0.812	0.300	11.9	40.0
45 1,3-Dichlorobenzene	0.991	1.076	0.010	8.5	40.0
46 1,4-Dichlorobenzene	1.134	1.263	0.010	11.4	40.0
47 1,2-Dichlorobenzene	0.967	1.020	0.010	5.5	40.0

Data File: /chem/aux/msc.i/c121794.b/c0608.d
Report Date: 17-Dec-1994 19:32

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0608.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-DEC-94 19:02
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c121794.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
1 Methyl chloride	0.647	0.769	0.300	18.9	40.0
2 Vinyl chloride	0.977	1.193	0.010	22.0	25.0
3 Methyl bromide	1.220	1.231	0.010	0.9	40.0
4 Chloroethane	0.607	0.672	0.010	10.7	40.0
5 Acrolein	0.138	0.134	0.010	3.1	40.0
6 1,1-Dichloroethylene	1.189	1.257	0.010	5.8	25.0
7 Acetone	0.289	0.365	0.010	26.3	40.0
8 Carbon disulfide	3.235	3.038	0.010	6.1	40.0
9 Methylene chloride	1.279	1.338	0.010	4.7	40.0
10 Acrylonitrile	0.265	0.267	0.010	1.0	40.0
11 1,2-Trans-dichloroethylene	1.255	1.326	0.010	5.7	40.0
12 1,1-Dichloroethane	2.415	2.591	0.300	7.3	40.0
13 1,2-cis-Dichloroethylene	1.272	1.350	0.010	6.1	40.0
14 Methyl ethyl ketone	0.029	0.029	0.010	1.7	40.0
15 Chloroform	2.916	2.992	0.010	2.6	25.0
16 1,1,1-Trichloroethane	0.573	0.618	0.010	7.9	40.0
17 Carbon tetrachloride	0.554	0.573	0.010	3.4	40.0
18 1,2-Dichloroethane-D4 (SURR)	1.515	1.799	0.010	18.7	40.0
19 Benzene	0.830	0.834	0.010	0.5	40.0
20 1,2-Dichloroethane	1.935	2.258	0.010	13.7	40.0
21 Trichloroethylene	0.454	0.420	0.010	7.5	40.0
22 1,2-Dichloropropane	0.395	0.424	0.010	7.1	25.0
23 Dichlorobromomethane	0.653	0.702	0.010	6.0	40.0
24 2-Chloroethylvinyl ether	0.192	0.210	0.010	9.8	40.0
25 cis-1,3-Dichloropropylene	0.540	0.526	0.010	2.6	40.0
26 Methyl-iso-butyl ketone	0.504	0.556	0.010	10.2	40.0
27 Toluene-D8 (SURR)	1.112	1.104	0.010	0.7	40.0
28 Toluene	0.774	0.760	0.010	1.8	25.0
29 trans-1,3-Dichloropropylene	0.463	0.440	0.010	4.9	40.0
30 1,1,2-Trichloroethane	0.340	0.319	0.010	6.1	40.0
31 Tetrachloroethylene	0.559	0.549	0.010	1.9	40.0
32 2-Hexanone	0.340	0.374	0.010	10.0	40.0
33 Dibromochloromethane	0.551	0.564	0.010	2.4	40.0
34 Chlorobenzene	1.046	1.024	0.300	2.1	40.0
35 Ethylbenzene	0.472	0.466	0.010	1.2	25.0
36 m,p-Xylenes	0.576	0.568	0.010	1.5	40.0
37 o-Xylene	0.583	0.576	0.010	2.1	40.0
38 Styrene	0.923	0.915	0.010	1.5	40.0
39 Bromoform	0.431	0.449	0.300	4.2	40.0
40 4-Bromofluorobenzene (SURR)	0.850	0.918	0.010	6.8	40.0

Data File: /chem/aux/msc.i/c121794.b/c0608.d
Report Date: 17-Dec-1994 19:32

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0608.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-DEC-94 19:02
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c121794.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.725	0.777	0.300	7.1	40.0
45 1,3-Dichlorobenzene	0.991	0.997	0.010	0.6	40.0
46 1,4-Dichlorobenzene	1.134	1.158	0.010	2.2	40.0
47 1,2-Dichlorobenzene	0.967	0.955	0.010	1.2	40.0

Data File: /chem/aux/msc.i/c122694.b/c0773.d
Report Date: 26-Dec-1994 17:22

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0773.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 26-DEC-94 16:52
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c122694.b/8240ambic.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Methyl chloride	0.647	0.695	0.300	7.4	40.0
	2 Vinyl chloride	0.977	1.101	0.010	12.7	25.0
	3 Methyl bromide	1.220	1.261	0.010	3.3	40.0
	4 Chloroethane	0.607	0.677	0.010	11.5	40.0
	5 Acrolein	0.138	0.139	0.010	0.7	40.0
	6 1,1-Dichloroethylene	1.189	1.263	0.010	6.2	25.0
	7 Acetone	0.289	0.326	0.010	12.8	40.0
	8 Carbon disulfide	3.235	3.174	0.010	1.9	40.0
	9 Methylene chloride	1.279	1.246	0.010	2.6	40.0
	10 Acrylonitrile	0.265	0.270	0.010	1.9	40.0
	11 1,2-Trans-dichloroethylene	1.255	1.310	0.010	4.4	40.0
	12 1,1-Dichloroethane	2.415	2.515	0.300	4.1	40.0
	13 1,2-cis-Dichloroethylene	1.272	1.324	0.010	4.1	40.0
	14 Methyl ethyl ketone	0.029	0.029	0.010	1.8	40.0
	16 Chloroform	2.916	2.826	0.010	3.1	25.0
	17 1,1,1-Trichloroethane	0.573	0.558	0.010	2.5	40.0
	18 Carbon tetrachloride	0.554	0.512	0.010	7.6	40.0
S	19 1,2-Dichloroethane-D4 (SURR)	1.515	1.475	0.010	2.6	40.0
	20 Benzene	0.830	0.860	0.010	3.6	40.0
	21 1,2-Dichloroethane	1.985	1.876	0.010	5.5	40.0
	23 Trichloroethylene	0.454	0.430	0.010	5.4	40.0
	24 1,2-Dichloropropane	0.396	0.410	0.010	3.5	25.0
	25 Dichlorobromomethane	0.663	0.613	0.010	7.5	40.0
	26 2-Chloroethylvinyl ether	0.192	0.182	0.010	5.1	40.0
	27 cis-1,3-Dichloropropylene	0.540	0.503	0.010	6.9	40.0
	28 Methyl-iso-butyl ketone	0.504	0.540	0.010	7.1	40.0
S	29 Toluene-D8 (SURR)	1.112	1.195	0.010	7.5	40.0
	30 Toluene	0.774	0.850	0.010	9.9	25.0
	31 trans-1,3-Dichloropropylene	0.463	0.430	0.010	7.2	40.0
	32 1,1,2-Trichloroethane	0.340	0.335	0.010	1.4	40.0
	33 Tetrachloroethylene	0.559	0.563	0.010	0.7	40.0
	34 2-Hexanone	0.340	0.352	0.010	3.5	40.0
	35 Chlorodibromomethane	0.551	0.521	0.010	5.4	40.0
	37 Chlorobenzene	1.046	1.084	0.300	3.7	40.0
	38 Ethylbenzene	0.472	0.479	0.010	1.6	25.0
	39 m-p-Xylenes	0.576	0.598	0.010	3.7	40.0
	40 o-Xylene	0.588	0.606	0.010	3.0	40.0
	41 Styrene	0.929	0.939	0.010	1.1	40.0
	42 Bromoform	0.431	0.408	0.300	5.3	40.0
S	43 Bromofluorobenzene (SURR)	0.860	0.863	0.010	0.3	40.0

Data File: /chem/aux/msc.i/c122694.b/c0773.d
Report Date: 26-Dec-1994 17:22

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0773.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 26-DEC-94 16:52
Init. Calibration Date(s): 09/22/94 11/23/94
Init. Calibration Times: 13:37 12:55
Method File: /chem/aux/msc.i/c122694.b/8240ambic.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	0.725	0.832	0.300	14.8	40.0
45 1,3-Dichlorobenzene	0.991	1.072	0.010	8.1	40.0
46 1,4-Dichlorobenzene	1.134	1.238	0.010	9.2	40.0
47 1,2-Dichlorobenzene	0.967	1.014	0.010	4.9	40.0

Report Date : 29-Nov-1994 16:52

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 08-NOV-94 10:10
End Cal Date : 23-NOV-94 16:21
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c112394.b/8240heatc.m
Cal Date : 23-Nov-1994 18:39

Calibration File Names:
Level 1: /chem/aux/msc.i/c112394.b/c0226.d
Level 2: /chem/aux/msc.i/c112394.b/c0227.d
Level 3: /chem/aux/msc.i/c112394.b/c0228.d
Level 4: /chem/aux/msc.i/c112394.b/c0229.d
Level 5: /chem/aux/msc.i/c112394.b/c0230.d

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
1 Methyl chloride	0.56188	0.66761	0.69702	0.64568	0.62815	0.64007	7.924
2 Vinyl chloride	0.87415	0.94459	0.92805	0.83201	0.97013	0.90979	6.146
3 Methyl bromide	1.13119	1.15292	1.14991	1.02864	1.16980	1.12649	5.006
4 Chloroethane	0.61924	0.58779	0.54381	0.49684	0.54975	0.55949	8.305
5 Acrolein	0.24723	0.21423	0.23004	0.25200	0.19274	0.22725	10.734
6 1,1-Dichloroethylene	1.06843	1.11214	1.12837	0.98821	1.12874	1.08518	5.485
7 Acetone	1.06708	0.60020	0.67780	0.54853	0.51504	0.68173	32.856
8 Carbon disulfide	2.91048	3.08248	2.98584	2.66850	3.04462	2.93838	5.590
9 Methylene chloride	1.44893	1.30599	1.18027	1.08884	1.18881	1.24257	11.167
10 Acrylonitrile	0.44487	0.47423	0.45810	0.45877	0.46703	0.46060	2.389
11 1,2-Trans-dichloroethylene	1.19328	1.21636	1.21733	1.10020	1.23452	1.19234	4.491
12 1,1-Dichloroethane	2.26051	2.35530	2.26617	2.14948	2.35368	2.27703	3.718
13 1,2-cis-Dichloroethylene	1.19550	1.27359	1.24797	1.16120	1.29578	1.23481	4.501
14 Methyl ethyl ketone	0.06982	0.06399	0.06308	0.06160	0.05982	0.06366	5.951
16 Chloroform	2.80097	2.88261	2.79788	2.63434	2.87969	2.79910	3.600
17 1,1,1-Trichloroethane	0.53213	0.58472	0.57600	0.54931	0.58215	0.56486	4.086
18 Carbon tetrachloride	0.51245	0.55392	0.54276	0.53079	0.57747	0.54348	4.496
20 Benzene	0.89188	0.88264	0.84242	0.82040	0.86933	0.86134	3.426
21 1,2-Dichloroethane	1.96234	1.93578	1.98881	1.91391	2.05736	1.97164	2.818
23 Trichloroethylene	0.43359	0.47622	0.45395	0.43542	0.46461	0.45276	4.073
24 1,2-Dichloropropane	0.40790	0.42336	0.40926	0.39809	0.43555	0.41483	3.538
25 Dichlorobromomethane	0.66692	0.67571	0.68974	0.68171	0.72581	0.68798	3.304
26 2-Chloroethylvinyl ether	0.26254	0.24889	0.25265	0.24236	0.28415	0.25812	6.308
27 cis-1,3-Dichloropropylene	0.54487	0.55901	0.55351	0.53972	0.57640	0.55470	2.569
29 Methyl-iso-butyl ketone	1.10409	1.00805	1.03015	0.99385	0.99577	1.02638	4.461
30 Toluene	0.76069	0.80259	0.76665	0.72765	0.79724	0.77097	3.940
31 trans-1,3-Dichloropropylene	0.50293	0.49346	0.48102	0.47621	0.52345	0.49541	3.806

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 08-NOV-94 10:10
End Cal Date : 23-NOV-94 16:21
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c112394.b/8240heatc.m
Cal Date : 23-Nov-1994 18:39

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
32 1,1,2-Trichloroethane	0.39312	0.39511	0.38530	0.38323	0.41125	0.39360	2.813
33 Tetrachloroethylene	0.52355	0.56265	0.54760	0.51529	0.55110	0.54004	3.674
34 2-Hexanone	0.78063	0.76660	0.79219	0.76309	0.77605	0.77571	1.495
35 Chlorodibromomethane	0.56903	0.57557	0.61943	0.63380	0.68981	0.61753	7.935
37 Chlorobenzene	1.03384	1.07924	1.05552	1.02768	1.10190	1.05963	2.937
38 Ethylbenzene	0.45656	0.48384	0.47528	0.44710	0.50244	0.47305	4.644
39 m+p-Xylenes	0.55139	0.59803	0.58278	0.55979	0.60663	0.57973	4.108
40 o-Xylene	0.57978	0.61883	0.59248	0.57747	0.61254	0.59622	3.153
41 Styrene	0.91586	0.97667	0.95493	0.92893	1.00986	0.95725	3.932
42 Bromoform	0.50052	0.52379	0.56227	0.58226	0.65860	0.56549	10.801
44 1,1,2,2-Tetrachloroethane	1.03521	1.03133	1.02703	1.07696	1.04144	1.04240	1.922
45 1,3-Dichlorobenzene	0.95941	1.00317	0.96910	0.90285	0.95083	0.95707	3.787
46 1,4-Dichlorobenzene	1.11986	1.16728	1.11804	1.06130	1.11174	1.11565	3.371
47 1,2-Dichlorobenzene	0.96550	1.00482	0.95594	0.92633	0.96404	0.96332	2.913
$ 19 1,2-Dichloroethane-D4 (SURR)	1.54475	1.50386	1.51865	1.50155	1.54887	1.52354	1.462
$ 29 Toluene-D8 (SURR)	1.12679	1.12566	1.08442	1.05644	1.07912	1.09449	2.816
$ 43 Bromofluorobenzene (SURR)	0.92663	0.86378	0.79594	0.83856	0.78995	0.84297	6.625

Data File: /chem/aux/msc.i/c121394.b/c0522.d
Report Date: 13-Dec-1994 11:32

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0522.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 13-DEC-94 10:34
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c121394.b/8240heatc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Methyl chloride	0.640	0.594	0.300	7.2	40.0
	2 Vinyl chloride	0.910	0.979	0.010	7.6	25.0
	3 Methyl bromide	1.126	1.068	0.010	5.2	40.0
	4 Chloroethane	0.559	0.517	0.010	7.5	40.0
	5 Acrolein	0.227	0.176	0.010	22.7	40.0
	6 1,1-Dichloroethylene	1.085	1.128	0.010	3.9	25.0
	7 Acetone	0.682	0.572	0.010	16.1	40.0
	8 Carbon disulfide	2.938	2.549	0.010	13.3	40.0
	9 Methylene chloride	1.243	1.106	0.010	11.0	40.0
	10 Acrylonitrile	0.461	0.392	0.010	15.0	40.0
	11 1,2-Trans-dichloroethylene	1.192	1.133	0.010	5.0	40.0
	12 1,1-Dichloroethane	2.277	2.050	0.300	10.0	40.0
	13 1,2-cis-Dichloroethylene	1.235	1.152	0.010	6.7	40.0
	14 Methyl ethyl ketone	0.064	0.054	0.010	15.8	40.0
	16 Chloroform	2.799	2.529	0.010	9.6	25.0
	17 1,1,1-Trichloroethane	0.565	0.594	0.010	5.2	40.0
	18 Carbon tetrachloride	0.543	0.592	0.010	8.8	40.0
$	19 1,2-Dichloroethane-D4 (SURR)	1.524	1.695	0.010	11.2	40.0
	20 Benzene	0.861	0.733	0.010	14.9	40.0
	21 1,2-Dichloroethane	1.972	1.919	0.010	2.7	40.0
	23 Trichloroethylene	0.453	0.470	0.010	3.8	40.0
	24 1,2-Dichloropropane	0.415	0.380	0.010	8.4	25.0
	25 Dichlorobromomethane	0.688	0.691	0.010	0.4	40.0
	26 2-Chloroethylvinyl ether	0.258	0.245	0.010	5.2	40.0
	27 cis-1,3-Dichloropropylene	0.555	0.542	0.010	2.4	40.0
	28 Methyl-iso-butyl ketone	1.026	0.964	0.010	6.0	40.0
$	29 Toluene-D8 (SURR)	1.094	1.120	0.010	2.3	40.0
	30 Toluene	0.771	0.715	0.010	7.2	25.0
	31 trans-1,3-Dichloropropylene	0.495	0.482	0.010	2.7	40.0
	32 1,1,2-Trichloroethane	0.394	0.391	0.010	0.6	40.0
	33 Tetrachloroethylene	0.540	0.627	0.010	16.1	40.0
	34 2-Hexanone	0.776	0.739	0.010	4.8	40.0
	35 Chlorodibromomethane	0.618	0.755	0.010	22.3	40.0
	37 Chlorobenzene	1.060	0.980	0.300	7.5	40.0
	38 Ethylbenzene	0.473	0.446	0.010	5.6	25.0
	39 m+p-Xylenes	0.580	0.545	0.010	6.1	40.0
	40 o-Xylene	0.596	0.532	0.010	10.8	40.0
	41 Styrene	0.957	0.853	0.010	10.9	40.0
	42 Bromoform	0.565	0.722	0.300	27.7	40.0
$	43 Bromofluorobenzene (SURR)	0.843	0.923	0.010	9.4	40.0

Data File: /chem/aux/msc.i/c121394.b/c0522.d
Report Date: 13-Dec-1994 11:32

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0522.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 13-DEC-94 10:34
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c121394.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.042	0.962	0.300	7.7	40.0
45 1,3-Dichlorobenzene	0.957	1.105	0.010	15.4	40.0
46 1,4-Dichlorobenzene	1.116	1.292	0.010	15.8	40.0
47 1,2-Dichlorobenzene	0.963	1.074	0.010	11.5	40.0

Data File: /chem/aux/msc.i/c121494.b/c0542.d
Report Date: 14-Dec-1994 13:14

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0542.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 14-DEC-94 12:32
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c121494.b/8240heatc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Methyl chloride	0.640	0.705	0.300	10.1	40.0
	2 Vinyl chloride	0.910	1.072	0.010	17.8	25.0
	3 Methyl bromide	1.126	1.104	0.010	2.0	40.0
	4 Chloroethane	0.559	0.560	0.010	0.1	40.0
	5 Acrolein	0.227	0.246	0.010	8.2	40.0
	6 1,1-Dichloroethylene	1.085	1.126	0.010	3.8	25.0
	7 Acetone	0.682	0.662	0.010	2.8	40.0
	8 Carbon disulfide	2.938	2.847	0.010	3.1	40.0
	9 Methylene chloride	1.243	1.146	0.010	7.8	40.0
	10 Acrylonitrile	0.461	0.447	0.010	3.0	40.0
	11 1,2-Trans-dichloroethylene	1.192	1.157	0.010	2.9	40.0
	12 1,1-Dichloroethane	2.277	2.218	0.300	2.6	40.0
	13 1,2-cis-Dichloroethylene	1.235	1.191	0.010	3.5	40.0
	14 Methyl ethyl ketone	0.064	0.057	0.010	10.6	40.0
	16 Chloroform	2.799	2.745	0.010	1.9	25.0
	17 1,1,1-Trichloroethane	0.565	0.580	0.010	2.7	40.0
	18 Carbon tetrachloride	0.543	0.548	0.010	0.9	40.0
S	19 1,2-Dichloroethane-D4 (SURR)	1.524	1.676	0.010	10.0	40.0
	20 Benzene	0.861	0.803	0.010	6.8	40.0
	21 1,2-Dichloroethane	1.972	2.067	0.010	4.9	40.0
	23 Trichloroethylene	0.453	0.431	0.010	4.7	40.0
	24 1,2-Dichloropropane	0.415	0.416	0.010	0.3	25.0
	25 Dichlorobromomethane	0.688	0.710	0.010	3.3	40.0
	26 2-Chloroethylvinyl ether	0.258	0.254	0.010	1.6	40.0
	27 cis-1,3-Dichloropropylene	0.555	0.543	0.010	2.0	40.0
	28 Methyl-iso-butyl ketone	1.026	1.086	0.010	5.9	40.0
S	29 Toluene-D8 (SURR)	1.094	1.212	0.010	10.8	40.0
	30 Toluene	0.771	0.755	0.010	2.1	25.0
	31 trans-1,3-Dichloropropylene	0.495	0.483	0.010	2.5	40.0
	32 1,1,2-Trichloroethane	0.394	0.359	0.010	8.8	40.0
	33 Tetrachloroethylene	0.540	0.571	0.010	5.7	40.0
	34 2-Hexanone	0.776	0.827	0.010	6.6	40.0
	35 Chlorodibromomethane	0.618	0.642	0.010	4.0	40.0
	37 Chlorobenzene	1.060	1.019	0.300	3.9	40.0
	38 Ethylbenzene	0.473	0.467	0.010	1.3	25.0
	39 m+p-Xylenes	0.580	0.562	0.010	3.1	40.0
	40 o-Xylene	0.596	0.576	0.010	3.5	40.0
	41 Styrene	0.957	0.892	0.010	6.8	40.0
	42 Bromoform	0.565	0.599	0.300	5.9	40.0
S	43 Bromofluorobenzene (SURR)	0.843	0.918	0.010	9.0	40.0

Data File: /chem/aux/msc.i/c121494.b/c0542.d
Report Date: 14-Dec-1994 13:14

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0542.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 14-DEC-94 12:32
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c121494.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.042	0.995	0.300	4.5	40.0
45 1,3-Dichlorobenzene	0.957	1.012	0.010	5.7	40.0
46 1,4-Dichlorobenzene	1.116	1.150	0.010	3.1	40.0
47 1,2-Dichlorobenzene	0.963	0.956	0.010	0.8	40.0

Data File: /chem/aux/msc.i/c1217a94.b/c0609.d
Report Date: 17-Dec-1994 20:15

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0609.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-DEC-94 19:37
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c1217a94.b/8240heatc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.640	0.792	0.300	23.8	40.0	
	2 Vinyl chloride	0.910	1.223	0.010	34.5	25.0	<-
	3 Methyl bromide	1.126	1.232	0.010	9.3	40.0	
	4 Chloroethane	0.559	0.642	0.010	14.7	40.0	
	5 Acrolein	0.227	0.239	0.010	5.1	40.0	
	6 1,1-Dichloroethylene	1.085	1.235	0.010	13.8	25.0	
	7 Acetone	0.682	0.780	0.010	14.4	40.0	
	8 Carbon disulfide	2.938	2.960	0.010	0.7	40.0	
	9 Methylene chloride	1.243	1.306	0.010	5.1	40.0	
	10 Acrylonitrile	0.461	0.431	0.010	6.5	40.0	
	11 1,2-Trans-dichloroethylene	1.192	1.270	0.010	6.5	40.0	
	12 1,1-Dichloroethane	2.277	2.529	0.300	11.1	40.0	
	13 1,2-cis-Dichloroethylene	1.235	1.298	0.010	5.1	40.0	
	14 Methyl ethyl ketone	0.064	0.051	0.010	20.7	40.0	
	16 Chloroform	2.799	2.897	0.010	3.5	25.0	
	17 1,1,1-Trichloroethane	0.565	0.592	0.010	4.8	40.0	
	18 Carbon tetrachloride	0.543	0.560	0.010	3.0	40.0	
S	19 1,2-Dichloroethane-D4 (SURR)	1.524	1.847	0.010	21.2	40.0	
	20 Benzene	0.861	0.839	0.010	2.6	40.0	
	21 1,2-Dichloroethane	1.972	2.274	0.010	15.3	40.0	
	23 Trichloroethylene	0.453	0.425	0.010	6.1	40.0	
	24 1,2-Dichloropropane	0.415	0.430	0.010	3.6	25.0	
	25 Dichlorobromomethane	0.688	0.712	0.010	3.4	40.0	
	26 2-Chloroethylvinyl ether	0.258	0.248	0.010	3.9	40.0	
	27 cis-1,3-Dichloropropylene	0.555	0.556	0.010	0.2	40.0	
	28 Methyl-iso-butyl ketone	1.026	1.004	0.010	2.2	40.0	
S	29 Toluene-D8 (SURR)	1.094	1.152	0.010	5.3	40.0	
	30 Toluene	0.771	0.775	0.010	0.5	25.0	
	31 trans-1,3-Dichloropropylene	0.495	0.474	0.010	4.4	40.0	
	32 1,1,2-Trichloroethane	0.394	0.361	0.010	8.2	40.0	
	33 Tetrachloroethylene	0.540	0.548	0.010	1.4	40.0	
	34 2-Hexanone	0.776	0.735	0.010	5.2	40.0	
	35 Chlorodibromomethane	0.618	0.614	0.010	0.6	40.0	
	37 Chlorobenzene	1.060	1.029	0.300	2.9	40.0	
	38 Ethylbenzene	0.473	0.462	0.010	2.4	25.0	
	39 m,p-Xylenes	0.580	0.572	0.010	1.2	40.0	
	40 o-Xylene	0.596	0.573	0.010	3.9	40.0	
	41 Styrene	0.957	0.919	0.010	4.0	40.0	
	42 Bromoform	0.565	0.558	0.300	1.4	40.0	
S	43 Bromofluorobenzene (SURR)	0.843	0.951	0.010	12.8	40.0	

Data File: /chem/aux/msc.i/c1217a94.b/c0609.d
Report Date: 17-Dec-1994 20:15

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0609.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-DEC-94 19:37
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c1217a94.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.042	1.071	0.300	2.7	40.0
45 1,3-Dichlorobenzene	0.957	1.030	0.010	7.6	40.0
46 1,4-Dichlorobenzene	1.116	1.183	0.010	6.1	40.0
47 1,2-Dichlorobenzene	0.963	0.999	0.010	3.7	40.0

Data File: /chem/aux/msc.i/c121894.b/c0632.d
Report Date: 18-Dec-1994 15:19

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0632.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-DEC-94 14:47
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c121894.b/8240heatc.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Methyl chloride	0.640	0.729	0.300	13.9	40.0	
	2 Vinyl chloride	0.910	1.148	0.010	26.1	25.0	<-
	3 Methyl bromide	1.126	1.204	0.010	6.8	40.0	
	4 Chloroethane	0.559	0.648	0.010	15.8	40.0	
	5 Acrolein	0.227	0.248	0.010	9.3	40.0	
	6 1,1-Dichloroethylene	1.085	1.221	0.010	12.5	25.0	
	7 Acetone	0.682	0.620	0.010	9.0	40.0	
	8 Carbon disulfide	2.938	2.916	0.010	0.8	40.0	
	9 Methylene chloride	1.243	1.308	0.010	5.3	40.0	
	10 Acrylonitrile	0.461	0.453	0.010	1.7	40.0	
	11 1,2-Trans-dichloroethylene	1.192	1.298	0.010	8.8	40.0	
	12 1,1-Dichloroethane	2.277	2.496	0.300	9.6	40.0	
	13 1,2-cis-Dichloroethylene	1.235	1.322	0.010	7.0	40.0	
	14 Methyl ethyl ketone	0.064	0.059	0.010	7.0	40.0	
	16 Chloroform	2.799	2.926	0.010	4.5	25.0	
	17 1,1,1-Trichloroethane	0.565	0.600	0.010	6.3	40.0	
	18 Carbon tetrachloride	0.543	0.536	0.010	1.4	40.0	
S	19 1,2-Dichloroethane-D4 (SURR)	1.524	1.871	0.010	22.8	40.0	
	20 Benzene	0.861	0.846	0.010	1.8	40.0	
	21 1,2-Dichloroethane	1.972	2.177	0.010	10.4	40.0	
	23 Trichloroethylene	0.453	0.377	0.010	16.7	40.0	
	24 1,2-Dichloropropane	0.415	0.384	0.010	7.4	25.0	
	25 Dichlorobromomethane	0.688	0.670	0.010	2.6	40.0	
	26 2-Chloroethylvinyl ether	0.258	0.230	0.010	11.0	40.0	
	27 cis-1,3-Dichloropropylene	0.555	0.507	0.010	8.5	40.0	
	28 Methyl-iso-butyl ketone	1.026	1.014	0.010	1.2	40.0	
S	29 Toluene-D8 (SURR)	1.094	1.151	0.010	5.2	40.0	
	30 Toluene	0.771	0.769	0.010	0.3	25.0	
	31 trans-1,3-Dichloropropylene	0.495	0.458	0.010	7.6	40.0	
	32 1,1,2-Trichloroethane	0.394	0.350	0.010	11.1	40.0	
	33 Tetrachloroethylene	0.540	0.530	0.010	1.8	40.0	
	34 2-Hexanone	0.776	0.790	0.010	1.9	40.0	
	35 Chlorodibromomethane	0.618	0.598	0.010	3.2	40.0	
	37 Chlorobenzene	1.060	1.041	0.300	1.8	40.0	
	38 Ethylbenzene	0.473	0.464	0.010	1.8	25.0	
	39 m-p-Xylenes	0.580	0.569	0.010	1.9	40.0	
	40 o-Xylene	0.596	0.578	0.010	3.0	40.0	
	41 Styrene	0.957	0.910	0.010	4.9	40.0	
	42 Bromoform	0.565	0.519	0.300	8.3	40.0	
S	43 Bromofluorobenzene (SURR)	0.843	0.933	0.010	10.7	40.0	

Data File: /chem/aux/msc.i/c121894.b/c0632.d
Report Date: 18-Dec-1994 15:19

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0632.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-DEC-94 14:47
Init. Calibration Date(s): 11/08/94 11/23/94
Init. Calibration Times: 10:10 16:21
Method File: /chem/aux/msc.i/c121894.b/8240heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.042	1.076	0.300	3.3	40.0
45 1,3-Dichlorobenzene	0.957	0.985	0.010	2.9	40.0
46 1,4-Dichlorobenzene	1.116	1.153	0.010	3.4	40.0
47 1,2-Dichlorobenzene	0.963	0.949	0.010	1.5	40.0

Report Date : 20-Dec-1994 10:50

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 19-DEC-94 14:22
End Cal Date : 19-DEC-94 14:57
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c121994.b/121994heatc.m
Cal Date : 20-Dec-1994 10:47

Calibration File Names:
Level 1: /chem/aux/msc.i/c121994.b/c0661.d
Level 2: /chem/aux/msc.i/c121994.b/c0662.d
Level 3: /chem/aux/msc.i/c121994.b/c0663.d
Level 4: /chem/aux/msc.i/c121994.b/c0664.d
Level 5: /chem/aux/msc.i/c121994.b/c0665.d

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
1 Methyl chloride	0.84266	0.95234	0.91219	0.89771	0.92228	0.90544	4.462
2 Vinyl chloride	1.13700	1.27187	1.30720	1.24736	1.25890	1.24447	5.153
3 Methyl bromide	1.21862	1.28949	1.24132	1.17657	1.15879	1.21696	4.284
4 Chloroethane	0.71516	0.67320	0.65799	0.63264	0.62690	0.66118	5.378
5 Acrolein	0.24695	0.29604	0.29536	0.28963	0.20800	0.26720	14.546
6 1,1-Dichloroethylene	1.11098	1.31839	1.22318	1.22229	1.11470	1.19791	7.257
7 Acetone	0.95359	0.99594	0.87119	0.77344	0.66375	0.85158	15.866
8 Carbon disulfide	2.62767	3.42455	3.23948	3.21573	3.07978	3.11744	9.626
9 Methylene chloride	1.53374	1.44719	1.32440	1.29331	1.23531	1.36679	8.872
10 Acrylonitrile	0.55527	0.58952	0.62735	0.54762	0.54668	0.57329	6.091
11 1,2-Trans-dichloroethylene	1.20367	1.38922	1.32105	1.30248	1.29296	1.30187	5.113
12 1,1-Dichloroethane	2.65147	3.07777	2.92105	2.75702	2.76509	2.83448	5.877
13 1,2-cis Dichloroethylene	1.25106	1.36039	1.37123	1.28554	1.28503	1.31065	3.998
14 Methyl ethyl ketone	0.05998	0.06691	0.07152	0.06057	0.05503	0.06280	10.265
15 Chloroform	3.16440	3.53442	3.26179	3.04945	2.99133	3.20028	6.686
17 1,1,1-Trichloroethane	0.56542	0.65960	0.65820	0.65507	0.61087	0.62983	6.564
18 Carbon tetrachloride	0.50106	0.61498	0.60493	0.60491	0.57646	0.58047	8.039
20 Benzene	0.86975	0.94072	0.91937	0.84272	0.83941	0.88239	5.178
21 1,2-Dichloroethane	2.50872	2.84857	2.65495	2.37594	2.46471	2.57058	7.208
23 Trichloroethylene	0.40033	0.45983	0.43667	0.40822	0.39889	0.42079	6.324
24 1,2-Dichloropropane	0.46765	0.50956	0.45949	0.46461	0.46636	0.47353	4.303
25 Dichlorobromomethane	0.65868	0.74696	0.71855	0.73807	0.75958	0.72437	5.473
26 2-Chloroethylvinyl ether	0.28247	0.28787	0.28905	0.28764	0.30649	0.29071	3.159
27 cis-1,3-Dichloropropylene	0.57584	0.59910	0.58667	0.58264	0.62258	0.59336	3.100
28 Methyl isobutyl ketone	1.44967	1.57795	1.49583	1.21833	1.21689	1.39173	11.889
30 Toluene	0.74939	0.87144	0.82255	0.75418	0.76504	0.79252	6.681
31 trans-1,3-Dichloropropylene	0.50467	0.49192	0.53115	0.53868	0.55376	0.52504	5.104

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 19-DEC-94 14:22
End Cal Date : 19-DEC-94 14:57
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msc.i/c121994.b/121994heatc.m
Cal Date : 20-Dec-1994 10:47

Compound	10 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	RRF	% RSD/R^2
32 1,1,2-Trichloroethane	0.38756	0.37610	0.38431	0.38028	0.38690	0.38303	1.257
33 Tetrachloroethylene	0.47793	0.57600	0.56237	0.50706	0.50422	0.52552	7.941
34 2-Hexanone	1.02195	1.09066	1.16444	0.94921	0.92029	1.02931	9.761
35 Chlorodibromomethane	0.54675	0.55531	0.59903	0.65492	0.65270	0.60175	8.559
37 Chlorobenzene	0.97159	1.08238	1.02649	0.95239	0.95294	0.99716	5.659
38 Ethylbenzene	0.42234	0.49454	0.47630	0.44993	0.45102	0.45883	6.020
39 m+p-Xylenes	0.51740	0.61997	0.57791	0.53184	0.53675	0.55678	7.520
40 o-Xylene	0.52661	0.62306	0.58109	0.54146	0.53454	0.56135	7.192
41 Styrene	0.83493	0.94640	0.95313	0.88419	0.90231	0.90419	5.355
42 Bromoform	0.44742	0.49169	0.55450	0.56248	0.59677	0.53059	11.310
44 1,1,2,2-Tetrachloroethane	1.04808	1.14503	1.15724	1.02735	1.03487	1.08252	5.841
45 1,3-Dichlorobenzene	0.91991	1.08504	0.99767	0.91545	0.89972	0.96356	8.075
46 1,4-Dichlorobenzene	1.06104	1.27121	1.19362	1.09616	1.03479	1.13136	8.721
47 1,2-Dichlorobenzene	0.90380	1.06358	0.96821	0.88677	0.87468	0.93941	8.327
$ 19 1,2-Dichloroethane-D4 (SURR)	1.97602	2.26936	2.27533	2.02419	2.07118	2.12322	6.605
$ 29 Toluene-D8 (SURR)	1.14615	1.31196	1.22254	1.12623	1.13621	1.18862	6.625
$ 43 Bromofluorobenzene (SURR)	1.08400	1.14873	1.09805	1.01509	1.02576	1.07432	5.111

Data File: /chem/aux/msc.i/c122094.b/c0686.d
Report Date: 20-Dec-1994 10:53

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0686.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 20-DEC-94 10:19
Init. Calibration Date(s): 12/19/94 12/19/94
Init. Calibration Times: 14:22 14:57
Method File: /chem/aux/msc.i/c122094.b/121994heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
1 Methyl chloride	0.905	0.676	0.300	25.4	40.0
2 Vinyl chloride	1.244	1.181	0.010	5.1	25.0
3 Methyl bromide	1.217	1.291	0.010	6.1	40.0
4 Chloroethane	0.661	0.696	0.010	5.2	40.0
5 Acrolein	0.267	0.232	0.010	13.3	40.0
6 1,1-Dichloroethylene	1.198	1.296	0.010	8.2	25.0
7 Acetone	0.852	0.595	0.010	30.1	40.0
8 Carbon disulfide	3.117	3.162	0.010	1.4	40.0
9 Methylene chloride	1.367	1.282	0.010	6.2	40.0
10 Acrylonitrile	0.573	0.440	0.010	23.2	40.0
11 1,2-Trans-dichloroethylene	1.302	1.294	0.010	0.6	40.0
12 1,1-Dichloroethane	2.834	2.407	0.300	15.1	40.0
13 1,2-cis-Dichloroethylene	1.311	1.322	0.010	0.9	40.0
14 Methyl ethyl ketone	0.063	0.055	0.010	12.9	40.0
16 Chloroform	3.200	2.761	0.010	13.7	25.0
17 1,1,1-Trichloroethane	0.630	0.556	0.010	11.8	40.0
18 Carbon tetrachloride	0.580	0.504	0.010	13.1	40.0
19 1,2-Dichloroethane-D4 (SURR)	2.123	1.520	0.010	28.4	40.0
20 Benzene	0.882	0.819	0.010	7.2	40.0
21 1,2-Dichloroethane	2.571	1.982	0.010	22.9	40.0
23 Trichloroethylene	0.421	0.426	0.010	1.2	40.0
24 1,2-Dichloropropane	0.474	0.404	0.010	14.7	25.0
25 Dichlorobromomethane	0.724	0.637	0.010	12.0	40.0
26 2-Chloroethylvinyl ether	0.291	0.246	0.010	15.4	40.0
27 cis-1,3-Dichloropropylene	0.593	0.547	0.010	7.8	40.0
28 Methyl-iso-butyl ketone	1.392	0.906	0.010	34.9	40.0
29 Toluene-D8 (SURR)	1.189	1.084	0.010	8.8	40.0
30 Toluene	0.793	0.785	0.010	0.9	25.0
31 trans-1,3-Dichloropropylene	0.525	0.473	0.010	9.9	40.0
32 1,1,2-Trichloroethane	0.383	0.377	0.010	1.5	40.0
33 Tetrachloroethylene	0.526	0.518	0.010	1.5	40.0
34 2-Hexanone	1.029	0.716	0.010	30.4	40.0
35 Chlorodibromomethane	0.602	0.595	0.010	1.0	40.0
37 Chlorobenzene	0.997	1.014	0.300	1.7	40.0
38 Ethylbenzene	0.459	0.456	0.010	0.7	25.0
39 m-p-Xylenes	0.557	0.560	0.010	0.5	40.0
40 o-Xylene	0.561	0.566	0.010	0.9	40.0
41 Styrene	0.904	0.913	0.010	1.0	40.0
42 Bromoform	0.531	0.497	0.300	6.3	40.0
43 Bromofluorobenzene (SURR)	1.074	0.753	0.010	29.9	40.0

Data File: /chem/aux/msc.i/c122094.b/c0686.d
Report Date: 20-Dec-1994 10:53

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0686.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 20-DEC-94 10:19
Init. Calibration Date(s): 12/19/94 12/19/94
Init. Calibration Times: 14:22 14:57
Method File: /chem/aux/msc.i/c122094.b/121994heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.083	0.976	0.300	9.8	40.0
45 1,3-Dichlorobenzene	0.964	0.905	0.010	6.1	40.0
46 1,4-Dichlorobenzene	1.131	1.041	0.010	8.0	40.0
47 1,2-Dichlorobenzene	0.939	0.866	0.010	7.8	40.0

Data File: /chem/aux/msc.i/c122194.b/c0704.d
Report Date: 21-Dec-1994 11:43

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0704.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-DEC-94 11:11
Init. Calibration Date(s): 12/19/94 12/19/94
Init. Calibration Times: 14:22 14:57
Method File: /chem/aux/msc.i/c122194.b/121994heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
1 Methyl chloride	0.905	0.716	0.300	20.9	40.0
2 Vinyl chloride	1.244	1.165	0.010	6.3	25.0
3 Methyl bromide	1.217	1.329	0.010	9.2	40.0
4 Chloroethane	0.661	0.697	0.010	5.4	40.0
5 Acrolein	0.267	0.243	0.010	9.0	40.0
6 1,1-Dichloroethylene	1.198	1.284	0.010	7.2	25.0
7 Acetone	0.852	0.597	0.010	29.9	40.0
8 Carbon disulfide	3.117	3.012	0.010	3.4	40.0
9 Methylene chloride	1.367	1.434	0.010	4.9	40.0
10 Acrylonitrile	0.573	0.469	0.010	18.3	40.0
11 1,2-Trans-dichloroethylene	1.302	1.318	0.010	1.2	40.0
12 1,1-Dichloroethane	2.834	2.396	0.300	15.5	40.0
13 1,2-cis-Dichloroethylene	1.311	1.345	0.010	2.6	40.0
14 Methyl ethyl ketone	0.063	0.057	0.010	9.0	40.0
15 Chloroform	3.200	2.793	0.010	12.7	25.0
17 1,1,1-Trichloroethane	0.630	0.568	0.010	9.7	40.0
18 Carbon tetrachloride	0.580	0.517	0.010	11.0	40.0
19 1,2-Dichloroethane-D4 (SURR)	2.123	1.585	0.010	25.4	40.0
20 Benzene	0.832	0.833	0.010	5.7	40.0
21 1,2-Dichloroethane	2.571	2.002	0.010	22.1	40.0
23 Trichloroethylene	0.421	0.435	0.010	3.4	40.0
24 1,2-Dichloropropane	0.474	0.405	0.010	14.5	25.0
25 Dichlorobromomethane	0.724	0.658	0.010	9.2	40.0
26 2-Chloroethylvinyl ether	0.291	0.254	0.010	12.6	40.0
27 cis-1,3-Dichloropropylene	0.593	0.540	0.010	8.9	40.0
28 Methyl-iso-butyl ketone	1.392	0.905	0.010	35.0	40.0
29 Toluene-D8 (SURR)	1.189	1.102	0.010	7.2	40.0
30 Toluene	0.793	0.784	0.010	1.1	25.0
31 trans-1,3-Dichloropropylene	0.525	0.479	0.010	8.7	40.0
32 1,1,2-Trichloroethane	0.383	0.387	0.010	1.0	40.0
33 Tetrachloroethylene	0.526	0.528	0.010	0.4	40.0
34 2-Hexanone	1.029	0.718	0.010	30.2	40.0
35 Chlorodibromomethane	0.602	0.634	0.010	5.4	40.0
37 Chlorobenzene	0.997	1.037	0.300	4.0	40.0
38 Ethylbenzene	0.459	0.465	0.010	1.4	25.0
39 m-p-Xylenes	0.557	0.582	0.010	4.4	40.0
40 o-Xylene	0.561	0.578	0.010	2.9	40.0
41 Styrene	0.904	0.933	0.010	3.2	40.0
42 Bromoform	0.531	0.512	0.300	3.4	40.0
43 Bromofluorobenzene (SURR)	1.074	0.802	0.010	25.3	40.0

Data File: /chem/aux/msc.i/c122194.b/c0704.d
Report Date: 21-Dec-1994 11:43

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0704.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-DEC-94 11:11
Init. Calibration Date(s): 12/19/94 12/19/94
Init. Calibration Times: 14:22 14:57
Method File: /chem/aux/msc.i/c122194.b/121994heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.083	1.036	0.300	4.3	40.0
45 1,3-Dichlorobenzene	0.964	0.925	0.010	4.0	40.0
46 1,4-Dichlorobenzene	1.131	1.086	0.010	4.0	40.0
47 1,2-Dichlorobenzene	0.939	0.903	0.010	3.9	40.0

Data File: /chem/aux/msc.i/c010395.b/c0947.d
Report Date: 03-Jan-1995 12:07

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0947.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 03-JAN-95 10:36
Init. Calibration Date(s): 12/19/94 12/19/94
Init. Calibration Times: 14:22 14:57
Method File: /chem/aux/msc.i/c010395.b/121994heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
1 Methyl chloride	0.905	0.784	0.300	13.4	40.0
2 Vinyl chloride	1.244	1.220	0.010	1.9	25.0
3 Methyl bromide	1.217	1.211	0.010	0.5	40.0
4 Chloroethane	0.661	0.688	0.010	4.1	40.0
5 Acrolein	0.267	0.329	0.010	23.2	40.0
6 1,1-Dichloroethylene	1.198	1.330	0.010	11.1	25.0
7 Acetone	0.852	0.852	0.010	0.1	40.0
8 Carbon disulfide	3.117	3.524	0.010	13.0	40.0
9 Methylene chloride	1.367	1.437	0.010	5.1	40.0
10 Acrylonitrile	0.573	0.655	0.010	14.2	40.0
11 1,2-Trans-dichloroethylene	1.302	1.401	0.010	7.6	40.0
12 1,1-Dichloroethane	2.834	2.929	0.300	3.3	40.0
13 1,2-cis-Dichloroethylene	1.311	1.396	0.010	6.5	40.0
14 Methyl ethyl ketone	0.063	0.075	0.010	19.6	40.0
16 Chloroform	3.200	3.231	0.010	1.0	25.0
17 1,1,1-Trichloroethane	0.630	0.620	0.010	1.6	40.0
18 Carbon tetrachloride	0.580	0.561	0.010	3.4	40.0
19 1,2-Dichloroethane-D4 (SURR)	2.123	1.881	0.010	11.4	40.0
20 Benzene	0.882	0.931	0.010	5.5	40.0
21 1,2-Dichloroethane	2.571	2.473	0.010	3.8	40.0
23 Trichloroethylene	0.421	0.420	0.010	0.3	40.0
24 1,2-Dichloropropane	0.474	0.471	0.010	0.6	25.0
25 Dichlorobromomethane	0.724	0.768	0.010	6.0	40.0
26 2-Chloroethylvinyl ether	0.291	0.313	0.010	7.6	40.0
27 cis-1,3-Dichloropropylene	0.593	0.632	0.010	6.5	40.0
28 Methyl-iso-butyl ketone	1.392	1.358	0.010	2.4	40.0
29 Toluene-D8 (SURR)	1.189	1.238	0.010	4.2	40.0
30 Toluene	0.793	0.862	0.010	8.8	25.0
31 trans-1,3-Dichloropropylene	0.525	0.561	0.010	6.9	40.0
32 1,1,2-Trichloroethane	0.383	0.407	0.010	6.2	40.0
33 Tetrachloroethylene	0.526	0.505	0.010	4.0	40.0
34 2-Hexanone	1.029	1.083	0.010	5.2	40.0
35 Chlorodibromomethane	0.602	0.629	0.010	4.5	40.0
37 Chlorobenzene	0.997	1.067	0.300	7.0	40.0
38 Ethylbenzene	0.459	0.480	0.010	4.5	25.0
39 m+p-Xylenes	0.557	0.582	0.010	4.5	40.0
40 o-Xylene	0.551	0.607	0.010	8.1	40.0
41 Styrene	0.904	0.955	0.010	5.7	40.0
42 Bromoform	0.531	0.522	0.300	1.5	40.0
43 Bromofluorobenzene (SURR)	1.074	1.046	0.010	2.6	40.0

Data File: /chem/aux/msc.i/c010395.b/c0947.d
Report Date: 03-Jan-1995 12:07

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msc.i
Lab File ID: c0947.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 03-JAN-95 10:36
Init. Calibration Date(s): 12/19/94 12/19/94
Init. Calibration Times: 14:22 14:57
Method File: /chem/aux/msc.i/c010395.b/121994heatc.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
44 1,1,2,2-Tetrachloroethane	1.083	1.219	0.300	12.7	40.0
45 1,3-Dichlorobenzene	0.964	1.005	0.010	4.3	40.0
46 1,4-Dichlorobenzene	1.131	1.173	0.010	3.7	40.0
47 1,2-Dichlorobenzene	0.939	0.970	0.010	3.2	40.0

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 08A/B

Instrument ID: MSA.i Calibration Date(s): 10-20-94 10-20-94

Calibration Times: ~~1624~~ 1047 1621

Calibration File Names:
Level 1: /chem/msa.i/a1020c94.b/a4416.d
Level 2: /chem/msa.i/a1020c94.b/a4417.d
Level 3: /chem/msa.i/a1020c94.b/a4422.d
Level 4: /chem/msa.i/a1020c94.b/a4419.d
Level 5: /chem/msa.i/a1020c94.b/a4420.d

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2
1 N-Nitrosodimethylamine	0.94197	0.82342	0.73070	0.77486	0.71498	0.79719	11.450
2 Pyridine	1.56760	1.39915	1.30611	1.29052	1.29309	1.37129	8.644
5 Phenol	1.80234	1.60228	1.33218	1.32919	1.26538	1.46627	15.573
6 bis(2-Chloroethyl)ether	1.70267	1.52861	1.46684	1.39068	1.31019	1.47980	10.076
7 2-Chlorophenol	1.44282	1.21884	1.09967	1.10745	1.02574	1.17890	13.814
8 1,3-Dichlorobenzene	1.55660	1.33947	1.24112	1.18291	1.10018	1.28405	13.670
10 1,4-Dichlorobenzene	1.57678	1.32965	1.23606	1.18436	1.09173	1.28372	14.416
11 1,2-Dichlorobenzene	1.40633	1.19616	1.02114	0.90513	0.81291	1.06833	22.184 <-
12 2-Methylphenol	1.29314	1.05677	0.92567	0.82280	0.74118	0.96791	22.393 <-
13 2,2'-oxybis(1-Chloropropene)	2.98882	2.63536	2.60286	2.49153	2.35168	2.61405	9.071
14 4-Methylphenol	1.33366	1.19963	1.19294	1.09096	1.06119	1.17568	9.133
15 N-Nitroso-di-n-propylamine	1.33907	1.22392	1.03855	1.05773	0.97826	1.12751	13.238
16 Hexachloroethane	0.64096	0.59797	0.53877	0.52387	0.50364	0.56104	10.131
18 Nitrobenzene	0.45644	0.40410	0.38156	0.36610	0.31524	0.38469	13.447
19 Isophorone	0.92991	0.85509	0.76224	0.75747	0.68325	0.79759	12.017
20 2,4-Dimethylphenol	0.41108	0.35812	0.31990	0.30741	0.28497	0.33629	14.724
21 2-Nitrophenol	0.23223	0.22635	0.20670	0.19442	0.17870	0.20768	10.681
22 bis(2-Chloroethoxy)methane	0.61080	0.52801	0.45775	0.44916	0.38379	0.48590	17.805
23 2,4-Dichlorophenol	0.33695	0.29856	0.27563	0.27348	0.24753	0.28643	11.706
24 1,2,4-Trichlorobenzene	0.37906	0.32127	0.30476	0.28640	0.25818	0.30993	14.578
26 Naphthalene	1.13449	0.95865	0.85946	0.82623	0.74962	0.90569	16.374
27 4-Chloroaniline	0.49484	0.43910	0.40958	0.39789	0.36224	0.42073	11.823
28 Hexachlorobutadiene	0.20717	0.17894	0.16833	0.15521	0.14847	0.17162	13.457
29 4-Chloro-3-methylphenol	0.34868	0.31368	0.29451	0.28303	0.26614	0.30121	10.518
30 2-Methylnaphthalene	0.76011	0.64922	0.55923	0.52379	0.47034	0.59254	19.253
31 1-Methylnaphthalene	2.34121	1.98572	1.75560	1.68757	1.55856	1.86573	16.492
32 Hexachlorocyclopentadiene	0.16891	0.21417	0.24338	0.24431	0.22767	0.21969	14.104

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 08A|B

Instrument ID: MSA.i Calibration Date(s): 10-20-94 10-20-94

Calibration Times: 1047 1621

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2	
33 2,4,6-Trichlorophenol	0.40542	0.37245	0.37133	0.32985	0.31175	0.35816	10.416	
34 2,4,5-Trichlorophenol	0.45337	0.37020	0.38363	0.34260	0.32495	0.37495	13.197	
36 2-Chloronaphthalene	1.19712	0.98794	0.93053	0.84869	0.76912	0.94668	17.180	
37 2-Nitroaniline	0.45953	0.42517	0.41802	0.40368	0.37387	0.41605	7.515	
38 Dimethylphthalate	1.49432	1.26028	1.15451	1.06468	0.98174	1.19111	16.680	
39 2,6-Dinitrotoluene	0.35520	0.32009	0.31545	0.29890	0.27354	0.31264	9.586	
40 Acenaphthylene	1.92815	1.63053	1.48544	1.37342	1.22847	1.52920	17.487	
41 3-Nitroaniline	0.38768	0.35138	0.33335	0.32426	0.30723	0.34078	9.003	
43 2,4-Dinitrophenol	+++++	0.12460	0.15106	0.14801	0.13717	0.14021	8.553	
44 Acenaphthene	1.22301	0.98720	0.92108	0.77331	0.67342	0.91560	23.075	<-
45 4-Nitrophenol	0.11785	0.11396	0.11658	0.11186	0.10590	0.11323	4.157	
46 2,4-Dinitrotoluene	0.46115	0.39388	0.38082	0.33547	0.29735	0.37374	16.600	
47 Dibenzofuran	1.74333	1.38690	1.23514	1.06071	0.95777	1.27677	24.140	<-
48 Diethylphthalate	1.49350	1.26606	1.23410	1.10121	0.96666	1.21231	16.244	
49 4-Chlorophenyl-phenylether	0.71593	0.58181	0.55271	0.50820	0.45279	0.56229	17.559	
50 Fluorene	1.38978	1.11660	1.05705	0.93351	0.84778	1.06895	19.433	
51 4-Nitroaniline	0.39189	0.32549	0.32721	0.30928	0.29916	0.33060	10.944	
52 4,6-Dinitro-2-methylphenol	0.12874	0.15390	0.15692	0.16160	0.14225	0.14868	8.904	
53 N-Nitrosodiphenylamine	0.66264	0.55802	0.48560	0.44833	0.39969	0.51086	20.098	
55 4-Bromophenyl-phenylether	0.28109	0.23137	0.20701	0.20670	0.18321	0.22188	16.779	
56 Hexachlorobenzene	0.34423	0.29606	0.26779	0.24963	0.21886	0.27531	17.309	
57 Pentachlorophenol	+++++	0.14041	0.14603	0.14986	0.13930	0.14390	3.439	
60 Phenanthrene	1.25665	1.08939	0.97314	0.90177	0.79442	1.00307	17.725	
61 Anthracene	1.32751	1.12271	0.97646	0.94468	0.83469	1.04121	18.271	
62 Carbazole	1.20640	0.99626	0.85936	0.85801	0.73191	0.93039	19.391	
63 Di-n-butylphthalate	1.82166	1.53791	1.38141	1.28861	1.07419	1.42076	19.707	
64 Fluoranthene	1.29080	1.07671	0.95521	0.92583	0.81500	1.01271	17.895	
65 Benzidine	0.59200	0.45591	0.40510	+++++	+++++	0.48434	19.953	
66 Pyrene	1.30050	1.27984	1.17274	1.18193	1.05091	1.19718	8.325	
68 Butylbenzylphthalate	0.78909	0.76012	0.72567	0.68102	0.60216	0.71161	10.295	
70 bis(2-Ethylhexyl)phthalate	1.08930	1.01720	0.89663	0.82909	0.71744	0.90993	16.249	
71 3,3'-Dichlorobenzidine	0.43743	0.39206	0.37471	0.35495	0.31181	0.37419	12.377	
72 Benzo(a)anthracene	1.19506	1.07874	1.02517	0.99917	0.88694	1.03702	10.869	
74 Chrysene	1.10405	1.05567	0.90631	0.91976	0.83487	0.96413	11.594	

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 08A/B

Instrument ID: MSA.i Calibration Date(s): 10-20-94 10-20-94

Calibration Times: 1047 1621

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2
75 Di-n-octylphthalate	2.35983	2.29476	2.20136	2.26537	2.05786	2.23583	5.128
76 Benzo(b)fluoranthene	1.33444	1.20548	1.12951	1.13590	0.91736	1.14454	13.228
77 Benzo(k)fluoranthene	1.38248	1.29061	1.31273	1.16543	1.23448	1.27715	6.414
78 Benzo(a)pyrene	1.10020	1.01931	1.00007	0.94750	0.86558	0.98653	8.827
80 Dibenzo(a,h)anthracene	0.69123	0.62554	0.57914	0.58352	0.55627	0.60714	8.769
81 Indeno(1,2,3-cd)pyrene	0.81225	0.72485	0.70177	0.67263	0.63865	0.71003	9.243
82 Benzo(g,h,i)perylene	0.59826	0.54003	0.50883	0.48535	0.46589	0.51967	9.989
$ 3 2-Fluorophenol	1.26382	1.13179	1.06566	1.09516	1.01744	1.11477	8.364
$ 4 Phenol-d5	1.67139	1.51582	1.37140	1.32839	1.26820	1.43104	11.352
$ 17 Nitrobenzene-d5	0.43024	0.39559	0.36723	0.36175	0.32689	0.37634	10.306
$ 35 2-Fluorobiphenyl	1.27715	1.07808	1.05435	0.89747	0.83174	1.02776	16.911
$ 54 2,4,6-Tribromophenol	0.22002	0.19420	0.19375	0.18567	0.16941	0.19261	9.506
$ 67 Terphenyl-d14	0.93446	0.83664	0.82371	0.78647	0.66167	0.80859	12.201

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 08A/B

Instrument ID: MSA.i Calibration Date: 10-26-94 Time: 1007

Lab File ID: a4471 Init. Calib. Date(s): 10-20-94 10-20-94

Init. Calib. Times: 1047 1621

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 N-Nitrosodimethylamine	0.797	0.812	0.010	1.9	100.0
	2 Pyridine	1.371	1.439	0.010	4.9	100.0
$	3 2-Fluorophenol	1.115	1.142	0.600	2.5	25.0
$	4 Phenol-d5	1.431	1.523	0.800	6.4	25.0
	5 Phenol	1.466	1.499	0.800	2.2	25.0
	6 bis(2-Chloroethyl)ether	1.480	1.558	0.700	5.3	25.0
	7 2-Chlorophenol	1.179	1.173	0.800	0.5	25.0
	8 1,3-Dichlorobenzene	1.284	1.320	0.600	2.8	25.0
	10 1,4-Dichlorobenzene	1.284	1.301	0.500	1.3	25.0
	11 1,2-Dichlorobenzene	1.068	1.111	0.400	4.0	25.0
	12 2-Methylphenol	0.968	1.117	0.700	15.4	25.0
	13 2,2'-oxybis(1-Chloropropene)	2.614	2.854	0.010	9.2	100.0
	14 4-Methylphenol	1.176	1.247	0.600	6.1	25.0
	15 N-Nitroso-di-n-propylamine	1.128	1.118	0.500	0.8	25.0
	16 Hexachloroethane	0.561	0.565	0.300	0.7	25.0
$	17 Nitrobenzene-d5	0.376	0.372	0.200	1.3	25.0
	18 Nitrobenzene	0.385	0.406	0.200	5.5	25.0
	19 Isophorone	0.798	0.811	0.400	1.7	25.0
	20 2,4-Dimethylphenol	0.336	0.331	0.200	1.7	25.0
	21 2-Nitrophenol	0.208	0.210	0.100	0.9	25.0
	22 bis(2-Chloroethoxy)methane	0.486	0.485	0.300	0.2	25.0
	23 2,4-Dichlorophenol	0.286	0.280	0.200	2.1	25.0
	24 1,2,4-Trichlorobenzene	0.310	0.311	0.200	0.4	25.0
	26 Naphthalene	0.906	0.937	0.700	3.5	25.0
	27 4-Chloroaniline	0.421	0.438	0.010	4.1	100.0
	28 Hexachlorobutadiene	0.172	0.176	0.010	2.4	100.0
	29 4-Chloro-3-methylphenol	0.301	0.306	0.200	1.7	25.0
	30 2-Methylnaphthalene	0.593	0.606	0.400	2.3	25.0
	31 1-Methylnaphthalene	1.866	1.878	0.010	0.7	100.0
	32 Hexachlorocyclopentadiene	0.220	0.266	0.010	21.0	100.0
	33 2,4,6-Trichlorophenol	0.358	0.347	0.200	3.1	25.0
	34 2,4,5-Trichlorophenol	0.375	0.401	0.200	6.8	25.0
$	35 2-Fluorobiphenyl	1.028	1.007	0.700	2.0	25.0
	36 2-Chloronaphthalene	0.947	0.952	0.800	0.6	25.0
	37 2-Nitroaniline	0.416	0.412	0.010	0.9	100.0
	38 Dimethylphthalate	1.191	1.169	0.010	1.9	100.0
	39 2,6-Dinitrotoluene	0.313	0.312	0.200	0.2	25.0
	40 Acenaphthylene	1.529	1.490	1.300	2.5	25.0
	41 3-Nitroaniline	0.341	0.341	0.010	0.0	100.0
	43 2,4-Dinitrophenol	0.140	0.175	0.010	24.9	100.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 08A/B

Instrument ID: MSA.i Calibration Date: 10-26-94 Time: 1007

Lab File ID: a4471 Init. Calib. Date(s): 10-20-94 10-20-94

Init. Calib. Times: 1047 1621

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	44 Acenaphthene	0.916	0.965	0.800	5.4	25.0
	45 4-Nitrophenol	0.113	0.119	0.010	4.9	100.0
	46 2,4-Dinitrotoluene	0.374	0.393	0.200	5.0	25.0
	47 Dibenzofuran	1.277	1.317	0.800	3.1	25.0
	48 Diethylphthalate	1.212	1.221	0.010	0.7	100.0
	49 4-Chlorophenyl-phenylether	0.562	0.548	0.400	2.5	25.0
	50 Fluorene	1.069	1.074	0.900	0.5	25.0
	51 4-Nitroaniline	0.331	0.340	0.010	3.0	100.0
	52 4,6-Dinitro-2-methylphenol	0.149	0.167	0.010	12.3	100.0
	53 N-Nitrosodiphenylamine	0.511	0.502	0.010	1.8	100.0
$	54 2,4,6-Tribromophenol	0.193	0.187	0.010	2.8	100.0
	55 4-Bromophenyl-phenylether	0.222	0.216	0.100	2.4	25.0
	56 Hexachlorobenzene	0.275	0.267	0.100	2.9	25.0
	57 Pentachlorophenol	0.144	0.124	0.050	13.6	25.0
	60 Phenanthrene	1.003	1.015	0.700	1.1	25.0
	61 Anthracene	1.041	0.987	0.700	5.2	25.0
	62 Carbazole	0.930	0.941	0.010	1.2	100.0
	63 Di-n-butylphthalate	1.421	1.466	0.010	3.2	100.0
	64 Fluoranthene	1.013	1.067	0.600	5.3	25.0
	65 Benzidine	0.484	0.454	0.010	6.2	100.0
	66 Pyrene	1.197	1.155	0.600	3.5	25.0
$	67 Terphenyl-d14	0.809	0.823	0.500	1.7	25.0
	68 Butylbenzylphthalate	0.712	0.672	0.010	5.5	100.0
	70 bis(2-Ethylhexyl)phthalate	0.910	0.861	0.010	5.4	100.0
	71 3,3'-Dichlorobenzidine	0.374	0.380	0.010	1.6	100.0
	72 Benzo(a)anthracene	1.037	1.030	0.800	0.6	25.0
	74 Chrysene	0.964	0.936	0.700	2.9	25.0
	75 Di-n-octylphthalate	2.236	1.799	0.010	19.6	100.0
	76 Benzo(b)fluoranthene	1.145	1.063	0.700	7.1	25.0
	77 Benzo(k)fluoranthene	1.277	1.048	0.700	17.9	25.0
	78 Benzo(a)pyrene	0.987	0.915	0.700	7.2	25.0
	80 Dibenzo(a,h)anthracene	0.607	0.648	0.400	6.7	25.0
	81 Indeno(1,2,3-cd)pyrene	0.710	0.781	0.500	10.0	25.0
	82 Benzo(g,h,i)perylene	0.520	0.603	0.500	16.1	25.0

Data File: /chem/aux/msa.i/a110994.b/a4632.d
Report Date: 09-Nov-1994 09:15

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msa.i
Lab File ID: a4632.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 09-NOV-94 08:14
Init. Calibration Date(s): 10/20/94 10/20/94
Init. Calibration Times: 16:21 16:21
Method File: /chem/aux/msa.i/a110994.b/bnaclpa.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 N-Nitrosodimethylamine	0.797	0.724	0.010	9.2	100.0
	2 Pyridine	1.371	1.328	0.010	3.2	100.0
$	3 2-Fluorophenol	1.115	1.122	0.600	0.6	25.0
$	4 Phenol-d5	1.431	1.500	0.800	4.8	25.0
	5 Phenol	1.466	1.473	0.800	0.5	25.0
	6 bis(2-Chloroethyl)ether	1.480	1.421	0.700	4.0	25.0
	7 2-Chlorophenol	1.179	1.192	0.800	1.1	25.0
	8 1,3-Dichlorobenzene	1.284	1.291	0.600	0.5	25.0
	10 1,4-Dichlorobenzene	1.284	1.312	0.500	2.2	25.0
	11 1,2-Dichlorobenzene	1.068	1.282	0.400	20.0	25.0
	12 2-Methylphenol	0.968	1.163	0.700	20.1	25.0
	13 2,2'-oxybis(1-Chloropropene)	2.614	2.429	0.010	7.1	100.0
	14 4-Methylphenol	1.176	1.270	0.600	8.0	25.0
	15 N-Nitroso-di-n-propylamine	1.128	1.109	0.500	1.6	25.0
	16 Hexachloroethane	0.561	0.570	0.300	1.5	25.0
$	17 Nitrobenzene-d5	0.376	0.369	0.200	1.9	25.0
	18 Nitrobenzene	0.385	0.379	0.200	1.5	25.0
	19 Isophorone	0.798	0.805	0.400	0.9	25.0
	20 2,4-Dimethylphenol	0.336	0.325	0.200	3.4	25.0
	21 2-Nitrophenol	0.208	0.205	0.100	1.4	25.0
	22 bis(2-Chloroethoxy)methane	0.486	0.479	0.300	1.4	25.0
	23 2,4-Dichlorophenol	0.286	0.296	0.200	3.2	25.0
	24 1,2,4-Trichlorobenzene	0.310	0.305	0.200	1.6	25.0
	26 Naphthalene	0.906	0.947	0.700	4.5	25.0
	27 4-Chloroaniline	0.421	0.430	0.010	2.2	100.0
	28 Hexachlorobutadiene	0.172	0.163	0.010	5.1	100.0
	29 4-Chloro-3-methylphenol	0.301	0.320	0.200	6.4	25.0
	30 2-Methylnaphthalene	0.593	0.601	0.400	1.4	25.0
	31 1-Methylnaphthalene	1.866	1.928	0.010	3.4	100.0
	32 Hexachlorocyclopentadiene	0.220	0.241	0.010	9.7	100.0
	33 2,4,6-Trichlorophenol	0.358	0.350	0.200	2.4	25.0
	34 2,4,5-Trichlorophenol	0.375	0.382	0.200	1.9	25.0
$	35 2-Fluorobiphenyl	1.028	1.034	0.700	0.6	25.0
	36 2-Chloronaphthalene	0.947	0.946	0.800	0.1	25.0
	37 2-Nitroaniline	0.416	0.413	0.010	0.8	100.0
	38 Dimethylphthalate	1.191	1.186	0.010	0.4	100.0
	39 2,6-Dinitrotoluene	0.313	0.332	0.200	6.3	25.0
	40 Acenaphthylene	1.529	1.489	1.300	2.6	25.0
	41 3-Nitroaniline	0.341	0.349	0.010	2.3	100.0
	43 2,4-Dinitrophenol	0.140	0.176	0.010	25.5	100.0

Data File: /chem/aux/msa.i/a110994.b/a4632.d
Report Date: 09-Nov-1994 09:15

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msa.i
Lab File ID: a4632.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 09-NOV-94 08:14
Init. Calibration Date(s): 10/20/94 10/20/94
Init. Calibration Times: 16:21 16:21
Method File: /chem/aux/msa.i/a110994.b/bnaclpa.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	44 Acenaphthene	0.916	0.981	0.800	7.1	25.0	
	45 4-Nitrophenol	0.113	0.125	0.010	10.8	100.0	
	46 2,4-Dinitrotoluene	0.374	0.459	0.200	22.9	25.0	
	47 Dibenzofuran	1.277	1.319	0.800	3.3	25.0	
	48 Diethylphthalate	1.212	1.286	0.010	6.0	100.0	
	49 4-Chlorophenyl-phenylether	0.562	0.541	0.400	3.8	25.0	
	50 Fluorene	1.069	1.047	0.900	2.0	25.0	
	51 4-Nitroaniline	0.331	0.365	0.010	10.4	100.0	
	52 4,6-Dinitro-2-methylphenol	0.149	0.150	0.010	1.0	100.0	
	53 N-Nitrosodiphenylamine	0.511	0.490	0.010	4.1	100.0	
S	54 2,4,6-Tribromophenol	0.193	0.196	0.010	1.8	100.0	
	55 4-Bromophenyl-phenylether	0.222	0.214	0.100	3.6	25.0	
	56 Hexachlorobenzene	0.275	0.270	0.100	1.9	25.0	
	57 Pentachlorophenol	0.144	0.100	0.050	30.2	25.0	<-
	60 Phenanthrene	1.003	1.009	0.700	0.6	25.0	
	61 Anthracene	1.041	0.959	0.700	7.9	25.0	
	62 Carbazole	0.930	0.928	0.010	0.2	100.0	
	63 Di-n-butylphthalate	1.421	1.469	0.010	3.4	100.0	
	64 Fluoranthene	1.013	1.102	0.600	8.8	25.0	
	65 Benzidine	0.484	0.361	0.010	25.5	100.0	
	66 Pyrene	1.197	1.280	0.600	6.9	25.0	
S	67 Terphenyl-d14	0.809	0.919	0.500	13.6	25.0	
	68 Butylbenzylphthalate	0.712	0.787	0.010	10.6	100.0	
	70 bis(2-Ethylhexyl)phthalate	0.910	0.965	0.010	6.0	100.0	
	71 3,3'-Dichlorobenzidine	0.374	0.477	0.010	27.6	100.0	
	72 Benzo(a)anthracene	1.037	1.121	0.800	8.1	25.0	
	74 Chrysene	0.964	1.026	0.700	6.5	25.0	
	75 Di-n-octylphthalate	2.236	1.893	0.010	15.4	100.0	
	76 Benzo(b)fluoranthene	1.145	0.984	0.700	14.1	25.0	
	77 Benzo(k)fluoranthene	1.277	1.216	0.700	4.8	25.0	
	78 Benzo(a)pyrene	0.987	0.966	0.700	2.1	25.0	
	80 Dibenzo(a,h)anthracene	0.607	0.688	0.400	13.3	25.0	
	81 Indeno(1,2,3-cd)pyrene	0.710	0.849	0.500	19.5	25.0	
	82 Benzo(g,h,i)perylene	0.520	0.649	0.500	24.8	25.0	

Report Date : 10-Nov-1994 15:32

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-94 09:31
End Cal Date : 03-NOV-94 10:07
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Cal Date : 10-Nov-1994 15:17

Calibration File Names:
Level 1: /chem/aux/mse.i/e1103c94.b/e2600.d
Level 2: /chem/aux/mse.i/e1103c94.b/e2601.d
Level 3: /chem/aux/mse.i/e1103c94.b/e2602.d
Level 4: /chem/aux/mse.i/e1103c94.b/e2603.d
Level 5: /chem/aux/mse.i/e1103c94.b/e2604.d

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2
1 N-Nitrosodimethylamine	0.49211	0.49585	0.62398	0.65751	0.67850	0.58959	15.168
2 Pyridine	0.94591	0.99012	0.93918	1.08975	1.16486	1.02596	9.573
5 Phenol	1.40377	1.21321	1.19361	1.38310	1.69137	1.37701	14.526
6 bis(2-Chloroethyl)ether	1.22328	1.11852	1.11045	1.09988	1.08591	1.12761	4.865
7 2-Chlorophenol	1.17357	1.07131	1.07450	1.07515	1.14587	1.10808	4.347
8 1,3-Dichlorobenzene	1.19072	1.07381	1.11108	1.14958	1.25917	1.15687	6.212
10 1,4-Dichlorobenzene	1.19072	1.07381	1.11108	1.14958	1.25917	1.15687	6.212
11 2-Methylphenol	1.01133	0.92576	0.93348	1.02013	1.13328	1.00480	8.344
12 1,2-Dichlorobenzene	1.19072	1.07381	1.11108	1.14958	1.25917	1.15687	6.212
13 2,2'-oxybis(1-Chloropropene)	1.01677	0.90997	0.94923	0.93540	1.01517	0.96531	5.009
14 4-Methylphenol	1.01133	0.92576	0.93348	1.02013	1.13328	1.00480	8.344
15 N-Nitroso-di-n-propylamine	0.83095	0.78430	0.83707	0.86125	0.94170	0.85106	6.795
16 Hexachloroethane	0.58516	0.56151	0.57812	0.56966	0.57396	0.57368	1.549
18 Nitrobenzene	0.36890	0.35062	0.34422	0.33203	0.33993	0.34714	4.008
19 Isophorone	0.72358	0.64883	0.66073	0.66882	0.68117	0.67662	4.252
20 2,4-Dimethylphenol	0.34459	0.33186	0.34067	0.33895	0.36263	0.34374	3.352
21 2-Nitrophenol	0.20598	0.19055	0.18514	0.17801	0.17865	0.18767	6.104
22 bis(2-Chloroethoxy)methane	0.38294	0.35066	0.34122	0.33294	0.35048	0.35165	5.396
23 2,4-Dichlorophenol	0.28220	0.26272	0.26839	0.27898	0.30043	0.27854	5.221
24 1,2,4-Trichlorobenzene	0.28842	0.27119	0.28007	0.29176	0.30459	0.28721	4.376
26 Naphthalene	0.87870	0.75386	0.76583	0.81003	0.91871	0.82543	8.663
27 4-Chloroaniline	0.39003	0.35247	0.36103	0.34978	0.37151	0.36496	4.488
28 Hexachlorobutadiene	0.17497	0.18778	0.19794	0.21422	0.22357	0.19970	9.817
4-Chloro-3-methylphenol	0.31999	0.28201	0.28658	0.30497	0.33007	0.30472	6.807
2-Methylnaphthalene	0.61050	0.52409	0.54957	0.59172	0.65431	0.58604	8.726
31 1-Methylnapthalene	0.52850	0.45667	0.45968	0.49590	0.55218	0.49859	8.417
32 Hexachlorocyclopentadiene	0.02076	0.05579	0.09066	0.12320	0.14816	0.08772	58.196

Report Date : 10-Nov-1994 15:32

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-94 09:31
End Cal Date : 03-NOV-94 10:07
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Cal Date : 10-Nov-1994 15:17

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2	
33 2,4,6-Trichlorophenol	0.28683	0.27877	0.30514	0.32266	0.33087	0.30485	7.334	
34 2,4,5-Trichlorophenol	0.29132	0.30574	0.31818	0.35024	0.36846	0.32679	9.751	
36 2-Chloronaphthalene	0.88863	0.81065	0.85001	0.86687	0.92556	0.86835	4.937	
37 2-Nitroaniline	0.34654	0.33777	0.35116	0.35611	0.34595	0.34751	1.959	
38 Dimethylphthalate	1.29020	1.17344	1.22227	1.23800	1.26946	1.23867	3.639	
39 2,6-Dinitrotoluene	0.28290	0.25613	0.28356	0.30451	0.31264	0.28795	7.650	
40 Acenaphthylene	1.48272	1.28316	1.38558	1.55165	1.59660	1.45994	8.690	
41 3-Nitroaniline	0.29142	0.27191	0.27914	0.28570	0.30190	0.28601	4.017	
43 2,4-Dinitrophenol	0.06876	0.09544	0.11738	0.13120	0.14292	0.11114	26.594	
44 Acenaphthene	0.90687	0.81344	0.86687	0.93334	0.96433	0.89697	6.558	
45 4-Nitrophenol	0.16113	0.17207	0.19807	0.22874	0.23384	0.19877	16.415	
46 2,4-Dinitrotoluene	0.41312	0.38225	0.39242	0.38954	0.38801	0.39307	3.003	
47 Dibenzofuran	1.28358	1.17265	1.27060	1.34313	1.41881	1.29775	7.031	
48 Diethylphthalate	1.42517	1.31649	1.34167	1.37197	1.40720	1.37250	3.272	
49 4-Chlorophenyl-phenylether	0.48025	0.49064	0.54769	0.57664	0.57670	0.53438	8.676	
50 Fluorene	1.01923	0.95345	1.04062	1.13230	1.17908	1.06494	8.487	
51 4-Nitroaniline	0.27604	0.27109	0.28128	0.27319	0.25890	0.27210	3.054	
52 4,6-Dinitro-2-methylphenol	0.10168	0.11230	0.12854	0.14843	0.16586	0.13136	19.899	
53 N-Nitrosodiphenylamine	0.44296	0.40396	0.43979	0.47766	0.51186	0.45525	9.008	
55 4-Bromophenyl-phenylether	0.16475	0.16746	0.20024	0.21981	0.23015	0.19648	15.144	
56 Hexachlorobenzene	+++++	0.19226	0.23154	0.25056	0.25953	0.23347	12.786	
57 Pentachlorophenol	+++++	0.04981	0.05815	0.06988	0.08282	0.06517	22.037	<-
59 Phenanthrene	0.87021	0.83410	0.92357	0.98991	1.04837	0.93323	9.336	
60 Anthracene	0.89998	0.86681	0.92568	0.99437	1.06098	0.94957	8.208	
61 Carbazole	0.80931	0.71115	0.77022	0.81970	0.87130	0.79633	7.501	
62 Di-n-butylphthalate	1.50087	1.35444	1.43177	1.50067	1.60487	1.47852	6.284	
63 Benzidine	0.18010	0.21984	0.22761	0.20155	0.19827	0.20547	9.131	
64 Fluoranthene	0.91708	0.90984	1.00345	1.08672	1.12631	1.00868	9.677	
65 Pyrene	0.90156	0.84402	0.92572	0.99468	1.00552	0.93430	7.183	
67 Butylbenzylphthalate	0.66514	0.56635	0.59218	0.61863	0.64278	0.61702	6.363	
[illegible] bis(2-Ethylhexyl)phthalate	0.88938	0.87882	1.00413	0.98759	0.89327	0.93064	6.453	
[illegible] 3,3'-Dichlorobenzidine	0.30078	0.31016	0.36154	0.37385	0.33810	0.33688	9.379	
71 Benzo(a)anthracene	0.83449	0.86931	0.96126	0.92005	0.81623	0.88027	6.830	
72 Chrysene	0.73763	0.73636	0.83468	0.88069	0.88216	0.81431	8.978	

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 03-NOV-94 09:31
End Cal Date : 03-NOV-94 10:07
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/mse.i/e1103c94.b/bnaclpe.m
Cal Date : 10-Nov-1994 15:17

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2
73 Di-n-octylphthalate	1.72303	1.57324	1.75593	1.94034	2.03000	1.80451	10.059
74 Benzo(b)fluoranthene	0.78185	0.84574	0.99852	1.19650	1.37700	1.03992	23.758 <-
75 Benzo(k)fluoranthene	0.85236	0.98784	1.17920	1.16188	0.78734	0.99372	17.810
76 Benzo(a)pyrene	0.71335	0.76886	0.90123	0.97627	1.00533	0.87301	14.636
78 Dibenzo(a,h)anthracene	0.65217	0.74454	0.86992	0.92149	0.92917	0.82346	14.688
79 Indeno(1,2,3-cd)pyrene	0.78322	0.87861	1.01754	1.09238	1.10463	0.97528	14.361
80 Benzo(g,h,i)perylene	0.59850	0.61306	0.68811	0.74208	0.75675	0.67970	10.643
$ 3 2-Fluorophenol	1.04557	1.02623	1.08989	1.08114	1.03475	1.05552	2.691
$ 4 Phenol-d5	1.31263	1.18476	1.18405	1.22021	1.37245	1.25482	6.702
$ 17 Nitrobenzene-d5	0.38382	0.35327	0.35792	0.35196	0.36007	0.36141	3.586
$ 35 2-Fluorobiphenyl	0.99282	0.92878	1.00348	1.06709	1.12754	1.02394	7.412
$ 54 2,4,6-Tribromophenol	0.11513	0.15618	0.19904	0.22490	0.23290	0.18563	26.658
$ 66 Terphenyl-d14	0.58500	0.59353	0.67532	0.70746	0.68688	0.64964	8.679

Data File: /chem/aux/mse.i/e111694.b/e2826.d
Report Date: 16-Nov-1994 07:48

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2826.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 16-NOV-94 07:07
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e111694.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	2 Pyridine	1.026	0.740	0.010	27.8	100.0	
	1 N-Nitrosodimethylamine	0.590	0.435	0.010	26.1	100.0	
S	3 2-Fluorophenol	1.056	0.891	0.600	15.6	25.0	
S	4 Phenol-d5	1.255	1.008	0.800	19.7	25.0	
	5 Phenol	1.377	1.126	0.800	18.2	25.0	
	6 bis(2-Chloroethyl)ether	1.128	0.928	0.700	17.7	25.0	
S	89 2-Chlorobenzene-D4	++++	1.060	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.108	1.035	0.800	6.6	25.0	
S	88 1,2-Dichlorobenzene-D4	++++	0.741	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.136	0.600	1.8	25.0	
	10 1,4-Dichlorobenzene	1.157	1.136	0.500	1.8	25.0	
	12 1,2-Dichlorobenzene	1.157	1.136	0.400	1.8	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.735	0.010	23.9	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.613	0.500	28.0	25.0	<-
	11 2-Methylphenol	1.005	0.916	0.700	8.8	25.0	
	14 4-Methylphenol	1.005	0.916	0.600	8.8	25.0	
	16 Hexachloroethane	0.574	0.558	0.300	2.7	25.0	
S	17 Nitrobenzene-d5	0.361	0.334	0.200	7.7	25.0	
	18 Nitrobenzene	0.347	0.312	0.200	10.1	25.0	
	19 Isophorone	0.677	0.577	0.400	14.7	25.0	
	21 2-Nitrophenol	0.188	0.192	0.100	2.6	25.0	
	20 2,4-Dimethylphenol	0.344	0.321	0.200	6.7	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.311	0.300	11.5	25.0	
	23 2,4-Dichlorophenol	0.279	0.287	0.200	3.1	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.317	0.200	10.5	25.0	
	26 Naphthalene	0.825	0.825	0.700	0.0	25.0	
	27 4-Chloroaniline	0.365	0.340	0.010	6.9	100.0	
	28 Hexachlorobutadiene	0.200	0.235	0.010	17.9	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.288	0.200	5.4	25.0	
	30 2-Methylnaphthalene	0.586	0.574	0.400	2.0	25.0	
	31 1-Methylnapthalene	0.499	0.535	0.400	7.3	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.036	0.010	59.5	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.292	0.200	4.2	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.343	0.200	5.1	25.0	
S	35 2-Fluorobiphenyl	1.024	1.021	0.700	0.3	25.0	
	36 2-Chloronaphthalene	0.868	0.838	0.800	3.5	25.0	
	37 2-Nitroaniline	0.348	0.261	0.010	25.0	100.0	
	38 Dimethylphthalate	1.239	1.162	0.010	6.2	100.0	
	40 Acenaphthylene	1.460	1.224	1.300	16.1	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.265	0.200	8.0	25.0	

Data File: /chem/aux/mse.i/e111694.b/e2826.d
Report Date: 16-Nov-1994 07:48

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2826.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 16-NOV-94 07:07
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e111694.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 3-Nitroaniline	0.286	0.255	0.010	10.9	100.0
	44 Acenaphthene	0.897	0.854	0.800	4.8	25.0
	43 2,4-Dinitrophenol	0.111	0.066	0.010	40.9	100.0
	47 Dibenzofuran	1.298	1.217	0.800	6.2	25.0
	45 4-Nitrophenol	0.199	0.189	0.010	4.8	100.0
	46 2,4-Dinitrotoluene	0.393	0.374	0.200	4.9	25.0
	48 Diethylphthalate	1.372	1.311	0.010	4.5	100.0
	49 4-Chlorophenyl-phenylether	0.534	0.592	0.400	10.9	25.0
	50 Fluorene	1.065	1.088	0.900	2.2	25.0
	51 4-Nitroaniline	0.272	0.243	0.010	10.7	100.0
	52 4,6-Dinitro-2-methylphenol	0.131	0.109	0.010	17.3	100.0
	53 N-Nitrosodiphenylamine	0.455	0.428	0.010	5.9	100.0
S	54 2,4,6-Tribromophenol	0.186	0.219	0.010	17.8	100.0
	55 4-Bromophenyl-phenylether	0.196	0.200	0.100	1.9	25.0
	56 Hexachlorobenzene	0.233	0.259	0.100	11.1	25.0
	57 Pentachlorophenol	0.065	0.062	0.050	4.9	25.0
	59 Phenanthrene	0.933	0.926	0.700	0.8	25.0
	60 Anthracene	0.950	0.900	0.700	5.2	25.0
	61 Carbazole	0.796	0.770	0.010	3.3	100.0
	62 Di-n-butylphthalate	1.479	1.449	0.010	2.0	100.0
	64 Fluoranthene	1.009	1.036	0.600	2.7	25.0
	63 Benzidine	0.205	0.199	0.010	3.3	100.0
	65 Pyrene	0.934	0.945	0.600	1.2	25.0
S	66 Terphenyl-d14	0.650	0.702	0.500	8.1	25.0
	67 Butylbenzylphthalate	0.617	0.584	0.010	5.4	100.0
	69 3,3'-Dichlorobenzidine	0.337	0.405	0.010	20.2	100.0
	71 Benzo(a)anthracene	0.880	1.012	0.800	15.0	25.0
	72 Chrysene	0.814	0.842	0.700	3.4	25.0
	68 bis(2-Ethylhexyl)phthalate	0.931	0.886	0.010	4.8	100.0
	73 Di-n-octylphthalate	1.805	1.436	0.010	20.4	100.0
	74 Benzo(b)fluoranthene	1.040	0.915	0.700	12.0	25.0
	75 Benzo(k)fluoranthene	0.994	1.031	0.700	3.7	25.0
	76 Benzo(a)pyrene	0.873	0.823	0.700	5.8	25.0
	78 Dibenzo(a,h)anthracene	0.823	0.825	0.400	0.2	25.0
	79 Indeno(1,2,3-cd)pyrene	0.975	1.013	0.500	3.9	25.0
	80 Benzo(g,h,i)perylene	0.680	0.715	0.500	5.1	25.0

Data File: /chem/aux/mse.i/e111794.b/e2847.d
Report Date: 17-Nov-1994 10:31

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2847.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-NOV-94 08:18
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e111794.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	2 Pyridine	1.026	0.834	0.010	18.7	100.0	
	1 N-Nitrosodimethylamine	0.590	0.430	0.010	27.1	100.0	
S	3 2-Fluorophenol	1.056	0.970	0.600	8.1	25.0	
S	4 Phenol-d5	1.255	1.047	0.800	16.5	25.0	
	5 Phenol	1.377	1.213	0.800	11.9	25.0	
	6 bis(2-Chloroethyl)ether	1.128	0.947	0.700	16.0	25.0	
S	89 2-Chlorobenzene-D4	++++	1.095	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.108	1.080	0.800	2.5	25.0	
S	88 1,2-Dichlorobenzene-D4	++++	0.775	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.216	0.600	5.1	25.0	
	10 1,4-Dichlorobenzene	1.157	1.274	0.500	10.1	25.0	
	12 1,2-Dichlorobenzene	1.157	1.178	0.400	1.8	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.799	0.010	17.2	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.656	0.500	22.9	25.0	
	11 2-Methylphenol	1.005	0.881	0.700	12.3	25.0	
	14 4-Methylphenol	1.005	0.949	0.600	5.6	25.0	
	16 Hexachloroethane	0.574	0.560	0.300	2.3	25.0	
S	17 Nitrobenzene-d5	0.361	0.331	0.200	8.4	25.0	
	18 Nitrobenzene	0.347	0.308	0.200	11.2	25.0	
	19 Isophorone	0.677	0.586	0.400	13.4	25.0	
	21 2-Nitrophenol	0.188	0.188	0.100	0.1	25.0	
	20 2,4-Dimethylphenol	0.344	0.314	0.200	8.6	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.325	0.300	7.6	25.0	
	23 2,4-Dichlorophenol	0.279	0.280	0.200	0.6	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.314	0.200	9.2	25.0	
	26 Naphthalene	0.825	0.809	0.700	1.9	25.0	
	27 4-Chloroaniline	0.365	0.345	0.010	5.5	100.0	
	28 Hexachlorobutadiene	0.200	0.222	0.010	11.2	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.289	0.200	5.0	25.0	
	30 2-Methylnaphthalene	0.586	0.577	0.400	1.5	25.0	
	31 1-Methylnapthalene	0.499	0.528	0.400	5.9	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.025	0.010	71.6	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.288	0.200	5.4	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.331	0.200	1.3	25.0	
S	35 2-Fluorobiphenyl	1.024	1.006	0.700	1.8	25.0	
	36 2-Chloronaphthalene	0.868	0.831	0.800	4.3	25.0	
	37 2-Nitroaniline	0.348	0.268	0.010	22.9	100.0	
	38 Dimethylphthalate	1.239	1.156	0.010	6.6	100.0	
	40 Acenaphthylene	1.460	1.247	1.300	14.6	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.271	0.200	5.9	25.0	

Data File: /chem/aux/mse.i/e111794.b/e2847.d
Report Date: 17-Nov-1994 10:31

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2847.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-NOV-94 08:18
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e111794.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 3-Nitroaniline	0.286	0.265	0.010	7.5	100.0
	44 Acenaphthene	0.897	0.850	0.800	5.3	25.0
	43 2,4-Dinitrophenol	0.111	0.088	0.010	21.1	100.0
	47 Dibenzofuran	1.298	1.230	0.800	5.2	25.0
	45 4-Nitrophenol	0.199	0.188	0.010	5.5	100.0
	46 2,4-Dinitrotoluene	0.393	0.373	0.200	5.2	25.0
	48 Diethylphthalate	1.372	1.332	0.010	3.0	100.0
	49 4-Chlorophenyl-phenylether	0.534	0.577	0.400	7.9	25.0
	50 Fluorene	1.065	1.084	0.900	1.8	25.0
	51 4-Nitroaniline	0.272	0.251	0.010	7.8	100.0
	52 4,6-Dinitro-2-methylphenol	0.131	0.118	0.010	10.4	100.0
	53 N-Nitrosodiphenylamine	0.455	0.423	0.010	7.1	100.0
S	54 2,4,6-Tribromophenol	0.186	0.196	0.010	5.8	100.0
	55 4-Bromophenyl-phenylether	0.196	0.193	0.100	2.0	25.0
	56 Hexachlorobenzene	0.233	0.240	0.100	2.9	25.0
	57 Pentachlorophenol	0.065	0.065	0.050	0.5	25.0
	59 Phenanthrene	0.933	0.925	0.700	0.8	25.0
	60 Anthracene	0.950	0.894	0.700	5.8	25.0
	61 Carbazole	0.796	0.782	0.010	1.7	100.0
	62 Di-n-butylphthalate	1.479	1.457	0.010	1.4	100.0
	64 Fluoranthene	1.009	1.005	0.600	0.4	25.0
	63 Benzidine	0.205	0.201	0.010	2.4	100.0
	65 Pyrene	0.934	0.969	0.600	3.7	25.0
S	66 Terphenyl-d14	0.650	0.708	0.500	9.0	25.0
	67 Butylbenzylphthalate	0.617	0.630	0.010	2.2	100.0
	69 3,3'-Dichlorobenzidine	0.337	0.404	0.010	20.0	100.0
	71 Benzo(a)anthracene	0.880	1.019	0.800	15.7	25.0
	72 Chrysene	0.814	0.849	0.700	4.2	25.0
	68 bis(2-Ethylhexyl)phthalate	0.931	0.908	0.010	2.4	100.0
	73 Di-n-octylphthalate	1.805	1.497	0.010	17.0	100.0
	74 Benzo(b)fluoranthene	1.040	0.962	0.700	7.5	25.0
	75 Benzo(k)fluoranthene	0.994	0.990	0.700	0.3	25.0
	76 Benzo(a)pyrene	0.873	0.816	0.700	6.5	25.0
	78 Dibenzo(a,h)anthracene	0.823	0.842	0.400	2.2	25.0
	79 Indeno(1,2,3-cd)pyrene	0.975	1.027	0.500	5.3	25.0
	80 Benzo(g,h,i)perylene	0.680	0.717	0.500	5.4	25.0

Data File: /chem/aux/mse.i/e1117a94.b/e2861.d
Report Date: 18-Nov-1994 06:34

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2861.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-NOV-94 16:44
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e1117a94.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	2 Pyridine	1.026	0.827	0.010	19.4	100.0	
	1 N-Nitrosodimethylamine	0.590	0.434	0.010	26.5	100.0	
$	3 2-Fluorophenol	1.056	0.948	0.600	10.2	25.0	
$	4 Phenol-d5	1.255	0.980	0.800	21.9	25.0	
	5 Phenol	1.377	1.148	0.800	16.6	25.0	
	6 bis(2-Chloroethyl)ether	1.128	0.924	0.700	18.1	25.0	
$	89 2-Chlorobenzene-D4	++++	1.055	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.108	1.032	0.800	6.9	25.0	
$	88 1,2-Dichlorobenzene-D4	++++	0.749	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.200	0.600	3.7	25.0	
	10 1,4-Dichlorobenzene	1.157	1.242	0.500	7.4	25.0	
	12 1,2-Dichlorobenzene	1.157	1.154	0.400	0.3	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.785	0.010	18.7	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.624	0.500	26.6	25.0	<-
	11 2-Methylphenol	1.005	0.858	0.700	14.7	25.0	
	14 4-Methylphenol	1.005	0.913	0.600	9.1	25.0	
	16 Hexachloroethane	0.574	0.555	0.300	3.3	25.0	
$	17 Nitrobenzene-d5	0.361	0.334	0.200	7.6	25.0	
	18 Nitrobenzene	0.347	0.304	0.200	12.3	25.0	
	19 Isophorone	0.677	0.582	0.400	13.9	25.0	
	21 2-Nitrophenol	0.188	0.196	0.100	4.7	25.0	
	20 2,4-Dimethylphenol	0.344	0.313	0.200	9.1	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.322	0.300	8.4	25.0	
	23 2,4-Dichlorophenol	0.279	0.285	0.200	2.4	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.314	0.200	9.2	25.0	
	26 Naphthalene	0.825	0.827	0.700	0.2	25.0	
	27 4-Chloroaniline	0.365	0.344	0.010	5.8	100.0	
	28 Hexachlorobutadiene	0.200	0.231	0.010	15.6	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.287	0.200	5.8	25.0	
	30 2-Methylnaphthalene	0.586	0.591	0.400	0.9	25.0	
	31 1-Methylnapthalene	0.499	0.540	0.400	8.2	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.021	0.010	75.6	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.297	0.200	2.6	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.339	0.200	3.7	25.0	
$	35 2-Fluorobiphenyl	1.024	1.020	0.700	0.4	25.0	
	36 2-Chloronaphthalene	0.868	0.843	0.800	3.0	25.0	
	37 2-Nitroaniline	0.348	0.267	0.010	23.0	100.0	
	38 Dimethylphthalate	1.239	1.174	0.010	5.2	100.0	
	40 Acenaphthylene	1.460	1.246	1.300	14.6	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.270	0.200	6.3	25.0	

Data File: /chem/aux/mse.i/e1117a94.b/e2861.d
Report Date: 18-Nov-1994 06:34

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2861.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-NOV-94 16:44
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e1117a94.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 3-Nitroaniline	0.286	0.261	0.010	8.6	100.0
	44 Acenaphthene	0.897	0.858	0.800	4.3	25.0
	43 2,4-Dinitrophenol	0.111	0.082	0.010	26.3	100.0
	47 Dibenzofuran	1.298	1.232	0.800	5.1	25.0
	45 4-Nitrophenol	0.199	0.192	0.010	3.6	100.0
	46 2,4-Dinitrotoluene	0.393	0.372	0.200	5.3	25.0
	48 Diethylphthalate	1.372	1.306	0.010	4.9	100.0
	49 4-Chlorophenyl-phenylether	0.534	0.589	0.400	10.2	25.0
	50 Fluorene	1.065	1.087	0.900	2.1	25.0
	51 4-Nitroaniline	0.272	0.249	0.010	8.6	100.0
	52 4,6-Dinitro-2-methylphenol	0.131	0.111	0.010	15.3	100.0
	53 N-Nitrosodiphenylamine	0.455	0.420	0.010	7.7	100.0
$	54 2,4,6-Tribromophenol	0.186	0.193	0.010	3.8	100.0
	55 4-Bromophenyl-phenylether	0.196	0.187	0.100	5.0	25.0
	56 Hexachlorobenzene	0.233	0.230	0.100	1.6	25.0
	57 Pentachlorophenol	0.065	0.070	0.050	7.4	25.0
	59 Phenanthrene	0.933	0.920	0.700	1.4	25.0
	60 Anthracene	0.950	0.880	0.700	7.3	25.0
	61 Carbazole	0.796	0.761	0.010	4.4	100.0
	62 Di-n-butylphthalate	1.479	1.442	0.010	2.4	100.0
	64 Fluoranthene	1.009	1.019	0.600	1.0	25.0
	63 Benzidine	0.205	0.158	0.010	23.0	100.0
	65 Pyrene	0.934	0.979	0.600	4.8	25.0
$	66 Terphenyl-d14	0.650	0.718	0.500	10.5	25.0
	67 Butylbenzylphthalate	0.617	0.628	0.010	1.8	100.0
	69 3,3'-Dichlorobenzidine	0.337	0.400	0.010	18.7	100.0
	71 Benzo(a)anthracene	0.880	1.031	0.800	17.1	25.0
	72 Chrysene	0.814	0.857	0.700	5.2	25.0
	68 bis(2-Ethylhexyl)phthalate	0.931	0.951	0.010	2.2	100.0
	73 Di-n-octylphthalate	1.805	1.545	0.010	14.4	100.0
	74 Benzo(b)fluoranthene	1.040	0.899	0.700	13.6	25.0
	75 Benzo(k)fluoranthene	0.994	1.069	0.700	7.6	25.0
	76 Benzo(a)pyrene	0.873	0.830	0.700	4.9	25.0
	78 Dibenzo(a,h)anthracene	0.823	0.822	0.400	0.1	25.0
	79 Indeno(1,2,3-cd)pyrene	0.975	1.005	0.500	3.0	25.0
	80 Benzo(g,h,i)perylene	0.680	0.691	0.500	1.7	25.0

Data File: /chem/aux/mse.i/e111894.b/e2872.d
Report Date: 18-Nov-1994 08:31

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2872.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 07:52
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e111894.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	2 Pyridine	1.026	0.894	0.010	12.8	100.0	
	1 N-Nitrosodimethylamine	0.590	0.439	0.010	25.5	100.0	
$	3 2-Fluorophenol	1.056	0.962	0.600	8.8	25.0	
$	4 Phenol-d5	1.255	1.052	0.800	16.2	25.0	
	5 Phenol	1.377	1.186	0.800	13.9	25.0	
	6 bis(2-Chloroethyl)ether	1.128	0.959	0.700	14.9	25.0	
$	89 2-Chlorobenzene-D4	++++	1.061	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.108	1.078	0.800	2.7	25.0	
$	88 1,2-Dichlorobenzene-D4	++++	0.755	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.200	0.600	3.8	25.0	
	10 1,4-Dichlorobenzene	1.157	1.250	0.500	8.0	25.0	
	12 1,2-Dichlorobenzene	1.157	1.193	0.400	3.1	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.800	0.010	17.1	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.645	0.500	24.3	25.0	
	11 2-Methylphenol	1.005	0.884	0.700	12.0	25.0	
	14 4-Methylphenol	1.005	0.946	0.600	5.9	25.0	
	16 Hexachloroethane	0.574	0.576	0.300	0.5	25.0	
$	17 Nitrobenzene-d5	0.361	0.335	0.200	7.3	25.0	
	18 Nitrobenzene	0.347	0.314	0.200	9.5	25.0	
	19 Isophorone	0.677	0.582	0.400	14.0	25.0	
	21 2-Nitrophenol	0.188	0.195	0.100	4.0	25.0	
	20 2,4-Dimethylphenol	0.344	0.314	0.200	8.7	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.328	0.300	6.6	25.0	
	23 2,4-Dichlorophenol	0.279	0.277	0.200	0.5	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.304	0.200	6.0	25.0	
	26 Naphthalene	0.825	0.809	0.700	2.0	25.0	
	27 4-Chloroaniline	0.365	0.348	0.010	4.7	100.0	
	28 Hexachlorobutadiene	0.200	0.216	0.010	8.3	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.287	0.200	5.8	25.0	
	30 2-Methylnaphthalene	0.586	0.577	0.400	1.6	25.0	
	31 1-Methylnapthalene	0.499	0.524	0.400	5.2	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.024	0.010	73.0	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.289	0.200	5.4	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.329	0.200	0.6	25.0	
$	35 2-Fluorobiphenyl	1.024	1.020	0.700	0.4	25.0	
	36 2-Chloronaphthalene	0.868	0.845	0.800	2.6	25.0	
	37 2-Nitroaniline	0.348	0.267	0.010	23.1	100.0	
	38 Dimethylphthalate	1.239	1.144	0.010	7.7	100.0	
	40 Acenaphthylene	1.460	1.240	1.300	15.1	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.269	0.200	6.6	25.0	

Data File: /chem/aux/mse.i/e111894.b/e2872.d
Report Date: 18-Nov-1994 08:31

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2872.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 07:52
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e111894.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 3-Nitroaniline	0.286	0.269	0.010	6.1	100.0
	44 Acenaphthene	0.897	0.849	0.800	5.4	25.0
	43 2,4-Dinitrophenol	0.111	0.089	0.010	20.4	100.0
	47 Dibenzofuran	1.298	1.221	0.800	6.0	25.0
	45 4-Nitrophenol	0.199	0.181	0.010	8.7	100.0
	46 2,4-Dinitrotoluene	0.393	0.372	0.200	5.4	25.0
	48 Diethylphthalate	1.372	1.296	0.010	5.6	100.0
	49 4-Chlorophenyl-phenylether	0.534	0.584	0.400	9.2	25.0
	50 Fluorene	1.065	1.095	0.900	2.8	25.0
	51 4-Nitroaniline	0.272	0.258	0.010	5.1	100.0
	52 4,6-Dinitro-2-methylphenol	0.131	0.114	0.010	13.4	100.0
	53 N-Nitrosodiphenylamine	0.455	0.436	0.010	4.2	100.0
$	54 2,4,6-Tribromophenol	0.186	0.179	0.010	3.4	100.0
	55 4-Bromophenyl-phenylether	0.196	0.184	0.100	6.2	25.0
	56 Hexachlorobenzene	0.233	0.229	0.100	2.0	25.0
	57 Pentachlorophenol	0.065	0.064	0.050	2.3	25.0
	59 Phenanthrene	0.933	0.941	0.700	0.8	25.0
	60 Anthracene	0.950	0.897	0.700	5.5	25.0
	61 Carbazole	0.796	0.798	0.010	0.2	100.0
	62 Di-n-butylphthalate	1.479	1.447	0.010	2.1	100.0
	64 Fluoranthene	1.009	1.019	0.600	1.0	25.0
	63 Benzidine	0.205	0.136	0.010	33.9	100.0
	65 Pyrene	0.934	0.963	0.600	3.1	25.0
$	66 Terphenyl-d14	0.650	0.712	0.500	9.6	25.0
	67 Butylbenzylphthalate	0.617	0.627	0.010	1.6	100.0
	69 3,3'-Dichlorobenzidine	0.337	0.399	0.010	18.3	100.0
	71 Benzo(a)anthracene	0.880	1.018	0.800	15.7	25.0
	72 Chrysene	0.814	0.856	0.700	5.1	25.0
	68 bis(2-Ethylhexyl)phthalate	0.931	0.946	0.010	1.6	100.0
	73 Di-n-octylphthalate	1.805	1.627	0.010	9.8	100.0
	74 Benzo(b)fluoranthene	1.040	0.974	0.700	6.4	25.0
	75 Benzo(k)fluoranthene	0.994	1.077	0.700	8.3	25.0
	76 Benzo(a)pyrene	0.873	0.845	0.700	3.2	25.0
	78 Dibenzo(a,h)anthracene	0.823	0.815	0.400	1.0	25.0
	79 Indeno(1,2,3-cd)pyrene	0.975	1.010	0.500	3.5	25.0
	80 Benzo(g,h,i)perylene	0.680	0.668	0.500	1.8	25.0

Data File: /chem/aux/mse.i/e112094.b/e2893.d
Report Date: 20-Nov-1994 12:17

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2893.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 20-NOV-94 11:40
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e112094.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	2 Pyridine	1.026	0.868	0.010	15.4	100.0	
	1 N-Nitrosodimethylamine	0.590	0.431	0.010	26.9	100.0	
S	3 2-Fluorophenol	1.056	0.967	0.600	8.4	25.0	
S	4 Phenol-d5	1.255	1.033	0.800	17.7	25.0	
	5 Phenol	1.377	1.119	0.800	18.7	25.0	
	6 bis(2-Chloroethyl)ether	1.128	0.946	0.700	16.1	25.0	
S	89 2-Chlorobenzene-D4	++++	1.056	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.108	1.040	0.800	6.2	25.0	
S	88 1,2-Dichlorobenzene-D4	++++	0.725	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.167	0.600	0.9	25.0	
	10 1,4-Dichlorobenzene	1.157	1.225	0.500	5.9	25.0	
	12 1,2-Dichlorobenzene	1.157	1.143	0.400	1.2	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.796	0.010	17.5	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.634	0.500	25.5	25.0	<-
	11 2-Methylphenol	1.005	0.879	0.700	12.5	25.0	
	14 4-Methylphenol	1.005	0.952	0.600	5.2	25.0	
	16 Hexachloroethane	0.574	0.557	0.300	2.9	25.0	
S	17 Nitrobenzene-d5	0.361	0.325	0.200	10.0	25.0	
	18 Nitrobenzene	0.347	0.307	0.200	11.5	25.0	
	19 Isophorone	0.677	0.574	0.400	15.2	25.0	
	21 2-Nitrophenol	0.188	0.188	0.100	0.2	25.0	
	20 2,4-Dimethylphenol	0.344	0.317	0.200	7.7	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.325	0.300	7.6	25.0	
	23 2,4-Dichlorophenol	0.279	0.281	0.200	0.9	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.296	0.200	3.2	25.0	
	26 Naphthalene	0.825	0.822	0.700	0.4	25.0	
	27 4-Chloroaniline	0.365	0.350	0.010	4.0	100.0	
	28 Hexachlorobutadiene	0.200	0.214	0.010	7.3	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.292	0.200	4.3	25.0	
	30 2-Methylnaphthalene	0.586	0.573	0.400	2.2	25.0	
	31 1-Methylnapthalene	0.499	0.530	0.400	6.3	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.019	0.010	78.0	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.284	0.200	7.0	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.334	0.200	2.1	25.0	
S	35 2-Fluorobiphenyl	1.024	1.015	0.700	0.9	25.0	
	36 2-Chloronaphthalene	0.868	0.834	0.800	4.0	25.0	
	37 2-Nitroaniline	0.348	0.265	0.010	23.8	100.0	
	38 Dimethylphthalate	1.239	1.126	0.010	9.1	100.0	
	40 Acenaphthylene	1.460	1.221	1.300	16.4	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.264	0.200	8.4	25.0	

Data File: /chem/aux/mse.i/e112094.b/e2893.d
Report Date: 20-Nov-1994 12:17

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2893.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 20-NOV-94 11:40
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e112094.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 3-Nitroaniline	0.286	0.266	0.010	6.9	100.0
	44 Acenaphthene	0.897	0.854	0.800	4.7	25.0
	43 2,4-Dinitrophenol	0.111	0.056	0.010	49.2	100.0
	47 Dibenzofuran	1.298	1.208	0.800	6.9	25.0
	45 4-Nitrophenol	0.199	0.170	0.010	14.4	100.0
	46 2,4-Dinitrotoluene	0.393	0.348	0.200	11.5	25.0
	48 Diethylphthalate	1.372	1.266	0.010	7.8	100.0
	49 4-Chlorophenyl-phenylether	0.534	0.572	0.400	7.1	25.0
	50 Fluorene	1.065	1.080	0.900	1.4	25.0
	51 4-Nitroaniline	0.272	0.245	0.010	10.0	100.0
	52 4,6-Dinitro-2-methylphenol	0.131	0.091	0.010	30.5	100.0
	53 N-Nitrosodiphenylamine	0.455	0.428	0.010	6.0	100.0
S	54 2,4,6-Tribromophenol	0.186	0.168	0.010	9.6	100.0
	55 4-Bromophenyl-phenylether	0.196	0.184	0.100	6.1	25.0
	56 Hexachlorobenzene	0.233	0.226	0.100	3.2	25.0
	57 Pentachlorophenol	0.065	0.053	0.050	19.1	25.0
	59 Phenanthrene	0.933	0.939	0.700	0.6	25.0
	60 Anthracene	0.950	0.903	0.700	4.9	25.0
	61 Carbazole	0.796	0.796	0.010	0.0	100.0
	62 Di-n-butylphthalate	1.479	1.452	0.010	1.8	100.0
	64 Fluoranthene	1.009	1.007	0.600	0.2	25.0
	63 Benzidine	0.205	0.182	0.010	11.4	100.0
	65 Pyrene	0.934	0.986	0.600	5.5	25.0
S	66 Terphenyl-d14	0.650	0.725	0.500	11.6	25.0
	67 Butylbenzylphthalate	0.617	0.639	0.010	3.6	100.0
	69 3,3'-Dichlorobenzidine	0.337	0.396	0.010	17.5	100.0
	71 Benzo(a)anthracene	0.880	1.041	0.800	18.2	25.0
	72 Chrysene	0.814	0.881	0.700	8.2	25.0
	68 bis(2-Ethylhexyl)phthalate	0.931	0.966	0.010	3.8	100.0
	73 Di-n-octylphthalate	1.805	1.649	0.010	8.6	100.0
	74 Benzo(b)fluoranthene	1.040	0.940	0.700	9.6	25.0
	75 Benzo(k)fluoranthene	0.994	1.104	0.700	11.1	25.0
	76 Benzo(a)pyrene	0.873	0.837	0.700	4.1	25.0
	78 Dibenzo(a,h)anthracene	0.823	0.734	0.400	10.9	25.0
	79 Indeno(1,2,3-cd)pyrene	0.975	0.904	0.500	7.3	25.0
	80 Benzo(g,h,i)perylene	0.680	0.576	0.500	15.2	25.0

Data File: /chem/aux/mse.i/e1121a94.b/e2921.d
Report Date: 21-Nov-1994 15:01

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2921.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-NOV-94 13:58
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e1121a94.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	2 Pyridine	1.026	0.953	0.010	7.2	100.0	
	1 N-Nitrosodimethylamine	0.590	0.471	0.010	20.1	100.0	
S	3 2-Fluorophenol	1.056	0.993	0.600	5.9	25.0	
S	4 Phenol-d5	1.255	1.070	0.800	14.7	25.0	
	5 Phenol	1.377	1.180	0.800	14.3	25.0	
	6 bis(2-Chloroethyl)ether	1.128	1.032	0.700	8.5	25.0	
S	89 2-Chlorobenzene-D4	++++	1.093	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.109	1.097	0.800	1.0	25.0	
S	88 1,2-Dichlorobenzene-D4	++++	0.749	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.186	0.600	2.5	25.0	
	10 1,4-Dichlorobenzene	1.157	1.224	0.500	5.8	25.0	
	12 1,2-Dichlorobenzene	1.157	1.153	0.400	0.3	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.849	0.010	12.1	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.647	0.500	24.0	25.0	
	11 2-Methylphenol	1.005	0.915	0.700	8.9	25.0	
	14 4-Methylphenol	1.005	0.970	0.600	3.4	25.0	
	16 Hexachloroethane	0.574	0.576	0.300	0.4	25.0	
S	17 Nitrobenzene-d5	0.361	0.332	0.200	8.3	25.0	
	18 Nitrobenzene	0.347	0.311	0.200	10.3	25.0	
	19 Isophorone	0.677	0.597	0.400	11.8	25.0	
	21 2-Nitrophenol	0.188	0.191	0.100	1.9	25.0	
	20 2,4-Dimethylphenol	0.344	0.321	0.200	6.7	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.334	0.300	5.0	25.0	
	23 2,4-Dichlorophenol	0.279	0.278	0.200	0.3	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.291	0.200	1.5	25.0	
	26 Naphthalene	0.825	0.821	0.700	0.5	25.0	
	27 4-Chloroaniline	0.365	0.332	0.010	9.1	100.0	
	28 Hexachlorobutadiene	0.200	0.207	0.010	3.6	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.293	0.200	3.7	25.0	
	30 2-Methylnaphthalene	0.586	0.579	0.400	1.2	25.0	
	31 1-Methylnapthalene	0.499	0.531	0.400	6.6	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.023	0.010	73.8	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.280	0.200	8.0	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.328	0.200	0.4	25.0	
S	35 2-Fluorobiphenyl	1.024	1.019	0.700	0.5	25.0	
	36 2-Chloronaphthalene	0.868	0.845	0.800	2.7	25.0	
	37 2-Nitroaniline	0.348	0.262	0.010	24.7	100.0	
	38 Dimethylphthalate	1.239	1.147	0.010	7.4	100.0	
	40 Acenaphthylene	1.460	1.264	1.300	13.4	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.272	0.200	5.6	25.0	

Data File: /chem/aux/mse.i/e1121a94.b/e2921.d
Report Date: 21-Nov-1994 15:01

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2921.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-NOV-94 13:58
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e1121a94.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 3-Nitroaniline	0.286	0.266	0.010	7.1	100.0
	44 Acenaphthene	0.897	0.868	0.800	3.2	25.0
	43 2,4-Dinitrophenol	0.111	0.089	0.010	19.6	100.0
	47 Dibenzofuran	1.298	1.232	0.800	5.1	25.0
	45 4-Nitrophenol	0.199	0.167	0.010	16.2	100.0
	46 2,4-Dinitrotoluene	0.393	0.366	0.200	6.8	25.0
	48 Diethylphthalate	1.372	1.295	0.010	5.6	100.0
	49 4-Chlorophenyl-phenylether	0.534	0.572	0.400	7.1	25.0
	50 Fluorene	1.065	1.099	0.900	3.2	25.0
	51 4-Nitroaniline	0.272	0.255	0.010	6.2	100.0
	52 4,6-Dinitro-2-methylphenol	0.131	0.114	0.010	13.0	100.0
	53 N-Nitrosodiphenylamine	0.455	0.437	0.010	3.9	100.0
S	54 2,4,6-Tribromophenol	0.186	0.161	0.010	13.2	100.0
	55 4-Bromophenyl-phenylether	0.196	0.181	0.100	8.0	25.0
	56 Hexachlorobenzene	0.233	0.222	0.100	4.9	25.0
	57 Pentachlorophenol	0.065	0.055	0.050	15.6	25.0
	59 Phenanthrene	0.933	0.937	0.700	0.4	25.0
	60 Anthracene	0.950	0.913	0.700	3.8	25.0
	61 Carbazole	0.796	0.795	0.010	0.2	100.0
	62 Di-n-butylphthalate	1.479	1.468	0.010	0.7	100.0
	64 Fluoranthene	1.009	0.975	0.600	3.3	25.0
	63 Benzidine	0.205	0.193	0.010	5.9	100.0
	65 Pyrene	0.934	1.003	0.600	7.4	25.0
S	66 Terphenyl-d14	0.650	0.719	0.500	10.7	25.0
	67 Butylbenzylphthalate	0.617	0.653	0.010	5.8	100.0
	69 3,3'-Dichlorobenzidine	0.337	0.393	0.010	16.7	100.0
	71 Benzo(a)anthracene	0.880	1.030	0.800	17.0	25.0
	72 Chrysene	0.814	0.890	0.700	9.3	25.0
	68 bis(2-Ethylhexyl)phthalate	0.931	0.991	0.010	6.5	100.0
	73 Di-n-octylphthalate	1.805	1.675	0.010	7.2	100.0
	74 Benzo(b)fluoranthene	1.040	1.072	0.700	3.0	25.0
	75 Benzo(k)fluoranthene	0.994	0.986	0.700	0.8	25.0
	76 Benzo(a)pyrene	0.873	0.855	0.700	2.0	25.0
	78 Dibenzo(a,h)anthracene	0.823	0.754	0.400	8.4	25.0
	79 Indeno(1,2,3-cd)pyrene	0.975	0.921	0.500	5.5	25.0
	80 Benzo(g,h,i)perylene	0.680	0.596	0.500	12.4	25.0

Data File: /chem/aux/mse.i/e112294.b/e2943.d
Report Date: 22-Nov-1994 07:50

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2943.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 22-NOV-94 07:20
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e112294.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	2 Pyridine	1.026	0.964	0.010	6.0	100.0	
	1 N-Nitrosodimethylamine	0.590	0.467	0.010	20.9	100.0	
S	3 2-Fluorophenol	1.056	1.016	0.600	3.7	25.0	
S	4 Phenol-d5	1.255	1.140	0.800	9.2	25.0	
	5 Phenol	1.377	1.227	0.800	10.9	25.0	
	6 bis(2-Chloroethyl)ether	1.128	1.064	0.700	5.7	25.0	
S	39 2-Chlorobenzene-D4	++++	1.122	0.700	++++	25.0	<-
	7 2-Chlorophenol	1.108	1.100	0.800	0.7	25.0	
S	88 1,2-Dichlorobenzene-D4	++++	0.741	0.700	++++	25.0	<-
	8 1,3-Dichlorobenzene	1.157	1.213	0.600	4.9	25.0	
	10 1,4-Dichlorobenzene	1.157	1.259	0.500	8.8	25.0	
	12 1,2-Dichlorobenzene	1.157	1.172	0.400	1.3	25.0	
	13 2,2'-oxybis(1-Chloropropene)	0.965	0.864	0.010	10.5	100.0	
	15 N-Nitroso-di-n-propylamine	0.851	0.649	0.500	23.7	25.0	
	11 2-Methylphenol	1.005	0.930	0.700	7.4	25.0	
	14 4-Methylphenol	1.005	0.989	0.600	1.6	25.0	
	16 Hexachloroethane	0.574	0.576	0.300	0.4	25.0	
S	17 Nitrobenzene-d5	0.361	0.330	0.200	8.7	25.0	
	18 Nitrobenzene	0.347	0.308	0.200	11.3	25.0	
	19 Isophorone	0.677	0.578	0.400	14.5	25.0	
	21 2-Nitrophenol	0.188	0.189	0.100	0.7	25.0	
	20 2,4-Dimethylphenol	0.344	0.306	0.200	11.0	25.0	
	22 bis(2-Chloroethoxy)methane	0.352	0.338	0.300	3.9	25.0	
	23 2,4-Dichlorophenol	0.279	0.271	0.200	2.8	25.0	
	24 1,2,4-Trichlorobenzene	0.287	0.287	0.200	0.0	25.0	
	26 Naphthalene	0.825	0.812	0.700	1.6	25.0	
	27 4-Chloroaniline	0.365	0.324	0.010	11.2	100.0	
	28 Hexachlorobutadiene	0.200	0.198	0.010	0.8	100.0	
	29 4-Chloro-3-methylphenol	0.305	0.283	0.200	7.0	25.0	
	30 2-Methylnaphthalene	0.586	0.578	0.400	1.3	25.0	
	31 1-Methylnapthalene	0.499	0.529	0.400	6.1	25.0	
	32 Hexachlorocyclopentadiene	0.088	0.021	0.010	76.0	100.0	
	33 2,4,6-Trichlorophenol	0.305	0.275	0.200	9.7	25.0	
	34 2,4,5-Trichlorophenol	0.327	0.325	0.200	0.6	25.0	
S	35 2-Fluorobiphenyl	1.024	1.020	0.700	0.4	25.0	
	36 2-Chloronaphthalene	0.868	0.852	0.800	1.9	25.0	
	37 2-Nitroaniline	0.348	0.270	0.010	22.3	100.0	
	38 Dimethylphthalate	1.239	1.146	0.010	7.5	100.0	
	40 Acenaphthylene	1.460	1.279	1.300	12.4	25.0	<-
	39 2,6-Dinitrotoluene	0.288	0.277	0.200	3.8	25.0	

Data File: /chem/aux/mse.i/e112294.b/e2943.d
Report Date: 22-Nov-1994 07:50

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e2943.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 22-NOV-94 07:20
Init. Calibration Date(s): 11/03/94 11/03/94
Init. Calibration Times: 09:31 10:07
Method File: /chem/aux/mse.i/e112294.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 3-Nitroaniline	0.286	0.269	0.010	5.8	100.0	
	44 Acenaphthene	0.897	0.872	0.800	2.7	25.0	
	43 2,4-Dinitrophenol	0.111	0.084	0.010	24.4	100.0	
	47 Dibenzofuran	1.298	1.224	0.800	5.7	25.0	
	45 4-Nitrophenol	0.199	0.155	0.010	21.9	100.0	
	46 2,4-Dinitrotoluene	0.393	0.370	0.200	5.8	25.0	
	48 Diethylphthalate	1.372	1.318	0.010	4.0	100.0	
	49 4-Chlorophenyl-phenylether	0.534	0.559	0.400	4.6	25.0	
	50 Fluorene	1.065	1.076	0.900	1.1	25.0	
	51 4-Nitroaniline	0.272	0.261	0.010	4.1	100.0	
	52 4,6-Dinitro-2-methylphenol	0.131	0.111	0.010	15.7	100.0	
	53 N-Nitrosodiphenylamine	0.455	0.420	0.010	7.7	100.0	
S	54 2,4,6-Tribromophenol	0.186	0.147	0.010	20.6	100.0	
	55 4-Bromophenyl-phenylether	0.196	0.174	0.100	11.4	25.0	
	56 Hexachlorobenzene	0.233	0.208	0.100	11.0	25.0	
	57 Pentachlorophenol	0.065	0.042	0.050	35.3	25.0	<-
	59 Phenanthrene	0.933	0.923	0.700	1.1	25.0	
	60 Anthracene	0.950	0.893	0.700	5.9	25.0	
	61 Carbazole	0.796	0.794	0.010	0.3	100.0	
	62 Di-n-butylphthalate	1.479	1.486	0.010	0.5	100.0	
	64 Fluoranthene	1.009	1.014	0.600	0.5	25.0	
	63 Benzidine	0.205	0.184	0.010	10.4	100.0	
	65 Pyrene	0.934	0.974	0.600	4.3	25.0	
S	66 Terphenyl-d14	0.650	0.674	0.500	3.8	25.0	
	67 Butylbenzylphthalate	0.617	0.661	0.010	7.2	100.0	
	69 3,3'-Dichlorobenzidine	0.337	0.407	0.010	20.8	100.0	
	71 Benzo(a)anthracene	0.880	1.052	0.800	19.5	25.0	
	72 Chrysene	0.814	0.885	0.700	8.7	25.0	
	68 Bis(2-Ethylhexyl)phthalate	0.931	0.998	0.010	7.3	100.0	
	73 Di-n-octylphthalate	1.805	1.616	0.010	10.4	100.0	
	74 Benzo(b)fluoranthene	1.040	0.917	0.700	11.8	25.0	
	75 Benzo(k)fluoranthene	0.994	1.068	0.700	7.4	25.0	
	76 Benzo(a)pyrene	0.873	0.836	0.700	4.2	25.0	
	78 Dibenzo(a,h)anthracene	0.823	0.853	0.400	3.6	25.0	
	79 Indeno(1,2,3-cd)pyrene	0.975	1.044	0.500	7.1	25.0	
	80 Benzo(g,h,i)perylene	0.680	0.687	0.500	1.1	25.0	

Report Date : 18-Nov-1994 10:01

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-94 15:32
End Cal Date : 12-NOV-94 18:13
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Cal Date : 18-Nov-1994 10:01 tom

Calibration File Names:
Level 1: /chem/aux/msb.i/b1112a94.b/b4937.d
Level 2: /chem/aux/msb.i/b1112a94.b/b4938.d
Level 3: /chem/aux/msb.i/b1112a94.b/b4939.d
Level 4: /chem/aux/msb.i/b1112a94.b/b4940.d
Level 5: /chem/aux/msb.i/b1112a94.b/b4941.d

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
2 Pyridine	0.79229	0.79347	0.82440	0.89213	0.90896	0.84225	6.539
1 N-Nitrosodimethylamine	0.50137	0.46073	0.50474	0.54790	0.54798	0.51254	7.152
5 Phenol	1.15938	1.09345	1.12160	1.16574	1.17931	1.14390	3.095
6 bis(2-Chloroethyl)ether	1.04445	0.95101	1.00813	1.03318	1.07298	1.02195	4.500
7 2-Chlorophenol	1.12060	1.03339	1.06927	1.07699	1.05221	1.07049	3.051
8 1,3-Dichlorobenzene	1.20700	1.12319	1.16066	1.13914	1.15465	1.15693	2.727
10 1,4-Dichlorobenzene	1.25879	1.13270	1.14640	1.14547	1.10188	1.15705	5.156
11 1,2-Dichlorobenzene	1.17978	1.04669	1.05680	1.03747	0.99396	1.06294	6.545
12 2-Methylphenol	0.84178	0.76964	0.81026	0.81041	0.81840	0.81010	3.213
13 2,2'-oxybis(1-Chloropropene)	1.00038	0.92810	0.96225	0.97647	1.01151	0.97574	3.375
14 4-Methylphenol	0.88231	0.82495	0.87238	0.88372	0.89955	0.87258	3.249
15 N-Nitroso-di-n-propylamine	0.75648	0.67918	0.71297	0.73418	0.74655	0.72587	4.235
16 Hexachloroethane	0.58212	0.54407	0.56270	0.56418	0.54951	0.56052	2.641
18 Nitrobenzene	0.33424	0.30241	0.32392	0.32182	0.31402	0.31928	3.719
19 Isophorone	0.65576	0.59711	0.65938	0.67251	0.66712	0.65037	4.688
21 2-Nitrophenol	0.22134	0.20202	0.22075	0.21777	0.21235	0.21485	3.726
20 2,4-Dimethylphenol	0.32672	0.29807	0.31965	0.31475	0.31032	0.31390	3.423
22 bis(2-Chloroethoxy)methane	0.40770	0.37478	0.38813	0.39541	0.38808	0.39082	3.076
23 2,4-Dichlorophenol	0.30694	0.28382	0.29660	0.29134	0.28202	0.29214	3.470
24 1,2,4-Trichlorobenzene	0.34455	0.30956	0.31207	0.31277	0.28110	0.31201	7.203
26 Naphthalene	0.86695	0.78756	0.80173	0.77674	0.70485	0.78757	7.366
27 4-Chloroaniline	0.43361	0.39063	0.41192	0.39425	0.38455	0.40299	4.942
28 Hexachlorobutadiene	0.19085	0.15678	0.16662	0.15251	0.14289	0.16193	11.286
29 4-Chloro-3-methylphenol	0.31735	0.30081	0.31452	0.30512	0.29501	0.30656	3.044
30 2-Methylnaphthalene	0.57379	0.50604	0.52421	0.50667	0.49266	0.52067	6.096
31 1-Methylnaphthalene	1.61886	1.43569	1.46891	1.47906	1.43952	1.48841	5.056
32 Hexachlorocyclopentadiene	0.27181	0.30511	0.34244	0.34749	0.33519	0.32041	9.910

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-94 15:32
End Cal Date : 12-NOV-94 18:13
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Cal Date : 18-Nov-1994 10:01 tom

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
33 2,4,6-Trichlorophenol	0.37967	0.36724	0.37842	0.37255	0.37203	0.37398	1.360
34 2,4,5-Trichlorophenol	0.39588	0.39461	0.40554	0.39497	0.39511	0.39722	1.176
36 2-Chloronaphthalene	0.97321	0.90065	0.90808	0.86863	0.85687	0.90149	5.041
37 2-Nitroaniline	0.31356	0.30487	0.32509	0.32645	0.33002	0.32000	3.271
38 Dimethylphthalate	1.37126	1.25957	1.30071	1.26202	1.25300	1.28931	3.838
39 2,6-Dinitrotoluene	0.33686	0.31647	0.31805	0.30369	0.27874	0.31076	6.906
[illegible]0 Acenaphthylene	1.53963	1.41233	1.40802	1.33519	1.23517	1.38607	8.075
[illegible]41 3-Nitroaniline	0.35761	0.33476	0.36538	0.36749	0.36782	0.35861	3.892
44 Acenaphthene	0.93454	0.86509	0.88579	0.84941	0.80977	0.86892	5.300
43 2,4-Dinitrophenol	+++++	0.16695	0.20798	0.22576	0.23942	0.21003	14.984
45 4-Nitrophenol	0.21295	0.21436	0.23257	0.23508	0.23693	0.22638	5.181
47 Dibenzofuran	1.37321	1.25161	1.29323	1.28700	1.25801	1.29261	3.752
46 2,4-Dinitrotoluene	0.48606	0.45883	0.49212	0.50464	0.50484	0.48930	3.856
48 Diethylphthalate	1.47026	1.40680	1.47734	1.41834	1.37785	1.43012	2.978
49 4-Chlorophenyl-phenylether	0.57636	0.51308	0.49261	0.44760	0.40215	0.48636	13.579
50 Fluorene	1.04980	0.95511	0.94645	0.88624	0.81754	0.93103	9.272
51 4-Nitroaniline	0.36543	0.34422	0.37665	0.38832	0.40028	0.37498	5.748
52 4,6-Dinitro-2-methylphenol	0.14193	0.15640	0.17513	0.18083	0.16636	0.16413	9.427
53 N-Nitrosodiphenylamine	0.45018	0.42296	0.42967	0.43017	0.38873	0.42434	5.270
55 4-Bromophenyl-phenylether	0.23358	0.21211	0.21344	0.20743	0.18849	0.21101	7.629
56 Hexachlorobenzene	0.31038	0.28563	0.28777	0.27665	0.25749	0.28358	6.757
57 Pentachlorophenol	0.09976	0.12092	0.13381	0.14174	0.13004	0.12525	12.852
60 Phenanthrene	0.96829	0.88147	0.89081	0.85226	0.78699	0.87596	7.498
61 Anthracene	0.95829	0.88848	0.88852	0.84434	0.77005	0.86994	7.949
62 Carbazole	0.89892	0.82649	0.84897	0.82090	0.76961	0.83298	5.633
63 Di-n-butylphthalate	1.58940	1.45616	1.44969	1.26605	1.04798	1.36186	15.406
64 Fluoranthene	1.10136	0.98312	0.99298	0.94237	0.86649	0.97727	8.738
65 Benzidine	0.57574	0.31386	0.26411	+++++	+++++	0.38457	43.533
66 Pyrene	1.28156	1.06454	1.23910	1.22459	1.15664	1.19329	7.110
68 Butylbenzylphthalate	0.88680	0.74359	0.85434	0.83441	0.80933	0.82569	6.533
71 3,3'-Dichlorobenzidine	0.43381	0.37172	0.41971	0.39284	0.34851	0.39332	8.817
[illegible] Benzo(a)anthracene	0.96154	0.76810	0.90200	0.89423	0.81072	0.86732	8.903
[illegible]74 Chrysene	0.84636	0.65263	0.75165	0.68572	0.58647	0.70457	14.073
70 bis(2-Ethylhexyl)phthalate	1.15736	0.94002	1.00272	0.92529	0.79467	0.96401	13.686

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 12-NOV-94 15:32
End Cal Date : 12-NOV-94 18:13
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b1112a94.b/bnaclpa.m
Cal Date : 18-Nov-1994 10:01 tom

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2
75 Di-n-octylphthalate	2.11059	2.15496	2.33836	2.15969	1.85688	2.12410	8.145
76 Benzo(b)fluoranthene	1.01571	1.13149	0.98400	1.24004	1.27934	1.13011	11.604
77 Benzo(k)fluoranthene	1.10871	0.87369	1.04198	0.88955	0.78885	0.94056	13.928
78 Benzo(a)pyrene	0.86343	0.85528	0.91446	0.91441	0.86478	0.88247	3.332
81 Indeno(1,2,3-cd)pyrene	0.87724	0.80646	0.86076	0.81735	0.70603	0.81357	8.225
80 Dibenzo(a,h)anthracene	0.75514	0.72844	0.72915	0.75477	0.67649	0.72880	4.396
[illegible] Benzo(g,h,i)perylene	0.62723	0.59232	0.68752	0.64187	0.55661	0.62111	7.997
$ 3 2-Fluorophenol	0.95555	0.90831	0.96279	1.01795	1.00962	0.97084	4.587
$ 4 Phenol-d5	1.17822	1.08361	1.15011	1.15626	1.16873	1.14739	3.249
$ 88 2-Chlorobenzene-D4	1.07236	0.98229	1.02150	1.03849	1.00759	1.02445	3.297
$ 87 1,2-Dichlorobenzene-D4	0.76309	0.68799	0.70269	0.68516	0.66496	0.70078	5.328
$ 17 Nitrobenzene-d5	0.33318	0.30563	0.33022	0.32264	0.31734	0.32180	3.413
$ 35 2-Fluorobiphenyl	1.02782	0.95284	0.96342	0.92947	0.89245	0.95320	5.226
$ 54 2,4,6-Tribromophenol	0.20529	0.21346	0.23250	0.22799	0.20991	0.21783	5.419
$ 67 Terphenyl-d14	0.79686	0.64281	0.75602	0.74050	0.70146	0.72753	8.027

Data File: /chem/aux/msb.i/b111794.b/b4972.d
Report Date: 18-Nov-1994 10:08

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b4972.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-NOV-94 15:25
Init. Calibration Date(s): 11/12/94 11/12/94
Init. Calibration Times: 15:32 18:13
Method File: /chem/aux/msb.i/b111794.b/bnaclpa.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	2 Pyridine	0.842	1.161	0.010	37.9	100.0
	1 N-Nitrosodimethylamine	0.513	0.605	0.010	18.1	100.0
S	3 2-Fluorophenol	0.971	1.024	0.600	5.5	25.0
S	4 Phenol-d5	1.147	1.273	0.800	10.9	25.0
	5 Phenol	1.144	1.289	0.800	12.7	25.0
	6 bis(2-Chloroethyl)ether	1.022	1.121	0.700	9.7	25.0
	7 2-Chlorophenol	1.070	1.121	0.800	4.7	25.0
S	88 2-Chlorobenzene-D4	1.024	1.105	0.700	7.8	25.0
	8 1,3-Dichlorobenzene	1.157	1.205	0.600	4.2	25.0
	10 1,4-Dichlorobenzene	1.157	1.237	0.500	6.9	25.0
	11 1,2-Dichlorobenzene	1.063	1.159	0.400	9.0	25.0
S	87 1,2-Dichlorobenzene-D4	0.701	0.756	0.700	7.8	25.0
	12 2-Methylphenol	0.810	0.968	0.700	19.5	25.0
	13 2,2'-oxybis(1-Chloropropene)	0.976	1.140	0.010	16.9	100.0
	14 4-Methylphenol	0.873	1.055	0.600	20.9	25.0
	15 N-Nitroso-di-n-propylamine	0.726	0.756	0.500	4.2	25.0
	16 Hexachloroethane	0.561	0.547	0.300	2.5	25.0
S	17 Nitrobenzene-d5	0.322	0.322	0.200	0.1	25.0
	18 Nitrobenzene	0.319	0.327	0.200	2.5	25.0
	19 Isophorone	0.650	0.697	0.400	7.2	25.0
	21 2-Nitrophenol	0.215	0.220	0.100	2.4	25.0
	20 2,4-Dimethylphenol	0.314	0.316	0.200	0.8	25.0
	22 bis(2-Chloroethoxy)methane	0.391	0.413	0.300	5.8	25.0
	23 2,4-Dichlorophenol	0.292	0.292	0.200	0.1	25.0
	24 1,2,4-Trichlorobenzene	0.312	0.322	0.200	3.3	25.0
	26 Naphthalene	0.788	0.866	0.700	10.0	25.0
	27 4-Chloroaniline	0.403	0.420	0.010	4.1	100.0
	28 Hexachlorobutadiene	0.162	0.143	0.010	11.9	100.0
	29 4-Chloro-3-methylphenol	0.307	0.292	0.200	4.9	25.0
	30 2-Methylnaphthalene	0.521	0.505	0.400	3.0	25.0
	31 1-Methylnaphthalene	1.488	1.584	0.010	6.4	100.0
	32 Hexachlorocyclopentadiene	0.320	0.262	0.010	18.2	100.0
	33 2,4,6-Trichlorophenol	0.374	0.391	0.200	4.7	25.0
	34 2,4,5-Trichlorophenol	0.397	0.435	0.200	9.4	25.0
S	35 2-Fluorobiphenyl	0.953	1.024	0.700	7.5	25.0
	36 2-Chloronaphthalene	0.901	0.967	0.800	7.3	25.0
	37 2-Nitroaniline	0.320	0.302	0.010	5.7	100.0
	38 Dimethylphthalate	1.289	1.272	0.010	1.4	100.0
	39 2,6-Dinitrotoluene	0.311	0.327	0.200	5.2	25.0
	40 Acenaphthylene	1.386	1.450	1.300	4.6	25.0

Data File: /chem/aux/msb.i/b111794.b/b4972.d
Report Date: 18-Nov-1994 10:08

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b4972.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 17-NOV-94 15:25
Init. Calibration Date(s): 11/12/94 11/12/94
Init. Calibration Times: 15:32 18:13
Method File: /chem/aux/msb.i/b111794.b/bnaclpa.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 3-Nitroaniline	0.359	0.366	0.010	1.9	100.0	
	44 Acenaphthene	0.869	0.937	0.800	7.8	25.0	
	43 2,4-Dinitrophenol	0.210	0.187	0.010	11.0	100.0	
	45 4-Nitrophenol	0.226	0.158	0.010	30.1	100.0	
	47 Dibenzofuran	1.293	1.379	0.800	6.7	25.0	
	46 2,4-Dinitrotoluene	0.489	0.476	0.200	2.8	25.0	
	48 Diethylphthalate	1.430	1.424	0.010	0.4	100.0	
	49 4-Chlorophenyl-phenylether	0.486	0.529	0.400	8.8	25.0	
	50 Fluorene	0.931	1.028	0.900	10.4	25.0	
	51 4-Nitroaniline	0.375	0.377	0.010	0.5	100.0	
	52 4,6-Dinitro-2-methylphenol	0.164	0.158	0.010	3.8	100.0	
	53 N-Nitrosodiphenylamine	0.424	0.467	0.010	10.0	100.0	
S	54 2,4,6-Tribromophenol	0.218	0.158	0.010	27.5	100.0	
	55 4-Bromophenyl-phenylether	0.211	0.214	0.100	1.4	25.0	
	56 Hexachlorobenzene	0.284	0.271	0.100	4.3	25.0	
	57 Pentachlorophenol	0.125	0.076	0.050	39.1	25.0	<-
	60 Phenanthrene	0.876	0.972	0.700	10.9	25.0	
	61 Anthracene	0.870	0.946	0.700	8.7	25.0	
	62 Carbazole	0.833	0.935	0.010	12.3	100.0	
	63 Di-n-butylphthalate	1.362	1.586	0.010	16.4	100.0	
	64 Fluoranthene	0.977	1.061	0.600	8.6	25.0	
	65 Benzidine	0.385	0.380	0.010	1.1	100.0	
	66 Pyrene	1.193	1.337	0.600	12.1	25.0	
S	67 Terphenyl-d14	0.728	0.838	0.500	15.2	25.0	
	68 Butylbenzylphthalate	0.826	0.934	0.010	13.1	100.0	
	71 3,3'-Dichlorobenzidine	0.393	0.437	0.010	11.2	100.0	
	72 Benzo(a)anthracene	0.867	0.946	0.800	9.1	25.0	
	74 Chrysene	0.705	0.808	0.700	14.7	25.0	
	70 bis(2-Ethylhexyl)phthalate	0.964	1.160	0.010	20.3	100.0	
	75 Di-n-octylphthalate	2.124	2.487	0.010	17.1	100.0	
	76 Benzo(b)fluoranthene	1.130	1.165	0.700	3.1	25.0	
	77 Benzo(k)fluoranthene	0.941	1.274	0.700	35.5	25.0	<-
	78 Benzo(a)pyrene	0.882	1.022	0.700	15.8	25.0	
	81 Indeno(1,2,3-cd)pyrene	0.814	0.991	0.500	21.8	25.0	
	80 Dibenzo(a,h)anthracene	0.729	0.830	0.400	13.9	25.0	
	82 Benzo(g,h,i)perylene	0.621	0.752	0.500	21.0	25.0	

Data File: /chem/aux/msb.i/b111894.b/b4987.d
Report Date: 18-Nov-1994 12:47

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b4987.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 12:07
Init. Calibration Date(s): 11/12/94 11/12/94
Init. Calibration Times: 15:32 18:13
Method File: /chem/aux/msb.i/b111894.b/bnaclpa.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Pyridine	0.842	0.939	0.010	11.5	100.0	
	2 N-Nitrosodimethylamine	0.513	0.527	0.010	2.7	100.0	
S	3 2-Fluorophenol	0.971	1.039	0.600	7.1	25.0	
S	4 Phenol-d5	1.147	1.313	0.800	14.4	25.0	
	5 Phenol	1.144	1.385	0.800	21.1	25.0	
	6 bis(2-Chloroethyl)ether	1.022	1.297	0.700	26.9	25.0	<-
S	7 2-Chlorobenzene-D4	1.024	1.113	0.700	8.7	25.0	
	8 2-Chlorophenol	1.070	1.159	0.800	8.3	25.0	
	9 1,3-Dichlorobenzene	1.157	1.218	0.600	5.3	25.0	
	11 1,4-Dichlorobenzene	1.157	1.225	0.500	5.9	25.0	
S	12 1,2-Dichlorobenzene-D4	0.701	0.754	0.700	7.6	25.0	
	13 1,2-Dichlorobenzene	1.063	1.171	0.400	10.1	25.0	
	14 2-Methylphenol	0.810	1.065	0.700	31.5	25.0	<-
	15 2,2'-oxybis(1-Chloropropene)	0.976	1.577	0.010	61.7	100.0	
	16 4-Methylphenol	0.873	1.132	0.600	29.7	25.0	<-
	17 N-Nitroso-di-n-propylamine	0.726	0.900	0.500	24.0	25.0	
	18 Hexachloroethane	0.561	0.590	0.300	5.2	25.0	
S	19 Nitrobenzene-d5	0.322	0.330	0.200	2.6	25.0	
	20 Nitrobenzene	0.319	0.355	0.200	11.3	25.0	
	21 Isophorone	0.650	0.761	0.400	16.9	25.0	
	22 2-Nitrophenol	0.215	0.221	0.100	3.0	25.0	
	23 2,4-Dimethylphenol	0.314	0.311	0.200	0.9	25.0	
	24 bis(2-Chloroethoxy)methane	0.391	0.468	0.300	19.8	25.0	
	25 2,4-Dichlorophenol	0.292	0.287	0.200	1.6	25.0	
	26 1,2,4-Trichlorobenzene	0.312	0.318	0.200	2.0	25.0	
	28 Naphthalene	0.788	0.831	0.700	5.6	25.0	
	29 4-Chloroaniline	0.403	0.410	0.010	1.8	100.0	
	30 Hexachlorobutadiene	0.162	0.142	0.010	12.0	100.0	
	31 4-Chloro-3-methylphenol	0.307	0.309	0.200	0.7	25.0	
	32 2-Methylnaphthalene	0.521	0.547	0.400	5.0	25.0	
	33 1-Methylnaphthalene	1.488	1.825	0.010	22.6	100.0	
	34 Hexachlorocyclopentadiene	0.320	0.267	0.010	16.8	100.0	
	35 2,4,6-Trichlorophenol	0.374	0.386	0.200	3.1	25.0	
	36 2,4,5-Trichlorophenol	0.397	0.423	0.200	6.6	25.0	
S	37 2-Fluorobiphenyl	0.953	1.045	0.700	9.6	25.0	
	38 2-Chloronaphthalene	0.901	0.996	0.800	10.5	25.0	
	39 2-Nitroaniline	0.320	0.356	0.010	11.3	100.0	
	40 Dimethylphthalate	1.289	1.336	0.010	3.6	100.0	
	41 2,6-Dinitrotoluene	0.311	0.330	0.200	6.3	25.0	
	42 Acenaphthylene	1.386	1.449	1.300	4.6	25.0	

Data File: /chem/aux/msb.i/b111894.b/b4987.d
Report Date: 18-Nov-1994 12:47

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b4987.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 18-NOV-94 12:07
Init. Calibration Date(s): 11/12/94 11/12/94
Init. Calibration Times: 15:32 18:13
Method File: /chem/aux/msb.i/b111894.b/bnaclpa.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	43 3-Nitroaniline	0.359	0.399	0.010	11.3	100.0	
	45 Acenaphthene	0.869	0.986	0.800	13.5	25.0	
	46 2,4-Dinitrophenol	0.210	0.181	0.010	13.6	100.0	
	47 4-Nitrophenol	0.226	0.155	0.010	31.4	100.0	
	48 Dibenzofuran	1.293	1.397	0.800	8.0	25.0	
	49 2,4-Dinitrotoluene	0.489	0.514	0.200	5.0	25.0	
	50 Diethylphthalate	1.430	1.493	0.010	4.4	100.0	
	51 4-Chlorophenyl-phenylether	0.486	0.529	0.400	8.7	25.0	
	52 Fluorene	0.931	1.070	0.900	14.9	25.0	
	53 4-Nitroaniline	0.375	0.430	0.010	14.5	100.0	
	54 4,6-Dinitro-2-methylphenol	0.164	0.153	0.010	6.5	100.0	
	55 N-Nitrosodiphenylamine	0.424	0.453	0.010	6.7	100.0	
S	56 2,4,6-Tribromophenol	0.218	0.191	0.010	12.2	100.0	
	57 4-Bromophenyl-phenylether	0.211	0.197	0.100	6.9	25.0	
	58 Hexachlorobenzene	0.284	0.261	0.100	7.8	25.0	
	59 Pentachlorophenol	0.125	0.094	0.050	25.0	25.0	<-
	61 Phenanthrene	0.876	0.965	0.700	10.1	25.0	
	62 Anthracene	0.870	0.952	0.700	9.5	25.0	
	63 Carbazole	0.833	0.943	0.010	13.3	100.0	
	64 Di-n-butylphthalate	1.362	1.511	0.010	10.9	100.0	
	65 Fluoranthene	0.977	1.063	0.600	8.7	25.0	
	66 Benzidine	0.385	0.315	0.010	18.1	100.0	
	67 Pyrene	1.193	1.330	0.600	11.5	25.0	
S	68 Terphenyl-d14	0.728	0.844	0.500	16.0	25.0	
	69 Butylbenzylphthalate	0.826	0.931	0.010	12.7	100.0	
	70 Benzo(a)anthracene	0.867	0.890	0.800	2.6	25.0	
	72 3,3'-Dichlorobenzidine	0.393	0.405	0.010	3.1	100.0	
	73 Chrysene	0.705	0.837	0.700	18.8	25.0	
	74 bis(2-Ethylhexyl)phthalate	0.964	1.249	0.010	29.6	100.0	
	75 Di-n-octylphthalate	2.124	2.351	0.010	10.7	100.0	
	76 Benzo(b)fluoranthene	1.130	1.106	0.700	2.1	25.0	
	77 Benzo(k)fluoranthene	0.941	1.133	0.700	20.5	25.0	
	78 Benzo(a)pyrene	0.882	0.974	0.700	10.4	25.0	
	80 Indeno(1,2,3-cd)pyrene	0.814	0.892	0.500	9.7	25.0	
	81 Dibenzo(a,h)anthracene	0.729	0.743	0.400	1.9	25.0	
	82 Benzo(g,h,i)perylene	0.621	0.657	0.500	5.8	25.0	

Report Date : 29-Nov-1994 07:52

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-94 11:01
End Cal Date : 28-NOV-94 13:20
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/mse.i/e112894.b/bnaclpe.m
Cal Date : 29-Nov-1994 07:46

Calibration File Names:
Level 1: /chem/aux/mse.i/e112894.b/e2994.d
Level 2: /chem/aux/mse.i/e112894.b/e2995.d
Level 3: /chem/aux/mse.i/e112894.b/e2996.d
Level 4: /chem/aux/mse.i/e112894.b/e2997.d
Level 5: /chem/aux/mse.i/e112894.b/e2998.d

	Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2	
1	Pyridine	1.04946	0.83730	0.73826	0.85486	0.78831	0.85364	13.885	
2	N-Nitrosodimethylamine	0.45508	0.40644	0.34139	0.38517	0.40008	0.39763	10.294	
5	Phenol	1.33462	1.07474	0.90423	1.03160	1.18570	1.10618	14.705	
6	bis(2-Chloroethyl)ether	1.07536	0.91269	0.79543	0.75544	0.76674	0.86113	15.682	
8	2-Chlorophenol	1.22351	1.05782	0.94046	1.01209	1.05918	1.05861	9.830	
11	1,3-Dichlorobenzene	1.30381	1.19233	1.06126	1.12781	1.11540	1.16012	8.005	
12	1,4-Dichlorobenzene	1.36638	1.22634	1.10242	1.23657	1.25025	1.23639	7.581	
13	1,2-Dichlorobenzene	1.22795	1.12237	1.05295	1.36065	1.46070	1.24492	13.448	
14	2,2'-oxybis(1-Chloropropene)	0.93289	0.72860	0.62706	0.68713	0.77870	0.75088	15.444	
15	N-Nitroso-di-n-propylamine	0.73974	0.60649	0.57014	0.84709	0.94841	0.74237	21.463	<-
16	2-Methylphenol	1.00703	0.80672	0.71820	0.84313	0.99041	0.87310	14.144	
17	4-Methylphenol	1.06758	0.81978	0.80177	1.33131	1.49155	1.10240	27.786	<-
18	Hexachloroethane	0.58877	0.52185	0.46944	0.63677	0.68621	0.58061	14.962	
20	Nitrobenzene	0.32176	0.27616	0.22861	0.25814	0.27014	0.27096	12.469	
21	Isophorone	0.62160	0.52081	0.45866	0.48388	0.47771	0.51253	12.682	
22	2-Nitrophenol	0.20611	0.18963	0.16161	0.17301	0.17101	0.18027	9.775	
23	2,4-Dimethylphenol	0.34919	0.29349	0.26134	0.29815	0.31851	0.30414	10.677	
24	bis(2-Chloroethoxy)methane	0.36796	0.30405	0.26093	0.28141	0.29561	0.30199	13.354	
25	2,4-Dichlorophenol	0.28867	0.27698	0.26011	0.30443	0.32455	0.29095	8.527	
26	1,2,4-Trichlorobenzene	0.29406	0.29276	0.27173	0.32398	0.34793	0.30609	9.765	
28	Naphthalene	0.89032	0.78702	0.72115	0.90676	0.99745	0.86054	12.543	
29	4-Chloroaniline	0.40532	0.35194	0.31743	0.35012	0.36532	0.35803	8.874	
30	Hexachlorobutadiene	0.19667	0.20409	0.19448	0.23176	0.23748	0.21290	9.512	
[illegible]	4-Chloro-3-methylphenol	0.29925	0.26412	0.23180	0.26304	0.29698	0.27104	10.305	
[illegible]	2-Methylnaphthalene	0.61443	0.57282	0.53033	0.65236	0.71011	0.61601	11.301	
33	1-Methylnaphthalene	0.54273	0.49074	0.44756	0.54693	0.59437	0.52447	10.776	
34	Hexachlorocyclopentadiene	*****	0.06229	0.07402	0.13164	0.15827	0.10656	43.082	

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-94 11:01
End Cal Date : 28-NOV-94 13:20
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/mse.i/e112894.b/bnaclpe.m
Cal Date : 29-Nov-1994 07:46

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
35 2,4,6-Trichlorophenol	0.26026	0.27397	0.25259	0.31423	0.32809	0.28583	11.724
36 2,4,5-Trichlorophenol	0.26824	0.30373	0.27966	0.36211	0.38321	0.31939	15.917
38 2-Chloronaphthalene	0.82016	0.82085	0.73750	0.89871	0.95500	0.84644	9.837
39 2-Nitroaniline	0.24895	0.22789	0.20199	0.22739	0.23511	0.22827	7.480
40 Dimethylphthalate	1.13863	1.09757	0.98957	1.15783	1.20370	1.11746	7.252
41 Acenaphthylene	1.38837	1.29160	1.16771	1.42654	1.50551	1.35595	9.614
42 2,6-Dinitrotoluene	0.26155	0.24584	0.21709	0.24712	0.25548	0.24542	6.961
43 3-Nitroaniline	0.27866	0.26810	0.22908	0.25199	0.28171	0.26191	8.294
45 Acenaphthene	0.81824	0.80297	0.73934	0.93398	1.00343	0.85959	12.421
46 2,4-Dinitrophenol	0.06564	0.09656	0.09088	0.11366	0.12187	0.09772	22.387
47 Dibenzofuran	1.20554	1.19438	1.09509	1.34274	1.38968	1.24549	9.591
48 4-Nitrophenol	0.11174	0.12995	0.12487	0.15059	0.16257	0.13594	15.022
49 2,4-Dinitrotoluene	0.34721	0.34064	0.30238	0.33915	0.35016	0.33591	5.741
50 Diethylphthalate	1.29054	1.17881	1.05221	1.26366	1.34400	1.22585	9.296
51 4-Chlorophenyl-phenylether	0.47556	0.56532	0.53757	0.59291	0.56261	0.54679	8.117
52 Fluorene	0.95352	1.05776	0.99862	1.16734	1.15415	1.06628	8.810
53 4-Nitroaniline	0.26566	0.24701	0.21178	0.22391	0.21380	0.23243	10.005
54 4,6-Dinitro-2-methylphenol	0.10090	0.11943	0.12292	0.15959	0.16627	0.13382	20.892
55 N-Nitrosodiphenylamine	0.42699	0.43519	0.41720	0.50516	0.52149	0.46121	10.483
57 4-Bromophenyl-phenylether	0.16495	0.18489	0.17924	0.21438	0.22045	0.19278	12.310
58 Hexachlorobenzene	0.19758	0.22673	0.21778	0.25465	0.25307	0.22996	10.541
59 Pentachlorophenol	*****	0.04504	0.04708	0.06445	0.08030	0.05922	27.919 <-
61 Phenanthrene	0.86596	0.90417	0.87331	1.03072	1.07095	0.94902	10.022
62 Anthracene	0.87810	0.91195	0.87434	1.04518	1.06992	0.95590	9.870
63 Carbazole	0.81773	0.75909	0.70487	0.79265	0.83221	0.78131	6.521
64 Di-n-butylphthalate	1.45548	1.34132	1.23255	1.44493	1.50707	1.39627	7.843
65 Fluoranthene	0.90112	0.98029	0.95755	1.12530	1.15143	1.02314	10.698
66 Benzidine	0.31383	0.20097	0.17230	0.18259	0.12163	0.19826	35.804
67 Pyrene	0.84806	0.86575	0.78951	0.91217	0.94589	0.87228	6.900
69 Butylbenzylphthalate	0.61420	0.51902	0.45391	0.51692	0.54762	0.53033	10.946
70 3,3'-Dichlorobenzidine	0.37051	0.36279	0.32089	0.32684	0.31771	0.33975	7.337
71 Benzo(a)anthracene	0.88860	0.92307	0.83297	0.84839	0.83559	0.86572	4.508
73 Chrysene	0.71160	0.77446	0.71083	0.81897	0.83282	0.76974	7.484
74 bis(2-Ethylhexyl)phthalate	0.85407	0.75664	0.67902	0.82633	0.86518	0.79625	9.791

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-94 11:01
End Cal Date : 28-NOV-94 13:20
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/mse.i/e112894.b/bnaclpe.m
Cal Date : 29-Nov-1994 07:46

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
75 Di-n-octylphthalate	1.49506	1.40027	1.29594	1.60188	1.62219	1.48307	9.263
76 Benzo(b)fluoranthene	0.76527	0.96689	0.82831	1.14956	1.22032	0.98607	20.002
77 Benzo(k)fluoranthene	0.84320	0.91442	0.94921	0.96462	0.81005	0.89630	7.495
78 Benzo(a)pyrene	0.68240	0.79939	0.75085	0.88708	0.86822	0.79759	10.575
80 Dibenzo(a,h)anthracene	0.70515	0.84630	0.76657	0.83298	0.79449	0.78910	7.164
81 Indeno(1,2,3-cd)pyrene	0.84274	0.98571	0.88783	0.98490	0.95854	0.93194	6.851
82 Benzo(g,h,i)perylene	0.57138	0.66420	0.62308	0.71913	0.71556	0.65867	9.545
$ 3 2-Fluorophenol	1.08481	1.02633	0.90532	0.90736	0.84173	0.95311	10.425
$ 4 Phenol-d5	1.30805	1.06663	0.90354	1.00073	1.08468	1.07272	13.934
$ 7 2-Chlorophenol-D4	1.21284	1.06796	0.93904	0.99157	1.02248	1.04678	9.936
$ 10 1,2-Dichlorobenzene-D4	0.77953	0.73554	0.68933	0.85674	0.87716	0.78766	10.084
$ 19 Nitrobenzene-d5	0.33471	0.30116	0.25691	0.27130	0.27390	0.28760	10.716
$ 37 2-Fluorobiphenyl	0.94446	0.97829	0.91051	1.13149	1.17932	1.02882	11.589
$ 56 2,4,6-Tribromophenol	0.12832	0.16055	0.15602	0.20443	0.22097	0.17406	21.733
$ 68 Terphenyl-d14	0.53656	0.58026	0.54479	0.61262	0.61291	0.57743	6.269

Data File: /chem/aux/mse.i/e112994.b/e3002.d
Report Date: 29-Nov-1994 08:49

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e3002.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 29-NOV-94 08:17
Init. Calibration Date(s): 11/28/94 11/28/94
Init. Calibration Times: 11:01 13:20
Method File: /chem/aux/mse.i/e112994.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Pyridine	0.854	0.790	0.010	7.4	100.0	
	2 N-Nitrosodimethylamine	0.398	0.394	0.010	0.8	100.0	
S	3 2-Fluorophenol	0.953	0.998	0.600	4.7	25.0	
S	4 Phenol-d5	1.073	1.124	0.800	4.8	25.0	
	5 Phenol	1.106	1.124	0.800	1.6	25.0	
	6 bis(2-Chloroethyl)ether	0.861	0.921	0.700	6.9	25.0	
S	7 2-Chlorophenol-D4	1.047	1.101	0.700	5.2	25.0	
	8 2-Chlorophenol	1.059	1.092	0.800	3.1	25.0	
S	10 1,2-Dichlorobenzene-D4	0.788	0.785	0.700	0.3	25.0	
	11 1,3-Dichlorobenzene	1.160	1.232	0.600	6.2	25.0	
	12 1,4-Dichlorobenzene	1.236	1.278	0.500	3.4	25.0	
	13 1,2-Dichlorobenzene	1.245	1.191	0.400	4.4	25.0	
	14 2,2'-oxybis(1-Chloropropene)	0.751	0.769	0.010	2.5	100.0	
	15 N-Nitroso-di-n-propylamine	0.742	0.608	0.500	18.1	25.0	
	16 2-Methylphenol	0.873	0.898	0.700	2.8	25.0	
	17 4-Methylphenol	1.102	0.937	0.600	15.0	25.0	
	18 Hexachloroethane	0.581	0.566	0.300	2.5	25.0	
S	19 Nitrobenzene-d5	0.288	0.305	0.200	6.1	25.0	
	20 Nitrobenzene	0.271	0.288	0.200	6.2	25.0	
	21 Isophorone	0.513	0.547	0.400	6.7	25.0	
	22 2-Nitrophenol	0.180	0.194	0.100	7.5	25.0	
	23 2,4-Dimethylphenol	0.304	0.303	0.200	0.4	25.0	
	24 bis(2-Chloroethoxy)methane	0.302	0.316	0.300	4.5	25.0	
	25 2,4-Dichlorophenol	0.291	0.279	0.200	4.0	25.0	
	26 1,2,4-Trichlorobenzene	0.306	0.303	0.200	0.8	25.0	
	27 Naphthalene	0.861	0.813	0.700	5.6	25.0	
	28 4-Chloroaniline	0.358	0.353	0.010	1.4	100.0	
	29 Hexachlorobutadiene	0.213	0.221	0.010	3.6	100.0	
	30 4-Chloro-3-methylphenol	0.271	0.272	0.200	0.3	25.0	
	31 2-Methylnaphthalene	0.616	0.553	0.400	10.2	25.0	
	32 1-Methylnapthalene	0.524	0.510	0.400	2.8	25.0	
	33 Hexachlorocyclopentadiene	0.107	0.055	0.010	48.5	100.0	
	34 2,4,6-Trichlorophenol	0.286	0.262	0.200	8.2	25.0	
	35 2,4,5-Trichlorophenol	0.319	0.304	0.200	5.0	25.0	
S	36 2-Fluorobiphenyl	1.029	1.019	0.700	0.9	25.0	
	37 2-Chloronaphthalene	0.846	0.818	0.800	3.4	25.0	
	38 2-Nitroaniline	0.228	0.236	0.010	3.3	100.0	
	39 Dimethylphthalate	1.117	1.067	0.010	4.5	100.0	
	40 Acenaphthylene	1.356	1.253	1.300	7.6	25.0	<-
	41 2,6-Dinitrotoluene	0.245	0.248	0.200	1.2	25.0	

Data File: /chem/aux/mse.i/e112994.b/e3002.d
Report Date: 29-Nov-1994 08:49

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e3002.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 29-NOV-94 08:17
Init. Calibration Date(s): 11/28/94 11/28/94
Init. Calibration Times: 11:01 13:20
Method File: /chem/aux/mse.i/e112994.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	43 3-Nitroaniline	0.262	0.259	0.010	1.1	100.0	
	45 Acenaphthene	0.860	0.834	0.800	2.9	25.0	
	46 2,4-Dinitrophenol	0.098	0.090	0.010	8.0	100.0	
	47 Dibenzofuran	1.245	1.196	0.800	4.0	25.0	
	48 4-Nitrophenol	0.136	0.134	0.010	1.4	100.0	
	49 2,4-Dinitrotoluene	0.336	0.343	0.200	2.1	25.0	
	50 Diethylphthalate	1.226	1.197	0.010	2.4	100.0	
	51 4-Chlorophenyl-phenylether	0.547	0.569	0.400	4.0	25.0	
	52 Fluorene	1.066	1.048	0.900	1.7	25.0	
	53 4-Nitroaniline	0.232	0.244	0.010	4.8	100.0	
	54 4,6-Dinitro-2-methylphenol	0.134	0.120	0.010	10.6	100.0	
	55 N-Nitrosodiphenylamine	0.461	0.424	0.010	8.1	100.0	
S	56 2,4,6-Tribromophenol	0.174	0.164	0.010	5.9	100.0	
	57 4-Bromophenyl-phenylether	0.193	0.182	0.100	5.5	25.0	
	58 Hexachlorobenzene	0.230	0.232	0.100	1.0	25.0	
	59 Pentachlorophenol	0.059	0.044	0.050	25.5	25.0	<-
	61 Phenanthrene	0.949	0.915	0.700	3.5	25.0	
	62 Anthracene	0.956	0.871	0.700	8.9	25.0	
	63 Carbazole	0.781	0.742	0.010	5.0	100.0	
	64 Di-n-butylphthalate	1.396	1.805	0.010	29.3	100.0	
	65 Fluoranthene	1.023	0.991	0.600	3.1	25.0	
	66 Benzidine	0.198	0.243	0.010	22.5	100.0	
	67 Pyrene	0.872	0.868	0.600	0.5	25.0	
S	68 Terphenyl-d14	0.577	0.648	0.500	12.2	25.0	
	69 Butylbenzylphthalate	0.530	0.534	0.010	0.8	100.0	
	70 3,3'-Dichlorobenzidine	0.340	0.389	0.010	14.5	100.0	
	71 Benzo(a)anthracene	0.866	0.967	0.800	11.7	25.0	
	73 Chrysene	0.770	0.756	0.700	1.8	25.0	
	74 Bis(2-Ethylhexyl)phthalate	0.796	0.758	0.010	4.8	100.0	
	75 Di-n-octylphthalate	1.483	1.369	0.010	7.7	100.0	
	76 Benzo(b)fluoranthene	0.986	0.926	0.700	6.1	25.0	
	77 Benzo(k)fluoranthene	0.896	1.020	0.700	13.8	25.0	
	78 Benzo(a)pyrene	0.798	0.808	0.700	1.3	25.0	
	79 Dibenzo(a,h)anthracene	0.789	0.844	0.400	7.0	25.0	
	81 Indeno(1,2,3-cd)pyrene	0.932	1.023	0.500	9.8	25.0	
	82 Benzo(g,h,i)perylene	0.659	0.659	0.500	0.1	25.0	

Data File: /chem/aux/mse.i/e113094.b/e3023.d
Report Date: 30-Nov-1994 08:54

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e3023.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 30-NOV-94 08:02
Init. Calibration Date(s): 11/28/94 11/28/94
Init. Calibration Times: 11:01 13:20
Method File: /chem/aux/mse.i/e113094.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Pyridine	0.854	0.959	0.010	12.3	100.0	
	2 N-Nitrosodimethylamine	0.398	0.398	0.010	0.0	100.0	
S	3 2-Fluorophenol	0.953	1.044	0.600	9.5	25.0	
S	4 Phenol-d5	1.073	1.109	0.800	3.4	25.0	
	5 Phenol	1.106	1.100	0.800	0.6	25.0	
	6 bis(2-Chloroethyl)ether	0.861	0.947	0.700	10.0	25.0	
S	7 2-Chlorophenol-D4	1.047	1.107	0.700	5.8	25.0	
	8 2-Chlorophenol	1.059	1.068	0.800	0.9	25.0	
S	10 1,2-Dichlorobenzene-D4	0.788	0.774	0.700	1.8	25.0	
	11 1,3-Dichlorobenzene	1.160	1.216	0.600	4.8	25.0	
	12 1,4-Dichlorobenzene	1.236	1.275	0.500	3.1	25.0	
	13 1,2-Dichlorobenzene	1.245	1.178	0.400	5.4	25.0	
	14 2,2'-oxybis(1-Chloropropene)	0.751	0.810	0.010	7.9	100.0	
	15 N-Nitroso-di-n-propylamine	0.742	0.598	0.500	19.5	25.0	
	16 2-Methylphenol	0.873	0.900	0.700	3.1	25.0	
	17 4-Methylphenol	1.102	0.912	0.600	17.3	25.0	
	18 Hexachloroethane	0.581	0.540	0.300	7.0	25.0	
S	19 Nitrobenzene-d5	0.288	0.308	0.200	7.0	25.0	
	20 Nitrobenzene	0.271	0.290	0.200	6.9	25.0	
	21 Isophorone	0.513	0.539	0.400	5.1	25.0	
	22 2-Nitrophenol	0.180	0.193	0.100	6.9	25.0	
	23 2,4-Dimethylphenol	0.304	0.301	0.200	0.9	25.0	
	24 bis(2-Chloroethoxy)methane	0.302	0.326	0.300	8.0	25.0	
	25 2,4-Dichlorophenol	0.291	0.280	0.200	3.7	25.0	
	26 1,2,4-Trichlorobenzene	0.306	0.307	0.200	0.4	25.0	
	28 Naphthalene	0.861	0.822	0.700	4.5	25.0	
	29 4-Chloroaniline	0.358	0.346	0.010	3.5	100.0	
	30 Hexachlorobutadiene	0.213	0.214	0.010	0.4	100.0	
	31 4-Chloro-3-methylphenol	0.271	0.271	0.200	0.1	25.0	
	32 2-Methylnaphthalene	0.616	0.580	0.400	5.9	25.0	
	33 1-Methylnapthalene	0.524	0.516	0.400	1.7	25.0	
	34 Hexachlorocyclopentadiene	0.107	0.049	0.010	54.0	100.0	
	35 2,4,6-Trichlorophenol	0.286	0.280	0.200	2.1	25.0	
	36 2,4,5-Trichlorophenol	0.319	0.338	0.200	5.7	25.0	
S	37 2-Fluorobiphenyl	1.029	1.033	0.700	0.4	25.0	
	38 2-Chloronaphthalene	0.846	0.836	0.800	1.3	25.0	
	39 2-Nitroaniline	0.228	0.229	0.010	0.2	100.0	
	40 Dimethylphthalate	1.117	1.089	0.010	2.5	100.0	
	41 Acenaphthylene	1.356	1.230	1.300	9.3	25.0	<-
	42 2,6-Dinitrotoluene	0.245	0.255	0.200	3.9	25.0	

Data File: /chem/aux/mse.i/e113094.b/e3023.d
Report Date: 30-Nov-1994 08:54

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e3023.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 30-NOV-94 08:02
Init. Calibration Date(s): 11/28/94 11/28/94
Init. Calibration Times: 11:01 13:20
Method File: /chem/aux/mse.i/e113094.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.262	0.253	0.010	3.2	100.0
	45 Acenaphthene	0.860	0.857	0.800	0.3	25.0
	46 2,4-Dinitrophenol	0.098	0.073	0.010	25.6	100.0
	47 Dibenzofuran	1.245	1.210	0.800	2.8	25.0
	48 4-Nitrophenol	0.136	0.146	0.010	7.6	100.0
	49 2,4-Dinitrotoluene	0.336	0.347	0.200	3.4	25.0
	50 Diethylphthalate	1.226	1.197	0.010	2.3	100.0
	51 4-Chlorophenyl-phenylether	0.547	0.555	0.400	1.5	25.0
	52 Fluorene	1.066	1.054	0.900	1.1	25.0
	53 4-Nitroaniline	0.232	0.246	0.010	5.6	100.0
	54 4,6-Dinitro-2-methylphenol	0.134	0.106	0.010	20.7	100.0
	55 N-Nitrosodiphenylamine	0.461	0.414	0.010	10.2	100.0
S	56 2,4,6-Tribromophenol	0.174	0.165	0.010	5.1	100.0
	57 4-Bromophenyl-phenylether	0.193	0.178	0.100	7.9	25.0
	58 Hexachlorobenzene	0.230	0.231	0.100	0.3	25.0
	59 Pentachlorophenol	0.059	0.052	0.050	11.5	25.0
	61 Phenanthrene	0.949	0.896	0.700	5.6	25.0
	62 Anthracene	0.956	0.872	0.700	8.8	25.0
	63 Carbazole	0.781	0.760	0.010	2.8	100.0
	64 Di-n-butylphthalate	1.396	1.674	0.010	19.9	100.0
	65 Fluoranthene	1.023	0.998	0.600	2.4	25.0
	66 Benzidine	0.198	0.178	0.010	10.5	100.0
	67 Pyrene	0.872	0.908	0.600	4.2	25.0
S	68 Terphenyl-d14	0.577	0.659	0.500	14.1	25.0
	69 Butylbenzylphthalate	0.530	0.549	0.010	3.5	100.0
	70 3,3'-Dichlorobenzidine	0.340	0.394	0.010	16.1	100.0
	71 Benzo(a)anthracene	0.866	0.984	0.800	13.7	25.0
	73 Chrysene	0.770	0.764	0.700	0.8	25.0
	74 bis(2-Ethylhexyl)phthalate	0.796	0.777	0.010	2.4	100.0
	75 Di-n-octylphthalate	1.483	1.490	0.010	0.4	100.0
	76 Benzo(b)fluoranthene	0.986	0.918	0.700	6.9	25.0
	77 Benzo(k)fluoranthene	0.896	1.071	0.700	19.5	25.0
	78 Benzo(a)pyrene	0.798	0.823	0.700	3.1	25.0
	80 Dibenzo(a,h)anthracene	0.789	0.788	0.400	0.1	25.0
	81 Indeno(1,2,3-cd)pyrene	0.932	0.956	0.500	2.6	25.0
	82 Benzo(g,h,i)perylene	0.659	0.600	0.500	8.8	25.0

Data File: /chem/aux/mse.i/e1201a94.b/e3067.d
Report Date: 02-Dec-1994 05:58

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e3067.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 01-DEC-94 19:09
Init. Calibration Date(s): 11/28/94 11/28/94
Init. Calibration Times: 11:01 13:20
Method File: /chem/aux/mse.i/e1201a94.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Pyridine	0.854	0.930	0.010	9.0	100.0	
	2 N-Nitrosodimethylamine	0.398	0.386	0.010	2.9	100.0	
S	3 2-Fluorophenol	0.953	1.032	0.600	8.2	25.0	
S	4 Phenol-d5	1.073	1.129	0.800	5.3	25.0	
	5 Phenol	1.106	1.109	0.800	0.3	25.0	
	6 bis(2-Chloroethyl)ether	0.861	0.930	0.700	8.0	25.0	
S	7 2-Chlorophenol-D4	1.047	1.107	0.700	5.7	25.0	
	8 2-Chlorophenol	1.059	1.105	0.800	4.4	25.0	
S	10 1,2-Dichlorobenzene-D4	0.788	0.765	0.700	2.8	25.0	
	11 1,3-Dichlorobenzene	1.160	1.214	0.600	4.6	25.0	
	12 1,4-Dichlorobenzene	1.236	1.252	0.500	1.3	25.0	
	13 1,2-Dichlorobenzene	1.245	1.185	0.400	4.8	25.0	
	14 2,2'-oxybis(1-Chloropropene)	0.751	0.795	0.010	5.9	100.0	
	15 N-Nitroso-di-n-propylamine	0.742	0.608	0.500	18.1	25.0	
	16 2-Methylphenol	0.873	0.897	0.700	2.7	25.0	
	17 4-Methylphenol	1.102	0.921	0.600	16.5	25.0	
	18 Hexachloroethane	0.581	0.550	0.300	5.3	25.0	
S	19 Nitrobenzene-d5	0.288	0.320	0.200	11.1	25.0	
	20 Nitrobenzene	0.271	0.292	0.200	7.7	25.0	
	21 Isophorone	0.513	0.559	0.400	9.0	25.0	
	22 2-Nitrophenol	0.180	0.194	0.100	7.5	25.0	
	23 2,4-Dimethylphenol	0.304	0.300	0.200	1.5	25.0	
	24 bis(2-Chloroethoxy)methane	0.302	0.330	0.300	9.2	25.0	
	25 2,4-Dichlorophenol	0.291	0.283	0.200	2.8	25.0	
	26 1,2,4-Trichlorobenzene	0.306	0.303	0.200	1.1	25.0	
	28 Naphthalene	0.861	0.819	0.700	4.9	25.0	
	29 4-Chloroaniline	0.358	0.370	0.010	3.3	100.0	
	30 Hexachlorobutadiene	0.213	0.207	0.010	2.7	100.0	
	31 4-Chloro-3-methylphenol	0.271	0.281	0.200	3.5	25.0	
	32 2-Methylnaphthalene	0.616	0.575	0.400	6.7	25.0	
	33 1-Methylnapthalene	0.524	0.529	0.400	1.0	25.0	
	34 Hexachlorocyclopentadiene	0.107	0.048	0.010	55.2	100.0	
	35 2,4,6-Trichlorophenol	0.286	0.270	0.200	5.7	25.0	
	36 2,4,5-Trichlorophenol	0.319	0.310	0.200	3.0	25.0	
S	37 2-Fluorobiphenyl	1.029	1.005	0.700	2.3	25.0	
	38 2-Chloronaphthalene	0.846	0.840	0.800	0.7	25.0	
	39 2-Nitroaniline	0.228	0.237	0.010	3.7	100.0	
	40 Dimethylphthalate	1.117	1.080	0.010	3.3	100.0	
	41 Acenaphthylene	1.356	1.248	1.300	8.0	25.0	<-
	42 2,6-Dinitrotoluene	0.245	0.256	0.200	4.5	25.0	

Data File: /chem/aux/mse.i/e1201a94.b/e3067.d
Report Date: 02-Dec-1994 05:58

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e3067.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 01-DEC-94 19:09
Init. Calibration Date(s): 11/28/94 11/28/94
Init. Calibration Times: 11:01 13:20
Method File: /chem/aux/mse.i/e1201a94.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	43 3-Nitroaniline	0.262	0.267	0.010	2.0	100.0	
	45 Acenaphthene	0.860	0.860	0.800	0.1	25.0	
	46 2,4-Dinitrophenol	0.098	0.094	0.010	4.3	100.0	
	47 Dibenzofuran	1.245	1.201	0.800	3.6	25.0	
	48 4-Nitrophenol	0.136	0.153	0.010	12.5	100.0	
	49 2,4-Dinitrotoluene	0.336	0.350	0.200	4.3	25.0	
	50 Diethylphthalate	1.226	1.215	0.010	0.9	100.0	
	51 4-Chlorophenyl-phenylether	0.547	0.555	0.400	1.6	25.0	
	52 Fluorene	1.066	1.062	0.900	0.4	25.0	
	53 4-Nitroaniline	0.232	0.264	0.010	13.8	100.0	
	54 4,6-Dinitro-2-methylphenol	0.134	0.116	0.010	13.2	100.0	
	55 N-Nitrosodiphenylamine	0.461	0.419	0.010	9.1	100.0	
S	56 2,4,6-Tribromophenol	0.174	0.152	0.010	12.6	100.0	
	57 4-Bromophenyl-phenylether	0.193	0.178	0.100	7.7	25.0	
	58 Hexachlorobenzene	0.230	0.226	0.100	1.6	25.0	
	59 Pentachlorophenol	0.059	0.045	0.050	24.0	25.0	<-
	61 Phenanthrene	0.949	0.929	0.700	2.1	25.0	
	62 Anthracene	0.956	0.888	0.700	7.1	25.0	
	63 Carbazole	0.781	0.780	0.010	0.2	100.0	
	64 Di-n-butylphthalate	1.396	1.375	0.010	1.5	100.0	
	65 Fluoranthene	1.023	1.011	0.600	1.2	25.0	
	66 Benzidine	0.198	0.222	0.010	12.2	100.0	
	67 Pyrene	0.872	0.917	0.600	5.1	25.0	
S	68 Terphenyl-d14	0.577	0.647	0.500	12.1	25.0	
	69 Butylbenzylphthalate	0.530	0.549	0.010	3.5	100.0	
	70 3,3'-Dichlorobenzidine	0.340	0.403	0.010	18.5	100.0	
	71 Benzo(a)anthracene	0.866	0.961	0.800	11.1	25.0	
	73 Chrysene	0.770	0.761	0.700	1.1	25.0	
	74 bis(2-Ethylhexyl)phthalate	0.796	0.788	0.010	1.1	100.0	
	75 Di-n-octylphthalate	1.483	1.579	0.010	6.5	100.0	
	76 Benzo(b)fluoranthene	0.986	0.933	0.700	5.4	25.0	
	77 Benzo(k)fluoranthene	0.896	1.066	0.700	19.0	25.0	
	78 Benzo(a)pyrene	0.798	0.813	0.700	2.0	25.0	
	80 Dibenzo(a,h)anthracene	0.789	0.667	0.400	15.5	25.0	
	81 Indeno(1,2,3-cd)pyrene	0.932	0.808	0.500	13.3	25.0	
	82 Benzo(g,h,i)perylene	0.659	0.459	0.500	30.4	25.0	<-

Data File: /chem/aux/mse.i/e120294.b/e3087.d
Report Date: 02-Dec-1994 09:08

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e3087.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 02-DEC-94 08:41
Init. Calibration Date(s): 11/28/94 11/28/94
Init. Calibration Times: 11:01 13:20
Method File: /chem/aux/mse.i/e120294.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Pyridine	0.854	0.926	0.010	8.4	100.0	
	2 N-Nitrosodimethylamine	0.398	0.427	0.010	7.5	100.0	
S	3 2-Fluorophenol	0.953	1.077	0.600	13.0	25.0	
S	4 Phenol-d5	1.073	1.167	0.800	8.8	25.0	
	5 Phenol	1.106	1.166	0.800	5.4	25.0	
	6 bis(2-Chloroethyl)ether	0.861	1.000	0.700	16.2	25.0	
S	7 2-Chlorophenol-D4	1.047	1.127	0.700	7.6	25.0	
	8 2-Chlorophenol	1.059	1.111	0.800	4.9	25.0	
S	10 1,2-Dichlorobenzene-D4	0.788	0.763	0.700	3.1	25.0	
	11 1,3-Dichlorobenzene	1.160	1.229	0.600	5.9	25.0	
	12 1,4-Dichlorobenzene	1.236	1.267	0.500	2.5	25.0	
	13 1,2-Dichlorobenzene	1.245	1.175	0.400	5.6	25.0	
	14 2,2'-oxybis(1-Chloropropene)	0.751	0.853	0.010	13.6	100.0	
	15 N-Nitroso-di-n-propylamine	0.742	0.612	0.500	17.5	25.0	
	16 2-Methylphenol	0.873	0.935	0.700	7.1	25.0	
	17 4-Methylphenol	1.102	0.908	0.600	17.6	25.0	
	18 Hexachloroethane	0.581	0.542	0.300	6.7	25.0	
S	19 Nitrobenzene-d5	0.288	0.321	0.200	11.8	25.0	
	20 Nitrobenzene	0.271	0.293	0.200	8.3	25.0	
	21 Isophorone	0.513	0.551	0.400	7.5	25.0	
	22 2-Nitrophenol	0.180	0.174	0.100	3.4	25.0	
	23 2,4-Dimethylphenol	0.304	0.309	0.200	1.6	25.0	
	24 bis(2-Chloroethoxy)methane	0.302	0.334	0.300	10.5	25.0	
	25 2,4-Dichlorophenol	0.291	0.276	0.200	5.3	25.0	
	26 1,2,4-Trichlorobenzene	0.306	0.295	0.200	3.6	25.0	
	28 Naphthalene	0.861	0.824	0.700	4.2	25.0	
	29 4-Chloroaniline	0.358	0.348	0.010	2.8	100.0	
	30 Hexachlorobutadiene	0.213	0.198	0.010	6.9	100.0	
	31 4-Chloro-3-methylphenol	0.271	0.276	0.200	1.6	25.0	
	32 2-Methylnaphthalene	0.616	0.564	0.400	8.5	25.0	
	33 1-Methylnapthalene	0.524	0.512	0.400	2.4	25.0	
	34 Hexachlorocyclopentadiene	0.107	0.070	0.010	34.6	100.0	
	35 2,4,6-Trichlorophenol	0.286	0.288	0.200	0.8	25.0	
	36 2,4,5-Trichlorophenol	0.319	0.340	0.200	6.4	25.0	
S	37 2-Fluorobiphenyl	1.029	1.042	0.700	1.3	25.0	
	38 2-Chloronaphthalene	0.846	0.862	0.800	1.8	25.0	
	39 2-Nitroaniline	0.228	0.247	0.010	8.1	100.0	
	40 Dimethylphthalate	1.117	1.095	0.010	2.0	100.0	
	41 Acenaphthylene	1.356	1.290	1.300	4.8	25.0	<-
	42 2,6-Dinitrotoluene	0.245	0.251	0.200	2.5	25.0	

Data File: /chem/aux/mse.i/e120294.b/e3087.d
Report Date: 02-Dec-1994 09:08

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mse.i
Lab File ID: e3087.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 02-DEC-94 08:41
Init. Calibration Date(s): 11/28/94 11/28/94
Init. Calibration Times: 11:01 13:20
Method File: /chem/aux/mse.i/e120294.b/bnaclpe.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.262	0.276	0.010	5.4	100.0
	45 Acenaphthene	0.860	0.883	0.800	2.7	25.0
	46 2,4-Dinitrophenol	0.098	0.105	0.010	7.2	100.0
	47 Dibenzofuran	1.245	1.218	0.800	2.2	25.0
	48 4-Nitrophenol	0.136	0.175	0.010	28.5	100.0
	49 2,4-Dinitrotoluene	0.336	0.337	0.200	0.2	25.0
	50 Diethylphthalate	1.226	1.276	0.010	4.1	100.0
	51 4-Chlorophenyl-phenylether	0.547	0.568	0.400	3.9	25.0
	52 Fluorene	1.066	1.080	0.900	1.3	25.0
	53 4-Nitroaniline	0.232	0.259	0.010	11.4	100.0
	54 4,6-Dinitro-2-methylphenol	0.134	0.122	0.010	8.9	100.0
	55 N-Nitrosodiphenylamine	0.461	0.419	0.010	9.2	100.0
S	56 2,4,6-Tribromophenol	0.174	0.170	0.010	2.6	100.0
	57 4-Bromophenyl-phenylether	0.193	0.178	0.100	7.6	25.0
	58 Hexachlorobenzene	0.230	0.226	0.100	1.9	25.0
	59 Pentachlorophenol	0.059	0.059	0.050	0.5	25.0
	61 Phenanthrene	0.949	0.918	0.700	3.2	25.0
	62 Anthracene	0.956	0.897	0.700	6.2	25.0
	63 Carbazole	0.781	0.747	0.010	4.4	100.0
	64 Di-n-butylphthalate	1.396	1.407	0.010	0.8	100.0
	65 Fluoranthene	1.023	1.011	0.600	1.2	25.0
	66 Benzidine	0.198	0.052	0.010	73.7	100.0
	67 Pyrene	0.872	0.825	0.600	5.4	25.0
S	68 Terphenyl-d14	0.577	0.600	0.500	3.9	25.0
	69 Butylbenzylphthalate	0.530	0.532	0.010	0.3	100.0
	70 3,3'-Dichlorobenzidine	0.340	0.396	0.010	16.4	100.0
	71 Benzo(a)anthracene	0.866	0.923	0.800	6.6	25.0
	73 Chrysene	0.770	0.743	0.700	3.5	25.0
	74 bis(2-Ethylhexyl)phthalate	0.796	0.813	0.010	2.1	100.0
	75 Di-n-octylphthalate	1.483	1.292	0.010	12.9	100.0
	76 Benzo(b)fluoranthene	0.986	0.964	0.700	2.3	25.0
	77 Benzo(k)fluoranthene	0.896	0.935	0.700	4.3	25.0
	78 Benzo(a)pyrene	0.798	0.777	0.700	2.6	25.0
	80 Dibenzo(a,h)anthracene	0.789	0.834	0.400	5.7	25.0
	81 Indeno(1,2,3-cd)pyrene	0.932	1.017	0.500	9.1	25.0
	82 Benzo(g,h,i)perylene	0.659	0.712	0.500	8.1	25.0

Report Date : 15-Dec-1994 14:54

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 15-DEC-94 09:56
End Cal Date : 15-DEC-94 11:09
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b121594.b/bnaclpb.m
Cal Date : 15-Dec-1994 14:35

Calibration File Names:
Level 1: /chem/aux/msb.i/b121594.b/b5181.d
Level 2: /chem/aux/msb.i/b121594.b/b5182.d
Level 3: /chem/aux/msb.i/b121594.b/b5183.d
Level 4: /chem/aux/msb.i/b121594.b/b5184.d
Level 5: /chem/aux/msb.i/b121594.b/b5185.d

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2
1 Pyridine	1.03226	0.82749	0.84435	0.89311	0.98176	0.91580	9.664
2 N-Nitrosodimethylamine	0.66000	0.63634	0.62638	0.68196	0.68970	0.65887	4.190
5 Phenol	1.49180	1.30394	1.27021	1.21444	1.11392	1.27886	10.877
6 bis(2-Chloroethyl)ether	1.25996	1.10949	1.08037	1.04799	0.97138	1.09384	9.710
8 2-Chlorophenol	1.16047	1.00529	0.99411	0.96692	0.91790	1.00894	9.037
9 1,3-Dichlorobenzene	1.30426	1.17063	1.13773	1.11272	1.10727	1.16652	6.941
11 1,4-Dichlorobenzene	1.32556	1.18355	1.15649	1.11406	1.03449	1.16283	9.202
13 1,2-Dichlorobenzene	1.30262	1.08774	1.04777	0.95878	0.84904	1.04919	16.087
14 2-Methylphenol	1.01715	0.92355	0.98417	0.96916	0.90171	0.95915	4.850
15 2,2'-oxybis(1-Chloropropene)	2.54965	2.30205	2.32684	2.38774	2.41610	2.39648	4.051
16 4-Methylphenol	1.10171	1.01767	0.98109	0.91038	0.85162	0.97250	9.927
17 N-Nitroso-di-n-propylamine	1.11145	0.99956	0.99528	0.92909	0.83986	0.97505	10.256
18 Hexachloroethane	0.61008	0.52263	0.51965	0.48034	0.41526	0.50959	13.918
20 Nitrobenzene	0.35186	0.31942	0.30911	0.29494	0.28135	0.31134	8.619
21 Isophorone	0.71602	0.62970	0.63525	0.60694	0.63753	0.64509	6.428
22 2-Nitrophenol	0.19348	0.17683	0.17587	0.16555	0.16186	0.17472	7.052
23 2,4-Dimethylphenol	0.32393	0.30190	0.29404	0.27403	0.26300	0.29138	8.201
24 bis(2-Chloroethoxy)methane	0.45655	0.40356	0.39158	0.36292	0.35874	0.39467	9.989
25 2,4-Dichlorophenol	0.28883	0.26219	0.25261	0.22335	0.21188	0.24777	12.441
26 1,2,4-Trichlorobenzene	0.30798	0.27725	0.26179	0.23982	0.22804	0.26297	12.005
28 Naphthalene	0.89466	0.78110	0.74511	0.65606	0.58318	0.73202	16.301
29 4-Chloroaniline	0.42026	0.37866	0.36549	0.33533	0.31788	0.36352	10.943
30 Hexachlorobutadiene	0.18892	0.14682	0.15127	0.13126	0.12857	0.14937	16.177
31 4-Chloro-3-methylphenol	0.32242	0.29675	0.28783	0.26295	0.25558	0.28511	9.441
32 2-Methylnaphthalene	0.63397	0.55693	0.51393	0.46132	0.42577	0.51839	15.760
33 1-Methylnaphthalene	2.12918	1.83022	1.76092	1.65536	1.57167	1.78947	11.963
34 Hexachlorocyclopentadiene	0.19205	0.20955	0.22324	0.24951	0.25066	0.22500	11.302

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 15-DEC-94 09:56
End Cal Date : 15-DEC-94 11:09
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b121594.b/bnaclpb.m
Cal Date : 15-Dec-1994 14:35

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2	
35 2,4,6-Trichlorophenol	0.34037	0.29531	0.28764	0.29778	0.29379	0.30298	7.008	
36 2,4,5-Trichlorophenol	0.37600	0.33929	0.33316	0.33830	0.32337	0.34203	5.852	
38 2-Chloronaphthalene	0.91603	0.77509	0.74930	0.76037	0.72449	0.78505	9.619	<-
39 2-Nitroaniline	0.38363	0.34553	0.35646	0.37524	0.38134	0.36844	4.525	
40 Dimethylphthalate	1.23386	1.06672	1.04831	1.07179	1.03923	1.09198	7.364	
41 2,6-Dinitrotoluene	0.29364	0.26753	0.26365	0.27043	0.26523	0.27210	4.526	
42 Acenaphthylene	1.58340	1.33294	1.27955	1.25580	1.15840	1.32202	12.043	
43 3-Nitroaniline	0.30707	0.27943	0.27302	0.27055	0.26337	0.27869	6.055	
45 Acenaphthene	0.97943	0.82687	0.78090	0.77072	0.72532	0.81665	11.987	
46 2,4-Dinitrophenol	+++++	0.12287	0.15028	0.17380	0.17986	0.15670	16.538	
47 4-Nitrophenol	0.10599	0.09845	0.11019	0.11535	0.10976	0.10795	5.808	
48 Dibenzofuran	1.39055	1.18079	1.10212	1.07018	0.98375	1.14548	13.455	
49 2,4-Dinitrotoluene	0.41595	0.37237	0.38897	0.39375	0.39171	0.39255	3.966	
50 Diethylphthalate	1.27911	1.10918	1.05403	0.95909	0.80422	1.04113	16.931	
51 4-Chlorophenyl-phenylether	0.63935	0.54170	0.50812	0.48165	0.42543	0.51925	15.307	
52 Fluorene	1.13344	0.93444	0.85597	0.76170	0.63329	0.86377	21.761	<-
53 4-Nitroaniline	0.33007	0.29970	0.30684	0.31805	0.32549	0.31603	4.008	
54 4,6-Dinitro-2-methylphenol	0.10616	0.11356	0.12080	0.12475	0.12009	0.11707	6.240	
55 N-Nitrosodiphenylamine	0.44497	0.37244	0.35886	0.33997	0.29911	0.36307	14.728	
57 4-Bromophenyl-phenylether	0.22628	0.18989	0.18031	0.17281	0.16205	0.18627	13.196	
58 Hexachlorobenzene	0.27723	0.24147	0.22799	0.21725	0.20505	0.23380	11.867	
59 Pentachlorophenol	0.06097	0.07587	0.08934	0.10426	0.10631	0.08735	21.996	<-
61 Phenanthrene	0.93154	0.80800	0.75279	0.70484	0.63026	0.76549	14.824	
62 Anthracene	0.98800	0.83252	0.78146	0.71299	0.62993	0.78898	17.079	
63 Carbazole	0.87575	0.77786	0.71817	0.67788	0.61828	0.73359	13.427	
64 Di-n-butylphthalate	1.34199	1.18687	1.09589	0.93238	0.76206	1.06384	21.118	
65 Fluoranthene	1.09297	0.94766	0.88450	0.79782	0.72293	0.88918	16.000	
66 Benzidine	0.45023	0.35865	0.36246	+++++	+++++	0.39045	13.269	
67 Pyrene	1.18070	1.04375	1.02473	1.02612	0.98558	1.05218	7.121	
69 Butylbenzylphthalate	0.66658	0.58697	0.58693	0.58986	0.59016	0.60410	5.787	
70 Benzo(a)anthracene	0.92375	0.78437	0.76861	0.77897	0.72914	0.79697	9.297	<-
72 3,3'-Dichlorobenzidine	0.36698	0.32273	0.31568	0.29504	0.27746	0.31558	10.708	
73 Chrysene	0.89714	0.83331	0.79094	0.78612	0.83509	0.82852	5.392	
74 bis(2-Ethylhexyl)phthalate	0.96151	0.85733	0.84484	0.82447	0.77995	0.85362	7.861	

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 15-DEC-94 09:56
End Cal Date : 15-DEC-94 11:09
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b121594.b/bnaclpb.m
Cal Date : 15-Dec-1994 14:35

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2
75 Di-n-octylphthalate	1.77400	1.55175	1.40172	1.21327	1.03298	1.39475	20.667
76 Benzo(b)fluoranthene	1.07002	0.87327	0.93816	0.83880	0.93185	0.93042	9.494
77 Benzo(k)fluoranthene	1.08613	1.05934	0.84245	0.72537	0.76577	0.89581	18.660
78 Benzo(a)pyrene	0.89896	0.81877	0.77664	0.74642	0.75316	0.79879	7.855
80 Indeno(1,2,3-cd)pyrene	0.76622	0.75975	0.69110	0.68158	0.62090	0.70391	8.569
81 Dibenzo(a,h)anthracene	0.65190	0.61802	0.58601	0.58905	0.53746	0.59649	7.104
82 Benzo(g,h,i)perylene	0.60207	0.58761	0.54580	0.53901	0.49939	0.55478	7.383
$ 3 2-Fluorophenol	0.97578	0.87689	0.89641	0.91799	0.93980	0.92138	4.173
$ 4 Phenol-d5	1.35924	1.20185	1.14724	1.09364	1.01354	1.16310	11.162
$ 7 2-Chlorobenzene-D4	1.11592	0.98564	0.95167	0.92762	0.84572	0.96531	10.230
$ 12 1,2-Dichlorobenzene-D4	0.80581	0.68357	0.64518	0.59376	0.50444	0.64655	17.243 <- Advisory only
$ 19 Nitrobenzene-d5	0.34409	0.31598	0.31446	0.30531	0.29514	0.31500	5.801
$ 37 2-Fluorobiphenyl	1.04291	0.85870	0.83592	0.82378	0.78338	0.86894	11.626
$ 56 2,4,6-Tribromophenol	0.20022	0.19385	0.20609	0.21531	0.21227	0.20555	4.256
$ 68 Terphenyl-d14	0.82122	0.73431	0.70202	0.71019	0.70707	0.73496	6.775

Data File: /chem/aux/msb.i/b121694.b/b5208.d
Report Date: 16-Dec-1994 09:53

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5208.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 16-DEC-94 08:16
Init. Calibration Date(s): 12/15/94 12/15/94
Init. Calibration Times: 09:56 11:09
Method File: /chem/aux/msb.i/b121694.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Pyridine	0.916	0.919	0.010	0.4	100.0	
	2 N-Nitrosodimethylamine	0.659	0.637	0.010	3.3	100.0	
$	3 2-Fluorophenol	0.921	0.910	0.600	1.2	25.0	
$	4 Phenol-d5	1.163	1.196	0.800	2.8	25.0	
	5 Phenol	1.279	1.322	0.800	3.4	25.0	
	6 bis(2-Chloroethyl)ether	1.094	1.096	0.700	0.2	25.0	
$	7 2-Chlorobenzene-D4	0.965	0.987	0.700	2.3	25.0	
	8 2-Chlorophenol	1.009	1.031	0.800	2.2	25.0	
	9 1,3-Dichlorobenzene	1.167	1.156	0.600	0.9	25.0	
	11 1,4-Dichlorobenzene	1.163	1.172	0.500	0.7	25.0	
$	12 1,2-Dichlorobenzene-D4	0.647	0.668	0.700	3.3	25.0	<- Advisory
	13 1,2-Dichlorobenzene	1.049	1.093	0.400	4.2	25.0	
	14 2-Methylphenol	0.959	1.048	0.700	9.3	25.0	
	15 2,2'-oxybis(1-Chloropropene)	2.396	2.223	0.010	7.3	100.0	
	16 4-Methylphenol	0.972	0.980	0.600	0.8	25.0	
	17 N-Nitroso-di-n-propylamine	0.975	0.971	0.500	0.4	25.0	
	18 Hexachloroethane	0.510	0.515	0.300	1.0	25.0	
	19 Nitrobenzene-d5	0.315	0.320	0.200	1.7	25.0	
	20 Nitrobenzene	0.311	0.311	0.200	0.1	25.0	
	21 Isophorone	0.645	0.619	0.400	4.0	25.0	
	22 2-Nitrophenol	0.175	0.175	0.100	0.2	25.0	
	23 2,4-Dimethylphenol	0.291	0.297	0.200	1.8	25.0	
	24 bis(2-Chloroethoxy)methane	0.395	0.388	0.300	1.7	25.0	
	25 2,4-Dichlorophenol	0.248	0.257	0.200	3.6	25.0	
	26 1,2,4-Trichlorobenzene	0.263	0.268	0.200	1.9	25.0	
	28 Naphthalene	0.732	0.770	0.700	5.2	25.0	
	29 4-Chloroaniline	0.364	0.368	0.010	1.3	100.0	
	30 Hexachlorobutadiene	0.149	0.157	0.010	5.1	100.0	
	31 4-Chloro-3-methylphenol	0.285	0.283	0.200	0.6	25.0	
	32 2-Methylnaphthalene	0.518	0.542	0.400	4.6	25.0	
	33 1-Methylnaphthalene	1.789	1.783	0.010	0.4	100.0	
	34 Hexachlorocyclopentadiene	0.225	0.183	0.010	18.6	100.0	
	35 2,4,6-Trichlorophenol	0.303	0.296	0.200	2.3	25.0	
	36 2,4,5-Trichlorophenol	0.342	0.341	0.200	0.4	25.0	
	37 2-Fluorobiphenyl	0.869	0.862	0.700	0.8	25.0	
	38 2-Chloronaphthalene	0.785	0.796	0.800	1.4	25.0	<-
	39 2-Nitroaniline	0.368	0.352	0.010	4.3	100.0	
	40 Dimethylphthalate	1.092	1.063	0.010	2.7	100.0	
	41 2,6-Dinitrotoluene	0.272	0.259	0.200	5.0	25.0	
	42 Acenaphthylene	1.322	1.355	1.300	2.5	25.0	

Data File: /chem/aux/msb.i/b121694.b/b5208.d
Report Date: 16-Dec-1994 09:53

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5208.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 16-DEC-94 08:16
Init. Calibration Date(s): 12/15/94 12/15/94
Init. Calibration Times: 09:56 11:09
Method File: /chem/aux/msb.i/b121694.b/bnaclpb.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
43 3-Nitroaniline	0.279	0.284	0.010	1.9	100.0	
45 Acenaphthene	0.817	0.815	0.800	0.2	25.0	
46 2,4-Dinitrophenol	0.157	0.109	0.010	30.2	100.0	
47 4-Nitrophenol	0.108	0.097	0.010	9.7	100.0	
48 Dibenzofuran	1.145	1.156	0.800	0.9	25.0	
49 2,4-Dinitrotoluene	0.393	0.373	0.200	4.9	25.0	
50 Diethylphthalate	1.041	1.067	0.010	2.5	100.0	
51 4-Chlorophenyl-phenylether	0.519	0.529	0.400	1.8	25.0	
52 Fluorene	0.864	0.944	0.900	9.3	25.0	<-
53 4-Nitroaniline	0.316	0.320	0.010	1.3	100.0	
54 4,6-Dinitro-2-methylphenol	0.117	0.103	0.010	11.8	100.0	
55 N-Nitrosodiphenylamine	0.363	0.385	0.010	6.1	100.0	
56 2,4,6-Tribromophenol	0.206	0.181	0.010	12.1	100.0	
57 4-Bromophenyl-phenylether	0.186	0.184	0.100	1.2	25.0	
58 Hexachlorobenzene	0.234	0.240	0.100	2.6	25.0	
59 Pentachlorophenol	0.087	0.064	0.050	26.3	25.0	<-
61 Phenanthrene	0.765	0.817	0.700	6.7	25.0	
62 Anthracene	0.789	0.836	0.700	5.9	25.0	
63 Carbazole	0.734	0.791	0.010	7.8	100.0	
64 Di-n-butylphthalate	1.064	1.123	0.010	5.6	100.0	
65 Fluoranthene	0.889	0.944	0.600	6.2	25.0	
66 Benzidine	0.390	0.345	0.010	11.6	100.0	
67 Pyrene	1.052	1.024	0.600	2.7	25.0	
68 Terphenyl-d14	0.735	0.694	0.500	5.6	25.0	
69 Butylbenzylphthalate	0.604	0.582	0.010	3.6	100.0	
70 Benzo(a)anthracene	0.797	0.838	0.800	5.1	25.0	<-
71 3,3'-Dichlorobenzidine	0.316	0.354	0.010	12.1	100.0	
72 Chrysene	0.829	0.817	0.700	1.4	25.0	
73 Bis(2-Ethylhexyl)phthalate	0.854	0.873	0.010	2.3	100.0	
74 Di-n-octylphthalate	1.395	1.409	0.010	1.0	100.0	
75 Benzo(b)fluoranthene	0.930	1.043	0.700	12.1	25.0	
76 Benzo(k)fluoranthene	0.896	0.823	0.700	8.1	25.0	
77 Benzo(a)pyrene	0.799	0.820	0.700	2.6	25.0	
78 Indeno(1,2,3-cd)pyrene	0.704	0.796	0.500	13.0	25.0	
79 Dibenzo(a,h)anthracene	0.596	0.677	0.400	13.4	25.0	
80 Benzo(g,h,i)perylene	0.555	0.635	0.500	14.5	25.0	

Data File: /chem/aux/msb.i/b122094.b/b5256.d
Report Date: 20-Dec-1994 08:14

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5256.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 20-DEC-94 07:31
Init. Calibration Date(s): 12/15/94 12/15/94
Init. Calibration Times: 09:56 11:09
Method File: /chem/aux/msb.i/b122094.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Pyridine	0.916	0.933	0.010	1.9	100.0	
	2 N-Nitrosodimethylamine	0.659	0.608	0.010	7.7	100.0	
$	3 2-Fluorophenol	0.921	0.926	0.600	0.5	25.0	
$	4 Phenol-d5	1.163	1.230	0.800	5.8	25.0	
	5 Phenol	1.279	1.357	0.800	6.1	25.0	
	6 bis(2-Chloroethyl)ether	1.094	1.118	0.700	2.2	25.0	
$	7 2-Chlorobenzene-D4	0.965	1.024	0.700	6.1	25.0	
	8 2-Chlorophenol	1.009	1.051	0.800	4.2	25.0	
	9 1,3-Dichlorobenzene	1.167	1.174	0.600	0.7	25.0	
	11 1,4-Dichlorobenzene	1.163	1.187	0.500	2.0	25.0	
$	12 1,2-Dichlorobenzene-D4	0.647	0.683	0.700	5.6	25.0	← Adv. Cmpd.
	13 1,2-Dichlorobenzene	1.049	1.086	0.400	3.5	25.0	
	14 2-Methylphenol	0.959	1.050	0.700	9.5	25.0	
	15 2,2'-oxybis(1-Chloropropene)	2.396	2.069	0.010	13.7	100.0	
	16 4-Methylphenol	0.972	0.995	0.600	2.3	25.0	
	17 N-Nitroso-di-n-propylamine	0.975	0.968	0.500	0.7	25.0	
	18 Hexachloroethane	0.510	0.521	0.300	2.2	25.0	
$	19 Nitrobenzene-d5	0.315	0.304	0.200	3.4	25.0	
	20 Nitrobenzene	0.311	0.306	0.200	1.6	25.0	
	21 Isophorone	0.645	0.631	0.400	2.2	25.0	
	22 2-Nitrophenol	0.175	0.177	0.100	1.3	25.0	
	23 2,4-Dimethylphenol	0.291	0.275	0.200	5.7	25.0	
	24 bis(2-Chloroethoxy)methane	0.395	0.389	0.300	1.4	25.0	
	25 2,4-Dichlorophenol	0.248	0.259	0.200	4.5	25.0	
	26 1,2,4-Trichlorobenzene	0.263	0.266	0.200	1.3	25.0	
	28 Naphthalene	0.732	0.769	0.700	5.0	25.0	
	29 4-Chloroaniline	0.364	0.361	0.010	0.7	100.0	
	30 Hexachlorobutadiene	0.149	0.145	0.010	3.2	100.0	
	31 4-Chloro-3-methylphenol	0.285	0.285	0.200	0.1	25.0	
	32 2-Methylnaphthalene	0.518	0.544	0.400	4.9	25.0	
	33 1-Methylnaphthalene	1.789	1.857	0.010	3.8	100.0	
	34 Hexachlorocyclopentadiene	0.225	0.187	0.010	16.8	100.0	
	35 2,4,6-Trichlorophenol	0.303	0.286	0.200	5.4	25.0	
	36 2,4,5-Trichlorophenol	0.342	0.333	0.200	2.6	25.0	
$	37 2-Fluorobiphenyl	0.869	0.848	0.700	2.4	25.0	
	38 2-Chloronaphthalene	0.785	0.782	0.800	0.4	25.0	<-
	39 2-Nitroaniline	0.368	0.337	0.010	8.5	100.0	
	40 Dimethylphthalate	1.092	1.044	0.010	4.4	100.0	
	41 2,6-Dinitrotoluene	0.272	0.255	0.200	6.2	25.0	
	42 Acenaphthylene	1.322	1.339	1.300	1.3	25.0	

Data File: /chem/aux/msb.i/b122094.b/b5256.d
Report Date: 20-Dec-1994 08:14

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5256.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 20-DEC-94 07:31
Init. Calibration Date(s): 12/15/94 12/15/94
Init. Calibration Times: 09:56 11:09
Method File: /chem/aux/msb.i/b122094.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	43 3-Nitroaniline	0.279	0.281	0.010	0.8	100.0	
	45 Acenaphthene	0.817	0.793	0.800	2.8	25.0	<-
	46 2,4-Dinitrophenol	0.157	0.117	0.010	25.6	100.0	
	47 4-Nitrophenol	0.108	0.107	0.010	1.0	100.0	
	48 Dibenzofuran	1.145	1.186	0.800	3.5	25.0	
	49 2,4-Dinitrotoluene	0.393	0.375	0.200	4.4	25.0	
	50 Diethylphthalate	1.041	1.072	0.010	2.9	100.0	
	51 4-Chlorophenyl-phenylether	0.519	0.513	0.400	1.2	25.0	
	52 Fluorene	0.864	0.911	0.900	5.4	25.0	<-
	53 4-Nitroaniline	0.316	0.312	0.010	1.1	100.0	
	54 4,6-Dinitro-2-methylphenol	0.117	0.110	0.010	6.2	100.0	
	55 N-Nitrosodiphenylamine	0.363	0.383	0.010	5.4	100.0	
S	56 2,4,6-Tribromophenol	0.206	0.172	0.010	16.4	100.0	
	57 4-Bromophenyl-phenylether	0.186	0.178	0.100	4.5	25.0	
	58 Hexachlorobenzene	0.234	0.225	0.100	3.9	25.0	
	59 Pentachlorophenol	0.087	0.080	0.050	8.4	25.0	
	61 Phenanthrene	0.765	0.803	0.700	4.9	25.0	
	62 Anthracene	0.789	0.822	0.700	4.2	25.0	
	63 Carbazole	0.734	0.780	0.010	6.3	100.0	
	64 Di-n-butylphthalate	1.064	1.043	0.010	2.0	100.0	
	65 Fluoranthene	0.889	0.926	0.600	4.1	25.0	
	66 Benzidine	0.390	0.216	0.010	44.8	100.0	
	67 Pyrene	1.052	0.996	0.600	5.3	25.0	
S	68 Terphenyl-d14	0.735	0.665	0.500	9.6	25.0	
	69 Butylbenzylphthalate	0.604	0.576	0.010	4.7	100.0	
	70 Benzo(a)anthracene	0.797	0.821	0.800	3.0	25.0	<-
	72 3,3'-Dichlorobenzidine	0.316	0.327	0.010	3.6	100.0	
	73 Chrysene	0.829	0.816	0.700	1.5	25.0	
	74 bis(2-Ethylhexyl)phthalate	0.854	0.837	0.010	1.9	100.0	
	75 Di-n-octylphthalate	1.395	1.170	0.010	16.1	100.0	
	76 Benzo(b)fluoranthene	0.930	0.881	0.700	5.3	25.0	
	77 Benzo(k)fluoranthene	0.896	0.830	0.700	7.3	25.0	
	78 Benzo(a)pyrene	0.799	0.746	0.700	6.6	25.0	
	80 Indeno(1,2,3-cd)pyrene	0.704	0.768	0.500	9.2	25.0	
	81 Dibenzo(a,h)anthracene	0.596	0.670	0.400	12.3	25.0	
	82 Benzo(g,h,i)perylene	0.555	0.615	0.500	10.8	25.0	

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-94 09:45
End Cal Date : 21-DEC-94 13:17
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b122194.b/bnaclpb.m
Cal Date : 21-Dec-1994 13:51

Calibration File Names:
Level 1: /chem/aux/msb.i/b122194.b/b5278.d
Level 2: /chem/aux/msb.i/b122194.b/b5274.d
Level 3: /chem/aux/msb.i/b122194.b/b5275.d
Level 4: /chem/aux/msb.i/b122194.b/b5276.d
Level 5: /chem/aux/msb.i/b122194.b/b5277.d

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2	
1 Pyridine	0.90879	0.96185	1.03652	1.02989	1.06143	0.99970	6.282	
2 N-Nitrosodimethylamine	0.56951	0.60191	0.72675	0.74046	0.69379	0.66648	11.492	
5 Phenol	1.57090	1.42583	1.49064	1.44441	1.32880	1.45211	6.116	
6 bis(2-Chloroethyl)ether	1.34166	1.20037	1.23011	1.18990	1.09360	1.21113	7.359	
8 2-Chlorophenol	1.20022	1.10665	1.18089	1.15683	1.06672	1.14226	4.803	
9 1,3-Dichlorobenzene	1.36694	1.24441	1.31795	1.31297	1.22162	1.29278	4.567	
11 1,4-Dichlorobenzene	1.45440	1.29732	1.36057	1.35355	1.22083	1.33733	6.441	
13 1,2-Dichlorobenzene	1.35917	1.17864	1.21347	1.15830	0.97880	1.17768	11.561	
14 2-Methylphenol	1.24195	1.13543	1.15012	1.14897	1.05119	1.14553	5.910	
15 2,2'-oxybis(1-Chloropropene)	2.24331	2.07489	2.24611	2.27941	2.13386	2.19552	3.960	
16 4-Methylphenol	1.16276	1.04753	1.11746	1.09047	0.99892	1.08343	5.825	
17 N-Nitroso-di-n-propylamine	1.08776	1.00425	1.03536	1.00443	0.88409	1.00318	7.456	
18 Hexachloroethane	0.61785	0.56472	0.58779	0.54675	0.45828	0.55508	10.862	
20 Nitrobenzene	0.37043	0.32545	0.35843	0.34004	0.30884	0.34064	7.260	
21 Isophorone	0.74876	0.67127	0.74746	0.72831	0.68628	0.71641	4.983	
22 2-Nitrophenol	0.20339	0.18687	0.20856	0.20012	0.18493	0.19678	5.283	
23 2,4-Dimethylphenol	0.36541	0.31545	0.35147	0.33787	0.31041	0.33612	6.953	
24 bis(2-Chloroethoxy)methane	0.46939	0.42078	0.45545	0.42880	0.39635	0.43415	6.647	
25 2,4-Dichlorophenol	0.30078	0.26907	0.29097	0.27372	0.24697	0.27630	7.534	
26 1,2,4-Trichlorobenzene	0.32214	0.28069	0.29831	0.28390	0.25763	0.28853	8.244	
28 Naphthalene	0.97279	0.83730	0.80359	0.65414	0.51719	0.75700	23.190	<-
29 4-Chloroaniline	0.44266	0.39520	0.43344	0.40882	0.36886	0.40980	7.248	
30 Hexachlorobutadiene	0.18277	0.15239	0.16417	0.15035	0.14281	0.15850	9.829	
31 4-Chloro-3-methylphenol	0.32934	0.29693	0.33350	0.32092	0.28535	0.31321	6.721	
32 2-Methylnaphthalene	0.64916	0.58014	0.61039	0.54915	0.46971	0.57171	11.888	
33 1-Methylnaphthalene	2.09957	1.94984	2.02471	1.97700	1.74256	1.95874	6.818	
34 Hexachlorocyclopentadiene	0.14044	0.20160	0.25780	0.25660	0.27047	0.22533	24.139	

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-94 09:45
End Cal Date : 21-DEC-94 13:17
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b122194.b/bnaclpb.m
Cal Date : 21-Dec-1994 13:51

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	RRF	% RSD/R^2	
35 2,4,6-Trichlorophenol	0.32646	0.30993	0.34038	0.33678	0.33817	0.33034	3.815	
36 2,4,5-Trichlorophenol	0.38600	0.35970	0.39229	0.40914	0.38959	0.38735	4.601	
38 2-Chloronaphthalene	0.99396	0.87205	0.95415	0.95046	0.83536	0.92120	7.081	
39 2-Nitroaniline	0.39456	0.36291	0.41756	0.44014	0.43135	0.40930	7.605	
40 Dimethylphthalate	1.31216	1.17386	1.28727	1.23633	1.12409	1.22674	6.365	
41 2,6-Dinitrotoluene	0.31433	0.28572	0.32073	0.33145	0.31958	0.31436	5.463	
42 Acenaphthylene	1.72278	1.48119	1.51108	1.30229	1.13912	1.43129	15.459	
43 3-Nitroaniline	0.35769	0.30638	0.33969	0.34369	0.33766	0.33702	5.587	
45 Acenaphthene	1.04382	0.89903	0.95352	0.93485	0.85562	0.93937	7.556	
46 2,4-Dinitrophenol	+++++	0.12632	0.16858	0.19967	0.21347	0.17704	21.831	
47 4-Nitrophenol	0.09584	0.10863	0.12465	0.13614	0.12844	0.11874	13.699	
48 Dibenzofuran	1.43030	1.28990	1.38429	1.24872	1.05178	1.28100	11.488	
49 2,4-Dinitrotoluene	0.45029	0.40557	0.47071	0.48805	0.47512	0.45795	7.047	
50 Diethylphthalate	1.37704	1.20796	1.26717	1.15269	0.96860	1.19469	12.664	
51 4-Chlorophenyl-phenylether	0.65245	0.56272	0.60120	0.57281	0.51240	0.58032	8.879	
52 Fluorene	1.20743	1.02841	1.05290	0.94095	0.79247	1.00443	15.188	
53 4-Nitroaniline	0.38448	0.34465	0.39732	0.41099	0.40313	0.38811	6.738	
54 4,6-Dinitro-2-methylphenol	0.11112	0.11438	0.14182	0.14806	0.14773	0.13262	13.834	
55 N-Nitrosodiphenylamine	0.50837	0.43364	0.47265	0.43360	0.38391	0.44643	10.483	
57 4-Bromophenyl-phenylether	0.22363	0.19796	0.20911	0.19919	0.18881	0.20374	6.500	
58 Hexachlorobenzene	0.27373	0.24272	0.25635	0.24934	0.23227	0.25089	6.198	
59 Pentachlorophenol	+++++	0.04691	0.08002	0.10044	0.09929	0.08167	30.603	<-
61 Phenanthrene	1.08128	0.91676	0.89906	0.74853	0.63916	0.85696	19.774	
62 Anthracene	1.12756	0.92907	0.90313	0.73369	0.62973	0.86464	22.178	<-
63 Carbazole	0.97304	0.88226	0.83281	0.76449	0.64634	0.82979	15.244	
64 Di-n-butylphthalate	1.50402	1.23178	1.05109	0.81281	0.67293	1.05453	31.363	
65 Fluoranthene	1.19618	1.02814	1.00662	0.82372	0.70602	0.95214	20.022	
66 Benzidine	0.67552	0.54394	0.54837	+++++	+++++	0.58928	12.680	
67 Pyrene	1.38772	1.16974	1.10588	1.00511	0.93892	1.12167	15.461	
69 Butylbenzylphthalate	0.78358	0.70563	0.73354	0.70492	0.67551	0.72066	5.658	
70 Benzo(a)anthracene	1.13263	0.97084	0.97415	0.95164	0.91834	0.98952	8.390	
3,3'-Dichlorobenzidine	0.46257	0.39342	0.40328	0.37302	0.37612	0.40168	9.022	
73 Chrysene	1.09931	1.00462	0.93823	0.87309	0.83776	0.95060	11.024	
74 bis(2-Ethylhexyl)phthalate	1.16124	1.01206	0.97003	0.84222	0.77909	0.95293	15.711	

Analytical Services Corp.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-94 09:45
End Cal Date : 21-DEC-94 13:17
Quant Method : ISTD
Cal Curve Type : Averaged
Target Version : Target 3.00
Integrator : HP RTE
Method file : /chem/aux/msb.i/b122194.b/bnaclpb.m
Cal Date : 21-Dec-1994 13:51

Compound	20 Level 1	50 Level 2	80 Level 3	120 Level 4	160 Level 5	___ RRF	% RSD/R^2
75 Di-n-octylphthalate	2.39663	1.96529	1.63588	1.28487	1.15019	1.68657	30.139
76 Benzo(b)fluoranthene	1.45395	1.08171	1.24483	1.14861	1.29629	1.24508	11.517
77 Benzo(k)fluoranthene	1.42450	1.45081	1.46758	1.37345	0.99320	1.34191	14.767
78 Benzo(a)pyrene	1.21012	1.13732	1.27262	1.15335	1.12605	1.17989	5.178
80 Indeno(1,2,3-cd)pyrene	1.24674	1.19681	1.31046	1.20992	1.28203	1.24919	3.823
[illegible] Dibenzo(a,h)anthracene	1.04782	1.01387	1.11317	1.01858	1.05048	1.04879	3.778
[illegible] Benzo(g,h,i)perylene	0.99309	1.01189	1.11034	1.00260	1.06819	1.03722	4.843
$ 3 2-Fluorophenol	1.04610	0.98518	1.07667	1.09869	1.05563	1.05245	4.059
$ 4 Phenol-d5	1.45278	1.29904	1.35490	1.32203	1.21669	1.32909	6.467
$ 7 2-Chlorobenzene-D4	1.17916	1.09557	1.13347	1.09421	0.99981	1.10044	6.007
$ 12 1,2-Dichlorobenzene-D4	0.85484	0.74006	0.74621	0.69575	0.58969	0.72531	13.206
$ 19 Nitrobenzene-d5	0.37509	0.32563	0.37152	0.36067	0.33975	0.35453	5.937
$ 37 2-Fluorobiphenyl	1.08581	0.96136	1.02215	0.99162	0.88243	0.98867	7.603
$ 56 2,4,6-Tribromophenol	0.17697	0.17792	0.19611	0.20674	0.20505	0.19256	7.468
$ 68 Terphenyl-d14	0.91202	0.77211	0.80045	0.75835	0.73680	0.79595	8.653

Data File: /chem/aux/msb.i/b1221a94.b/b5289.d
Report Date: 21-Dec-1994 23:37

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5289.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-DEC-94 23:00
Init. Calibration Date(s): 12/21/94 12/21/94
Init. Calibration Times: 09:45 13:17
Method File: /chem/aux/msb.i/b1221a94.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Pyridine	1.000	0.920	0.010	8.0	100.0
	2 N-Nitrosodimethylamine	0.666	0.612	0.010	8.2	100.0
S	3 2-Fluorophenol	1.052	1.004	0.600	4.6	25.0
S	4 Phenol-d5	1.329	1.294	0.800	2.7	25.0
	5 Phenol	1.452	1.431	0.800	1.4	25.0
	6 bis(2-Chloroethyl)ether	1.211	1.194	0.700	1.4	25.0
S	7 2-Chlorobenzene-D4	1.100	1.097	0.700	0.3	25.0
	8 2-Chlorophenol	1.142	1.121	0.800	1.9	25.0
	9 1,3-Dichlorobenzene	1.293	1.241	0.600	4.0	25.0
	11 1,4-Dichlorobenzene	1.337	1.311	0.500	1.9	25.0
S	12 1,2-Dichlorobenzene-D4	0.725	0.738	0.700	1.7	25.0
	13 1,2-Dichlorobenzene	1.178	1.180	0.400	0.2	25.0
	14 2-Methylphenol	1.146	1.119	0.700	2.3	25.0
	15 2,2'-oxybis(1-Chloropropene)	2.196	1.976	0.010	10.0	100.0
	16 4-Methylphenol	1.083	1.084	0.600	0.1	25.0
	17 N-Nitroso-di-n-propylamine	1.003	0.997	0.500	0.6	25.0
	18 Hexachloroethane	0.555	0.561	0.300	1.0	25.0
S	19 Nitrobenzene-d5	0.355	0.328	0.200	7.3	25.0
	20 Nitrobenzene	0.341	0.324	0.200	4.9	25.0
	21 Isophorone	0.716	0.663	0.400	7.4	25.0
	22 2-Nitrophenol	0.197	0.188	0.100	4.5	25.0
	23 2,4-Dimethylphenol	0.336	0.316	0.200	6.1	25.0
	24 bis(2-Chloroethoxy)methane	0.434	0.411	0.300	5.3	25.0
	25 2,4-Dichlorophenol	0.276	0.268	0.200	2.9	25.0
	26 1,2,4-Trichlorobenzene	0.289	0.280	0.200	3.1	25.0
	28 Naphthalene	0.757	0.832	0.700	10.0	25.0
	29 4-Chloroaniline	0.410	0.390	0.010	4.9	100.0
	30 Hexachlorobutadiene	0.158	0.144	0.010	9.3	100.0
	31 4-Chloro-3-methylphenol	0.313	0.297	0.200	5.0	25.0
	32 2-Methylnaphthalene	0.572	0.588	0.400	2.9	25.0
	33 1-Methylnaphthalene	1.959	1.977	0.010	0.9	100.0
	34 Hexachlorocyclopentadiene	0.225	0.200	0.010	11.4	100.0
	35 2,4,6-Trichlorophenol	0.330	0.317	0.200	4.1	25.0
	36 2,4,5-Trichlorophenol	0.387	0.354	0.200	8.5	25.0
S	37 2-Fluorobiphenyl	0.989	0.950	0.700	3.9	25.0
	38 2-Chloronaphthalene	0.921	0.876	0.800	4.9	25.0
	39 2-Nitroaniline	0.409	0.361	0.010	11.7	100.0
	40 Dimethylphthalate	1.227	1.179	0.010	3.9	100.0
	41 2,6-Dinitrotoluene	0.314	0.293	0.200	6.8	25.0
	42 Acenaphthylene	1.431	1.512	1.300	5.7	25.0

Data File: /chem/aux/msb.i/b1221a94.b/b5289.d
Report Date: 21-Dec-1994 23:37

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5289.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 21-DEC-94 23:00
Init. Calibration Date(s): 12/21/94 12/21/94
Init. Calibration Times: 09:45 13:17
Method File: /chem/aux/msb.i/b1221a94.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	43 3-Nitroaniline	0.337	0.321	0.010	4.8	100.0	
	45 Acenaphthene	0.939	0.893	0.800	5.0	25.0	
	46 2,4-Dinitrophenol	0.177	0.120	0.010	32.4	100.0	
	47 4-Nitrophenol	0.119	0.105	0.010	11.6	100.0	
	48 Dibenzofuran	1.281	1.294	0.800	1.0	25.0	
	49 2,4-Dinitrotoluene	0.458	0.415	0.200	9.3	25.0	
	50 Diethylphthalate	1.195	1.187	0.010	0.6	100.0	
	51 4-Chlorophenyl-phenylether	0.580	0.562	0.400	3.1	25.0	
	52 Fluorene	1.004	1.029	0.900	2.5	25.0	
	53 4-Nitroaniline	0.388	0.346	0.010	11.0	100.0	
	54 4,6-Dinitro-2-methylphenol	0.133	0.116	0.010	12.3	100.0	
	55 N-Nitrosodiphenylamine	0.446	0.423	0.010	5.4	100.0	
S	56 2,4,6-Tribromophenol	0.193	0.174	0.010	9.8	100.0	
	57 4-Bromophenyl-phenylether	0.204	0.194	0.100	4.7	25.0	
	58 Hexachlorobenzene	0.251	0.237	0.100	5.6	25.0	
	59 Pentachlorophenol	0.082	0.061	0.050	25.4	25.0	<-
	61 Phenanthrene	0.857	0.915	0.700	6.8	25.0	
	62 Anthracene	0.865	0.942	0.700	9.0	25.0	
	63 Carbazole	0.830	0.875	0.010	5.5	100.0	
	64 Di-n-butylphthalate	1.055	1.263	0.010	19.7	100.0	
	65 Fluoranthene	0.952	1.046	0.600	9.8	25.0	
	66 Benzidine	0.589	0.394	0.010	33.1	100.0	
	67 Pyrene	1.122	1.094	0.600	2.5	25.0	
S	68 Terphenyl-d14	0.796	0.700	0.500	12.0	25.0	
	69 Butylbenzylphthalate	0.721	0.652	0.010	9.5	100.0	
	70 Benzo(a)anthracene	0.990	0.881	0.800	10.9	25.0	
	72 3,3'-Dichlorobenzidine	0.402	0.358	0.010	11.0	100.0	
	73 Chrysene	0.951	0.861	0.700	9.4	25.0	
	74 bis(2-Ethylhexyl)phthalate	0.953	0.945	0.010	0.8	100.0	
	75 Di-n-octylphthalate	1.687	1.937	0.010	14.9	100.0	
	76 Benzo(b)fluoranthene	1.245	1.186	0.700	4.8	25.0	
	77 Benzo(k)fluoranthene	1.342	1.398	0.700	4.2	25.0	
	78 Benzo(a)pyrene	1.180	1.120	0.700	5.1	25.0	
	80 Indeno(1,2,3-cd)pyrene	1.249	1.105	0.500	11.6	25.0	
	81 Dibenzo(a,h)anthracene	1.049	0.963	0.400	8.2	25.0	
	82 Benzo(g,h,i)perylene	1.037	0.899	0.500	13.3	25.0	

Data File: /chem/aux/msb.i/b122294.b/b5308.d
Report Date: 22-Dec-1994 12:35

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5308.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 22-DEC-94 11:58
Init. Calibration Date(s): 12/21/94 12/21/94
Init. Calibration Times: 09:45 13:17
Method File: /chem/aux/msb.i/b122294.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Pyridine	1.000	1.014	0.010	1.4	100.0
	2 N-Nitrosodimethylamine	0.666	0.645	0.010	3.2	100.0
S	3 2-Fluorophenol	1.052	1.034	0.600	1.7	25.0
S	4 Phenol-d5	1.329	1.323	0.800	0.5	25.0
	5 Phenol	1.452	1.466	0.800	0.9	25.0
	6 bis(2-Chloroethyl)ether	1.211	1.214	0.700	0.2	25.0
S	7 2-Chlorobenzene-D4	1.100	1.118	0.700	1.6	25.0
	8 2-Chlorophenol	1.142	1.138	0.800	0.4	25.0
	9 1,3-Dichlorobenzene	1.293	1.273	0.600	1.5	25.0
	11 1,4-Dichlorobenzene	1.337	1.305	0.500	2.4	25.0
S	12 1,2-Dichlorobenzene-D4	0.725	0.752	0.700	3.7	25.0
	13 1,2-Dichlorobenzene	1.178	1.193	0.400	1.3	25.0
	14 2-Methylphenol	1.146	1.137	0.700	0.7	25.0
	15 2,2'-oxybis(1-Chloropropene)	2.196	2.025	0.010	7.7	100.0
	16 4-Methylphenol	1.083	1.058	0.600	2.4	25.0
	17 N-Nitroso-di-n-propylamine	1.003	1.006	0.500	0.3	25.0
	18 Hexachloroethane	0.555	0.585	0.300	5.4	25.0
S	19 Nitrobenzene-d5	0.355	0.324	0.200	8.5	25.0
	20 Nitrobenzene	0.341	0.325	0.200	4.7	25.0
	21 Isophorone	0.716	0.675	0.400	5.7	25.0
	22 2-Nitrophenol	0.197	0.192	0.100	2.3	25.0
	23 2,4-Dimethylphenol	0.336	0.319	0.200	5.1	25.0
	24 bis(2-Chloroethoxy)methane	0.434	0.421	0.300	3.1	25.0
	25 2,4-Dichlorophenol	0.276	0.276	0.200	0.1	25.0
	26 1,2,4-Trichlorobenzene	0.289	0.283	0.200	1.9	25.0
	28 Naphthalene	0.757	0.824	0.700	8.9	25.0
	29 4-Chloroaniline	0.410	0.400	0.010	2.5	100.0
	30 Hexachlorobutadiene	0.158	0.155	0.010	2.3	100.0
	31 4-Chloro-3-methylphenol	0.313	0.310	0.200	0.9	25.0
	32 2-Methylnaphthalene	0.572	0.596	0.400	4.2	25.0
	33 1-Methylnaphthalene	1.959	2.049	0.010	4.6	100.0
	34 Hexachlorocyclopentadiene	0.225	0.187	0.010	17.1	100.0
	35 2,4,6-Trichlorophenol	0.330	0.316	0.200	4.3	25.0
	36 2,4,5-Trichlorophenol	0.387	0.363	0.200	6.2	25.0
S	37 2-Fluorobiphenyl	0.989	0.966	0.700	2.3	25.0
	38 2-Chloronaphthalene	0.921	0.896	0.800	2.7	25.0
	39 2-Nitroaniline	0.409	0.384	0.010	6.2	100.0
	40 Dimethylphthalate	1.227	1.230	0.010	0.3	100.0
	41 2,6-Dinitrotoluene	0.314	0.304	0.200	3.4	25.0
	42 Acenaphthylene	1.431	1.518	1.300	6.1	25.0

Data File: /chem/aux/msb.i/b122294.b/b5308.d
Report Date: 22-Dec-1994 12:35

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5308.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 22-DEC-94 11:58
Init. Calibration Date(s): 12/21/94 12/21/94
Init. Calibration Times: 09:45 13:17
Method File: /chem/aux/msb.i/b122294.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	43 3-Nitroaniline	0.337	0.328	0.010	2.6	100.0	
	45 Acenaphthene	0.939	0.915	0.800	2.6	25.0	
	46 2,4-Dinitrophenol	0.177	0.119	0.010	32.8	100.0	
	47 4-Nitrophenol	0.119	0.108	0.010	8.9	100.0	
	48 Dibenzofuran	1.281	1.311	0.800	2.3	25.0	
	49 2,4-Dinitrotoluene	0.458	0.441	0.200	3.8	25.0	
	50 Diethylphthalate	1.195	1.235	0.010	3.4	100.0	
	51 4-Chlorophenyl-phenylether	0.580	0.571	0.400	1.7	25.0	
	52 Fluorene	1.004	1.065	0.900	6.0	25.0	
	53 4-Nitroaniline	0.388	0.345	0.010	11.2	100.0	
	54 4,6-Dinitro-2-methylphenol	0.133	0.116	0.010	12.2	100.0	
	55 N-Nitrosodiphenylamine	0.446	0.429	0.010	3.9	100.0	
S	56 2,4,6-Tribromophenol	0.193	0.186	0.010	3.5	100.0	
	57 4-Bromophenyl-phenylether	0.204	0.195	0.100	4.2	25.0	
	58 Hexachlorobenzene	0.251	0.238	0.100	5.2	25.0	
	59 Pentachlorophenol	0.082	0.062	0.050	23.7	25.0	
	61 Phenanthrene	0.857	0.921	0.700	7.5	25.0	
	62 Anthracene	0.865	0.934	0.700	8.0	25.0	
	63 Carbazole	0.830	0.879	0.010	5.9	100.0	
	64 Di-n-butylphthalate	1.055	1.245	0.010	18.1	100.0	
	65 Fluoranthene	0.952	1.032	0.600	8.4	25.0	
	66 Benzidine	0.589	0.398	0.010	32.4	100.0	
	67 Pyrene	1.122	1.202	0.600	7.2	25.0	
S	68 Terphenyl-d14	0.796	0.788	0.500	1.0	25.0	
	69 Butylbenzylphthalate	0.721	0.716	0.010	0.6	100.0	
	70 Benzo(a)anthracene	0.990	0.970	0.800	2.0	25.0	
	72 3,3'-Dichlorobenzidine	0.402	0.367	0.010	8.7	100.0	
	73 Chrysene	0.951	0.925	0.700	2.7	25.0	
	74 bis(2-Ethylhexyl)phthalate	0.953	1.027	0.010	7.8	100.0	
	75 Di-n-octylphthalate	1.687	2.373	0.010	40.7	100.0	
	76 Benzo(b)fluoranthene	1.245	1.388	0.700	11.5	25.0	
	77 Benzo(k)fluoranthene	1.342	1.503	0.700	12.0	25.0	
	78 Benzo(a)pyrene	1.180	1.220	0.700	3.4	25.0	
	80 Indeno(1,2,3-cd)pyrene	1.249	1.032	0.500	17.4	25.0	
	81 Dibenzo(a,h)anthracene	1.049	0.859	0.400	18.1	25.0	
	82 Benzo(g,h,i)perylene	1.037	0.777	0.500	25.1	25.0	<-

Data File: /chem/msb.i/b122894.b/b5327.d
Report Date: 28-Dec-1994 09:38

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5327.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 28-DEC-94 08:59
Init. Calibration Date(s): 12/21/94 12/21/94
Init. Calibration Times: 09:45 13:17
Method File: /chem/msb.i/b122894.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Pyridine	1.000	0.824	0.010	17.5	100.0
	2 N-Nitrosodimethylamine	0.666	0.533	0.010	20.0	100.0
S	3 2-Fluorophenol	1.052	0.915	0.600	13.0	25.0
S	4 Phenol-d5	1.329	1.250	0.800	6.0	25.0
	5 Phenol	1.452	1.398	0.800	3.7	25.0
	6 bis(2-Chloroethyl)ether	1.211	1.072	0.700	11.5	25.0
S	7 2-Chlorobenzene-D4	1.100	1.017	0.700	7.6	25.0
	8 2-Chlorophenol	1.142	1.043	0.800	8.7	25.0
	9 1,3-Dichlorobenzene	1.293	1.180	0.600	8.7	25.0
	11 1,4-Dichlorobenzene	1.337	1.235	0.500	7.7	25.0
S	12 1,2-Dichlorobenzene-D4	0.725	0.702	0.700	3.1	25.0
	13 1,2-Dichlorobenzene	1.178	1.143	0.400	2.9	25.0
	14 2-Methylphenol	1.146	1.084	0.700	5.4	25.0
	15 2,2'-oxybis(1-Chloropropene)	2.196	2.136	0.010	2.7	100.0
	16 4-Methylphenol	1.083	1.039	0.600	4.1	25.0
	17 N-Nitroso-di-n-propylamine	1.003	0.882	0.500	12.1	25.0
	18 Hexachloroethane	0.555	0.550	0.300	1.0	25.0
S	19 Nitrobenzene-d5	0.355	0.324	0.200	8.6	25.0
	20 Nitrobenzene	0.341	0.323	0.200	5.2	25.0
	21 Isophorone	0.716	0.652	0.400	9.0	25.0
	22 2-Nitrophenol	0.197	0.190	0.100	3.3	25.0
	23 2,4-Dimethylphenol	0.336	0.298	0.200	11.5	25.0
	24 bis(2-Chloroethoxy)methane	0.434	0.405	0.300	6.7	25.0
	25 2,4-Dichlorophenol	0.276	0.266	0.200	3.6	25.0
	26 1,2,4-Trichlorobenzene	0.289	0.286	0.200	0.9	25.0
	28 Naphthalene	0.757	0.796	0.700	5.2	25.0
	29 4-Chloroaniline	0.410	0.356	0.010	13.2	100.0
	30 Hexachlorobutadiene	0.158	0.152	0.010	4.3	100.0
	31 4-Chloro-3-methylphenol	0.313	0.300	0.200	4.1	25.0
	32 2-Methylnaphthalene	0.572	0.547	0.400	4.3	25.0
	33 1-Methylnaphthalene	1.959	1.976	0.010	0.9	100.0
	34 Hexachlorocyclopentadiene	0.225	0.252	0.010	11.7	100.0
	35 2,4,6-Trichlorophenol	0.330	0.318	0.200	3.6	25.0
	36 2,4,5-Trichlorophenol	0.387	0.372	0.200	3.9	25.0
S	37 2-Fluorobiphenyl	0.989	0.957	0.700	3.2	25.0
	38 2-Chloronaphthalene	0.921	0.876	0.800	4.9	25.0
	39 2-Nitroaniline	0.409	0.365	0.010	10.7	100.0
	40 Dimethylphthalate	1.227	1.117	0.010	8.9	100.0
	41 2,6-Dinitrotoluene	0.314	0.295	0.200	6.0	25.0
	42 Acenaphthylene	1.431	1.414	1.300	1.2	25.0

Data File: /chem/msb.i/b122894.b/b5327.d
Report Date: 28-Dec-1994 09:38

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5327.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 28-DEC-94 08:59
Init. Calibration Date(s): 12/21/94 12/21/94
Init. Calibration Times: 09:45 13:17
Method File: /chem/msb.i/b122894.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.337	0.285	0.010	15.5	100.0
	45 Acenaphthene	0.939	0.902	0.800	3.9	25.0
	46 2,4-Dinitrophenol	0.177	0.169	0.010	4.6	100.0
	47 4-Nitrophenol	0.119	0.119	0.010	0.1	100.0
	48 Dibenzofuran	1.281	1.248	0.800	2.6	25.0
	49 2,4-Dinitrotoluene	0.458	0.417	0.200	9.0	25.0
	50 Diethylphthalate	1.195	1.092	0.010	8.6	100.0
	51 4-Chlorophenyl-phenylether	0.580	0.547	0.400	5.7	25.0
	52 Fluorene	1.004	0.965	0.900	3.9	25.0
	53 4-Nitroaniline	0.388	0.346	0.010	10.9	100.0
	54 4,6-Dinitro-2-methylphenol	0.133	0.132	0.010	0.4	100.0
	55 N-Nitrosodiphenylamine	0.446	0.391	0.010	12.5	100.0
$	56 2,4,6-Tribromophenol	0.193	0.182	0.010	5.4	100.0
	57 4-Bromophenyl-phenylether	0.204	0.186	0.100	8.7	25.0
	58 Hexachlorobenzene	0.251	0.233	0.100	7.2	25.0
	59 Pentachlorophenol	0.082	0.068	0.050	16.3	25.0
	61 Phenanthrene	0.857	0.853	0.700	0.4	25.0
	62 Anthracene	0.865	0.854	0.700	1.2	25.0
	63 Carbazole	0.830	0.817	0.010	1.6	100.0
	64 Di-n-butylphthalate	1.055	1.123	0.010	6.5	100.0
	65 Fluoranthene	0.952	0.975	0.600	2.4	25.0
	66 Benzidine	0.589	0.451	0.010	23.5	100.0
	67 Pyrene	1.122	1.165	0.600	3.9	25.0
$	68 Terphenyl-d14	0.796	0.830	0.500	4.3	25.0
	69 Butylbenzylphthalate	0.721	0.705	0.010	2.2	100.0
	70 Benzo(a)anthracene	0.990	0.994	0.800	0.5	25.0
	72 3,3'-Dichlorobenzidine	0.402	0.359	0.010	10.5	100.0
	73 Chrysene	0.951	0.865	0.700	9.1	25.0
	74 bis(2-Ethylhexyl)phthalate	0.953	0.995	0.010	4.4	100.0
	75 Di-n-octylphthalate	1.687	1.701	0.010	0.9	100.0
	76 Benzo(b)fluoranthene	1.245	1.146	0.700	8.0	25.0
	77 Benzo(k)fluoranthene	1.342	1.255	0.700	6.5	25.0
	78 Benzo(a)pyrene	1.180	1.048	0.700	11.2	25.0
	80 Indeno(1,2,3-cd)pyrene	1.249	1.149	0.500	8.0	25.0
	81 Dibenzo(a,h)anthracene	1.049	0.919	0.400	12.3	25.0
	82 Benzo(g,h,i)perylene	1.037	0.943	0.500	9.1	25.0

Data File: /chem/msb.i/b123094.b/b5355.d
Report Date: 30-Dec-1994 07:43

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5355.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 30-DEC-94 07:04
Init. Calibration Date(s): 12/21/94 12/21/94
Init. Calibration Times: 09:45 13:17
Method File: /chem/msb.i/b123094.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Pyridine	1.000	0.848	0.010	15.2	100.0
	2 N-Nitrosodimethylamine	0.666	0.539	0.010	19.2	100.0
$	3 2-Fluorophenol	1.052	0.946	0.600	10.2	25.0
$	4 Phenol-d5	1.329	1.255	0.800	5.6	25.0
	5 Phenol	1.452	1.441	0.800	0.8	25.0
	6 bis(2-Chloroethyl)ether	1.211	1.066	0.700	12.0	25.0
$	7 2-Chlorobenzene-D4	1.100	1.017	0.700	7.5	25.0
	8 2-Chlorophenol	1.142	1.050	0.800	8.1	25.0
	9 1,3-Dichlorobenzene	1.293	1.202	0.600	7.0	25.0
	11 1,4-Dichlorobenzene	1.337	1.227	0.500	8.3	25.0
$	12 1,2-Dichlorobenzene-D4	0.725	0.800	0.700	10.3	25.0
	13 1,2-Dichlorobenzene	1.178	1.135	0.400	3.6	25.0
	14 2-Methylphenol	1.146	1.043	0.700	9.0	25.0
	15 2,2'-oxybis(1-Chloropropene)	2.196	2.065	0.010	6.0	100.0
	16 4-Methylphenol	1.083	1.017	0.600	6.1	25.0
	17 N-Nitroso-di-n-propylamine	1.003	0.876	0.500	12.7	25.0
	18 Hexachloroethane	0.555	0.545	0.300	1.8	25.0
$	19 Nitrobenzene-d5	0.355	0.343	0.200	3.4	25.0
	20 Nitrobenzene	0.341	0.345	0.200	1.3	25.0
	21 Isophorone	0.716	0.700	0.400	2.3	25.0
	22 2-Nitrophenol	0.197	0.196	0.100	0.6	25.0
	23 2,4-Dimethylphenol	0.336	0.314	0.200	6.5	25.0
	24 bis(2-Chloroethoxy)methane	0.434	0.418	0.300	3.7	25.0
	25 2,4-Dichlorophenol	0.276	0.271	0.200	1.9	25.0
	26 1,2,4-Trichlorobenzene	0.289	0.308	0.200	6.7	25.0
	28 Naphthalene	0.757	0.814	0.700	7.5	25.0
	29 4-Chloroaniline	0.410	0.373	0.010	9.0	100.0
	30 Hexachlorobutadiene	0.158	0.165	0.010	4.3	100.0
	31 4-Chloro-3-methylphenol	0.313	0.315	0.200	0.7	25.0
	32 2-Methylnaphthalene	0.572	0.563	0.400	1.5	25.0
	33 1-Methylnaphthalene	1.959	1.888	0.010	3.6	100.0
	34 Hexachlorocyclopentadiene	0.225	0.218	0.010	3.4	100.0
	35 2,4,6-Trichlorophenol	0.330	0.353	0.200	6.8	25.0
	36 2,4,5-Trichlorophenol	0.387	0.400	0.200	3.2	25.0
$	37 2-Fluorobiphenyl	0.989	0.969	0.700	2.0	25.0
	38 2-Chloronaphthalene	0.921	0.909	0.800	1.4	25.0
	39 2-Nitroaniline	0.409	0.380	0.010	7.1	100.0
	40 Dimethylphthalate	1.227	1.151	0.010	6.2	100.0
	41 2,6-Dinitrotoluene	0.314	0.311	0.200	1.2	25.0
	42 Acenaphthylene	1.431	1.416	1.300	1.1	25.0

Data File: /chem/msb.i/b123094.b/b5355.d
Report Date: 30-Dec-1994 07:43

Analytical Services Corp.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msb.i
Lab File ID: b5355.d
Analysis Type: WATER
Lab Sample ID:
Quant Type: ISTD

Injection Date: 30-DEC-94 07:04
Init. Calibration Date(s): 12/21/94 12/21/94
Init. Calibration Times: 09:45 13:17
Method File: /chem/msb.i/b123094.b/bnaclpb.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	43 3-Nitroaniline	0.337	0.304	0.010	9.8	100.0
	45 Acenaphthene	0.939	0.930	0.800	1.0	25.0
	46 2,4-Dinitrophenol	0.177	0.164	0.010	7.1	100.0
	47 4-Nitrophenol	0.119	0.140	0.010	17.9	100.0
	48 Dibenzofuran	1.281	1.283	0.800	0.1	25.0
	49 2,4-Dinitrotoluene	0.458	0.438	0.200	4.4	25.0
	50 Diethylphthalate	1.195	1.160	0.010	2.9	100.0
	51 4-Chlorophenyl-phenylether	0.580	0.569	0.400	2.0	25.0
	52 Fluorene	1.004	1.006	0.900	0.1	25.0
	53 4-Nitroaniline	0.388	0.370	0.010	4.5	100.0
	54 4,6-Dinitro-2-methylphenol	0.133	0.128	0.010	3.4	100.0
	55 N-Nitrosodiphenylamine	0.446	0.388	0.010	13.0	100.0
S	56 2,4,6-Tribromophenol	0.193	0.195	0.010	1.4	100.0
	57 4-Bromophenyl-phenylether	0.204	0.190	0.100	6.8	25.0
	58 Hexachlorobenzene	0.251	0.251	0.100	0.1	25.0
	59 Pentachlorophenol	0.082	0.080	0.050	2.5	25.0
	61 Phenanthrene	0.857	0.854	0.700	0.4	25.0
	62 Anthracene	0.865	0.853	0.700	1.3	25.0
	63 Carbazole	0.830	0.813	0.010	2.0	100.0
	64 Di-n-butylphthalate	1.055	1.255	0.010	19.0	100.0
	65 Fluoranthene	0.952	0.994	0.600	4.4	25.0
	66 Benzidine	0.589	0.400	0.010	32.1	100.0
	67 Pyrene	1.122	1.146	0.600	2.1	25.0
S	68 Terphenyl-d14	0.796	0.796	0.500	0.1	25.0
	69 Butylbenzylphthalate	0.721	0.687	0.010	4.7	100.0
	70 Benzo(a)anthracene	0.990	0.971	0.800	1.9	25.0
	72 3,3'-Dichlorobenzidine	0.402	0.372	0.010	7.3	100.0
	73 Chrysene	0.951	0.834	0.700	12.2	25.0
	74 bis(2-Ethylhexyl)phthalate	0.953	0.993	0.010	4.3	100.0
	75 Di-n-octylphthalate	1.687	1.988	0.010	17.9	100.0
	76 Benzo(b)fluoranthene	1.245	1.426	0.700	14.5	25.0
	77 Benzo(k)fluoranthene	1.342	1.038	0.700	22.7	25.0
	78 Benzo(a)pyrene	1.180	1.079	0.700	8.5	25.0
	80 Indeno(1,2,3-cd)pyrene	1.249	1.127	0.500	9.8	25.0
	81 Dibenzo(a,h)anthracene	1.049	0.900	0.400	14.2	25.0
	82 Benzo(g,h,i)perylene	1.037	0.894	0.500	13.8	25.0

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 08A/B

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	10110.0	9271.00	91.7	4970.0	5039.00	101.4	5050.00	101.6	P
Antimony	5174.0	4828.00	93.3	2600.0	2600.00	100.0	2640.00	101.5	P
Arsenic	32.8	33.22	101.3	20.5	19.16	93.5	16.76	81.8	F
Barium	9875.0	9287.00	94.0	4940.0	4790.00	97.0	4840.00	98.0	P
Beryllium	243.7	238.40	97.8	122.0	125.00	102.5	129.00	105.7	P
Cadmium	2569.0	2412.00	93.9	1320.0	1380.00	104.5	1410.00	106.8	P
Calcium	25490.0	24610.00	96.5	12900.0	13600.00	105.4	14000.00	108.5	P
Chromium	1055.0	1003.00	95.1	543.0	535.00	98.5	558.00	102.8	P
Cobalt	2528.0	2394.00	94.7	1290.0	1310.00	101.6	1340.00	103.9	P
Copper	1313.0	1220.00	92.9	691.0	690.00	99.9	692.00	100.1	P
Iron	5033.0	4851.00	96.4	2540.0	2590.00	102.0	2653 ~~265.00~~	104 ~~10.4~~	P
Lead	5292.0	4908.00	92.7	2630.0	2630.00	100.0	2760.00	104.9	P
Magnesium	25400.0	23750.00	93.5	12800.0	12900.00	100.8	13100.00	102.3	P
Manganese	2585.0	2411.00	93.3	1260.0	1310.00	104.0	1330.00	105.6	P
Mercury	5.0	5.52	110.4	5.0	5.34	106.8	5.14	102.8	CV
Nickel	2518.0	2365.00	93.9	1270.0	1310.00	103.1	1330.00	104.7	P
Potassium	25910.0	20240.00	78.1	13300.0	11800.00	88.7	12300.00	92.5	P
Selenium									F
Silver	1367.0	1291.00	94.4	944.0	946.50	100.3	960.00	101.7	P
Sodium	23370.0	19740.00	84.5	12400.0	10900.00	87.9	11300.00	91.1	P
Thallium	35.0	34.77	99.3	25.0	25.94	103.8	26.31	105.2	F
Vanadium	5055.0	4811.00	95.2	2500.0	2510.00	100.4	2570.00	102.8	P
Zinc	2514.0	2359.00	93.8	1310.0	1310.00	100.0	1340.00	102.3	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 08A/B

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic				20.5	19.89	97.0	20.19	98.5	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium				25.0	26.76	107.0	28.02	112.1	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 08A/B

Initial Calibration Source: APG

Continuing Calibration Source: APG

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	39.1	39.36	100.7	23.5	21.66	92.2	20.38	86.7	F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-06

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	9852.0	9894.00	100.4	4920.0	5225.00	106.2	4878.00	99.1	P
Antimony	5056.0	4988.00	98.7	2580.0	2555.00	99.0	2422.00	93.9	P
Arsenic	4869.0	4999.00	102.7	2540.0	2395.00	94.3	2386.00	93.9	P
Barium	9555.0	9796.00	102.5	4790.0	5014.00	104.7	5014.00	104.7	P
Beryllium	285.8	282.70	98.9	103.0	102.50	99.5	102.30	99.3	P
Cadmium	2512.0	2506.00	99.8	1330.0	1258.00	94.6	1241.00	93.3	P
Calcium	248500.0	250500.00	100.8	12500.0	12540.00	100.3	12250.00	98.0	P
Chromium	999.4	1016.00	101.7	530.0	523.40	98.8	527.60	99.5	P
Cobalt	2278.0	2295.00	100.7	1300.0	1263.00	97.2	1247.00	95.9	P
Copper	1250.0	1267.00	101.4	632.0	676.40	107.0	628.80	99.5	P
Iron	4869.0	4941.00	101.5	2480.0	2588.00	104.4	2496.00	100.6	P
Lead	5024.0	5008.00	99.7	2580.0	2440.00	94.6	2456.00	95.2	P
Magnesium	24930.0	24800.00	99.5	12500.0	12520.00	100.2	12190.00	97.5	P
Manganese	2278.0	2295.00	100.7	1290.0	1244.00	96.4	1242.00	96.3	P
Mercury									
Nickel	2452.0	2450.00	99.9	1290.0	1257.00	97.4	1250.00	96.9	P
Potassium	249200.0	249600.00	100.2	12400.0	11780.00	95.0	14220.00	114.7	P
Selenium									
Silver	1015.0	992.80	97.8	679.0	681.90	100.4	688.70	101.4	P
Sodium	228300.0	240600.00	105.4	11400.0	12600.00	110.5	11870.00	104.1	P
Thallium									
Vanadium	4921.0	4981.00	101.2	2470.0	2491.00	100.9	2478.00	100.3	P
Zinc	2475.0	2449.00	98.9	1320.0	1230.00	93.2	1230.00	93.2	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-06

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic	32.8	33.10	100.9	20.5	21.06	102.7	23.41	114.2	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-06

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic				20.5	21.17	103.3	19.35	94.4	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-06

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic				20.5	17.73	86.5	19.43	94.8	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-9

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	35.0	32.60	93.1	20.0	21.00	105.0	19.90	99.5	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-97

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium				20.0	17.40	87.0	18.50	92.5	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-97

Initial Calibration Source: APG

Continuing Calibration Source: APG

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	39.2	41.26	105.3	23.5	21.18	90.3	20.80	88.7	F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	9852.0	9894.00	100.4	4920.0	5230.00	106.3	4880.00	99.2	P
Antimony	5056.0	4988.00	98.7	2580.0	2550.00	98.8	2420.00	93.8	P
Arsenic	4869.0	4999.00	102.7	2540.0	2400.00	94.5	2350.00	92.5	P
Barium	9555.0	9796.00	102.5	4790.0	5010.00	104.6	5010.00	104.6	P
Beryllium	285.8	282.70	98.9	103.0	103.00	100.0	102.00	99.0	P
Cadmium	2512.0	2506.00	99.8	1330.0	1260.00	94.7	1240.00	93.2	P
Calcium	24850.0	25050.00	100.8	12500.0	12500.00	100.0	12300.00	98.4	P
Chromium	999.4	1016.00	101.7	530.0	523.00	98.7	528.00	99.6	P
Cobalt	2278.0	2295.00	100.7	1300.0	1260.00	96.9	1250.00	96.2	P
Copper	1250.0	1267.00	101.4	632.0	676.00	107.0	629.00	99.5	P
Iron	4869.0	4941.00	101.5	2480.0	2590.00	104.4	2500.00	100.8	P
Lead	5024.0	5008.00	99.7	2580.0	2440.00	94.6	2460.00	95.3	P
Magnesium	24930.0	24800.00	99.5	12500.0	12500.00	100.0	12200.00	97.6	P
Manganese	2455.0	2478.00	100.9	1290.0	1240.00	96.1	1240.00	96.1	P
Mercury	5.0	4.67	93.4	5.0	4.53	90.6	4.50	90.0	CV
Nickel	2452.0	2450.00	99.9	1290.0	1260.00	97.7	1250.00	96.9	P
Potassium	24920.0	24960.00	100.2	12400.0	11800.00	95.2	14200.00	114.5	P
Selenium									F
Silver	1015.0	992.80	97.8	689.0	682.00	99.0	689.00	100.0	P
Sodium	22830.0	24060.00	105.4	11400.0	12600.00	110.5	11900.00	104.4	P
Thallium									F
Vanadium	4921.0	4981.00	101.2	2470.0	2490.00	100.8	2480.00	100.4	P
Zinc	2475.0	2449.00	98.9	1320.0	1260.00	95.5	1230.00	93.2	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic	32.8	33.15	101.1	20.5	20.75	101.2	20.68	100.9	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

5605

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic				20.5	23.09	112.6	22.52	109.9	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

5605

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

Initial Calibration Source: APG

Continuing Calibration Source: APG

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	39.2	39.07	99.7	23.5	21.37	91.1	22.97	98.0	F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

Initial Calibration Source: APG

Continuing Calibration Source: APG

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				23.5	22.27	95.0	20.48	87.3	F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

5605 #2

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	35.0	36.60	104.6	20.0	21.20	106.0	21.70	108.5	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium				20.0	21.20	106.0	21.40	107.0	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium				20.0	22.80	114.0			F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ANALYTICAL SERVICES CORPORATION

Contract: NEESA

Lab Code: NA

Case No.: NA

SAS No.: NA

SDG No.: ~~A0193-2~~ A0155-19

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	9852.0	9706.00	98.5	4920.0	5066.00	103.0	4876.00	99.1	P
Antimony	5056.0	4987.00	98.6	2580.0	2659.00	103.1	2535.00	98.3	P
Arsenic	32.8	33.07	100.8	20.5	21.08	102.8	21.38	104.3	F
Barium	9555.0	9651.00	101.0	4790.0	5015.00	104.7	4875.00	101.8	P
Beryllium	285.8	286.20	100.1	103.0	107.10	104.0	103.30	100.3	P
Cadmium	2512.0	2534.00	100.9	1330.0	1394.00	104.8	1368.00	102.9	P
Calcium	24850.0	24670.00	99.3	12500.0	12990.00	103.9	12550.00	100.4	P
Chromium	999.4	1013.00	101.4	530.0	558.60	105.4	537.60	101.4	P
Cobalt	2278.0	2278.00	100.0	1300.0	1343.00	103.3	1294.00	99.5	P
Copper	1250.0	1228.00	98.2	632.0	649.50	102.8	630.00	99.7	P
Iron	4869.0	4824.00	99.1	2480.0	2639.00	106.4	2522.00	101.7	P
Lead	5024.0	5142.00	102.3	2580.0	2747.00	106.5	2645.00	102.5	P
Magnesium	24930.0	25620.00	102.8	12500.0	13480.00	107.8	12900.00	103.2	P
Manganese	2455.0	2511.00	102.3	1290.0	1361.00	105.5	1318.00	102.2	P
Mercury	5.0	5.21	104.2	5.0	5.11	102.2	5.10	102.0	CV
Nickel	2452.8	2463.00	100.4	1290.0	1356.00	105.1	1306.00	101.2	P
Potassium	24920.0	24750.00	99.3	12400.0	13100.00	105.6	11800.00	95.2	P
Selenium									
Silver	1015.0	975.50	96.1	679.0	704.00	103.7	671.30	98.9	P
Sodium	22830.0	24140.00	105.7	11400.0	12710.00	111.5	12170.00	106.8	P
Thallium									
Vanadium	4922.0	4959.00	100.8	2470.0	2581.00	104.5	2495.00	101.0	P
Zinc	2475.0	2459.00	99.4	1320.0	1353.00	102.5	1303.00	98.7	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-18

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	35.0	39.00	111.4	20.0	22.50	112.5			F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Found	%R(1)	M
Aluminum	9852.0	10140.00	102.9	5060.0	5086.00	100.5	5037.00	99.5	P
Antimony	5056.0	5253.00	103.9	2610.0	2614.00	100.2	2608.00	99.9	P
Arsenic	32.8	30.74	93.7	20.5	20.95	102.2	18.67	91.1	F
Barium	9555.0	9901.00	103.6	4890.0	4973.00	101.7	4932 ~~493.20~~	101 ~~10.1~~	P
Beryllium	285.8	290.10	101.5	127.0	127.70	100.6	126.80	99.8	P
Cadmium	2512.0	2608.00	103.8	1370.0	1349.00	98.5	1341.00	97.9	P
Calcium	24850.0	25330.00	101.9	12700.0	12670.00	99.8	12410.00	97.7	P
Chromium	999.4	1038.00	103.9	494.0	498.40	100.9	496.70	100.5	P
Cobalt	2278.0	2375.00	104.3	1310.0	1327.00	101.3	1319.00	100.7	P
Copper	1250.0	1277.00	102.2	672.0	662.90	98.6	664.60	98.9	P
Iron	4869.0	5053.00	103.8	2530.0	2577.00	101.9	2576.00	101.8	P
Lead	5024.0	5269.00	104.9	2700.0	2686.00	99.5	2679.00	99.2	F
Magnesium	24930.0	24930.00	100.0	12900.0	12940.00	100.3	12890.00	99.9	P
Manganese	2455.0	2455.00	100.0	1360.0	1294.00	95.1	1284.00	94.4	P
Mercury	5.0	4.48	89.6	5.0	5.10	102.0			CV
Nickel	2452.0	2540.00	103.6	1320.0	1319.00	99.9	1312.00	99.4	P
Potassium	24920.0	26030.00	104.5	12300.0	12920.00	105.0	12640.00	102.8	P
Selenium									F
Silver	1015.0	1035.00	102.0	471.0	463.40	98.4	466.10	99.0	P
Sodium	22830.0	23490.00	102.9	12000.0	11870.00	98.9	11930.00	99.4	P
Thallium									F
Vanadium	4921.0	5075.00	103.1	2540.0	2551.00	100.4	2542.00	100.1	P
Zinc	2475.0	2527.00	102.1	1340.0	1312.00	97.9	1307.00	97.5	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-104

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Found	%R(1)	M
Aluminum				5060.0	5425.00	107.2			P
Antimony				2610.0	2784.00	106.7			P
Arsenic				20.5	22.28	108.7	17.90	87.3	F
Barium				4890.0	5289.00	108.2			P
Beryllium				127.0	135.70	106.9			P
Cadmium				1370.0	1464.00	106.9			P
Calcium				12700.0	13410.00	105.6			P
Chromium				494.0	533.30	108.0			P
Cobalt				1310.0	1420.00	108.4			P
Copper				672.0	721.10	107.3			P
Iron				2530.0	2734.00	108.1			P
Lead				2700.0	2915.00	108.0			F
Magnesium				12900.0	13990.00	108.4			P
Manganese				1360.0	1393.00	102.4			P
Mercury									CV
Nickel				1320.0	1420.00	107.6			P
Potassium				12300.0	13810.00	112.3			P
Selenium									F
Silver				471.0	500.50	106.3			P
Sodium				12000.0	12770.00	106.4			P
Thallium									F
Vanadium				2540.0	2734.00	107.6			P
Zinc				1340.0	1400.00	104.5			P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-104

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	35.0	38.00	108.6	20.0	22.60	113.0	22.30	111.5	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ANALYTICAL SERVICES CORPORATION

Contract: NEESA

Lab Code: NA

Case No.: NA

SAS No.: NA

SDG No.: A01SS-3

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	9852.0	10160.00	103.1	4920.0	5082.00	103.3	5174.00	105.2	P
Antimony	5056.0	5246.00	103.8	2580.0	2715.00	105.2	2688.00	104.2	P
Arsenic	32.8	31.19	95.1	20.5	19.54	95.3	19.57	95.5	F
Barium	9555.0	9479.00	99.2	4790.0	4748.00	99.1	1762.00	36.8	P
Beryllium	285.8	287.20	100.5	103.0	103.60	100.6	104.20	101.2	P
Cadmium	2512.0	2606.00	103.7	1330.0	1380.00	103.8	1396.00	105.0	P
Calcium	24850.0	25690.00	103.4	12500.0	12750.00	102.0	12880.00	103.0	P
Chromium	999.4	1032.00	103.3	530.0	544.80	102.8	548.80	103.5	P
Cobalt	2278.0	2359.00	103.6	1300.0	1332.00	102.5	1338.00	102.9	P
Copper	1250.0	1260.00	100.8	632.0	640.40	101.3	644.40	102.0	P
Iron	4869.0	5039.00	103.5	2480.0	2563.00	103.3	2744.00	110.6	P
Lead	35.3	37.80	107.1	21.2	22.92	108.1			F
Magnesium	24930.0	25260.00	101.3	12500.0	13080.00	104.6	13270.00	106.2	P
Manganese	2455.0	2512.00	102.3	1290.0	1324.00	102.6	1308.00	101.4	P
Mercury	5.0	5.05	101.1	5.0	4.94	98.8			CV
Nickel	2452.8	2539.00	103.5	1290.0	1336.00	103.6	1343.00	104.1	P
Potassium	24920.0	25510.00	102.4	12400.0	12210.00	98.5	12630.00	101.9	P
Selenium									
Silver	1015.0	936.50	92.3	679.0	698.30	102.8	702.30	103.4	P
Sodium	22830.0	23390.00	102.5	11400.0	11870.00	104.1	11980.00	105.1	P
Thallium									
Vanadium	4921.5	5007.00	101.7	2470.0	2503.00	101.3	2517.00	101.9	P
Zinc	2475.0	2579.00	104.2	1320.0	1363.00	103.3	1375.00	104.2	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ANALYTICAL SERVICES CORPORATION

Contract: NEESA

Lab Code: NA

Case No.: NA

SAS No.: NA

SDG No.: A01SS-3

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	9852.0	10010.00	101.6	5060.0	5123.00	101.2	5155.00	101.9	P
Antimony	5056.0	5244.00	103.7	2610.0	2668.00	102.2	2673.00	102.4	P
Arsenic	32.8	33.37	101.7	20.5	20.46	99.8	20.05	97.8	F
Barium	9555.0	9935.00	104.0	4890.0	5102.00	104.3	5140.00	105.1	P
Beryllium	285.8	296.10	103.6	127.0	132.80	104.6	133.30	105.0	P
Cadmium	2512.0	2614.00	104.1	1370.0	1385.00	101.1	1403.00	102.4	P
Calcium	24850.0	26010.00	104.7	12700.0	12920.00	101.7	13140.00	103.5	P
Chromium	999.4	1044.00	104.5	494.0	509.80	103.2	514.20	104.1	P
Cobalt	2278.0	2380.00	104.5	1310.0	1357.00	103.6	1370.00	104.6	P
Copper	1250.0	1276.00	102.1	672.0	673.40	100.2	674.00	100.3	P
Iron	4869.0	5107.00	104.9	2530.0	2729.00	107.9	2816.00	111.3	P
Lead	5024.0	5305.00	105.6	2700.0	2753.00	102.0	2784.00	103.1	P
Magnesium	24930.0	26150.00	104.9	12900.0	13300.00	103.1	13510.00	104.7	P
Manganese	2455.0	2552.00	104.0	1360.0	1310.00	96.3	1330.00	97.8	P
Mercury	5.0	5.26	105.2	5.0	5.10	102.0			CV
Nickel	2452.8	2546.00	103.8	1320.0	1357.00	102.8	1369.00	103.7	P
Potassium	24920.0	26100.00	104.7	12300.0	13190.00	107.2	13030.00	105.9	P
Selenium									
Silver	1015.0	1074.00	105.8	399.0	459.10	115.1	459.50	115.2	P
Sodium	22830.0	23380.00	102.4	12000.0	12050.00	100.4	12110.00	100.9	P
Thallium									
Vanadium	4921.5	5091.00	103.4	2540.0	2615.00	103.0	2635.00	103.7	P
Zinc	2475.0	2596.00	104.9	1340.0	1367.00	102.0	1389.00	103.7	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-3

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				5060.0	5011.00	99.0			P
Antimony				2610.0	2587.00	99.1			P
Arsenic				20.5	20.55	100.2			F
Barium				4890.0	5011.00	102.5			P
Beryllium				127.0	129.80	102.2			P
Cadmium				1370.0	1357.00	99.1			P
Calcium				12700.0	12670.00	99.8			P
Chromium				494.0	497.50	100.7			P
Cobalt				1310.0	1322.00	100.9			P
Copper				672.0	660.40	98.3			P
Iron				2530.0	2688.00	106.2			P
Lead				2700.0	2696.00	99.9			P
Magnesium				12900.0	13050.00	101.2			P
Manganese				1360.0	1278.00	94.0			P
Mercury				5.0					CV
Nickel				1320.0	1320.00	100.0			P
Potassium				12300.0	13010.00	105.8			P
Selenium									
Silver				399.0	450.60	112.9			P
Sodium				12000.0	11830.00	98.6			P
Thallium									
Vanadium				2540.0	2556.00	100.6			P
Zinc				1340.0	1336.00	99.7			P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-3

Initial Calibration Source: APG

Continuing Calibration Source: APG

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	39.2	41.44	105.7	23.5	21.34	91.0	19.96	85.1	F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-18

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	9852.0	10140.00	102.9	5060.0	5086.00	100.5	5037.00	99.5	P
Antimony	5056.0	5253.00	103.9	2610.0	2614.00	100.2	2608.00	99.9	P
Arsenic	32.8	30.74	93.7	20.5	20.95	102.2	18.67	91.1	F
Barium	9555.0	9901.00	103.6	4890.0	4973.00	101.7	493.20	10.1	P
Beryllium	285.8	290.10	101.5	127.0	127.70	100.6	126.80	99.8	P
Cadmium	2512.0	2608.00	103.8	1370.0	1349.00	98.5	1341.00	97.9	P
Calcium	24850.0	25330.00	101.9	12700.0	12670.00	99.8	12410.00	97.7	P
Chromium	999.4	1038.00	103.9	494.0	498.40	100.9	496.70	100.5	P
Cobalt	2278.0	2375.00	104.3	1310.0	1327.00	101.3	1319.00	100.7	P
Copper	1250.0	1277.00	102.2	672.0	662.90	98.6	664.60	98.9	P
Iron	4869.0	5053.00	103.8	2530.0	2577.00	101.9	2576.00	101.8	P
Lead	5024.0	5269.00	104.9	2700.0	2686.00	99.5	2679.00	99.2	F
Magnesium	24930.0	24930.00	100.0	12900.0	12940.00	100.3	12890.00	99.9	P
Manganese	2455.0	2455.00	100.0	1360.0	1294.00	95.1	1284.00	94.4	P
Mercury	5.0	4.48	89.6	5.0	5.10	102.0	4.24	84.8	CV
Nickel	2452.0	2540.00	103.6	1320.0	1319.00	99.9	1312.00	99.4	P
Potassium	24920.0	26030.00	104.5	12300.0	12920.00	105.0	12640.00	102.8	P
Selenium									F
Silver	1015.0	1035.00	102.0	471.0	463.40	98.4	466.10	99.0	P
Sodium	22830.0	23490.00	102.9	12000.0	11870.00	98.9	11930.00	99.4	P
Thallium									F
Vanadium	4921.0	5075.00	103.1	2540.0	2551.00	100.4	2542.00	100.1	P
Zinc	2475.0	2527.00	102.1	1340.0	1312.00	97.9	1307.00	97.5	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-18

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				5060.0	5425.00	107.2			P
Antimony				2610.0	2784.00	106.7			P
Arsenic				20.5	22.28	108.7	17.90	87.3	F
Barium				4890.0	5289.00	108.2			P
Beryllium				127.0	135.70	106.9			P
Cadmium				1370.0	1464.00	106.9			P
Calcium				12700.0	13410.00	105.6			P
Chromium				494.0	533.30	108.0			P
Cobalt				1310.0	1420.00	108.4			P
Copper				672.0	721.10	107.3			P
Iron				2530.0	2734.00	108.1			P
Lead				2700.0	2915.00	108.0			F
Magnesium				12900.0	13990.00	108.4			P
Manganese				1360.0	1393.00	102.4			P
Mercury									CV
Nickel				1320.0	1420.00	107.6			P
Potassium				12300.0	13810.00	112.3			P
Selenium									F
Silver				471.0	500.50	106.3			P
Sodium				12000.0	12770.00	106.4			P
Thallium									F
Vanadium				2540.0	2734.00	107.6			P
Zinc				1340.0	1400.00	104.5			P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-18

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	35.0	38.00	108.6	20.0	22.60	113.0	22.30	111.5	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A02SS-74

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	9852.0	10100.00	102.5	5270.0	5122.00	97.2	5383.00	102.1	P
Antimony	5056.0	5162.00	102.1	2770.0	2672.00	96.5	2647.00	95.6	P
Arsenic	32.8	29.96	91.3	20.5	20.23	98.7	19.43	94.8	F
Barium	9555.0	9936.00	104.0	5180.0	5162.00	99.7	5207.00	100.5	P
Beryllium	285.8	289.70	101.4	528.0	515.10	97.6	515.60	97.7	P
Cadmium	2512.0	2578.00	102.6	1350.0	1310.00	97.0	1313.00	97.3	P
Calcium	24850.0	25610.00	103.1	11840.0	11350.00	95.9	11620.00	98.1	P
Chromium	999.4	1026.00	102.7	514.0	526.50	102.4	529.60	103.0	P
Cobalt	2278.0	2338.00	102.6	1340.0	1285.00	95.9	1287.00	96.0	P
Copper	1250.0	1259.00	100.7	637.0	623.70	97.9	625.00	98.1	P
Iron	4869.0	5026.00	103.2	2750.0	2716.00	98.8	3194.00	116.1	P
Lead	5024.0	5187.00	103.2	3080.0	2941.00	95.5	2947.00	95.7	P
Magnesium	24930.0	25580.00	102.6	12700.0	12370.00	97.4	12480.00	98.3	P
Manganese	2455.0	2513.00	102.4	1340.0	1274.00	95.1	1300.00	97.0	P
Mercury	5.0	4.80	96.0	5.0	4.63	92.6	4.66	93.2	CV
Nickel	2452.8	2499.00	101.9	1330.0	1280.00	96.2	1283.00	96.5	P
Potassium	24920.0	24910.00	100.0	13200.0	12720.00	96.4	12390.00	93.9	P
Selenium									
Silver	1015.0	1047.00	103.2	484.0	387.70	80.1	395.60	81.7	P
Sodium	22830.0	23540.00	103.1	11300.0	11270.00	99.7	11440.00	101.2	P
Thallium									
Vanadium	4921.5	5051.00	102.6	2220.0	2175.00	98.0	2185.00	98.4	P
Zinc	2475.0	2498.00	100.9	1300.0	1258.00	96.8	1267.00	97.5	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A02SS-9

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	35.0	36.50	104.3	20.0	23.10	115.5	22.40	112.0	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	9852.0	10000.00	101.5	5270.0	5106.00	96.9	5147.00	97.7	P
Antimony	5056.0	5132.00	101.5	2770.0	2661.00	96.1	2654.00	95.8	P
Arsenic	32.8	33.38	101.8	20.5	23.46	114.4	23.42	114.2	F
Barium	9555.0	9848.00	103.1	5180.0	5182.00	100.0	5217.00	100.7	P
Beryllium	285.8	284.90	99.7	528.0	513.90	97.3	516.70	97.9	P
Cadmium	2512.0	2518.00	100.2	1350.0	1277.00	94.6	1272.00	94.2	P
Calcium	24850.0	25200.00	101.4	11840.0	11250.00	95.0	11210.00	94.7	P
Chromium	999.4	1018.00	101.9	514.0	529.00	102.9	524.10	102.0	P
Cobalt	2278.0	2314.00	101.6	1340.0	1286.00	96.0	1281.00	95.6	P
Copper	1250.0	1256.00	100.5	637.0	617.40	96.9	623.40	97.9	P
Iron	4869.0	5016.00	103.0	2750.0	2687.00	97.7	2744.00	99.8	P
Lead	35.3	35.05	99.3	21.3	23.55	110.6	22.04	103.5	F
Magnesium	24930.0	25110.00	100.7	12700.0	12200.00	96.1	12180.00	95.9	P
Manganese	2455.0	2500.00	101.8	1340.0	1300.00	97.0	1287.00	96.0	P
Mercury	5.0	5.47	109.4	5.0	5.10	102.0	5.22	104.4	CV
Nickel	2452.0	2468.00	100.7	1330.0	1279.00	96.2	1271.00	95.6	P
Potassium	24920.0	25680.00	103.0	13200.0	13000.00	98.5	13110.00	99.3	P
Selenium									F
Silver	1015.0	1032.00	101.7	484.0	473.00	97.7	474.30	98.0	P
Sodium	22830.0	2329.00	10.2	11300.0	11250.00	99.6	11320.00	100.2	P
Thallium									F
Vanadium	4921.0	4992.00	101.4	2220.0	2174.00	97.9	2173.00	97.9	P
Zinc	2475.0	2461.00	99.4	1300.0	1251.00	96.2	1253.00	96.4	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-11

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic				20.5	24.56	119.8			F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				21.3	21.68	101.8			F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-11

Initial Calibration Source: VENTURES

Continuing Calibration Source: VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium	35.0	38.00	108.6	20.0	22.30	111.5	21.60	108.0	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-111

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	9852.0	10100.00	102.5	5270.0	5122.00	97.2	5383.00	102.1	P
Antimony	5056.0	5162.00	102.1	2770.0	2672.00	96.5	2647.00	95.6	P
Arsenic	4869.0	5058.00	103.9	2730.0	2658.00	97.4	2650.00	97.1	P
Barium	9555.0	9936.00	104.0	5180.0	5162.00	99.7	5207.00	100.5	P
Beryllium	285.8	289.70	101.4	528.0	515.10	97.6	515.60	97.7	P
Cadmium	2512.0	2578.00	102.6	1350.0	1310.00	97.0	1313.00	97.3	P
Calcium	24850.0	25610.00	103.1	11840.0	11350.00	95.9	11620.00	98.1	P
Chromium	999.4	1026.00	102.7	514.0	526.50	102.4	529.60	103.0	P
Cobalt	2278.0	2338.00	102.6	1340.0	1285.00	95.9	1287.00	96.0	P
Copper	1250.0	1259.00	100.7	637.0	623.70	97.9	625.00	98.1	P
Iron	4869.0	5026.00	103.2	2750.0	2716.00	98.8	3194.00	116.1	P
Lead	5024.0	5187.00	103.2	3080.0	2941.00	95.5	2947.00	95.7	P
Magnesium	24930.0	25580.00	102.6	12700.0	12370.00	97.4	12480.00	98.3	P
Manganese	2455.0	2513.00	102.4	1340.0	1274.00	95.1	1300.00	97.0	P
Mercury	5.0	5.37	107.4	5.0	5.18	103.6			CV
Nickel	2452.8	2499.00	101.9	1330.0	1280.00	96.2	1283.00	96.5	P
Potassium	24920.0	24910.00	100.0	13200.0	12720.00	96.4	12390.00	93.9	P
Selenium									
Silver	1015.0	1047.00	103.2	484.0	387.70	80.1	395.60	81.7	P
Sodium	22830.0	23540.00	103.1	11300.0	11270.00	99.7	11440.00	101.2	P
Thallium									
Vanadium	4921.5	5051.00	102.6	2220.0	2175.00	98.0	2185.00	98.4	P
Zinc	2475.0	2498.00	100.9	1300.0	1258.00	96.8	1267.00	97.5	P
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

ANALYTICAL SERVICES CORPORATION

Contract: NEESA

Lab Code: NA

Case No.: NA

SAS No.: NA

SDG No.: A01SS-3

Initial Calibration Source: APG

Continuing Calibration Source: APG

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				23.5	19.03	81.2	19.18	81.8	F
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: BDLGH20

ICP ID Number: 61 ICS Source: VENTURES

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	444000	464000	433000	421000.0	90.7	438000	375000.0	80.8
Antimony	0	895	10	816.0	91.2	0	791.0	88.4
Arsenic								
Barium	0	431	2	385.0	89.3	1	334.0	77.5
Beryllium	0	436	0	419.0	96.1	0	412.0	94.5
Cadmium	0	924	30	906.0	98.1	27	927.0	100.3
Calcium	168000	223000	195000	220000.0	98.7	190000	212.0	0.1
Chromium	0	437	-6	423.0	96.8	-4	402.0	92.0
Cobalt	0	437	-4	419.0	95.9	-1	404.0	92.4
Copper	0	443	-2	446.0	100.7	2	398.0	89.8
Iron	167000	173000	182000	166000.0	96.0	178000	173000.0	100.0
Lead	0	975	-142	664.0	68.1	-181	975.0	100.0
Magnesium	223000	510000	246000	511000.0	100.2	243000	442000.0	86.7
Manganese	0	445	-14	452.0	101.6	-15	407.0	91.5
Mercury								
Nickel	0	867	-8	874.0	100.8	2	867.0	100.0
Potassium	0							
Selenium								
Silver	0	938	-8	918.0	97.9	-7	938.0	100.0
Sodium	0							
Thallium	~~0~~ RCS	~~842~~ RCS		~~#VALUE!~~ RCS			~~#VALUE!~~ RCS	
Vanadium	0	446	0	436.0	97.8	-1	407.0	91.3
Zinc	0	966	24	922.0	95.4	27	927.0	96.0

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-06

ICP ID Number: 61 ICS Source: VENTURES

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500700	553700	485500	483900.0	87.4	485100	475600.0	85.9
Antimony	0	1018	181	934.7	91.8	232	645.6	63.4
Arsenic	0	1010	74	1032.0	102.2	110	893.7	88.5
Barium	0	507	6	476.5	93.9	7	471.1	92.8
Beryllium	0	536	0	497.4	92.8	1	485.3	90.5
Cadmium	0	1021	-8	941.2	92.2	-12	860.7	84.3
Calcium	191100	255400	193100	238600.0	93.4	188600	226400.0	88.6
Chromium	0	497	-11	470.3	94.6	-7	410.6	82.6
Cobalt	0	498	5	467.4	93.9	6	403.3	81.0
Copper	0	519	35	467.0	90.0	55	416.8	80.3
Iron	181800	190500	187500	186200.0	97.7	180300	174400.0	91.5
Lead	0	1038	196	1155.0	111.3	171	856.6	82.5
Magnesium	252500	279900	247100	242800.0	86.7	241100	228000.0	81.5
Manganese	0	509	0	475.4	93.4	3	431.1	84.7
Mercury								
Nickel	0	1019	8	922.0	90.5	6	831.0	81.6
Potassium								
Selenium								
Silver	0	1100	-4	974.7	88.6	-14	914.1	83.1
Sodium								
Thallium								
Vanadium	0	492	0	487.8	99.1	-3	437.7	89.0
Zinc	0	1052	28	1026.0	97.5	30	946.6	90.0

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

08A/B

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 0012A/B

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

% Solids for Sample:

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		2650.0000		1980.0000		347.00	193.1		P
Antimony	75-125	5.6500		0.0000	U	16.30	34.7	N	P
Arsenic	75-125	3.1800		2.6200		1.00	56.0	N	F
Barium	75-125	140.0000		85.5000		67.20	81.1		P
Beryllium	75-125	1.5700		0.2310		1.70	78.8		P
Cadmium	75-125	4.3500		3.5500		1.68	47.6	N	P
Calcium		4040.0000		4130.0000		342.00	-26.3		P
Chromium	75-125	6.9400		6.1900		6.94	10.8	N	P
Cobalt	75-125	14.1000		2.0500		17.00	70.9	N	P
Copper		102.0000		91.3000		8.46	126.5		P
Iron		10800.0000		6610.0000		342.00	1225.1		P
Lead		221.0000		229.0000		16.90	-47.3		P
Magnesium	75-125	699.0000		365.0000		345.00	96.8		P
Manganese		209.0000		201.0000		17.10	46.8		P
Mercury	75-125	0.1970		0.0920		0.26	41.2	N	CV
Nickel	75-125	16.3000		4.1900		16.80	72.1	N	P
Potassium	75-125	586.0000		308.0000		355.00	78.3		P
Selenium	75-125	0.6950		0.0000		1.00	69.5	N	F
Silver	75-125	1.1700		0.0000	U	1.79	65.4	N	P
Sodium	75-125	339.0000		17.5000	B	411.00	78.2		P
Thallium	75-125	0.8200		0.0000	U	1.00	82.0		F
Vanadium	75-125	21.8000		8.6800		17.20	76.3		P
Zinc		279.0000		285.0000		17.10	-35.1		P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-20

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-06

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

% Solids for Sample:

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		1850.0000		2040.0000		253.00	-75.1		P
Antimony	75-125	5.3000		0.0000		11.90	44.5	N	P
Arsenic	75-125	40.0000		2.4500		50.60	74.2	N	P
Barium	75-125	168.0000		171.0000		49.00	-6.1	N	P
Beryllium	75-125	1.1600		0.1990		1.24	77.5		P
Cadmium		23.5000		6.5800		1.23	1375.6		P
Calcium		16200.0000		15100.0000		250.00	440.0		P
Chromium	75-125	8.6000		6.6800		5.07	37.9	N	P
Cobalt	75-125	10.4000		1.3800		12.40	72.7	N	P
Copper		215.0000		171.0000		6.18	712.0		P
Iron		7330.0000		7030.0000		249.00	120.5		P
Lead		345.0000		375.0000		12.40	-241.9		P
Magnesium		3280.0000		1700.0000		252.00	627.0		P
Manganese		186.0000		197.0000		12.50	-88.0		P
Mercury	75-125	0.2260		0.0163		0.25	85.6		CV
Nickel	75-125	12.9000		4.0800		12.30	71.7	N	P
Potassium	75-125	470.0000		303.0000		259.00	64.5	N	P
Selenium	75-125	1.0500		0.0000		2.00	52.5	N	F
Silver	75-125	0.9080		0.0000		1.30	69.8	N	P
Sodium	75-125	280.0000		32.8000		300.00	82.4		P
Thallium	75-125	1.7300		0.0000		2.00	86.5		F
Vanadium	75-125	15.2000		5.7800		12.60	74.8	N	P
Zinc		598.0000		755.0000		12.50	-1256.0		P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-30

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-06

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

% Solids for Sample:

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		4740.0000		4670.0000		296.00	23.6		P
Antimony	75-125	0.7840		0.0000		13.90	5.6	N	P
Arsenic	75-125	45.9000		5.8400		59.20	67.7	N	P
Barium	75-125	62.9000		14.6000		57.40	84.1		P
Beryllium	75-125	1.9600		0.7660		1.45	82.3		P
Cadmium	75-125	2.1000		1.0100		1.43	76.2		P
Calcium		3950.0000		2750.0000		292.00	411.0		P
Chromium	75-125	17.4000		13.0000		5.93	74.2	N	P
Cobalt	75-125	16.6000		4.7900		14.50	81.4		P
Copper	75-125	10.9000		3.9200		7.22	96.7		P
Iron		22000.0000		23800.0000		292.00	-616.4		P
Lead	75-125	16.7000		4.4900		14.40	84.8		P
Magnesium	75-125	1040.0000		808.0000		294.00	78.9		P
Manganese		99.4000		85.3000		14.60	96.6		P
Mercury	75-125	0.3490		0.1910		0.23	69.0	N	CV
Nickel	75-125	16.0000		4.4300		14.30	80.9		P
Potassium	75-125	1050.0000		838.0000		303.00	70.0	N	P
Selenium	75-125	2.0000		0.0000		2.00	100.0		F
Silver	75-125	0.9680		0.0000		1.53	63.3	N	P
Sodium	75-125	316.0000		14.0000		351.00	86.0		P
Thallium	75-125	1.5900		0.0000		2.00	79.5		F
Vanadium	75-125	22.4000		10.9000		14.70	78.2		P
Zinc	75-125	38.6000		26.5000		14.60	82.9		P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-36

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS -06

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

% Solids for Sample:

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		2270.0000		1880.0000		298.00	130.9		P
Antimony	75-125	11.6000		0.2650		14.00	81.0		P
Arsenic	75-125	49.1000		1.9800		59.60	79.1		F
Barium	75-125	73.2000		21.2000		57.70	90.1		P
Beryllium	75-125	1.4500		0.1280		1.46	90.5		P
Cadmium	75-125	1.4100		0.1910		1.44	84.7		P
Calcium		2110.0000		1920.0000		294.00	64.6		P
Chromium	75-125	8.2400		2.8500		5.96	90.4		P
Cobalt	75-125	14.2000		1.2700		14.60	88.6		P
Copper	75-125	10.2000		2.4600		7.26	106.6		P
Iron		3350.0000		3040.0000		293.00	105.8		P
Lead	75-125	24.9000		11.9000		14.50	89.7		P
Magnesium	75-125	488.0000		224.0000		296.00	89.2		P
Manganese		106.0000		91.2000		14.70	100.7		P
Mercury	75-125	0.3010		0.1070		0.24	82.2		CV
Nickel	75-125	14.4000		1.7000		14.40	88.2		P
Potassium	75-125	412.0000		153.0000		305.00	84.9		P
Selenium	75-125	1.0800		0.0000		2.04	52.9	N	F
Silver	75-125	1.4000		0.2620		1.54	73.9	N	P
Sodium	75-125	338.0000		9.0900		353.00	93.2		P
Thallium	75-125	1.8100		0.0000		2.04	88.7		F
Vanadium	75-125	23.3000		9.8900		14.80	90.6		P
Zinc	75-125	25.9000		13.7000		14.70	83.0		P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-97

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-97

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

% Solids for Sample:

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		2420.0000		2020.0000		246.00	162.6		P
Antimony	75-125	5.1400		0.0000		11.40	45.1	N	P
Arsenic	75-125	45.7000		0.8000		50.20	89.4		P
Barium	75-125	75.4000		30.2000		46.40	97.4		P
Beryllium	75-125	1.4600		0.3140		1.20	95.5		P
Cadmium	75-125	1.2800		0.0959		1.31	90.4		P
Calcium	75-125	524.0000		292.0000		246.00	94.3		P
Chromium	75-125	7.2500		2.6800		5.14	88.9		P
Cobalt	75-125	12.9000		1.5000		12.40	91.9		P
Copper	75-125	7.4900		1.8000		6.71	84.8		P
Iron		2100.0000		1860.0000		244.00	98.4		P
Lead	75-125	16.0000		3.0700		12.80	101.0		P
Magnesium	75-125	415.0000		175.0000		251.00	95.6		P
Manganese		190.0000		177.0000		13.00	100.0		P
Mercury									CV
Nickel	75-125	13.0000		1.7000		26.80	42.2	N	P
Potassium	75-125	384.0000		153.0000		246.00	93.9		P
Selenium									F
Silver	75-125	1.2000		0.0679		1.26	89.8		P
Sodium	75-125	278.0000		9.2800		292.00	92.0		P
Thallium									F
Vanadium	75-125	13.5000		2.1600		12.10	93.7		P
Zinc	75-125	17.9000		6.3300		12.40	93.3		P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-101

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-97

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

% Solids for Sample:

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									P
Antimony									P
Arsenic		17.8000		22.4000		2.78	-165.5		F
Barium									P
Beryllium									P
Cadmium									P
Calcium									P
Chromium									P
Cobalt									P
Copper									P
Iron									P
Lead									F
Magnesium									P
Manganese									P
Mercury									CV
Nickel									P
Potassium									P
Selenium	75-125	1.4300		0.0000		2.78	51.4	N	F
Silver									P
Sodium									P
Thallium	75-125	2.8200		0.0000		2.78	101.4		F
Vanadium									P
Zinc									P
Cyanide									

Comments:

U.S. EPA - CLP
5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-44

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

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

% Solids for Sample: 87.3

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	Spike Added (SA)	%R	Q	M
Aluminum		2640.0000		2790.0000	269.00	-55.8		P
Antimony	75-125	7.6600		0.3800	12.70	82.9		P
Arsenic	75-125	42.8000		2.4800	53.90	74.8	N	P
Barium	75-125	64.6000		20.4000	52.20	84.7		P
Beryllium	75-125	1.4100		0.2640	1.32	86.8		P
Cadmium	75-125	1.3800		0.3170	1.30	81.8		P
Calcium		31400.0000		21400.0000	266.00	3759.4		P
Chromium	75-125	8.4800		4.9500	5.39	65.5	N	P
Cobalt	75-125	13.0000		2.0500	13.20	83.0		P
Copper	75-125	7.7700		2.5500	6.57	79.5		P
Iron		3510.0000		4180.0000	265.00	-252.8		P
Lead	75-125	14.4000		3.4700	13.10	83.4		P
Magnesium	75-125	535.0000		331.0000	268.00	76.1		P
Manganese		75.5000		68.0000	13.30	56.4		P
Mercury	75-125	0.2240		0.0292	0.25	77.9		CV
Nickel	75-125	13.0000		2.4000	13.00	81.5		P
Potassium	75-125	362.0000		189.0000	276.00	62.7	N	P
Selenium	75-125	0.8670		0.0000	2.12	40.9	N	F
Silver	75-125	0.9280		0.0000	1.39	66.8	N	P
Sodium	75-125	521.0000		162.0000	319.00	112.5		P
Thallium	75-125	1.8700		0.0000	2.12	88.2		F
Vanadium	75-125	16.2000		5.6300	13.40	78.9		P
Zinc		58.8000		53.6000	13.30	39.1		P
Cyanide								

Comments:

U.S. EPA - CLP
5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-80

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

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

% Solids for Sample: 76.2

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	Spike Added (SA)	%R	Q	M
Aluminum		5370.0000		4830.0000	342.00	157.9		P
Antimony	75-125	4.7600		1.1700	16.80	28.3	N	P
Arsenic	75-125	65.5000		6.6900	68.40	86.0		P
Barium	75-125	73.3000		15.4000	66.30	87.3		P
Beryllium	75-125	2.2700		0.7260	1.68	91.9		P
Cadmium	75-125	2.2700		0.7670	1.66	90.5		P
Calcium		6220.0000		12100.0000	337.00	-1744.8		P
Chromium	75-125	22.7000		15.4000	6.85	106.6		P
Cobalt	75-125	20.3000		4.2600	16.80	95.5		P
Copper	75-125	12.7000		5.0300	8.34	92.0		P
Iron		24700.0000		23200.0000	337.00	445.1		P
Lead	75-125	22.2000		6.7900	16.70	92.3		P
Magnesium	75-125	1270.0000		976.0000	340.00	86.5		P
Manganese		112.0000		86.1000	16.90	153.3		P
Mercury	75-125	0.1420		0.0285	0.10	113.5		CV
Nickel	75-125	20.4000		5.4700	16.60	89.9		P
Potassium	75-125	1390.0000		983.0000	350.00	116.3		P
Selenium	75-125	1.1500		0.0000	2.85	40.4	N	F
Silver	75-125	1.1200		0.0000	1.76	63.6	N	P
Sodium	75-125	443.0000		110.0000	405.00	82.2		P
Thallium	75-125	2.4900		0.0000	2.85	87.4		F
Vanadium	75-125	28.6000		12.8000	17.00	92.9		P
Zinc	75-125	47.0000		31.2000	16.80	94.0		P
Cyanide								

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A05SS85

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No. ~~A0133-2~~ A0155-19 7009

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

% Solids for Sample: 83.2

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		3930.0000		2930.0000		300.00	333.3		P
Antimony	75-125	3.6100		1.2400		14.10	16.8	N	P
Arsenic	75-125	6.0200		3.7100		2.32	99.6		F
Barium	75-125	62.4000		12.2000		58.00	86.6		P
Beryllium	75-125	1.4400		0.1680		1.47	86.5		P
Cadmium	75-125	1.5100		0.1990		1.45	90.4		P
Calcium	75-125	1280.0000		881.0000		295.00	135.3	N	P
Chromium	75-125	12.1000		5.5700		6.00	108.8		P
Cobalt	75-125	13.9000		1.8000		14.70	82.3		P
Copper	75-125	8.1100		1.7800		7.31	86.6		P
Iron		8760.0000		6250.0000		295.00	850.8		P
Lead	75-125	22.7000		8.5800		14.60	96.7		F
Magnesium	75-125	453.0000		163.0000		298.00	97.3		P
Manganese		88.2000		64.8000		14.80	158.1		P
Mercury	75-125	0.2350		0.0000		0.25	94.8		CV
Nickel	75-125	14.6000		2.0500		14.50	86.6		P
Potassium	75-125	459.0000		180.0000		307.00	90.9		P
Selenium	75-125	0.4740		0.0000		2.32	20.4	N	F
Silver	75-125	0.9880		0.0000		1.54	64.2	N	P
Sodium	75-125	322.0000		20.7000		355.00	84.9		P
Thallium	75-125	1.6500		0.0000		2.32	71.1	N	F
Vanadium	75-125	26.0000		10.5000		14.90	104.0		P
Zinc	75-125	24.7000		10.7000		14.70	95.2		P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A05SS-60

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: ~~A01SS-2~~ A00155-19 Mal

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

% Solids for Sample: 80.9

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		4440.0000		3980.0000		281.00	163.7		P
Antimony	75-125	1.5100		0.0618		13.20	11.0	N	P
Arsenic	75-125	2.2700		1.2100		2.21	48.0	N	F
Barium	75-125	66.9000		19.3000		54.50	87.3		P
Beryllium	75-125	1.6700		0.4330		1.38	89.6		P
Cadmium	75-125	1.9300		0.6780		1.36	92.1		P
Calcium		3670.0000		1650.0000		277.00	729.2		P
Chromium	75-125	14.8000		8.8500		5.63	105.7		P
Cobalt	75-125	21.9000		9.0100		13.80	93.4		P
Copper	75-125	9.6700		3.3400		6.86	92.3		P
Iron		15400.0000		12600.0000		277.00	1010.8		P
Lead	75-125	61.1000		23.5000		13.70	274.5	N	F
Magnesium	75-125	597.0000		317.0000		280.00	100.0		P
Manganese		192.0000		151.0000		13.90	295.0		P
Mercury	75-125	0.0957		0.0000		0.09	111.0		CV
Nickel	75-125	18.1000		6.1800		13.60	87.6		P
Potassium	75-125	694.0000		439.0000		288.00	88.5		P
Selenium	75-125	0.4880		0.0000		2.21	22.1	N	F
Silver	75-125	0.8530		0.0000		1.45	58.8	N	P
Sodium	75-125	300.0000		11.3000		333.00	86.7		P
Thallium	75-125	2.1600		0.0000		2.21	97.7		F
Vanadium	75-125	28.3000		16.1000		14.00	87.1		P
Zinc	75-125	76.4000		53.2000		13.80	168.1	N	P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A02SS-74

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: ~~A0233-3~~ A01SS-58

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

% Solids for Sample: 94.6

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		4820.0000		4110.0000		261.00	272.0		P
Antimony	75-125	3.8100		0.2170		12.30	29.2	N	P
Arsenic	75-125	2.7100		1.0300		1.92	87.5		F
Barium	75-125	69.8000		26.6000		50.60	85.4		P
Beryllium	75-125	1.4000		0.2600		1.28	89.1		P
Cadmium	75-125	1.9600		0.7160		1.26	98.7		P
Calcium	75-125	590.0000		352.0000		257.00	92.6		P
Chromium	75-125	9.3600		4.0900		5.22	101.0		P
Cobalt	75-125	12.6000		1.6300		12.80	85.7		P
Copper	75-125	12.5000		6.4100		6.37	95.6		P
Iron		4150.0000		3590.0000		257.00	217.9		P
Lead	75-125	25.2000		13.2000		12.70	94.5		F
Magnesium	75-125	436.0000		190.0000		260.00	94.6		P
Manganese		194.0000		210.0000		12.90	-124.0		P
Mercury	75-125	0.2440		0.0427		0.25	80.5		CV
Nickel	75-125	13.0000		2.2200		12.60	85.6		P
Potassium	75-125	402.0000		133.0000		267.00	100.7		P
Selenium	75-125	1.4800		0.0000		1.92	77.1		F
Silver	75-125	1.0200		0.0000		1.35	75.6		P
Sodium	75-125	273.0000		15.7000		309.00	83.3		P
Thallium	75-125	1.6700		0.0000		1.92	87.0		F
Vanadium	75-125	22.7000		10.2000		13.00	96.2		P
Zinc	75-125	23.6000		11.8000		12.80	92.2		P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A02SS-94

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: ~~A0233-S~~ A0155-58 MDL

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

% Solids for Sample: 88.8

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		4890.0000		3990.0000		285.00	315.8		P
Antimony	75-125	0.9940		0.0000		13.40	7.4	N	P
Arsenic	75-125	2.4000		1.6000		2.40	33.3	N	F
Barium	75-125	68.0000		25.6000		55.10	77.0		P
Beryllium	75-125	1.2900		0.1780		1.40	79.4		P
Cadmium	75-125	2.0400		0.9190		1.38	81.2		P
Calcium	75-125	719.0000		522.0000		280.00	70.4	N	P
Chromium	75-125	12.0000		7.2500		5.69	83.5		P
Cobalt	75-125	12.7000		1.6600		13.90	79.4		P
Copper	75-125	10.9000		5.8400		6.94	72.9	N	P
Iron		7190.0000		6710.0000		280.00	171.4		P
Lead	75-125	20.3000		8.3400		13.90	86.0		F
Magnesium	75-125	390.0000		154.0000		283.00	83.4		P
Manganese		123.0000		124.0000		14.00	-7.1		P
Mercury	75-125	0.2440		0.0427		0.25	80.5		CV
Nickel	75-125	14.0000		2.7200		13.80	81.7		P
Potassium	75-125	430.0000		231.0000		291.00	68.4	N	P
Selenium	75-125	2.3200		0.0000		2.40	96.7		F
Silver	75-125	1.0500		0.1720		1.47	59.7	N	P
Sodium	75-125	284.0000		11.2000		337.00	80.9		P
Thallium	75-125	1.7100		0.0000		2.40	71.3	N	F
Vanadium	75-125	25.3000		12.9000		14.10	87.9		P
Zinc	75-125	29.5000		17.7000		14.00	84.3		P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-106

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-~~18~~104 MD

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

% Solids for Sample:

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		5770.0000		6120.0000		304.00	-115.1		P
Antimony	75-125	-1.2100		0.0000		14.00	-8.6	N	P
Arsenic		17.1000		12.5000		2.50	184.0		F
Barium		1650.0000		1710.0000		57.10	-105.1		P
Beryllium	75-125	1.6800		0.7730		1.48	61.3	N	P
Cadmium		8.5700		7.1100		1.61	90.7		P
Calcium		31000.0000		33900.0000		304.00	-953.9		P
Chromium		37.8000		28.2000		6.34	151.4		P
Cobalt	75-125	17.2000		5.4300		15.20	77.4		P
Copper		940.0000		658.0000		8.27	3409.9		P
Iron		35400.0000		29300.0000		301.00	2026.6		P
Lead		1300.0000		1960.0000		15.70	-4203.8		F
Magnesium		3360.0000		3360.0000		310.00	0.0		P
Manganese		.238 637.0000		.039 638.0000		16.10	-6.2		P
Mercury	75-125	.476 ~~0.5490~~		.792 ~~0.3580~~		.25 ~~0.29~~	79.6 ~~65.0~~	N	CV
Nickel	75-125	31.8000		19.9000		33.00	36.1	N	P
Potassium	75-125	1170.0000		895.0000		304.00	90.5		P
Selenium	75-125	2.8000		0.2570		2.50	101.7		F
Silver	75-125	1.6400		0.1840		1.55	93.9		P
Sodium	75-125	512.0000		201.0000		360.00	86.4		P
Thallium	75-125	2.7500		0.0000		2.50	110.0		F
Vanadium	75-125	35.1000		25.5000		14.90	64.4	N	P
Zinc		2750.0000		2730.0000		15.20	131.6		P
Cyanide									

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Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-96B

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-3

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

% Solids for Sample: 75.9

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		7820.0000		7630.0000		294.00	64.6		P
Antimony	75-125	2.3900		0.0000		13.80	17.3	N	P
Arsenic	75-125	3.8600		1.6300		2.42	92.1		F
Barium	75-125	74.1000		26.2000		57.00	84.0		P
Beryllium	75-125	5.2900		3.8000		1.44	103.5		P
Cadmium	75-125	2.8400		1.4300		1.42	99.3		P
Calcium		2330.0000		2430.0000		290.00	-34.5		P
Chromium		34.9000		29.7000		5.89	88.3		P
Cobalt	75-125	23.8000		10.7000		14.40	91.0		P
Copper	75-125	10.6000		3.7400		7.18	95.5		P
Iron		29400.0000		25700.0000		290.00	1275.9		P
Lead	75-125	20.4000		7.8600		14.40	87.1		F
Magnesium		1960.0000		1550.0000		293.00	139.9		P
Manganese		186.0000		161.0000		14.50	172.4		P
Mercury	75-125	0.3060		0.0144		0.35	84.3		CV
Nickel	75-125	28.3000		13.5000		14.20	104.2		P
Potassium		2320.0000		1810.0000		301.00	169.4		P
Selenium	75-125	1.0800		0.0000		2.42	44.6	N	F
Silver	75-125	0.8310		0.0000		1.52	54.7	N	P
Sodium	75-125	320.0000		24.2000		349.00	84.8		P
Thallium	75-125	2.0900		0.0000		2.42	86.4		F
Vanadium	75-125	31.1000		17.2000		14.60	95.2		P
Zinc		92.4000		71.1000		14.50	146.9		P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A02SS-108A

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A02SS-74

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

% Solids for Sample: 80.7

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		10000.0000		14500.0000		317.00	-1419.6		P
Antimony	75-125	0.6180		0.0000		14.70	4.2	N	P
Arsenic	75-125	2.5300		1.4900		2.50	41.6	N	F
Barium	75-125	71.7000		29.4000		59.60	71.0	N	P
Beryllium	75-125	1.3900		0.1940		1.54	77.7		P
Cadmium	75-125	1.7400		0.7300		1.68	60.1	N	P
Calcium	75-125	668.0000		506.0000		317.00	51.1	N	P
Chromium	75-125	16.8000		16.2000		6.61	9.1	N	P
Cobalt	75-125	12.6000		1.1200		15.90	72.2	N	P
Copper	75-125	9.5700		4.6000		8.63	57.6	N	P
Iron		14000.0000		17600.0000		314.00	-1146.5		P
Lead	75-125	17.0000		7.9500		16.40	55.2	N	~~F~~ P
Magnesium	75-125	516.0000		444.0000		323.00	22.3	N	P
Manganese	75-125	40.1000		34.2000		16.80	35.1	N	P
Mercury	75-125	0.6890		0.1000		0.50	117.8		CV
Nickel	75-125	13.8000		3.2600		15.20	69.3	N	P
Potassium	75-125	522.0000		441.0000		317.00	25.6	N	P
Selenium	75-125	0.2310		0.0000		2.50	9.2	N	F
Silver	75-125	1.1400		0.0000		1.61	70.8	N	P
Sodium	75-125	304.0000		17.8000		376.00	76.1		P
Thallium	75-125	2.3200		0.0000		2.50	92.8		F
Vanadium	75-125	36.0000		30.2000		15.60	37.2	N	P
Zinc	75-125	19.8000		12.5000		15.90	45.9	N	P
Cyanide									

Comments:

U.S. EPA - CLP
5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-109

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A02SS-93

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

% Solids for Sample: 93.5

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	Spike Added (SA)	%R	Q	M
Aluminum		3610.0000		4550.0000	273.00	-344.3		P
Antimony	75-125	5.3500		0.0000	12.60	42.5	N	P
Arsenic	75-125	57.8000		4.5200	55.60	95.8		P
Barium	75-125	91.2000		158.0000	51.30	-130.2	N	P
Beryllium	75-125	1.6800		0.3450	1.33	100.4		P
Cadmium	75-125	2.1600		0.6630	1.45	103.2		P
Calcium		2050.0000		1400.0000	273.00	238.1		P
Chromium	75-125	17.0000		13.5000	5.70	61.4	N	P
Cobalt	75-125	15.6000		1.9000	13.70	100.0		P
Copper	75-125	30.2000		10.3000	7.43	267.8	N	P
Iron		14500.0000		12500.0000	270.00	740.7		P
Lead	75-125	46.3000		27.3000	14.10	134.8	N	P
Magnesium	75-125	1090.0000		984.0000	278.00	38.1	N	P
Manganese		132.0000		98.4000	14.40	233.3		P
Mercury								CV
Nickel	75-125	16.6000		3.3700	13.20	100.2		P
Potassium	75-125	912.0000		995.0000	273.00	-30.4	N	P
Selenium	75-125	1.3500		0.0000	2.13	63.4	N	F
Silver	75-125	1.2200		0.0000	1.39	87.8		P
Sodium	75-125	348.0000		23.9000	324.00	100.0		P
Thallium	75-125	2.3100		0.0000	2.13	108.5		F
Vanadium	75-125	24.7000		12.2000	13.40	93.3		P
Zinc		171.0000		86.9000	13.70	613.9		P
Cyanide								

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-111

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-111

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

% Solids for Sample:

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		4290.0000		4100.0000		241.00	78.8		P
Antimony	75-125	4.2000		0.0000		11.10	37.8	N	P
Arsenic									F
Barium	75-125	72.9000		34.6000		45.30	84.5		P
Beryllium	75-125	1.4100		0.3720		1.17	88.7		P
Cadmium	75-125	1.3600		0.2790		1.28	84.5		P
Calcium		1150.0000		1080.0000		241.00	29.0		P
Chromium	75-125	10.6000		6.4100		5.02	83.5		P
Cobalt	75-125	12.7000		2.0800		12.10	87.8		P
Copper	75-125	12.9000		4.7900		6.56	123.6		P
Iron		7640.0000		7510.0000		238.00	54.6		P
Lead									F
Magnesium	75-125	637.0000		433.0000		245.00	83.3		P
Manganese		154.0000		185.0000		12.70	-244.1		P
Mercury									CV
Nickel	75-125	13.2000		2.6900		11.6 ~~26.20~~ pis	90.6 ~~48.1~~ pis	N	P
Potassium	75-125	618.0000		428.0000		241.00	78.8		P
Selenium									F
Silver	75-125	1.2100		0.0000		1.23	98.4		P
Sodium	75-125	269.0000		14.7000		285.00	89.2		P
Thallium									F
Vanadium	75-125	19.5000		8.7400		11.80	91.2		P
Zinc	75-125	41.7000		30.3000		12.10	94.2		P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-112

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-111

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

% Solids for Sample:

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									P
Antimony									P
Arsenic	75-125	3.2900		0.0000		2.50	131.6	N	F
Barium									P
Beryllium									P
Cadmium									P
Calcium									P
Chromium									P
Cobalt									P
Copper									P
Iron									P
Lead	75-125	5.8900		2.2000		2.50	147.6	N	F
Magnesium									P
Manganese									P
Mercury	75-125	0.1990		0.0046		0.27	71.5	N	CV
Nickel									P
Potassium									P
Selenium	75-125	1.4600		0.0000		2.50	58.4	N	F
Silver									P
Sodium									P
Thallium	75-125	2.5400		0.0000		2.50	101.6		F
Vanadium									P
Zinc									P
Cyanide									

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A01SS-113

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-111

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

% Solids for Sample: 85.1

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		4210.0000		4150.0000		300.00	20.0		P
Antimony	75-125	2.6700		0.0000		13.90	19.2	N	P
Arsenic	75-125	55.3000		9.7100		61.20	74.5	N	P
Barium	75-125	65.3000		18.5000		56.50	82.8		P
Beryllium	75-125	1.5400		0.3590		1.46	80.9		P
Cadmium	75-125	1.7600		0.6210		1.59	71.6	N	P
Calcium		4060.0000		5740.0000		300.00	-560.0		P
Chromium	75-125	20.2000		16.1000		6.26	65.5	N	P
Cobalt	75-125	13.9000		2.5000		15.10	75.5		P
Copper	75-125	9.5000		3.3800		8.18	74.8	N	P
Iron		13900.0000		14300.0000		297.00	-134.7		P
Lead	75-125	18.1000		6.2600		15.50	76.4		F
Magnesium		1640.0000		1450.0000		306.00	62.1		P
Manganese		115.0000		129.0000		15.90	-88.1		P
Mercury									CV
Nickel	75-125	16.4000		5.5600		12.60	86.0		P
Potassium		1750.0000		1590.0000		300.00	53.3		P
Selenium	75-125	1.4800		0.0000		2.33	63.5	N	F
Silver	75-125	0.9150		0.0000		1.53	59.8	N	P
Sodium	75-125	326.0000		57.6000		356.00	75.4		P
Thallium	75-125	2.4000		0.0000		2.33	103.0		F
Vanadium	75-125	21.9000		11.1000		14.70	73.5	N	P
Zinc	75-125	45.3000		32.9000		15.10	82.1		P
Cyanide									

Comments:

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6

DUPLICATES

EPA SAMPLE NO.

A01SS-20

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: ~~08A/B~~ A01SS06

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

% Solids for Sample: % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	20	1850.0000		1880.0000		1.6		P
Antimony	20	5.3000		5.3800		1.5		P
Arsenic	20	40.0000		41.5000		3.7		P
Barium	20	168.0000		169.0000		0.6		P
Beryllium	20	1.1600		1.2000		3.4		P
Cadmium	20	23.5000		6.1000		117.6	*	P
Calcium	20	16200.0000		15900.0000		1.9		P
Chromium	20	8.6000		8.4000		2.4		P
Cobalt	20	10.4000		10.4000		0.0		P
Copper	20	215.0000		295.0000		31.4	*	P
Iron	20	7330.0000		7400.0000		1.0		P
Lead	20	345.0000		4980.0000		174.1	*	P
Magnesium	20	2380.0000		2730.0000		13.7		P
Manganese	20	186.0000		177.0000		5.0		P
Mercury	20	0.2260		0.2430		7.2		CV
Nickel	20	12.9000		13.7000		6.0		P
Potassium	20	470.0000		468.0000		0.4		P
Selenium	20	1.0500		0.9600		9.0		F
Silver	20	0.9080		0.9250		1.9		P
Sodium	20	280.0000		298.0000		6.2		P
Thallium	20	1.7300		1.6900		2.3		F
Vanadium	20	15.2000		15.1000		0.7		P
Zinc	20	598.0000		1560.0000		89.2	*	P
Cyanide								

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6
DUPLICATES

EPA SAMPLE NO.

A01SS-44

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-1

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

% Solids for Sample: 87.3 % Solids for Duplicate: 87.3

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		2640.0000		3180.0000		18.6		P
Antimony		7.6600		8.1000		5.6		P
Arsenic		42.8000		48.9000		13.3		P
Barium		64.6000		67.9000		5.0		P
Beryllium		1.4100		1.5100		6.8		P
Cadmium		1.3800		1.5000		8.3		P
Calcium		31400.0000		23400.0000		29.2	*	P
Chromium		8.4800		10.4000		20.3	*	P
Cobalt		13.0000		13.8000		6.0		P
Copper		7.7700		8.7500		11.9		P
Iron		3510.0000		5540.0000		44.9	*	P
Lead		14.4000		15.1000		4.7		P
Magnesium		535.0000		591.0000		9.9		P
Manganese		75.5000		77.6000		2.7		P
Mercury		0.2240		0.2330		3.9		CV
Nickel		13.0000		14.3000		9.5		P
Potassium		362.0000		452.0000		22.1	*	P
Selenium		0.8670		0.7600		13.2		F
Silver		0.9280		0.8860		4.6		P
Sodium		521.0000		463.0000		11.8		P
Thallium		1.8700		1.8300		2.2		F
Vanadium		16.2000		18.5000		13.3		P
Zinc		58.8000		67.9000		14.4		P
Cyanide								

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

A05SS-60

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: ~~A01SS-2~~ A05SS-19 mke

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

% Solids for Sample: 80.9 % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	20	4440.000		4760.000		7.0		P
Antimony	20	1.510		1.950		25.4	*	P
Arsenic	20	2.270		2.590		13.2		F
Barium	20	66.900		74.300		10.5		P
Beryllium	20	1.670		1.920		13.9		P
Cadmium	20	1.930		2.150		10.8		P
Calcium	20	3670.000		2400.000		41.8	*	P
Chromium	20	14.800		15.600		5.3		P
Cobalt	20	21.900		36.500		50.0	*	P
Copper	20	9.670		11.300		15.5		P
Iron	20	15400.000		18100.000		16.1		P
Lead	20	61.100		40.700		40.1	*	F
Magnesium	20	597.000		808.000		30.0	*	P
Manganese	20	192.000		320.000		50.0	*	P
Mercury	20	0.0957		0.0824		14.9		CV
Nickel	20	18.100		22.600		22.1	*	P
Potassium	20	694.000		874.000		23.0	*	P
Selenium	20	0.488		0.551		12.1		F
Silver	20	0.853		1.040		19.8		P
Sodium	20	300.000		311.000		3.6		P
Thallium	20	2.160		2.440		12.2		F
Vanadium	20	28.300		29.000		2.4		P
Zinc	20	76.400		86.500		12.4		P
Cyanide								

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

A01SS-106

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-~~18~~104

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

% Solids for Sample: % Solids for Duplicate:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M	
Aluminum		5770.0000		5590.0000		3.2		P	
Antimony		-1.2100		1.81		510		P	
Arsenic		17.1000		22.6000		27.7	*	F	
Barium		1650.0000		1690.0000		2.4		P	
Beryllium		1.6800		1.6700		0.6		P	
Cadmium		8.5700		8.8200		2.9		P	
Calcium		31000.0000		25000.0000		21.4	*	P	
Chromium		37.8000		36.3000		4.0		P	
Cobalt		17.2000		17.9000		4.0		P	
Copper		940.0000		634.0000		38.9	*	P	
Iron		35400.0000		45300.0000		24.5	*	P	
Lead		1300.0000		975.0000		28.6	*	F	
Magnesium		3360.0000		3170.0000		5.8		P	
Manganese		637.0000		705.0000		10.1		P	
Mercury		.238 ~~0.5490~~		.225 ~~0.6370~~		5.6 ~~14.8~~		CV	RLS
Nickel		31.8000		33.2000		4.3		P	
Potassium		1170.0000		1090.0000		7.1		P	
Selenium		2.8000		2.1500		26.3	*	F	
Silver		1.6400		1.2500		27.0	*	P	
Sodium		512.0000		472.0000		8.1		P	
Thallium		2.7500		2.6300		4.5		F	
Vanadium		35.1000		40.7000		14.8		P	
Zinc		2750.0000		2260.0000		19.6		P	
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: ~~A0193-2~~ A0155-19

Solid LCS Source:

Aqueous LCS Source: VENTURES

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	Solid (mg/kg) C	Solid (mg/kg) Limits		Solid (mg/kg) %R
Aluminum	10130.0	9509.00	93.9						
Antimony	476.1	473.10	99.4						
Arsenic	20.0	15.70	78.5						
Barium	1962.0	1843.00	93.9						
Beryllium	49.7	48.00	96.6						
Cadmium	49.0	48.90	99.8						
Calcium	9985.0	9681.00	97.0						
Chromium	202.7	197.50	97.4						
Cobalt	496.3	479.10	96.5						
Copper	247.0	232.60	94.2						
Iron	9975.0	9364.00	93.9						
Lead	494.0	512.00	103.6						
Magnesium	10070.0	10300.00	102.3						
Manganese	498.9	483.60	96.9						
Mercury	5.0	5.16	103.2						
Nickel	490.1	480.10	98.0						
Potassium	10370.0	10210.00	98.5						
Selenium	20.0	19.50	97.5						
Silver	52.2	45.90	87.9						
Sodium	11990.0	12000.00	100.1						
Thallium	20.0	16.30	81.5						
Vanadium	503.5	483.30	96.0						
Zinc	498.5	466.90	93.7						
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: ~~A0155-2~~ D0155-19 mee

Solid LCS Source:

Aqueous LCS Source: VENTURES

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	10130.0	8935.00	88.2						
Antimony	476.1	451.60	94.9						
Arsenic	20.0	15.00	75.0						
Barium	1962.0	1717.00	87.5						
Beryllium	49.7	44.30	89.1						
Cadmium	49.0	46.10	94.1						
Calcium	9985.0	8913.00	89.3						
Chromium	202.7	184.50	91.0						
Cobalt	496.3	451.50	91.0						
Copper	247.0	220.90	89.4						
Iron	9975.0	8929.00	89.5						
Lead	494.0	469.20	95.0						
Magnesium	10070.0	9116.00	90.5						
Manganese	498.9	447.60	89.7						
Mercury	5.0	5.10	102.0						
Nickel	490.1	446.60	91.1						
Potassium	10370.0	9352.00	90.2						
Selenium	20.0	15.60	78.0						
Silver	52.2	48.70	93.3						
Sodium	11990.0	10470.00	87.3						
Thallium	20.0	17.30	86.5						
Vanadium	503.5	454.10	90.2						
Zinc	498.5	443.40	88.9						
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: ~~A0233-S~~ A0155-58 MDL

Solid LCS Source:

Aqueous LCS Source: VENTURES

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	10100.0	8249.00	81.7						
Antimony	476.0	401.80	84.4						
Arsenic	20.0	15.00	75.0						
Barium	1960.0	1648.00	84.1						
Beryllium	49.7	42.20	84.9						
Cadmium	49.0	42.10	85.9						
Calcium	9990.0	8499.00	85.1						
Chromium	203.0	168.10	82.8						
Cobalt	496.0	411.10	82.9						
Copper	247.0	206.40	83.6						
Iron	9980.0	8078.00	80.9						
Lead	494.0	420.50	85.1						
Magnesium	10100.0	8105.00	80.2						
Manganese	499.0	394.90	79.1						
Mercury	5.0	4.62	92.4						
Nickel	490.0	408.50	83.4						
Potassium	10400.0	8345.00	80.2						
Selenium	20.0	15.60	78.0						
Silver	52.2	39.70	76.1						
Sodium	12000.0	9725.00	81.0						
Thallium	20.0	17.30	86.5						
Vanadium	504.0	426.40	84.6						
Zinc	499.0	409.10	82.0						
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: ~~A0233-6~~ A0155-58 MAD

Solid LCS Source:

Aqueous LCS Source: VENTURES

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	10100.0	8854.00	87.7						
Antimony	476.0	426.60	89.6						
Arsenic	20.0	19.80	99.0						
Barium	1960.0	1708.00	87.1						
Beryllium	49.7	44.00	88.5						
Cadmium	49.0	44.50	90.8						
Calcium	9990.0	8967.00	89.8						
Chromium	203.0	184.20	90.7						
Cobalt	496.0	444.20	89.6						
Copper	247.0	228.70	92.6						
Iron	9980.0	8769.00	87.9						
Lead	494.0	460.10	93.1						
Magnesium	10100.0	8889.00	88.0						
Manganese	499.0	443.80	88.9						
Mercury	5.0	4.62	92.4						
Nickel	490.0	431.10	88.0						
Potassium	10400.0	8990.00	86.4						
Selenium	20.0	19.40	97.0						
Silver	52.2	42.30	81.0						
Sodium	12000.0	10640.00	88.7						
Thallium	20.0	15.10	75.5						
Vanadium	504.0	448.30	88.9						
Zinc	499.0	429.40	86.1						
Cyanide									

U.S. EPA - CLP
7
LABORATORY CONTROL SAMPLE

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-18

Solid LCS Source:

Aqueous LCS Source: VENTURES

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	10200.0	9812.00	96.2						
Antimony	472.0	442.50	93.8						
Arsenic	20.0	15.68	78.4						
Barium	1920.0	1922.00	100.1						
Beryllium	49.7	47.10	94.8						
Cadmium	54.1	49.50	91.5						
Calcium	10200.0	11280.00	110.6						
Chromium	213.0	194.90	91.5						
Cobalt	512.0	481.90	94.1						
Copper	278.0	265.60	95.5						
Iron	10100.0	10550.00	104.5						
Lead	528.0	589.10	111.6						
Magnesium	10400.0	9901.00	95.2						
Manganese	540.0	496.40	91.9						
Mercury	5.0	4.75	95.0						
Nickel	492.0	474.70	96.5						
Potassium	10200.0	9817.00	96.2						
Selenium	20.0	20.86	104.3						
Silver	52.0	51.30	98.7						
Sodium	12100.0	11410.00	94.3						
Thallium	20.0	21.50	107.5						
Vanadium	501.0	479.00	95.6						
Zinc	512.0	609.20	119.0						
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

002423

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A02SS-74

Solid LCS Source:

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	10200.0	9180.00	90.0						
Antimony	472.0	434.00	91.9						
Arsenic	19.2	20.00	104.2						
Barium	1920.0	1840.00	95.8						
Beryllium	49.7	46.80	94.2						
Cadmium	54.1	46.80	86.5						
Calcium	10200.0	9280.00	91.0						
Chromium	213.0	190.00	89.2						
Cobalt	512.0	461.00	90.0						
Copper	278.0	235.00	84.5						
Iron	10100.0	9190.00	91.0						
Lead	20.0	18.90	94.5						
Magnesium	10400.0	9220.00	88.7						
Manganese	540.0	458.00	84.8						
Mercury	2.0	1.98	99.0						
Nickel	1110.0	455.00	41.0						
Potassium	10200.0	9160.00	89.8						
Selenium	20.0	19.10	95.5						
Silver	52.0	44.30	85.2						
Sodium	12100.0	11000.00	90.9						
Thallium	20.0	19.80	99.0						
Vanadium	501.0	467.00	93.2						
Zinc	512.0	447.00	87.3						
Cyanide									

U.S. EPA - CLP
7
LABORATORY CONTROL SAMPLE

Lab Name: ANALYTICAL SERVICES CORPORATION Contract: NESSA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: A01SS-11

Solid LCS Source:

Aqueous LCS Source: VENTURES

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	10200.0	9532.00	93.5						
Antimony	472.0	451.20	95.6						
Arsenic	20.0	22.64	113.2						
Barium	1920.0	1860.00	96.9						
Beryllium	49.7	47.00	94.6						
Cadmium	54.1	48.20	89.1						
Calcium	10200.0	9604.00	94.2						
Chromium	213.0	194.10	91.1						
Cobalt	512.0	476.80	93.1						
Copper	278.0	245.70	88.4						
Iron	10100.0	9462.00	93.7						
Lead	20.0	20.77	103.9						
Magnesium	10400.0	9511.00	91.5						
Manganese	540.0	472.60	87.5						
Mercury	5.0	3.66	73.2						
Nickel	492.0	463.20	94.1						
Potassium	10200.0	9852.00	96.6						
Selenium	20.0	18.78	93.9						
Silver	52.0	57.80	111.2						
Sodium	12100.0	11130.00	92.0						
Thallium	20.0	18.70	93.5						
Vanadium	501.0	477.00	95.2						
Zinc	512.0	469.10	91.6						
Cyanide									

APPENDIX H
ASBESTOS MONITORING RESULTS

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPON STATION	Page 1 of 1
Job Title:	Date: 9/30/94
Project No.: 2777.001 (VERSAR)	Weather: CLEAR Temperature: 72 °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work:

THE LAST 4 TRUCK LOADS OF DEBRIS WITH TRANSITE WERE LOADED OUT TODAY. THE ROOFING MATERIAL DISCOVERED YESTERDAY WAS COLLECTED AND SHIPPED WITH THIS DEBRIS. FRIABLE ACM IS WRAPPED AND AWAITING SHIPMENT. THIS ACM REQUIRES NESHAPS AND OSHA LABELS AND MUST BE PROPERLY MANIFEST.

VERSAR ASSISTED OHM IN THE EVALUATION OF THE SOIL SAMPLE DATA RECEIVED TODAY.

Air Sample Data/Locations

Number 5 INCLUDES 2 BLANKS

Type PERSONAL + AREA

Location

AREA 1-26

Inside Range <.004 f/cc

Outside Range <.003 f/cc

Decon Range

Figure:

Health and Safety LEVEL "C" PPE WAS WORN IN LOADOUT AREA

Remarks/Delays

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

J:\ATLANTIC\COMMON\WAA\FORMS\DAILY.ABS

Revised: 12/17/93

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM

Program Manager: C. DILKS Sample Location: AREA 1-26

Date: 9/30/94 Shift: 1ST Samples Collected by: BRADLEY NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um / 25 mm Lot No: 081400

SAMPLE DATA

Sample No.	NW594-70	NW594-71	NW594-72	NW594-73	NW594-74	NW594-75
Pump No.	11327	8851	1110			
Time On	0747	0744	0745			
Time Off	1234	1233	1242			
Total Time (min)	287	289	297			
Flow Rate (LPM)	2.3	3.051	3.102			
Volume (liters)	677.32	881.74	921.29			
Employee Name/ID						
Results F/CC	<.004	<.003	<.003			
Fibers/Fields	.045	.035	.03	.01	.01	
Fibers/mm2	13.475	9.625	7.7	3.85	3.85	
Detection Limit	.004	.003	.003			(3.85)
95% UCL	.007	.006	.005			
Analyst	BJN	BJN	BJN	BJN	BJN	
QC Recounts (F/CC)						
QC Analyst						

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NW594 70	PERSON EQUIPMENT OPERATOR (1-26)		W	P	R		NA
71	BETWEEN STOCKPILE AND TRUCK CAB		W/O	G	R		NA
72	AT REAR OF TRUCK		O	G	R		NA
73	FIELD BLANK			B	R		
74	LAB BLANK			B	R		

Location: W = Work Area, O = Outside/Perimeter
Type: G = General Area, P = Personal, A = Ambient, B = Field Blank
Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air
Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles, BI = Boiler, PL = Pipe Lagging, TP = Transite Panel

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPONS STATION	Page 1 of 1
Job Title:	Date: 9/29/94
Project No.: 2777.001 (VERSAR)	Weather: CLEAR Temperature: 78 °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work:

LOAD OUT OF DEBRIS CONTAINING TRANSITE CONTINUED WITH AN ADDITIONAL 8 TRUCKS LOADED OUT (32 TRUCKS TO DATE).

THE PIPE DISCOVERED YESTERDAY WITH FRIABLE INSULATION WAS DOUBLE WRAPPED WITH 6-MIL POLY. ROOFING MATERIAL IN THAT AREA WAS LOADED ONTO A DUMP TRUCK AND WILL BE SHIPPED WITH THE DEBRIS CONTAINING TRANSITE.

THE ACTIVITY HAZARD ANALYSIS FORMS WERE SUBMITTED TO THE PROJECT SUPERINTENDANT AND INSERTED INTO THE H+S PLAN. AN ADDITIONAL ANALYSIS WAS PREPARED FOR MULCHING AND SEEDING OPERATIONS.

Air Sample Data/Locations

Number 6 INCLUDES 2 BLANKS

Type PERSONAL + AREA

Location AREA 1-26

Inside Range <.007 TO .007 f/cc

Outside Range <.002 TO .004 f/cc

Decon Range

Figure:

Health and Safety WORKERS IN THE ASBESTOS WORK AREA WORE LEVEL "C"

Remarks/Delays

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM

Program Manager: C. DILKS Sample Location: AREA 1-26

Date: 9/29/94 Shift: 1ST Samples Collected by: BRADLEY NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um/25mm Lot No: 081400

SAMPLE DATA

Sample No.	NWS94-64	NWS94-65	NWS94-66	NWS94-67	NWS94-68	NWS94-69
Pump No.	11327	11110	5347			11327
Time On	0734	0738	0739			1145
Time Off	1129	1432	1409			1433
Total Time (min)	235	414	390			168
Flow Rate (LPM)	2.419	3.102	3.052			2.444
Volume (liters)	568.46	1284.23	1190.28			410.59
Employee Name/ID	T. BRANNON					T. BRANNON
Results F/CC	.007	.004	<.002			<.007
Fibers/Fields	.10	.115	.065	.025	.02	.07
Fibers/mm2	29.8375	35.6125	16.3625	9.625	7.7	18.2875
Detection Limit	.005	.002	.002			.007
95% UCL	.009	.004	.004			.011
Analyst	BJN	BJN	BJN	BJN	BJN	BJN
QC Recounts (F/CC)						
QC Analyst						

8.6625

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-64	PERSONAL ON OPERATOR AREA 1-26		W	P	R		NA
65	AREA BY TRUCK CAB	5'	O	G	R		NA
66	AREA AT REAR OF TRUCK	5'	O	G	R		NA
67	FIELD BLANK			B			
68	LAB BLANK			B			
69	PERSONAL ON OPERATOR AREA 1-26		W	W	R		NA

Location: W = Work Area, O = Outside/Perimeter
Type: G = General Area, P = Personal, A = Ambient, B = Field Blank
Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air
Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles, BI = Boiler, PL = Pipe Lagging, TP = Transite Panel
Sampling: AG = Aggressive, NA = Non-

Versar INC

Daily Asbestos Site Inspectional Report

Facility: YORKTOWN NAVAL WEAPONS STATION	Page 1 of 1
Job Title:	Date: 9/28/94
Project No.: 2777.001 (VERSAR)	Weather: CLEAR Temperature: 80 °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Descriptions of Work:

LOAD OUT OF DEBRIS WITH TRANSITE CONTINUED WITH ANOTHER 8 TRUCKS BEING LOADED OUT (24 TO DATE). LINING OF TRUCKS AND WATERING OF DEBRIS CONTINUED.

NEAR THE END OF THE DAY ONE SECTION OF PIPE WITH FRIABLE INSULATION WAS DISCOVERED IN AREA 1-4. THE EQUIPMENT OPERATOR STOPPED IMMEDIATELY WHEN THE MATERIAL WAS MOVED. THIS PIPE INSULATION IS WET AND WILL BE BAGGED BY A TRAINED ASBESTOS WORKER IN THE MORNING OF 9/29/94.

THE REVISIONS TO THE ACTIVITY ~~ANALYSIS~~ HAZARD ANALYSIS WERE COMPLETED AND THE NEW ANALYSIS WERE SUBMITTED TO SUPERVISOR FOR REVIEW.

Air Sample Data/Locations:

Number 6 INCLUDES 2 BLANKS

Type AREA + PERSONAL

Location 1-26

Inside Range <.005 TO <.009 f/cc

Outside Range <.002 TO .003 f/cc

Decon Range

Figure:

Health and Safety ASBESTOS WORKERS ARE STILL IN LEVEL "C" PPE.

Remarks/Delays

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

J:\ATLANTIC\COMMON\WAA\FORMS\DAILY.ASB

Revised: 12/17/93

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM

Program Manager: C. DILKS Sample Location: AREA 1-26

Date: 9/28/94 Shift: 1ST Samples Collected by: BRADLEY NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um/25mm Lot No: 081400

SAMPLE DATA

Sample No.	NWS94-58	NWS94-59	NWS94-60	NWS94-61	NWS94-62	NWS94-63
Pump No.	11327	11110	5347	NA	NA	11327
Time On	0802	0742	0743	BJN		1238
Time Off	1130	1443	1446			1441
Total Time (min)	BJN ~~50~~ 208	421	423			123
Flow Rate (LPM)	2.419	3.002	3.042			2.319
Volume (liters)	503.15	1263.84	1286.77			285.24
Employee Name/ID						
Results F/CC	<.005	.003	<.002			<.009
Fibers/Fields	.05	.075	.05	.00	.02	.025
Fibers/mm2	15.40	25.025	15.40			5.775
Detection Limit	.005	.002	.002			.009
95% UCL	.010	.004	.004			.017
Analyst	BJN	BJN	BJN	BJN	BJN	BJN
QC Recounts (F/CC)						
QC Analyst						

3.85

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-58	WORKER WATERING STOCKPILE		W	P	R		NA
59	BY TRUCK CAB AT WORK AREA	5'	O	G	R		NA
60	BY REAR OF TRUCK WORK AREA	5'	O	G	R		NA
61	FIELD BLANK						
62	LAB BLANK						
63	WORKER WATERING STOCKPILE		W	P	R		NA

Location: W = Work Area, O = Outside/Perimeter
Type: G = General Area, P = Personal, A = Ambient, B = Field Blank
Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air
Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles, BI = Boiler, PL = Pipe Lagging, TP = Transite Panel

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPONS STATION	Page 1 of 1
Job Title:	Date: 9/27/94
Project No.: 2777.001 (VERSAR)	Weather: CLEAR Temperature: 80 °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work

LOAD OUT OF THE DEBRIS WITH TRANSITE CONTINUES WITH ANOTHER 8 TRUCKS BEING LOADED OUT. LINING OF TRUCKS AND WATERING OF DEBRIS CONTINUE.

TRANSITE WAS DISCOVERED BY OPERATOR IN AREA 1-11. THIS MATERIAL WAS WETTED THEN REMOVED WITH THE RUBBER TIRE LOADER.

VERSAR REVISED THE ACTIVITY HAZARD ANALYSIS SECTION OF THE HEALTH AND SAFETY PLAN TO INCORPORATE JOB SPECIFIC ACTIVITIES AND HEALTH AND SAFETY CONCERNS. THESE REVISED ANALYSIS WERE PROVIDED TO THE OHM SUPERVISORS FOR REVIEW.

Air Sample Data/Locations

Number 6 INCLUDES 2 BLANKS

Type PERSONAL + AREA

Location AREAS 1-26 AND 1-11

Inside Range <.005 f/cc

Outside Range .002 TO .004 f/cc

Decon Range

Figure:

Health and Safety ALL WORKERS IN ASBESTOS AREA ARE STILL IN LEVEL "C" PPE

Remarks/Delays

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM

Program Manager: C. DILKS Sample Location: AREA 1-26

Date: 9/27/94 Shift: 1ST Samples Collected by: BRADLEY NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: 8um /25mm Lot No: 031400

SAMPLE DATA

Sample No.	NWS94-52	NWS94-53	NWS94-54	NWS94-55	NWS94-56	NWS94-57
Pump No.	11327	11110	5347	N/A	N/A	11327
Time On	0732	0740	0741			1137
Time Off	1136	1505	1507			1509
Total Time (min)	244	445	446			212
Flow Rate (LPM)	2.419	3.052	3.067			2.419
Volume (liters)	590.24	1358.14	1367.88			512.83
Employee Name/ID	T. BRANNON					T. BRANNON
Results F/CC	<.005	.004	.002			<.005
Fibers/Fields	.03	.11	.075	.01	.015	.06
Fibers/mm2	6.737	37.54	24.06	3.85	5.775	18.29
Detection Limit	.005	.002	.002			.005
95% UCL	.008	.004	.004			.010
Analyst	BJN	BJN	BJN	BJN	BJN	BJN
QC Recounts (F/CC)						
QC Analyst						

4.8125

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-52	PERSONAL ON OPERATOR (LOAD-OUT)		W	P	R		NA
53	BY TRUCK CAB	5'	O	G	R		NA
54	BY REAR OF TRUCK	5'	O	G	R		NA
55	FIELD BLANK			B			
56	LAB BLANK			B			
57	PERSONAL ON OPERATOR (LOAD-OUT)		W	P	R		NA

Location: W = Work Area, O = Outside/Perimeter
Type: G = General Area, P = Personal, A = Ambient, B = Field Blank
Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air
Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles.

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPON STATION	Page 1 of 1
Job Title:	Date: 9/26/94
Project No.: 2777.001 (VERSAR)	Weather: CLOUDY Temperature: 84 °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work:

LOAD-OUT OF THE DEBRIS CONTAINING TRANSITE BEGAN TODAY. EACH TRUCK (DUMP-TRAILER) WAS LINED WITH 6-MIL POLY, LOADED WITH A RUBBER TIRE LOADER AND THE POLY LINER WAS THEN SEALED. THE DEBRIS WAS KEPT WET DURING LOAD-OUT AND COVERED AT THE END OF THE SHIFT. THE DRIVERS WERE BRIEFED ON SITE REQUIREMENTS AND WERE REQUIRED TO REMAIN IN THE CAB WHILE BEING LOADED. AIR SAMPLES WERE COLLECTED ADJACENT TO THE CAB, AT THE REAR OF THE TRUCK AND ON THE EQUIPMENT OPERATOR.

Air Sample Data/Locations:

Number 6 INCLUDES 2 BLANKS

Type AREA AND PERSONAL

Location 1-26

BY TRUCK CAB

AT REAR OF TRUCK

PERSONAL ON OPERATOR

Inside Range <.006 TO <.007

Outside Range <.003

Decon Range

Figure:

Health and Safety EQUIPMENT OPERATOR WAS CAUTIONED ABOUT

Remarks/Delays METHOD OF LOADING DUE TO WET SOIL AND

Visitors/Events DROP OFF AT EDGE OF WORK AREA.

Inspector: Bradley J. Norton

Supervisor:

J:\ATLANTIC\COMMON\MWA\FORMS\DAILY.ASB

Revised: 12/17/93

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM
Program Manager: C. Dilks Sample Location: Area 1-26
Date: 9/26/94 Shift: 1ST Samples Collected by: Bradley Norton
Collection Method: 7400 Analyze For: Fibers
Sample Media: .8 um/25mm Lot No: 081400

SAMPLE DATA

Sample No.	NWS94-46	NWS94-47	NWS94-48	NWS94-49	NWS94-50	NWS94-51
Pump No.	11327	5347	11110	N/A	N/A	11327
Time On	0827	0849	0845			1131
Time Off	1130	1426	1425			1454
Total Time (min)	183	337	340			203
Flow Rate (LPM)	2.219	2.977	3.076			2.269
Volume (liters)	406.08	1003.25	1045.84			460.61
Employee Name/ID	T. Brannon					T. Brannon
Results F/CC	<.007	<.003	<.003			<.006
Fibers/Fields	.03	.055	.025	.02	.02	.03
Fibers/mm²	3.85	13.475	1.925	7.7	7.7	3.85
Detection Limit	.007	.003	.003			.006
95% UCL	.012	.005	.005			.011
Analyst	BJN	BJN	BJN	BJN	BJN	BJN
QC Recounts (F/CC)						
QC Analyst						

7.7

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-46	Personal, Rubber Tire Operator		W	P	R		NA
47	By Rear of Tractor Trailer	5'	O	G	R		NA
48	By Cab of Tractor Trailer	5'	O	G	R		NA
49	Field Blank			B			
50	Lab Blank			B			
51	Personal, Rubber Tire Operator		W	P	R		NA

Location: W = Work Area, O = Outside/Perimeter
Type: G = General Area, P = Personal, A = Ambient, B = Field Blank
Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air
Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles, BI = Boiler, PL = Pipe Lagging, TP = Transite Panel

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPONS STATION	Page 1 of 1
Job Title:	Date: 9/23/94
Project No.: 2777.001	Weather: CLOUDY Temperature: 80 °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work

NO ASBESTOS WORK WAS PERFORMED TODAY. EXCAVATION OF GENERAL DEBRIS WAS DONE THROUGH OUT THE DAY. THE OPERATION WERE MONITORED FOR HEALTH AND SAFETY PROCEDURES BUT NO AIR SAMPLES WERE COLLECTED.

Air Sample Data/Locations

Number 0

Type

Location

Inside Range

Outside Range

Decon Range

Figure:

Health and Safety LEVEL D PPE WAS WORN

Remarks/Delays

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

J:\ATLANTIC\COMMON\MWAA\FORMS\DAILY.ASB

Revised: 12/17/93

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPONS STATION	Page 1 of 1
Job Title:	Date: 9/22/94
Project No.: 2777.001 (VERSAR)	Weather: RAIN Temperature: 73 °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work:

RAIN STOPPED MOST WORK ON SITE. THE REMAINING SOIL WITH TRANSITE WAS MOVED INTO THE STAGING PILE WITH THE TRACKED EXCAVATOR.

TWO AREA SAMPLES WERE SET UP ON EITHER SIDE OF THE PILE. ONE PERSONAL SAMPLE WAS COLLECTED ON THE OPERATOR. ONE OF THE AREA SAMPLES FAULTED PROBABLY BECAUSE OF THE RAIN.

Air Sample Data/Locations

Number 5 INCLUDES 2 BLANKS

Type AREA + PERSONAL

Location AREA 1-26

Inside Range <.003

Outside Range .007

Decon Range

Figure:

Health and Safety DURING MORNING SAFETY MEETING USE AND LIMITATIONS OF

~~Remarks/Delays~~ THE H-NU (PID) WAS REVIEWED WITH ALL OHM SITE PERSONNEL.

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM

Program Manager: C. DILKS Sample Location: AREA 1-26

Date: 9/22/94 Shift: 1ST Samples Collected by: BRADLEY NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um/25mm Lot No: 081400

SAMPLE DATA

Sample No.	NWS94-41	NWS94-42	NWS94-43	NWS94-44	NWS94-45	
Pump No.	5347	11327	9089	N/A	N/A	
Time On	0943	0958	1005			
Time Off	1512	1511	FAULTED			
Total Time (min)	329	313				
Flow Rate (LPM)	2.319	3.052				
Volume (liters)	762.95	955.23				
Employee Name/ID	L.NICKOLS					
Results F/CC	<.003	.007				
Fibers/Fields	.05	.15		.02	.02	
Fibers/mm^2	11.55	50.05		7.7	7.7	
Detection Limit	.003	.003				
95% UCL	.006	.005				
Analyst	BJN	BJN				
QC Recounts (F/CC)						
QC Analyst						

7.7

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-41	EQUIPMENT OPERATOR AT STOCKPILE		W	P	R		NA
42	NORTH WEST OF STOCKPILE	5'	O	G	R		NA
43	NORTH EAST OF STOCKPILE	5'	O	G	R		NA
44	FIELD BLANK			B	R		
45	LAB BLANK			B	R		

Location: W = Work Area, O = Outside/Perimeter
Type: G = General Area, P = Personal, A = Ambient, B = Field Blank
Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air
Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles, BI = Boiler, PL = Pipe Lagging, TP = Transite Panel

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPONS STATION	Page 1 of 1
Job Title:	Date: 9/21/94
Project No.: 2777.001 (VERSAR)	Weather: CLEAR Temperature: 77 °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY J. NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work:

NO ASBESTOS WORK WAS PERFORMED TODAY.
SAMPLING AND EVALUATION OF STORED PAINT WAS PERFORMED BY AN OHM SAMPLING TECH. PID READING WERE TAKEN WITH THE H-NU, AND 10 PPM VOLITILE ORGANICS WERE DETECTED. LEVEL "C" PPE WAS THEN REQUIRED. THE VAPORS HAD GOOD WARNING PROPERTIES. AFTER CANS OF PAINT HAD BEEN OPENED FOR SAMPLING READING RESULTED 40-60 PPM AND SOME BREAKTHRU WAS NOTED WITH THE APR CARTRIDGES. LEVEL B PROTECTION WAS THEN USED TO COMPLETE THE OPERATION.

Air Sample Data/Locations

Number 0

Type

Location

Inside Range

Outside Range

Decon Range

Figure:

Health and Safety

Remarks/Delays

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

J:\ATLANTIC\COMMON\MWAA\FORMS\DAILY.ASB

Revised: 12/17/93

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPONS STATION	Page 1 of 1
Job Title:	Date: 9/20/94
Project No.: 2777.001 (VERSAR)	Weather: CLEAR Temperature: 80 °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work:

WASHING OF TREE STUMPS WAS PERFORMED IN THE MORNING. THIS WAS DONE BY LIFTING STUMPS WITH LOADER AND SPRAYING STUMP WITH FIRE HOSE. THIS WORK WAS COMPLETED AT NOON.

NO ASBESTOS WORK WAS DONE IN THE AFTER-NOON.

Air Sample Data/Locations

Number 5, INCLUDES 2 BLANKS

Type PERSONAL AND AREAS

Location

AREA 1-26

Inside Range <.013 f/cc

Outside Range <.003 TO .003 f/cc

Decon Range

Figure:

Health and Safety FULL FACE APR AND WHOLE BODY SUITS WORN

Remarks/Delays

Visitors/Events

Inspector: Bradley Norton

Supervisor:

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM

Program Manager: C. DILKS Sample Location: AREA 1-26

Date: 9/20/94 Shift: 1ST Samples Collected by: BRADLEY NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um/25mm Lot No: 081400

SAMPLE DATA

Sample No.	NWS94-36	NWS94-37	NWS94-38	NWS94-39	NWS94-40	
Pump No.	5347	1228	1230	N/A	N/A	
Time On	1018	1025	1024			
Time Off	1151	1146	1145			
Total Time (min)	93	81	81			
Flow Rate (LPM)	2.294	9.977	10.16			
Volume (liters)	213.34	808.14	822.96			
Employee Name/ID	L. SCOTT	N/A	N/A			
Results F/CC	<.013	.003	<.003			
Fibers/Fields	.025	.065	.03	.015	.02	
Fibers/mm^2	2.8875	18.23	4.8125	5.775	7.7	
Detection Limit	.013	.003	.003			
95% UCL	.023	.006	.006			
Analyst	BJN	BJN	BJN	BJN	BJN	
QC Recounts (F/CC)						
QC Analyst						

6.7375

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-36	PERSONAL ON MAN WITH WATER HOSE		W	P	C		NA
37	BETWEEN STOCKPILE AND WORK AREA	5'	O	G	C		NA
38	BETWEEN STOCKPILE AND WORK AREA	5'	O	G	C		NA
39	FIELD BLANK						
40	LAB BLANK						

Location: W = Work Area, O = Outside/Perimeter

Type: G = General Area, P = Personal, A = Ambient, B = Field Blank

Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air

Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles, BI = Boiler, PL = Pipe Lagging, TP = Transite Panel

Sampling: AG = Aggressive, NA = Non

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPONS STATION	Page 1 of 1
Job Title:	Date: 9/19/94
Project No.: 2777.001 (VERSAR)	Weather: CLEAR Temperature: 80 °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work

MATERIAL SOUTH OF THE STOCKPILE WAS EXCAVATED AND ADDED TO THE STOCKPILE. THIS WORK STOPPED AT ABOUT 1430 WHEN A TRUCK ARRIVED TO REMOVE PILES FROM THE SITE.

PERSONAL SAMPLES WERE COLLECTED ON THE OPERATOR WORK AT THE STOCKPILE AND AREA SAMPLES WERE COLLECTED BETWEEN THE STOCKPILE AND THE ROAD.

Air Sample Data/Locations

Number 8 INCLUDES 2 BLANKS

Type PERSONAL AND AREA

Location AREA 1-26

Inside Range <.015 f/cc

Outside Range <.003 TO .004 f/cc

Decon Range

Figure:

Health and Safety ~~Remarks/Delays~~ RESPIRATOR CARTRIDGES WERE SEEN AT THE DECON AREA. THESE SHOULD BE LEAVE IN THE TRAILERS OVERNIGHT.

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM

Program Manager: C. DILKS Sample Location: 1-26 STOCKPILE

Date: 9/19/94 Shift: 1ST Samples Collected by: BRAD NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um/25mm Lot No: 081400

SAMPLE DATA

Sample No.	NWS94-28	NWS94-29	NWS94-30	NWS94-31	NWS94-32	NWS94-33
Pump No.	9716	1228	1230	N/A	N/A	5347
Time On	0840	0843	0845		~~1248~~ BJN	1248
Time Off	FAULTED	1159	1200			1404
Total Time (min)		196	195			76
Flow Rate (LPM)		5.252	5.624			2.319
Volume (liters)		1029.39	1096.88			176.24
Employee Name/ID	L. NUCKOLS					L. NUCKOLS
Results F/CC		.004	.003			<.015
Fibers/Fields		.095	.075	.005	.02	.025
Fibers/mm²		31.76	24.06	1.925	7.7	4.8125
Detection Limit		.003	.002			.015
95% UCL		.005	.004			.023
Analyst		BJN	BJN			
QC Recounts (F/CC)						
QC Analyst						

4.8125

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-28	PERSONNEL ON EXCAVATOR OPERATOR AT STOCKPILE		W	P	R		NA
29	AT ROAD BY STOCKPILE	5'	O	G	R		NA
30	AT ROAD BY STOCKPILE	5'	O	G	R		NA
31	FIELD BLANK			B	R		NA
32	LAB BLANK			B	R		NA
33	PERSONNEL, EXCAVATOR OPERATOR, STOCKPILE		W	P	R		NA

Location: W = Work Area, O = Outside/Perimeter
Type: G = General Area, P = Personal, A = Ambient, B = Field Blank
Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air
Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles, BI = Boiler, PL = Pipe Lagging, TP = Transite Panel
Sampling: AG = Aggressive, NA = Non

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM

Program Manager: C. DILLS Sample Location: 1-26 STOCKPILE

Date: 9/19/94 Shift: 1ST Samples Collected by: BRAD NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um/25mm Lot No: 081400

SAMPLE DATA

Sample No.	NWS94-34	NWS94-35				
Pump No.	1228	1230				
Time On	1251	1252				
Time Off	1516	1517				
Total Time (min)	145	145				
Flow Rate (LPM)	5.252	5.724				
Volume (liters)	761.54	829.98				
Employee Name/ID	N/A	N/A				
Results F/CC	<.004	<.003				
Fibers/Fields	.04	.01				
Fibers/mm2	10.59	0.0				
Detection Limit	.004	.003				
95% UCL	.006	.006				
Analyst	BJN	BJN				
QC Recounts (F/CC)						
QC Analyst						

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-34	AT HEAD BY STOCKPILE	5'	O	G	R		NA
↓ 35	AT HEAD BY STOCKPILE	5	O	G	R		NA

Location: W = Work Area, O = Outside/Perimeter
Type: G = General Area, P = Personal, A = Ambient, B = Field Blank
Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air
Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles, BI = Boiler, PL = Pipe Lagging, TP = Transite Panel

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPONS STAT.	Page 1 of 1
Job Title:	Date: 9/16/94
Project No.: 2777.001 (VERSAR)	Weather: CLEAR Temperature: 83°F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work:

EXCAVATION AT AREA 1-11 WAS MONITORED AS WELL AS WORK AT THE STOCK PILE (AREA 1-26). AN EXCURSION AND A PERSONAL SAMPLE WERE COLLECTED ON THE EQUIPMENT OPERATOR AT THE STOCK PILE, AND A PERSONAL WAS COLLECTED ON THE OPERATOR IN AREA 1-11. AREA SAMPLES WERE COLLECTED ACRESS THE ROAD FROM THE EXCAVATION AT AREA 1-11. SAMPLES WERE ANALYZED ON SITE.

Air Sample Data/Locations

Number 7 INCLUDES 2 BLANKS

Type PERSONALS & AREA SAMPLES

Location

Inside Range .004 TO .006 F/cc

Outside Range < .002 f/cc

~~Decon Range~~ < .03f/cc
EXCURSION

Figure:

Health and Safety

Remarks/Delays

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

J:\ATLANTIC\COMMON\MWAA\FORMS\DAILY.ASB

Revised: 12/17/93

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM

Program Manager: C. DILKS Sample Location: AREAS 1-11 & 1-26

Date: 9/16/94 Shift: 1ST Samples Collected by: BRAD NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8 um/25 mm Lot No: 081400

SAMPLE DATA

Sample No.	NWS94-21	NWS94-22	NWS94-23	NWS94-24	NWS94-25	NWS94-26	NWS94-27
Pump No.	11327	9089	9089	1230	1228	NA	NA
Time On	0838 1316	0957 1323	0926	0913	0914		
Time Off	1158 1442	1200 1447	0956	1157	1156		
Total Time (min)	286	267	30	164	162		
Flow Rate (LPM)	2.244	2.64	2.6355	10.14	10.00		
Volume (liters)	641.78	704.88	79.065	1662.96	1620.00		
Employee Name/ID	L. NICKOLS	T. BRANNON	T BRANNON	N/A	N/A		
Results F/CC	.006	.004	<.03	<.002	<.002		
Fibers/Fields	.095	.075	0	.045	.05	.01	.02
Fibers/mm2	30.80	23.1	0.0	11.55 ~~.045~~ BJN	13.475 ~~.05~~ BJN	3.85	7.7
Detection Limit	.004	.004	.03	.002	.002		
95% UCL	.008	.007	.06	.003	.003		5.775
Analyst	BJN	BJN	BJN	BJN	BJN		
QC Recounts (F/CC)							
QC Analyst							

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-21	OPERATOR AT EXCAVATION 1-11		W	P	R		NA
22	OPERATOR AT STOCKPILE 1-26		W	P	R		NA
23	OPERATOR AT STOCKPILE (EXCURSION)		W	P	R		NA
24	ACRESS ROAD FROM 1-11	5'	O	G	R		NA
25	ACRESS ROAD FROM 1-11	5'	O	G	R		NA
26	FIELD BLANK						
27	LAB BLANK						

Location: W = Work Area, O = Outside/Perimeter

Type: G = General Area, P = Personal, A = Ambient, B = Field Blank

Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air

Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles, BI = Boiler, PL = Pipe Lagging, TP = Transite Panel

Versar INC

Daily Asbestos Site Inspection Report

Facility: NAVAL WEAPONS STATION, YORKTOWN	Page 1 of 1
Job Title:	Date: 9/15/94
Project No.: 2777.001 (VERSAR)	Weather: CLEAR Temperature: [illegible] °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work

WORK AREAS 1-10 AND 1-26 WERE INSPECTED. AREAS OF SOLID TRANSITE WERE BEING EXCAVATED IN AREA 1-10. THE EQUIPMENT OPERATOR WAS CAUTIONED ABOUT BREAKING THE TRANSITE. FUTURE LOAD OUT WAS OBSERVED AND [illegible] TRANSITE BREAKAGE WAS NOTED.

TWO PERSONAL SAMPLES AND TWO AREA SAMPLES WERE COLLECTED IN THE MORNING AND ANALYZED IN THE AFTERNOON. TWO ADDITIONAL PERSONAL SAMPLES AND TWO AREA SAMPLES WERE COLLECTED IN THE AFTERNOON. THREE OF THESE FOUR SAMPLES WERE SHUT OFF BY [illegible] AND NO VOLUME CAN BE CALCULATED AND THEREFORE ARE VOID.

Air Sample Data/Locations

Number 10 INCLUDES 2 BLANKS

Type PERSONAL AND AREA.

Location PERSONAL ON OPERATOR

Inside Range <.004 TO .015 f/cc

Outside Range .001 TO .002 f/cc

Decon Range

Figure:

Health and Safety FULL FACE APR AND WHOLE BODY SUITS WORN

Remarks/Delays

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN / OHM

Program Manager: C. DILKS Sample Location: AREAS 1-10 & 1-26

Date: 9/15/94 Shift: 1ST Samples Collected by: BRAD NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um / 25mm Lot No:

SAMPLE DATA

Sample No.	NWS94-11	NWS94-12	NWS94-13	NWS94-14	NWS94-15	NWS94-16
Pump No.	5347	11327	1228	1230		
Time On	0752	0803	0822	0825		
Time Off	1157	1204	1155	1154		
Total Time (min)	245	241	219	215		
Flow Rate (LPM)	2.244	2.219	9.967	10.17		
Volume (liters)	549.78	534.78	2187.15	2186.55		
Employee Name/ID	L. NICKOLS	L. SCOTT	N/A	N/A	N/A	N/A
Results F/CC	.015	<.004	.002	.001		
Fibers/Fields	.195	.065	.095	.085	.02	.03
Fibers/mm2	65.45	15.40	26.95	23.10	7.7	11.55
Detection Limit	.005	.005	.001	.001		
95% UCL	.009	.009	.002	.002		
Analyst	BJN	BJN	BJN	BJN		
QC Recounts (F/CC)						
QC Analyst						

9.625

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-11	OPERATOR (TRACK LOADER) AREA 1-10		W	P	R		NA
12	MAN WATERING PILES AREA 1-26		W	P	R		NA
13	ACROSS ROAD FROM AREA 1-10	5'	O	G	R		NA
14	ACROSS ROAD FROM AREA 1-10	5'	O	G	R		NA
15	FIELD BLANK			B			
16	LAB BLANK			B			

Location: W - Work Area, O - Outside/Perimeter
Type: G - General Area, P - Personal, A - Ambient, B - Field Blank
Phase: S - Pre-Start, E - Establish Containment, R - Removal, C - Clean, Up, F - Final Air
Abatement: FP - Fireproofing, CT - Ceiling Tiles, FT - Floor Tiles, BI - Boiler, PI - Pi...

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN / OHM

Program Manager: C. DILKS Sample Location: AREAS 1-10 + 1-26

Date: 9/15/94 Shift: 1ST Samples Collected by: BRAD NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um / 25mm Lot No:

SAMPLE DATA

Sample No.	NWS94-17	NWS94-18	NWS94-19	NWS94-20		
Pump No.	5347					
Time On	1301					
Time Off	1503					
Total Time (min)	122					
Flow Rate (LPM)	2.244					
Volume (liters)	273.77					
Employee Name/ID	L. Timpson					
Results F/CC	<.01					
Fibers/Fields	.035					
Fibers/mm2	3.85					
Detection Limit	.0098					
95% UCL	.018					
Analyst	BJN					
QC Recounts (F/CC)						
QC Analyst						

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NWS94-17	PERSONAL ON MAN WATERING AREA 1-10		W	P	R		NA
18	PERSONAL ON OPERATOR AREA 1-26		W	P	R		NA
19	NORTH EAST OF STOCKPILE 1-26	5'	O	G	R		NA
20	NORTH WEST OF STOCKPILE 1-26	5'	O	G	R		NA

Location: W = Work Area, O = Outside/Perimeter
Type: G = General Area, P = Personal, A = Ambient, B = Field Blank
Phase: S = Pre-Start, E = Establish Containment, R = Removal, C = Clean, Up, F = Final Air
Abatement: FP = Fireproofing, CT = Ceiling Tiles, FT = Floor Tiles, BI = Boiler, PL = Pipe Lagging

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPONS STA.	Page 1 of ____
Job Title:	Date: 9/14/94
Project No.: 2777.001 (VERSAR)	Weather: [illegible] Temperature: [illegible] °F
Contractor: CHA	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	Report Preparation Hours:
Time Arrived: 0700 Time Departed: 1530	Total Daily Hours: 8

Description of Work:

TOURED SITE WITH CHA SUPERINTENDANT [illegible] STOCKPILED PIPING WITH FRIABLE INSULATION [illegible] MATERIAL IN PROPERLY PACKAGED [illegible] [illegible]

COLLECTED PERSONAL SAMPLES [illegible] WATER TO DEBRIS BEING MOVED AND [illegible] TRACKED LOADER. THESE PUMPS [illegible] ONLY PARTIALLY CHARGED.

COLLECTED AND ANALYZED PERSONAL SAMPLES ALSO ANALYZED CHA SAMPLES [illegible]

Air Sample Data/Locations

Number 10 INCLUDES 2 BLANKS

Type PERSONAL AND AREA

Location

Inside Range

Outside Range

Decon Range

Figure:

Health and Safety

Remarks/Delays

Visitors/Events

Inspector:

Supervisor:

BJN

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN / OHM

Program Manager: C. DILKS Sample Location: AREA 1-14 AND 1-26

Date: 9/14/94 Shift: 1ST Samples Collected by: BILL NORTON

Collection Method: ~~8.0um/25mm~~ 7400/25mm Analyze For: FIBERS

Sample Media: .8um/25mm Lot No: 081400

SAMPLE DATA

Sample No.	NWS94-01	NWS94-02	NWS94-03	NWS94-04	NWS94-05	NWS94-06
Pump No.	6-855	9716	1230	1228	1667	N/A
Time On	0856	0852	0844	0845	0846	
Time Off	FAULTED	FAULTED	1104	1105	1106	
Total Time (min)			140	140	140	
Flow Rate (LPM)			9.962	10.17	10.36	
Volume (liters)			1394.68	1423.80	1450.40	
Employee Name/ID	L. Timpson		N/A	N/A	N/A	N/A
Results F/CC			<.002	<.002	<.002	
Fibers/Fields			.065	.035	.03	.02
Fibers/mm2			21.175	9.625	7.7	
Detection Limit			.002	.002	.002	
95% UCL			.004	.003	.003	
Analyst			BJN	BJN	BJN	BJN
QC Recounts (F/CC)						
QC Analyst						

3.05

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
01	MAN WATERING AREA 1-14		W	P	R		NA
02	MAN WATERING AREA 1-26		W	P	R		NA
03	NORTHEAST OF AREA 1-26	5'	O	G	R		NA
04	NORTH OF AREA 1-26	5'	O	G	R		NA
05	NORTHWEST OF AREA 1-26	5'	O	G	R		NA
06	FIELD BLANK			B			NA

Location: W - Work Area, O - Outside/Perimeter

Type: G - General Area, P - Personal, A - Ambient, B - Field Blank

Phase: S - Pre-Start, E - Establish Containment, R - Removal, C - Clean, Up, F - Final Air

Abatement: FP - Fireproofing, CT - Ceiling Tiles, FT - Floor Tiles.

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHM

Program Manager: C. DILLS Sample Location: AREA 1-10

Date: 9/14/94 Shift: 1ST Samples Collected by: DAVID NORTON

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um/25mm Lot No: 081400

SAMPLE DATA

Sample No.	NW594-07	NW594-08	NW594-09	NW594-10		
Pump No.	N/A	9089	1228	1230		
Time On		1027 1300	1302	1304		
Time Off		1136 FAULTED	1431	1432		
Total Time (min)			87	88		
Flow Rate (LPM)			10.18	9.987		
Volume (liters)			906.91	878.86		
Employee Name/ID			N/A	N/A		
Results F/CC			<.003	<.003		
Fibers/Fields	-0-		.015	.045		
Fibers/mm2	0.0		1.925	13.475		
Detection Limit			.003	.003		
95% UCL			.005	.006		
Analyst						
QC Recounts (F/CC)						
QC Analyst						

3.85

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
NW594-07	LAB BLANK			B			
08	OPERATOR (TRACK LOADER) AREAS 1-2 3 4 1-10		W	P	R		NA
09	ACRESS ROAD FROM AREA 1-10	5'	O	G	R		NA
10	ACRESS ROAD FROM AREA 1-10	5'	O	G	R		NA

Location: W - Work Area, O - Outside/Perimeter
Type: G - General Area, P - Personal, A - Ambient, B - Field Blank
Phase: S - Pre-Start, E - Establish Containment, R - Removal, C - Clean, Up, F - Final Air
Abatement: FP - Fireproofing, CT - Ceiling Tiles, FT - Floor Tiles,

INDUSTRIAL HYGIENE AIR SAMPLE DATA

Versar Job No.: 2777.001 Client: USN/OHA

Program Manager: C. D. LIKS Sample Location:

Date: 9-7-94 Shift: 1ST Samples Collected by: KEVIN MIDDER

Collection Method: 7400 Analyze For: FIBERS

Sample Media: .8um/25mm Lot No:

SAMPLE DATA

Sample No.	090794-01	090794-02	090794-03	090794-04		
Pump No.	RR008	RR009	RR013	2729		
Time On	1720	1720	1720	1720		
Time Off	1855	1855	1855	1855		
Total Time (min)	95	95	95	95		
Flow Rate (LPM)	15.00	15.00	14.75	2.025		
Volume (liters)	1425	1425	1401.25	192.375		
Employee Name/ID						
Results F/CC	.002	.002	.009	.016		
Fibers/Fields	.065	.07	.27	.065		
Fibers/mm^2	25.025	26.95	103.95	25.025		
Detection Limit	.002	.002	.002	.014		
95% UCL	.003	.003	.004	.025		
Analyst	BJN	BJN	BJN	BJN		
QC Recounts (F/CC)						
QC Analyst						

SAMPLE LOCATION

Sample #		Height	Location	Type	Phase	Abatement	Sampling
01	AREA 1-23, SOIL EXCAVATION AREA						
02	AT CRZ, SOIL EXCAVATION AREA						
03	30' FROM CRZ, SOIL EXCAVATION AREA						
04							

Location: W - Work Area, O - Outside/Perimeter
Type: G - General Area, P - Personal, A - Ambient, B - Field Blank
Phase: S - Pre-Start, E - Establish Containment, R - Removal, C - Clean, Up, F - Final Air
Abatement: FP - Fireproofing, CT - Ceiling Tiles, FT - Floor Tiles.

Versar INC

Daily Asbestos Site Inspection Report

Facility: YORKTOWN NAVAL WEAPONS STAT.	Page 1 of 1
Job Title:	Date: 9/13/94
Project No.: 2777.001 (VERSAR)	Weather: CLEAR Temperature: [illegible] °F
Contractor: OHM	Mob/Demob Hours:
Versar Inspector: BRADLEY NORTON	BJN Report Preparation Hours: 4 1/2 [illegible]
Time Arrived: 1400 Time Departed: 1530	Total Daily Hours: 6

Description of Work:

ARRIVED NWS, MET OHM SITE SUPERINTENDENT OBTAINED TEMPORARY BADGE DISCUSSED PROJECT STATUS WITH OHM, REVIEWED PREVIOUS SAMPLE DATA SHEETS. OHM HAS ASBESTOS CONTRACTOR'S LICENSE (2) [illegible] SUPERVISOR AND REPORTEDLY HAS AUTHORIZATION FROM VIRGINIA TO PROVIDE AWARENESS TRAINING TO WORKERS WHO ARE NOT LICENSED. TOURED SITE, NOTING LOCATIONS OF TRANSITE IN UNDISTURBED DEBRIS AND STOCKPILED MATERIAL.

Air Sample Data/Locations

Number 0

Type

Location AREAS 1-14, 1-[illegible] AND 1-16

Inside Range

Outside Range <.003 f/cc

Decon Range

Figure:

Health and Safety FULL FACE APR'S AND WHOLE BODY SUITS WORN.

Remarks/Delays

Visitors/Events

Inspector: Bradley J. Norton

Supervisor:

NOTIFICATION: THIS PAGE(S) CONTAINS SENSITIVE BUT UNCLASSIFIED INFORMATION WHICH IS PROTECTED BY THE FREEDOM OF INFORMATION ACT

EXEMPTION 6. (5 USC 552(b)(6)). Personal information affecting an individual's privacy.

FOR ADDITIONAL INFORMATION, PLEASE CONTACT

Commanding Officer, NAVFAC Mid Atlantic
Attention: Public Affairs Office
9742 Maryland Ave.
Norfolk, VA 23511-3095
Telephone: 757-445-8732
Fax: 757-445-4495
Email: NRFK_NFECML_Public_Affairs@navy.mil

APPENDIX I
WASTE MANIFESTS

CERTIFICATE OF DISPOSAL
FOR
DRUMS OF WASTE PAINT

Please Note: This material was sent out for disposal via incineration. It sometimes takes up to a year for ultimate disposal to take place. OHM will forward a copy of the Certificate of Disposal to the Navy for inclusion in this report as soon as it is available.

Published by J. J. KELLER & ASSOCIATES, INC., Neenah, WI 54957-0368

Removal of Paint Drums

[redacted]

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. VA.8.1.7.0.0.2.4.1.7.0
Manifest Document No. 0.0.0.0.3
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address Naval Weapons Station
Teague Road
Yorktown, VA 23694

4. Generator's Phone ( ) 804-887-0642

A. State Manifest Document Number 00003

B. State Generator's ID Same

5. Transporter 1 Company Name TRI STATE MOTOR TRANSIT CO
6. US EPA ID Number M.O.0.0.9.5.0.3.8.9.9.8

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone 1 800 568 1896

9. Designated Facility Name and Site Address Spring Grove Resource Recovery, Inc.
4879 Spring Grove Avenue
Cincinnati, OH 45232
10. US EPA ID Number O.H.D.0.0.0.8.1.6.6.2.9

G. State Facility's ID

H. Facility's Phone 513-681-5738

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	Waste Paint Related Material, 3, UN1263, PGII	0.0.2	DM	1.7.0	G	D001
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
11a. D007, D008

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a. U49412
In case of emergency call 1-800-011-tank
N87410

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEVEN M GODIO
Signature: Steven M Godio
Month 1.1 Day 1.0 Year 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Charlie R Lindsay
Signature: [illegible]
Month 1.1 Day 1.0 Year 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature
Month Day Year

Generator Land Disposal Restriction Notification for
Hazardous Wastes Subject to an Effective Prohibition Date

Generator Name: Naval Weapons Station
EPA ID No. VA 8170024170
Address: Teague Road
Yorktown, VA 23694
Contact (Print) STEVE GODIO / JEFF HARLOW
Signature: Steve Godio
Date: 10 Nov 94

The hazardous wastes identified on the accompanying manifest number 00003 and bearing the EPA Hazardous Waste Codes listed below are restricted wastes which are prohibited from land disposal under the Land Disposal Restrictions, 40 CFR Part 268. In accordance with 40 CFR 268.7(a)(1), the EPA waste code, waste subcategory, treatability groups, treatment standards, technology codes, and appropriate references, as applicable, are provided below:

I. Characteristic Wastes D001 through D017

Waste Code/Subcategory	Numerical Treatment Standard, Technology Code and/or Reference: Wastewater	Nonwastewater
[ ] D001 - All descriptions based on 40 CFR 261.21, except for the §261.21(a)(1) High TOC subcategory, managed in non-CWA/ non-CWA-equivalent/non-Class I SDWA systems.	[ ] DEACT, and meet F039; OR [ ] FSUBS, RORGS, or INCIN	[ ] DEACT, and meet F039; OR [ ] FSUBS, RORGS, or INCIN
IF "DEACT, AND MEET F039" IS CHECKED, THE GENERATOR MUST IDENTIFY ALL UNDERLYING HAZARDOUS CONSTITUENTS THAT ARE REASONABLY EXPECTED TO BE PRESENT IN THE WASTE. SEE SECTION I.A BELOW.		
[ ] D001 - All descriptions based on 40 CFR 261.21, except for the §261.21(a)(1) High TOC subcategory, managed in CWA, CWA-equivalent or Class I SDWA systems.	[ ] DEACT	[ ] DEACT
[✓] D001 - All descriptions based on 40 CFR 261.21(a)(1) High TOC Ignitable Liquids Subcategory (Greater than or equal to 10% TOC)	Not applicable	[✓] FSUBS, RORGS, or INCIN
[ ] D002 - All wastes (acids, alkalines, others) that are managed in non-CWA/ non-CWA-equivalent/non-Class I SDWA systems.	[ ] DEACT, and meet F039	[ ] DEACT, and meet F039
THE GENERATOR MUST IDENTIFY ALL UNDERLYING HAZARDOUS CONSTITUENTS THAT ARE REASONABLY EXPECTED TO BE PRESENT IN THE WASTE. SEE SECTION I.A BELOW.		
[ ] D002 - All wastes (acids, alkalines, others) that are managed in CWA, CWA-equivalent or Class I SDWA systems.	[ ] DEACT	[ ] DEACT
[ ] D003		
[ ] Reactive Sulfides	[ ] Ref 2 -- DEACT	[ ] Ref 2 -- DEACT
[ ] Reactive Cyanides	[ ] Ref 3	[ ] Ref 3
[ ] Explosives	[ ] Ref 2 -- DEACT	[ ] Ref 2 -- DEACT
[ ] Water Reactives	Not applicable	[ ] Ref 2 -- DEACT
[ ] Other (per §261.23(a)(1))	[ ] Ref 2 -- DEACT	[ ] Ref 2 -- DEACT
[ ] D004 - Arsenic	[ ] Ref 3	[ ] Ref 1
[ ] D005 - Barium	[ ] Ref 3	[ ] Ref 1
[ ] D006		
[ ] Cadmium	[ ] Ref 3	[ ] Ref 1
[ ] Cadmium Containing Batteries	Not applicable	[ ] Ref 2 -- RTHRM
[✓] D007 - Chromium	[ ] Ref 3	[✓] Ref 1
[✓] D008		
[✓] Lead	[ ] Ref 3	[✓] Ref 1
[ ] Lead Acid Batteries	Not applicable	[ ] Ref 2 -- RLEAD
[ ] D009 - Mercury		
[ ] Low Hg, < 260 mg/kg Hg	[ ] Ref 3	[ ] Ref 1
[ ] High Hg, > or = 260 mg/kg Hg, mercury and organics and are not incinerator residues	Not applicable	[ ] Ref 2 -- IMERC; or RMERC
[ ] High Hg, > or = 260 mg/kg Hg, inorganics including incinerator & RMERC residues	Not applicable	[ ] Ref 2 -- RMERC
[ ] D010 - Selenium	[ ] Ref 3	[ ] Ref 1
[ ] D011 - Silver	[ ] Ref 3	[ ] Ref 1
[ ] D012 - Endrin	[ ] Ref 2 -- BIODG; or INCIN	[ ] Ref 3
[ ] D013 - Lindane	[ ] Ref 2 -- CARBN; or INCIN	[ ] Ref 3
[ ] D014 - Methoxychlor	[ ] Ref 2 -- WETOX; or INCIN	[ ] Ref 3
[ ] D015 - Toxaphene	[ ] Ref 2 -- BIODG; or INCIN	[ ] Ref 3
[ ] D016 - 2,4-D	[ ] Ref 2 -- CHOXD; BIODG; or INCIN	[ ] Ref 3
[ ] D017 - 2,4,5-TP (Silvex)	[ ] Ref 2 -- CHOXD; or INCIN	[ ] Ref 3

I.A D001/D002 Hazardous Wastes Requiring "DEACT, and meet F039" Treatment Standard [Check one]

[ ] See attached LDR1 Addendum for identification of F039 underlying hazardous constituents.
[ ] This waste is intended for export to a treatment and disposal facility located outside the United States. Per U.S. EPA guidance, the identification of F039 underlying hazardous constituents is not required unless the waste is returned to the United States for treatment or disposal.

II. Spent Solvent Wastes F001 through F005

Spent Solvent Waste Code(s) -- Check all which apply: [ ] F001 [ ] F002 [ ] F003 [ ] F004 [ ] F005

Constituent	Wastewater (mg/l)	Nonwastewater (mg/kg) (by TCLP method (mg/l) where indicated by asterisk **)
[ ] Acetone	[ ] 0.28	[ ] 160
[ ] Benzene	[ ] 0.070	[ ] 3.7
[ ] n-Butyl alcohol	[ ] 5.6	[ ] 2.6
[ ] Carbon disulfide	[ ] 0.014	[ ] 4.8**
[ ] Carbon tetrachloride	[ ] 0.057	[ ] 5.6
[ ] Chlorobenzene	[ ] 0.057	[ ] 5.7
[ ] Cresol (m- and p- isomers)	[ ] 0.77	[ ] 3.2
[ ] o-Cresol	[ ] 0.11	[ ] 5.6
[ ] Cyclohexanone	[ ] 0.36	[ ] 0.75**
[ ] 1,2-Dichlorobenzene	[ ] 0.088	[ ] 6.2
[ ] 2-Ethoxyethanol (F005)	[ ] Ref 2 -- BIODG; or INCIN	[ ] Ref 2 -- INCIN
[ ] Ethyl acetate	[ ] 0.34	[ ] 33
[ ] Ethyl benzene	[ ] 0.057	[ ] 6.0
[ ] Ethyl ether	[ ] 0.12	[ ] 160
[ ] Isobutyl alcohol	[ ] 5.6	[ ] 170
[ ] Methanol	[ ] 5.6	[ ] 0.75**
[ ] Methylene chloride	[ ] 0.089	[ ] 33
[ ] Methylene chloride -- Pharmaceutical Industry Wastewater Only	[ ] 0.44	NA
[ ] Methyl ethyl ketone	[ ] 0.28	[ ] 36
[ ] Methyl isobutyl ketone	[ ] 0.14	[ ] 33
[ ] Nitrobenzene	[ ] 0.068	[ ] 14
[ ] 2-Nitropropane (F005)	[ ] Ref 2 -- (WETOX or CHOXD) fb CARBN; or INCIN	[ ] Ref 2 -- INCIN
[ ] Pyridine	[ ] 0.014	[ ] 16
[ ] Tetrachloroethylene	[ ] 0.056	[ ] 5.6
[ ] Toluene	[ ] 0.08	[ ] 28
[ ] 1,1,1-Trichloroethane	[ ] 0.054	[ ] 5.6
[ ] 1,1,2-Trichloroethane	[ ] 0.030	[ ] 7.6
[ ] Trichloroethylene	[ ] 0.054	[ ] 5.6
[ ] 1,1,2-Trichloro- 1,2,2-trifluoroethane	[ ] 0.057	[ ] 28
[ ] Trichlorofluoromethane	[ ] 0.02	[ ] 33
[ ] Xylenes (total)	[ ] 0.32	[ ] 28

III. California List Wastes -- Hazardous waste containing one or more of the following constituents:

[ ] Nickel > or = 134 mg/l
[ ] Liquids with PCB's > or = 50 ppm
[ ] Thallium > or = 130 mg/l
[ ] Waste containing HOC's > or = 1,000 mg/kg

IV. Other Listed Hazardous Wastes (F006-F012, F019-F028, F037, F038, K-, U-, and P-codes)

EPA Hazardous Waste Code	Wastewater or Nonwastewater	5-letter Technology Code (If applicable -- see Ref 2)	Reference(s) (Ref 1, Ref 2, and/or Ref 3)

[ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. IF CHECKED, USE LDR1 CONTINUATION SHEET.

References
Ref 1: See numerical treatment standard(s) in 40 CFR 268.41, Table CCWE - Constituent Concentrations in Waste Extract
Ref 2: See technology-based standard(s) in 40 CFR 268.42, Table 2 - Technology-Based Standard By RCRA Waste Codes
Ref 3: See numerical treatment standard(s), 40 CFR 268.43, Table CCW - Constituent Concentrations in Wastes

WASTE MATERIAL PROFILE SHEET

(Please complete all areas, leave nothing blank)

U49411

A. GENERAL INFORMATION

GENERATOR _____

FACILITY ADDRESS _____

SIC NUMBER _____

GENERATOR USEPA ID# _____

GENERATOR STATE ID # _____

TECHNICAL CONTACT _____

TECHNICAL CONTACT'S PHONE _____

BILL TO: OHM Remediation Services Corp.

BILL TO ADDRESS P.O. Box 4647 Trenton, NJ 08691

CLEAN HARBORS CONTACT PERSON _____

CLEAN HARBORS SERVICE CENTER LOCATION _____

SAMPLE APPROVAL P.O. # _____ W/O # _____

CUSTOMER CONTACT Tom Joyner

CUSTOMER CONTACT'S PHONE 609-588-6355

B. WASTE DESCRIPTION

COMMON NAME FOR WASTE virgin paint solids

PROCESS GENERATING THE WASTE site cleanup

C. PROPERTIES

PH ☐ <2 ☐ 2-4 ☒ 5-9 ☐ 10-12.5 ☐ >12.5 ACTUAL _____

% TOC _____ BTUs/POUND 7500 % ASH _____ % SULFUR _____ COLOR _____

% TOTAL CHLORINE _____ SPECIFIC GRAVITY/DENSITY _____ ODOR _____ % ACIDITY/ALKALINITY _____

FLASHPOINT (°F) ☐ <73° ☒ 73-99° ☐ 100-139° ☐ 140-200° ☐ >200° ☐ NONE

BOILING POINT (°F) ☐ < OR = 95° ☐ >95°

PHYSICAL STATE

☒ SOLID WITHOUT FREE LIQUID

☐ LIQUID WITH NO SOLIDS ☐ POWDER ☐ MULTILAYERED

☐ THICK VISCOUS LIQUID ☐ MONOLITH ☐ BILAYERED

☐ LIQUID/SOLID MIXTURE (INDICATE %) _____ % FREE LIQUID _____ % SETTLED SOLIDS _____ % TOTAL SUSPENDED SOLIDS

D. COMPOSITION

paint solids (heels of virgin, unused paint cans)	100 %		%

MSDS's ATTACHED ☐ YES ☒ NO

E. DEPARTMENT OF TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME Waste Paint Related Material, FLAMMABLE SOLID, N.O.S. 4.1, UN1263 PG III (MIXED SOLVENTS)

D.O.T. HAZARD CLASS OR DIVISION 3

UN/NA # UN1263 PACKING GROUP III HAZARD ZONE _____ RQ _____

F. SHIPMENT METHOD

☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (SIZES) 85

☐ OTHER (SPECIFY) _____

G. ANTICIPATED VOLUME

_____ ☐ GALS. ☒ DRUMS ☐ CUBIC YARDS

FREQUENCY ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR

H. WASTE DISPOSAL STATUS

USEPA HAZARDOUS WASTE ☒ YES ☐ NO

USEPA HAZARDOUS WASTE NUMBER(S) D001, D007, & D008

DOES THE WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD EFFECT THE WAY THAT IT SHOULD BE HANDLED? ☐ YES ☒ NO

STATE HAZARDOUS WASTE ☒ YES ☐ NO

STATE HAZARDOUS WASTE NUMBER(S) D001, D007, & D008

IS THIS A RESTRICTED WASTE UNDER THE LAND BAN REGULATIONS? ☒ YES ☐ NO

THIS WASTE IS A ☐ WASTEWATER ☒ NON-WASTEWATER PER USEPA DEFINITION, IN 40 CFR 268.2.

DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE? ☐ YES ☒ NO

IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS? ☒ YES ☐ NO

IF YES SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401. _____

DOES THE WASTE REQUIRE NOTIFICATION UNDER THE BENZENE NESHAP RULES? ☐ YES ☐ NO

I. OTHER HAZARDS

	YES	NO		YES	NO		YES	NO
OXIDIZER	☐	☒	INFECTIOUS, ETIOLOGICAL AGENT, PATHOGEN, OR BIOLOGICAL MATERIAL	☐	☒	HERBICIDE	☐	☒
WATER REACTIVE	☐	☒				EXPLOSIVE	☐	☒
RADIOACTIVE	☐	☒	CARCINOGENS	☐	☒	PYROPHORIC	☐	☒
DIOXIN	☐	☒	MUTIGEN, REPRODUCTIVE TOXINS	☐	☒	SHOCK SENSITIVE	☐	☒
			PESTICIDE	☐	☒	THERMALLY SENSITIVE	☐	☒

CHI :02 (1/2)

LAB COPY

Profile Number U 49411

CleanHarbors

U49411

TOXICITY CHARACTERISTIC COMPOUNDS CONCENTRATION. COMPLETED BASED ON ☑ KNOWLEDGE OR ☐ TESTING
IF BASED ON TESTING, INCLUDE ANALYTICAL RESULTS

WASTE NO.	COMPOUND	REGULATORY LEVEL (ppM)	CONCENTRATION (ppM) REPORTED AS ☐ TCLP	☐ TOTAL
METALS				
D004	ARSENIC	5.0		
D005	BARIUM	100.0		
D006	CADMIUM	1.0		
D007	CHROMIUM	5.0		
	CHROMIUM CR + 6			
D008	LEAD	5.0		
D009	MERCURY	0.2		
D010	SELENIUM	1.0		
D011	SILVER	5.0		
PESTICIDES AND HERBICIDES			☐ TCLP	☐ TOTAL
D012	ENDRIN	0.02		
D013	LINDANE	0.4		
D014	METHOXYCHLOR	10.0		
D015	TOXAPHENE	0.5		
D016	2,4-D	10.0		
D017	2,4,5-TP (SILVEX)	1.0		
D020	CHLORDANE	0.03		
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008		
VOLATILE ORGANIC COMPOUNDS			☐ TCLP	☐ TOTAL
D018	BENZENE	0.5		
D019	CARBON TETRACHLORIDE	0.5		
D021	CHLOROBENZENE	100.0		
D022	CHLOROFORM	6.0		
D028	1,2-DICHLOROETHANE	0.5		
D029	1,1-DICHLOROETHYLENE	0.7		
D035	METHYL ETHYL KETONE	200.0		
D039	TETRACHLOROETHYLENE	0.7		
D040	TRICHLOROETHYLENE	0.5		
D043	VINYL CHLORIDE	0.2		
SEMI-VOLATILE ORGANIC COMPOUNDS			☐ TCLP	☐ TOTAL
D023	o-CRESOL	200.0		
D024	m-CRESOL	200.0		
D025	p-CRESOL	200.0		
D026	CRESOL (TOTAL)	200.0		
D027	1,4-DICHLOROBENZENE	7.5		
D030	2,4-DINITROTOLUENE	0.13		
D032	HEXACHLOROBENZENE	0.13		
D033	HEXACHLOROBUTADIENE	0.5		
D034	HEXACHLOROETHANE	3.0		
D036	NITROBENZENE	2.0		
D037	PENTACHLOROPHENOL	100.0		
D038	PYRIDINE	5.0		
D041	2,4,5-TRICHLOROPHENOL	400.0		
D042	2,4,6-TRICHLOROPHENOL	2.0		

K. OTHER COMPOUNDS (ppM)

AMMONIA		TIN		TOTAL CYANIDE		HOCs	
BERYLLIUM		COBALT		AMENABLE CYANIDE		PCBs	
THALLIUM		NICKEL		F001-F005 SOLVENTS		CHELATORS	
COPPER		ZINC		SULFIDES		TOTAL PHENOL	

L. SAMPLE STATUS

A REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED ☐ YES ☑ NO SAMPLED BY _____ DATE SAMPLED _____

M. SPECIFIC GENERATOR REQUEST FOR DISPOSAL AND/OR COMMENTS

CLEAN HARBORS USE ONLY

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors Environmental Services, Inc. (CHESI) discovers a discrepancy during the approval process, Generator grants CHESI the authority to amend the profile, as CHESI deems necessary, to reflect the discrepancy.

Profile Number U49411

Confidential

WASTE MATERIAL PROFILE SHEET

(Please complete all areas, leave nothing blank)

U49412

A. GENERAL INFORMATION

GENERATOR _____

FACILITY ADDRESS _____

SIC NUMBER _____

GENERATOR USEPA ID# _____

GENERATOR STATE ID # _____

TECHNICAL CONTACT _____

TECHNICAL CONTACT'S PHONE _____

BILL TO: OMM Remediation Services Corp.

BILL TO ADDRESS PO Box 4647 Trenton, NJ 08671

CLEAN HARBORS CONTACT PERSON _____

CLEAN HARBORS SERVICE CENTER LOCATION _____

SAMPLE APPROVAL P.O. # _____ W/O # _____

CUSTOMER CONTACT Tom Joyner

CUSTOMER CONTACT'S PHONE 609-583-6355

B. WASTE DESCRIPTION

COMMON NAME FOR WASTE ~~waste paint~~ unused paint liquids (virgin)

PROCESS GENERATING THE WASTE site clean-up

C. PROPERTIES

PH ☐ <2 ☐ 2-4 ☑ 5-9 ☐ 10-12.5 ☐ >12.5 ACTUAL _____

% TOC _____ BTUs/POUND 7140.00 % ASH <10 % SULFUR _____ COLOR _____

% TOTAL CHLORINE _____ SPECIFIC GRAVITY/DENSITY _____ ODOR _____ % ACIDITY/ALKALINITY _____

FLASHPOINT (°F) ☐ <73° ☑ 73-99° ☐ 100-139° ☐ 140-200° ☐ >200° ☐ NONE

BOILING POINT (°F) ☐ < OR = 95° ☐ >95°

PHYSICAL STATE

☑ LIQUID WITH NO SOLIDS ☐ SOLID WITHOUT FREE LIQUID

☐ THICK VISCOUS LIQUID ☐ POWDER ☐ MULTILAYERED

☐ LIQUID/SOLID MIXTURE (INDICATE %) ☐ MONOLITH ☐ BILAYERED

_____ % FREE LIQUID _____ % SETTLED SOLIDS _____ % TOTAL SUSPENDED SOLIDS

D. COMPOSITION

	%		%
~~Solvent~~ paint (virgin)	90		
SOIL, PLASTIC, METAL DEBRIS	10		

MSDS's ATTACHED ☐ YES ☑ NO

E. DEPARTMENT OF TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME Waste Paint Related Material, ~~Flammable Liquid~~, 3, UN1263, pg II

D.O.T. HAZARD CLASS OR DIVISION 3

UN/NA # UN1263 PACKING GROUP II HAZARD ZONE _____ RQ _____

F. SHIPMENT METHOD

☐ BULK LIQUID ☐ BULK SOLID ☑ DRUM (SIZES) 85 gl

☐ OTHER (SPECIFY) _____

G. ANTICIPATED VOLUME

2 _____ ☐ GALS. ☒ DRUMS ☐ CUBIC YARDS

FREQUENCY ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR

H. WASTE DISPOSAL STATUS

USEPA HAZARDOUS WASTE ☒ YES ☐ NO

USEPA HAZARDOUS WASTE NUMBER(S) D001, D007, & D008

DOES THE WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD EFFECT THE WAY THAT IT SHOULD BE HANDLED? ☐ YES ☒ NO

STATE HAZARDOUS WASTE ☒ YES ☐ NO

STATE HAZARDOUS WASTE NUMBER(S) D001, D007, & D008

IS THIS A RESTRICTED WASTE UNDER THE LAND BAN REGULATIONS? ☑ YES ☐ NO

THIS WASTE IS A ☐ WASTEWATER ☑ NON-WASTEWATER PER USEPA DEFINITION, IN 40 CFR 268.2.

DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE? ☐ YES ☑ NO

IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS? ☐ YES ☑ NO

IF YES SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401. _____

DOES THE WASTE REQUIRE NOTIFICATION UNDER THE BENZENE NESHAP RULES? ☐ YES ☑ NO

I. OTHER HAZARDS

	YES	NO		YES	NO		YES	NO
OXIDIZER	☐	☑	INFECTIOUS, ETIOLOGICAL AGENT, PATHOGEN, OR BIOLOGICAL MATERIAL	☐	☑	HERBICIDE	☐	☑
WATER REACTIVE	☐	☑				EXPLOSIVE	☐	☑
RADIOACTIVE	☐	☑	CARCINOGENS	☐	☑	PYROPHORIC	☐	☑
DIOXIN	☐	☑	MUTIGEN, REPRODUCTIVE TOXINS	☐	☑	SHOCK SENSITIVE	☐	☑
			PESTICIDE	☐	☑	THERMALLY SENSITIVE	☐	☑

Profile Number U 49412

CHI 102 (1/2)

Clean Harbors

U49412

J. TOXICITY CHARACTERISTIC COMPOUNDS CONCENTRATION. COMPLETED BASED ON ☑ KNOWLEDGE OR ☐ TESTING
IF BASED ON TESTING, INCLUDE ANALYTICAL RESULTS

WASTE NO.	COMPOUND	REGULATORY LEVEL (ppM)	CONCENTRATION (ppM) REPORTED AS ☐ TCLP	☐ TOTAL
METALS				
D004	ARSENIC	5.0		
D005	BARIUM	100.0		
D006	CADMIUM	1.0		
D007	CHROMIUM	5.0		
	CHROMIUM CR +6			
D008	LEAD	5.0		
D009	MERCURY	0.2		
D010	SELENIUM	1.0		
D011	SILVER	5.0		
PESTICIDES AND HERBICIDES			☐ TCLP	☐ TOTAL
D012	ENDRIN	0.02		
D013	LINDANE	0.4		
D014	METHOXYCHLOR	10.0		
D015	TOXAPHENE	0.5		
D016	2,4-D	10.0		
D017	2,4,5-TP (SILVEX)	1.0		
D020	CHLORDANE	0.03		
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008		
VOLATILE ORGANIC COMPOUNDS			☐ TCLP	☐ TOTAL
D018	BENZENE	0.5		
D019	CARBON TETRACHLORIDE	0.5		
D021	CHLOROBENZENE	100.0		
D022	CHLOROFORM	6.0		
D028	1,2-DICHLOROETHANE	0.5		
D029	1,1-DICHLOROETHYLENE	0.7		
D035	METHYL ETHYL KETONE	200.0		
D039	TETRACHLOROETHYLENE	0.7		
D040	TRICHLOROETHYLENE	0.5		
D043	VINYL CHLORIDE	0.2		
SEMI-VOLATILE ORGANIC COMPOUNDS			☐ TCLP	☐ TOTAL
D023	o-CRESOL	200.0		
D024	m-CRESOL	200.0		
D025	p-CRESOL	200.0		
D026	CRESOL (TOTAL)	200.0		
D027	1,4-DICHLOROBENZENE	7.5		
D030	2,4-DINITROTOLUENE	0.13		
D032	HEXACHLOROBENZENE	0.13		
D033	HEXACHLOROBUTADIENE	0.5		
D034	HEXACHLOROETHANE	3.0		
D036	NITROBENZENE	2.0		
D037	PENTACHLOROPHENOL	100.0		
D038	PYRIDINE	5.0		
D041	2,4,5-TRICHLOROPHENOL	400.0		
D042	2,4,6-TRICHLOROPHENOL	2.0		

K. OTHER COMPOUNDS (ppM)

AMMONIA		TIN		TOTAL CYANIDE		HOCs	
BERYLLIUM		COBALT		AMENABLE CYANIDE		PCBs	
THALLIUM		NICKEL		F001-F005 SOLVENTS		CHELATORS	
COPPER		ZINC		SULFIDES		TOTAL PHENOL	

L. SAMPLE STATUS
A REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED ☐ YES ☑ NO SAMPLED BY _____ DATE SAMPLED _____

M. SPECIFIC GENERATOR REQUEST FOR DISPOSAL AND/OR COMMENTS

FOR CLEAN HARBORS USE ONLY

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors Environmental Services, Inc. (CHESI) discovers a discrepancy during the approval process, Generator grants CHESI the authority to amend the profile, as CHESI deems necessary, to reflect the discrepancy.

Jeff C Harlow — JEFFREY HARLOW — ENVIRONMENTAL ENG — 11/1/94
AUTHORIZED SIGNATURE — NAME (PRINT) — TITLE

Profile Number U49412

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 00132

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: NAVAL WEAPONS STATION (0963)
b. Generating Location: YORKTOWN, VA
c. Address: PO DRAWER 160
YORKTOWN, VA 23691
d. Address: TEAGUE RD
e. Phone No.:
f. Phone No.: 804-887-4353
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE NA
j. Description of Waste: GENERAL DEBRIS CONTAINING NON-HAZARDOUS; NON FRIABLE ASBESTOS
k. Quantity 50 Units Y3 Containers No. 1 TYPE T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - PLASTIC BAG; T - TRUCK; O - OTHER
UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Bernard Setterholm — Generator Authorized Agent Name
Bernard Setterholm — Signature
9/26/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: W. S. BRYANT
b. Address: RT. 3 BOX 214C
LYNCHBURG, VA 24504
c. Driver Name/Title: Print/Type
d. Phone No.: 804-993-2216
e. Truck No.: 24
f. Vehicle License No./State: CT 52474 VA
Acknowledgement of Receipt of Materials.
g. X Driver Signature — 9/26/94 Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI - KING & QUEEN LANDFILL
b. Physical Address: 1000 IRIS RD.
LITTLE PLYMOUTH VA. 23091
c. Phone No.: 804-785-2440
d. Mailing Address: SAME

e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

a. Operator's* Name: OHM CORP. / RE: RAC CONT. # N62470-93-D-3021
b. Operator's* Phone No.: 804-804-
c. Operator's* Address: P.O. BOX 148 LACKEY VA 23694
d. Special Handling Instructions and additional information: Wrapped ASBESTOS AVOID CRUSHING DUST

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: E. WAYNE WINCOURTNEY, PROJECT SUPERVISOR — Print/Type — Operator's* Signature
f. Name and Address of Responsible Agency: OHM CORPORATE HEADQUARTERS PO BOX 551 FINDLAY OHIO 45
g. ____ Friable; APPROX 50% Non-friable; ____ Both; ____ % friable; 100 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operations.

GENERATOR RETAIN

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

WEIGHED ON A [illegible] SCALE

No. 001378

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: NAVAL WEAPONS STATION
Address: P.O. DRAWER 160
YORKTOWN, VA. 23691

b. Generating Location: YORKTOWN
d. Address: TRIANGLE RD.

Phone No.:
f. Phone No.: 804-887-4535

Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

BFI WASTE CODE: NA

Description of Waste: GENERAL DEBRIS CONTAINING NON-HAZARDOUS; NON-FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

Price

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Bernard Sutterholm
Signature: Bernard Sutterholm
Shipment Date:

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J.S. BRYANT
Address: RT 3 BOX 274C
LYNCHBURG, VA. 24504

d. Phone No.: 804-993-2216
e. Truck No.:
f. Vehicle License No./State: PY74-946 VA
Acknowledgement of Receipt of Materials

Driver Name/Title: JOHN KYLE / DRIVER
Print/Type
g. Driver Signature
Shipment Date: 11/2/93

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI - King & Queen Landfill
Physical Address: 1000 IRIS RD.
LITTLE PLYMOUTH, VA 23091

c. Phone No.: 804-785-2946
d. Mailing Address: SAME

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

Operator's* Name: CHM CORP/AFI PAC CONT. # N62470-93-D-3032
b. Operator's* Phone No.:

Operator's* Address: P.O. Box 148, LACKEY, VA. 23694

Special Handling Instructions and additional information: DANGER, ASBESTOS AVOID CREATING DUST DO NOT [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's Name & Title: E. WARE WARBURTON / PROJECT SUPERVISOR
Print/Type
Operator's* Signature
Date: 9/22/93

Name and Address of Responsible Agency: CHM CORPORATE HEADQTRS P.O. BOX 551 FINDLAY, OHIO 45839

____ Friable; Approx 50% Non-friable; ____ Both ____ % friable 100 % nontriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

/93 GENERATOR RETAIN

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

TAIL # 3
No. 001379
42 700 LBS DHM

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

n I — GENERATOR (Generator completes all of Section I)

nerator Name: NAVAL WEAPONS STATION (0963) b. Generating Location: YORKTOWN VA

dress: P.O. DRAWER 160 d. Address: TEAGUE RD. AREA 55A

YORKTOWN, VA 23691

one No.: f. Phone No.: 804-887-4535

ner of the generating facility differs from the generator, provide:

wner's Name: h. Owner's Phone No.:

WASTE CODE NA

cription of Waste: General Debris containing Non Hazardous, Non Friable Asbestos

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

eby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, is in proper condition for transportation according to applicable regulations.

ERNARD SUTTERWALM — Bernard Sutterwalm — Shipment Date

rator Authorized Agent Name — Signature

ection II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

me: J.S. BOYANT d. Phone No.: 804-993-7216 e. Truck No.: 10

dress: Rt 3 Box 214 C f. Vehicle License No./State: PV 81-476

LYNCHBURG VA.

Acknowledgement of Receipt of Materials.

v. Name/Title: JAMES KNICKER / DRIVER — Print/Type

g. X — Driver Signature — 9/20 — Shipment Date

ection III — DESTINATION (Generator completes a-d; destination site completes e-f)

e Name: BFI - King & Queen Landfill c. Phone No.: 804 785-2146

ysical Address: 1000 Iris Rd. d. Mailing Address: Same

LITTLE PLYMOUTH VA 23091

screpancy Indication Space:

ereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

ne of Authorized Agent — Signature — Receipt Date

ection IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

perator's* Name: OHM Corp. for: NAC Cont. # N62470-93-D-3042 b. Operator's* Phone No.: 800-[illegible]

erator's* Address: PO Box 140 Lackey, VA 23694

ecial Handling Instructions and additional information: Danger Asbestos Avoid creating dust Don't puncture bags

RATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, ed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

rator's* Name & Title: E. Wayne Warrington — Print/Type — Project Supervisor — Operator's* Signature — 9/16/94 — Date

ddress ble Agency: OHM Corp. Hdqrs PO Box 551 Findlay Ohio 45839

Friable; NADA Non-friable; Both % friable 100 % nonfriable

Solely

erator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

21.85 Ton

260-7208-CONT

SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

No. 004380
38770

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: ANNAL WEAPONS STAT (09E3)
b. Generating Location: YORKTOWN VA
Address: P.O. DRAWER 160
YORKTOWN, VA. 23691
d. Address: TEAGUE AVE. AREAS SSA
Phone No.:
f. Phone No.: 804. 887-4535
Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:
EPA WASTE CODE NA
Description of Waste: GENERAL DEBRIS, CONTAINING NON HAZARDOUS, NON-FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M - CUBIC METERS; Y - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Bernard Settenholm
Signature: Bernard Settenholm
Shipment Date: 9/26/94

Section II — TRANSPORTER (Generator completes a-d: Transporter I complete e-g)

TRANSPORTER I

Name: J. S. BRYANT
d. Phone No.: 804 786-2146
e. Truck No.:
Address: RT. 3 BOX 214C
LYNCHBURG, VA. 23091
f. Vehicle License No./State: CT 45-993 VA
Acknowledgement of Receipt of Materials
Driver Name/Title: W. L. COUNTISH, OWNER (Print/Type)
g. Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI - KING & QUEEN LANDFILL
c. Phone No.: 804. 785-2196
Physical Address: 1080 IRIS RD.
LITTLE PLYMOUTH VA 23091
d. Mailing Address: SAME

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

Operator's* Name: DIM CORP. / RI: PAC CONT # N62470-93-D-
b. Operator's* Phone No.:
Operator's* Address: P.O. BOX 148 LUNKEY, VA 23694
Special Handling Instructions and additional information: CAUGHT ASBESTOS AVOID CREATING DUST DON'T PUNCTURE BAG

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E. WAYNE WINGERTON (Print/Type)
Operator's* Signature: PROJECT SUPERVISOR
Date: 9/26/94

Operator's* Address and Responsible Agency: DIM CORP. Hdqrs. P.O. BOX 551 FINDLAY OHIO 45839

____ Friable; MAT 50CY Non-friable; ____ Both 100 % friable ____ % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

GENERATOR RETAIN

18-SS

280-7208-CON

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001325

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

GENERATOR (Generator completes all of Section I)

r Name: NAVAL WEAPONS STATION
PO DRAWER 160
YORKTOWN, VA 23691

b. Generating Location: YORKTOWN, VA
d. Address: TEAGUE RD MEA SSA

o.: f. Phone No.: 804-887-4535

the generating facility differs from the generator, provide:
Name: h. Owner's Phone No.:

TE CODE NA

n of Waste	k. Quantity	Units	Containers No.	Containers TYPE
GENERAL DEBRIS INCLUDING NON-HAZARDOUS NON-FRIABLE ASBESTOS	50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

ertify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is rdous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, roper condition for transportation according to applicable regulations.

uthorized Agent Name: Jared Setterlein — Signature: [signature] — Shipment Date: 9/28/94

on II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I
J.S. BOYANT
RT 3 BOX 214C
LYNCHBURG, VA 24504

d. Phone No.: 804-993-2210
e. Truck No.: 11
f. Vehicle License No./State: PY 74946 VA
Acknowledgement of Receipt of Materials:

ai tle: [illegible] — Print/Type
g. Driver Signature — Shipment Date

on III DESTINATION (Generator completes a-d; destination site completes e-f)

ne: BFI - KING & QUEEN LANDFILL
Address: 1000 IRIS RD
LITTLE PLYMOUTH, VA 23091

c. Phone No.: 804-785-2146
d. Mailing Address: SAME

ncy Indication Space:
certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

uthorized Agent — Signature — Receipt Date

on IV ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

's* Name: OHM CORPORATION RAC CONT. # NC2470-93-D-3032
b. Operator's* Phone No.:
s* Address: PO BOX 148 LACKEY, VA 23694

ndling Instructions and additional information: DAMPEN ASBESTOS AVOID CREATING DUST. DO NOT FRACTURE

R'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, d labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Name & Title: F. WARE MANAGER — Print/Type
Operator's* Signature: PROJECT SUPERVISOR — Date: 9/28/94

ib cy: OHM CORPORATION PO BOX 551 FINDLAY OH 45839

Friable: MAX 50 CY Non-friable: ____ Both ____ % friable 100 % nonfriable

refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

30.55 Tons

GENERATOR RETAIN

208-CONT.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001326

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

55140 6-65 OHM

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: NAVAL WEAPONS STATION
Address: PO DRAWER 160
YORKTOWN VA 23691
Phone No.:

b. Generating Location: YORKTOWN VA
d. Address: TEAGUE Rd. MERCSA
f. Phone No.: 804-887-4535

Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

BFI WASTE CODE: NA

Description of Waste: GENERAL DEBRIS CONTAINING NON-HAZARDOUS; NON-FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	YS	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Bernard Sotterholm — Generator Authorized Agent Name
Bernard Sotterholm — Signature
9/26/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J.S. BAYANT
Address: Rt 3 Box 214 C
LYNCHBURG VA 24504

d. Phone No.: 804-993-2216
e. Truck No.: 10
f. Vehicle License No./State: CT 40971 VA
Acknowledgement of Receipt of Materials

Driver Name/Title: JAMES KYLE / DRIVER (Print/Type)
g. X [signature] — Driver Signature
9/26/94 — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI King & Queen LANDFILL
Physical Address: 1000 IRIS Rd.
LITTLE PLYMOUTH VA 23091

c. Phone No.: 804-785-3146
d. Mailing Address: SAME

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: OHM CORP / RE: RAC CONT # N62470-93-D-3032
b. Operator's* Phone No.: 804-[illegible]
Operator's* Address: P.O. Box 1148 LACKEY VA 23694

Special Handling Instructions and additional information: DANGER ASBESTOS, AVOID CREATING DUST, DONT FRACTURE PIPE

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator Name & Title: E. WARE WARBURTON — Print/Type
PROJECT SUPERVISOR — Operator's* Signature
9/26/94 — Date

Name & Address of Responsible Agency: OHM CORPORATE HEADQTS P.O. BOX 551 FINDLAY OHIO 45839

____ Friable; APPROX 50cy Non-friable; ____ Both ____ % friable 100 % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

2871

289-7209-CONT

SPECIAL WASTE & ASBESTOS MANIFEST

No. [illegible]

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: NAVAL WEAPONS STATION
b. Generating Location: YORKTOWN VA
c. Address: P.O. DRAWER 160
YORKTOWN, VA 23691
d. Address: TRAGUE RD MAIN GATE
e. Phone No.:
f. Phone No.: 804 887-4333
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: NA
j. Description of Waste: GENERAL DEBRIS CONTAINING NON HAZARDOUS NON FRIABLE ASBESTOS
k. Quantity: 50 Units: Y3 Containers No.: 1 TYPE: T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - SMALL PLASTIC BAG; BM - BAG; T - TRUCK; O - OTHER

UNITS: R - ROUNDS; Y - YARDS; M3 - CUBIC METERS; Y3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Bernard Setterholm — Generator Authorized Agent Name
Bernard Setterholm — Signature
9/26/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d: Transporter I complete e-g)

TRANSPORTER I

a. Name: J. S. BAYNOT
b. Address: RT 3 BOX 214C
LYNCHBURG VA 24504
c. Driver Name/Title: WL COUSINS / DRIVER — Print/Type
d. Phone No.: 804-993-2216 Truck No.: 5
e. Vehicle License No./State: PY-81-797 VA
f. Acknowledgement of Receipt of Materials
g. X W L Cousins — Driver Signature — 9/27/94 Shipment Date

Section III — DESTINATION (Generator completes a-d: destination site completes e-f)

a. Site Name: BFI - King & Queen County
b. Physical Address: 1000 Iris Rd.
LITTLE PLYMOUTH VA 23091
c. Phone No.: 804-[illegible]
d. Mailing Address: SAME
e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.
f. Name of Authorized Agent — Signature — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

a. Operator's* Name: OHM CORP. FOR RAC CONT. #
b. Operator's* Phone No.: 804-[illegible]
c. Operator's* Address: P.O. Box 145 LACKEY, VA 23694
d. Special Handling Instructions and additional information: DANGER ASBESTOS, AVOID CREATING DUST. DO NOT [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: E WARD WARBURTON — Print/Type
Project Supervisor — Operator's* Signature
9/26/94 — Date

f. Name and Address of Responsible Agency: OHM Corp Hdqrs PO Box 551 FINDLAY OHIO 45839

g. ____ Friable; MAMMOX Non-friable; ____ Both; ____ % friable; 100 % nonfriable
Soy

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

1/93

GENERATOR RETAIN

24 [illegible] 2 of 2

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

BFI

No. 001399

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

50720

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: NAVAL WEAPONS STA.
b. Generating Location: YORKTOWN, VA
c. Address: P.O. DRAWER 160 YORKTOWN VA. 23691
d. Address: TENGUE RD. AREA 31
e. Phone No.:
f. Phone No.: 804-887-4535

If owner of the generating facility differs from the generator, provide:

g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: NA
j. Description of Waste: GENERAL DEBRIS CONTAINING NON HAZARDOUS, NON FRIABLE ASBESTOS
k. Quantity: 50 Units: Y3 Containers No.: 1 TYPE: T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAGS; BA - BULK PLASTIC BAG; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

BERNARD SETTERHOLM — Generator Authorized Agent Name
Bernard Setterholm — Signature
Shipment Date

Section II — TRANSPORTER (Generator completes a-d: Transporter I complete e-g)

TRANSPORTER I

a. Name: J. S. BRYANT
b. Address: RT 3 BOX 214C LYNCHBURG VA. 24503
c. Driver Name/Title: Print/Type
d. Phone No.: 804-993-2246
e. Truck No.:
f. Vehicle License No./State:
Acknowledgement of Receipt of Materials
g. X Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d: destination site completes e-f)

a. Site Name: BFI KING & QUEEN LANDFILL
b. Physical Address: 1000 IRIS RD. LITTLE PLYMOUTH VA. 23091
c. Phone No.: 804-785-0346
d. Mailing Address: SAME

e. Discrepancy Indication Space:

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

a. Operator's* Name: OHM CORP. / RE: RAC CONT # N62470-93-D-5035
b. Operator's* Phone No.: 804-887-[illegible]
c. Operator's* Address: P.O. BOX 148, INCKLEY VA 23694
d. Special Handling Instructions and additional information: DANGER ASBESTOS, AVOID CREATING DUST OBEY [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: E. WAYNE WARBURTON, PROJECT SUPERVISOR
Print/Type
Operator's* Signature

f. Name and Address of Responsible Agency: OHM CORPORATE HEADQUARTS. P.O. BOX 551 FINDLAY OHIO [illegible]

g. ____ Friable; Approx 50cy Non-friable; ____ Both 100 % friable ____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

1/93

GENERATOR RETAIN

25.86 tons

BFI-705 CONT

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

Tracking Number

No. 001381

52360 LBS OHM

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

GENERATOR (Generator completes all of Section I)

tor Name: NAVAL WEAPONS STATION
b. Generating Location: YORKTOWN, VA
s: PO DRAWER 160
d. Address: TENGUE RD. SSA1
YORKTOWN VA 23691
No.:
f. Phone No.: 804-887-4535
f the generating facility differs from the generator, provide:
's Name:
h. Owner's Phone No.:
STE CODE NA
on of Waste: GENERAL DEBRIS CONTAINING HAZARDOUS & NON FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	1

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER

UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is zardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, proper condition for transportation according to applicable regulations.

BERNARD SETTERHOLM — Authorized Agent Name
Signature
Shipment Date

ion II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I
J.S. BOYANT
d. Phone No.: 804-993-2216
e. Truck No.: 10
ss: RT 3 BOX 214C
f. Vehicle License No./State: CT 40971 VA
LYNCHBURG VA 24504
Acknowledgement of Receipt of Materials.
Name/Title: JAMES KYLE DRIVER — Print/Type
g. X JAMES KYLE — Driver Signature
9/27/94 — Shipment Date

ion III DESTINATION (Generator completes a-d; destination site completes e-f)

ame: BFI - KING & QUEEN LANDFILL
c. Phone No.: 804-785-2146
al Address: 1000 IRIS RD.
d. Mailing Address: SAME
LITTLE PLYMOUTH VA 23091

pancy Indication Space:
y certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Authorized Agent
Signature
9/27/94 — Receipt Date

ion IV ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

tor's* Name: OHM CORP/RE: RAC CONT # N62470-93-D-3032
b. Operator's* Phone No.: 804-887-0662
r's* Address: PO. BOX 148 LACKEY, VA. 23694
Handling Instructions and additional information: DANGER ASBESTOS AVOID CREATING DUST. DO NOT FUMIGATE BAGS

TOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

* Name & Title: E. WARE VAN BURTON — Print/Type
Project Supervisor — Operator's* Signature
9/27/94 — Date

ss
gency: OHM Corp. Hdqrs P.O. Box 551 Findlay, Ohio 45839

Friable: APPROX Non-friable; ____ Both ____ % friable 100 % nonfriable
SOCY

or refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

26.18 tons

ASS208-00NT

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001398

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: NAVAL WEAPONS STA.
b. Generating Location: YORKTOWN VA
c. Address: PO DRAWER 160 YORKTOWN VA 23691
d. Address: TEAGUE RD
e. Phone No.:
f. Phone No.: 804 887-4535
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE NA
j. Description of Waste: GENERAL DEBRIS CONTAINING NON-HAZARDOUS, NON-FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Bernard Settlehulm
Signature: Bernard Settlehulm
Shipment Date: 9/27/94

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: J.S. BAYANT
b. Address: RT 3 BOX 314 C LYNCHBURG VA. 24504
c. Driver Name/Title: W.L. COUSINS / DRIVER (Print/Type)
d. Phone No.: 804-993-2216
e. Truck No.:
f. Vehicle License No./State: CT40993 - VA
Acknowledgement of Receipt of Materials.
g. Driver Signature: [illegible]
Shipment Date: 9/30/94

Section III — DESTINATION (Generator completes a-d: destination site completes e-f)

a. Site Name: BFI - KING & QUEEN LANDFILL
b. Physical Address: 1100 IRIS RD. LITTLE PLYMOUTH 23091
c. Phone No.: 804 785-2140
d. Mailing Address: SAME

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent:
Signature:
Receipt Date: 9/27/94

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

a. Operator's* Name: OHM CORP/RE: PAC CONT # N62470-93-D-5032
b. Operator's* Phone No.: 804-887-[illegible]
c. Operator's* Address: P.O. BOX 148 LACKEY, VA. 23694
Special Handling Instructions and additional information: DANGER ASBESTOS. AVOID CREATING DUST. DON'T [illegible]

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Generator's* Name & Title: F. WAYNE WADDELL (Print/Type)
Operator's* Signature: Project Supervisor
Date: 9/30/94

Name & Address of Responsible Agency: OHM Corp Headqrts. P.O. Box 551, Findlay, Ohio 45839

___ Friable; APPROX 50cy Non-friable; ___ Both ___ % friable 100 % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

Page 1 of 1

No. 001383

51850 LBS OHM

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: NAVAL WEAPONS STATION
b. Generating Location: YORKTOWN VA
Address: P.O. DRAWER 160
YORKTOWN VA. 23691
d. Address: TEAGUE Rd. SSA1
Phone No.:
f. Phone No.: 804-887-4531
If owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

WASTE CODE NA.

Description of Waste	k. Quantity	Units	Containers No.	Containers TYPE
General debris containing hazardous non-friable asbestos	50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M3 - CUBIC METERS; Y3 - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Bernard Sattenholm
Signature: Bernard Sattenholm
Shipment Date: 9/27/94

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J.S. BRYANT
d. Phone No.: 804-993-2210
Address: Rt 3 Box 214C
LYNCHBURG VA. 24504
f. Vehicle License No./State: CT 41035 VA
Acknowledgement of Receipt of Materials:
Receiver Name/Title: John Kyle / DRIVER (Print/Type)
g. Driver Signature
Shipment Date: 9/27/94

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI - KING + QUEEN LANDFILL
c. Phone No.: 804-785-2140
Physical Address: 1000 IRIS Rd.
LITTLE PLYMOUTH VA 23091
d. Mailing Address: SAME

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date: 9/27/94

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

Operator's* Name: Ohm Corp. Hdqrts/RE: PAC (Out of NO2470-93)
b. Operator's* Phone No.: (804-887-0100)
Operator's* Address: P.O. Box 148 LACKEY, VA. 23694

Special Handling Instructions and additional information: DANGER ASBESTOS AVOID CREATING DUST DON'T BREATHE DUST

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E. WARE WARBURTON / PROJECT SUPERVISOR (Print/Type)
Operator's* Signature
Date: 9/27/94

Address of Disposal Agency: Ohm Corp. Hdqrts. P.O. Box 551 FINDLAY, OHIO 45839

___ Friable; APPROX ___ Non-friable; ___ Both ___ % friable 100 % nonfriable

Socy

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

26.925 tons

280-7208

ECIAL WASTE & ASBESTOS MANIFEST

No. 001

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

49510

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: Naval Weapons Sta.
b. Generating Location: Yorktown
c. Address: P.O. Drawer 160 Yorktown, VA 23691
d. Address: Hague Rd.
e. Phone No.:
f. Phone No.: 804-887-
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE NA
j. Description of Waste: General Debris containing Non-Hazardous; Non-Friable Asbestos
k. Quantity: 50 Units: Y3 Containers No.: 1 TYPE: T

TYPE: DM = METAL DRUM; DP = PLASTIC DRUM; B = BAG; BA = METAL/PLASTIC BAG; CB = CARDBOARD; T = TRUCK; O = OTHER
UNITS: P = POUNDS; Y = YARDS; M³ = CUBIC METERS; Y³ = CUBIC YARDS; O = OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name — Signature — Shipment Date: 9/27/94

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: J.S. Bryant
b. Address: Rt 3 Box 314C Lynchburg VA.
c. Driver Name/Title: Driver (Print/Type)
d. Phone No.: 804-993-2216
e. Truck No.: 24
f. Vehicle License No./State: CT 52-474 VA
Acknowledgement of Receipt of Materials
g. X (Driver Signature) — Shipment Date: 9/27/94

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI King & Queen Landfill
b. Physical Address: 1000 Jess Rd. Little Plymouth, VA. 23091
c. Phone No.: 804-785-
d. Mailing Address: Same
e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

a. Operator's* Name: Olm Corp/Al Rac Cont. #N 62470-93-D-3032
b. Operator's* Phone No.:
c. Operator's* Address: P.O. Box 148 Lackey, VA 23694
d. Special Handling Instructions and additional information: Danger Asbestos Avoid creating dust
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.
e. Operator's* Name & Title: F. Ware Warburton (Print/Type) — Project Supervisor (Operator's* Signature)
f. Name and Address of Responsible Agency: Olm Corp Heights PO Box 551 Findlay, Ohio 45839
g. ____ Friable; Approx 50 cy Non-friable; ____ Both; 1 % friable; 100 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

1/93

GENERATOR RETAIN

24.76 tons

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001385

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

5 4110 LBS

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: NAVAL WEAPONS STA.
b. Generating Location: YORKTOWN, VA.
Address: P.O. DRAWER 160
YORKTOWN VA. 23691
d. Address: TENGUE RD. AREA 55A
Phone No.:
f. Phone No.: 804-887-4535
If owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:
WASTE CODE NA
Description of Waste: General debris containing non friable asbestos
k. Quantity: 50 Units: Y3 Containers No.: 1 TYPE: T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: LEONARD SETTERHOLM
Signature: Bernard Setterholm
Shipment Date: 9/27/94

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I
Name: J.S. BRYANT
d. Phone No.: 804-993-2216
e. Truck No.: 10
Address: Rt 3 Box 214C
LYNCHBURG, VA. 24504
f. Vehicle License No./State: CT 40-971 VA
Acknowledgement of Receipt of Materials
Receiver Name/Title: Print/Type
g. Driver Signature: [illegible]
Shipment Date: 9/27/94

Section III — DESTINATION (Generator completes a-d: destination site completes e-f)

Site Name: BFI - KING & QUEEN LANDFILL
c. Phone No.: 804-785-2146
Physical Address: 1000 IRIS RD.
LITTLE PLYMOUTH VA 23091
d. Mailing Address: SAME

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Site Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

Operator's* Name: OHM CORP./AE: ARC CONT. # N62470-93-D-5032
b. Operator's* Phone No.: (804)
Operator's* Address: P.O. BOX 148, LACKEY VA. 23694
Special Handling Instructions and additional information: DANGER ASBESTOS AVOID CREATING DUST. DON'T [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E. WARE WARBURTON (Print/Type)
Operator's* Signature: Project Supervisor
Date: 9/27/94

Address of Responsible Agency: OHM Corp Hdqrts P.O. Box 551 FINDLAY OHIO 45839

___ Friable; APPROX 50 CY Non-friable; ___ Both ___ % friable 100 % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

280-7208-CONT

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 0019 [illegible]

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: NAVAL WEAPONS STA.
Address: P.O DRAWER 160
YORKTOWN VA 23691
Phone No.:

b. Generating Location: YORKTOWN
d. Address: TEAGUE RD
f. Phone No.: 804-887-4135

owner of the generating facility differs from the generator, provide:
. Owner's Name:
h. Owner's Phone No.:

BFI WASTE CODE NA

Description of Waste: GENERAL DEBRIS CONTAINING NON-HAZARDOUS; NON-FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG; W - WRAP or WRAPPER; T - TRUCK; O - OTHER

UNITS: R - ROUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations.

BERNARD SETTERHOLM — Generator Authorized Agent Name
Bernard Setterholm — Signature
9/27/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I
. Name: J.S. BRYANT
. Address: RT 3 BOX 214C
LYNCHBURG VA. 24504
. Driver Name/Title: WL COUSINS / DRIVER (Print/Type)

d. Phone No.: 804-993-2216
e. Truck No.
f. Vehicle License No./State: CT40-993 VA
Acknowledgement of Receipt of Materials
g. W. L. COUSINS — Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

. Site Name: BFI - KING & QUEEN LANDFILL
). Physical Address: 1000 IRIS Rd.
LITTLE PLYMOUTH 23091

c. Phone No.: 804-785-[illegible]
d. Mailing Address: SAME

). Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

a. Operator's* Name: OHM CORP/RE: CAC CONT. # NG2470-93-D-3032
b. Operator's* Phone No.: 804-[illegible]
c. Operator's* Address: P.O BOX 148 LACKEY VA 23694
d. Special Handling Instructions and additional information: DANGER ASBESTOS AVOID CREATING DUST DONT [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and [illegible] marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: E. WARE WARBURTON — Print/Type
PROJECT SUPERVISOR — Operator's* Signature
9/27/94

. Name and Address of Responsible Agency: OHM CORP HDQRTS P.O BOX 551 FINDLAY, OHIO 45839

g. ____ Friable; APPROX 50CY Non-friable; ____ Both ____ % friable 100 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operations or both

1/93 GENERATOR RETAIN 26.39 tons 269-7208 CON

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

BFI

No. 001386

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

119240 LKS OHM

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: NAVAL WEAPONS STA.
Address: PO DRAWER 160
YORKTOWN, VA 23691

b. Generating Location: YORKTOWN VA
d. Address: TEAGUE RD AREA 55

Phone No.:
f. Phone No.: 804-887-4531

Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

BFI WASTE CODE NA

Description of Waste: GENERAL DEBRIS CONTAINING NON HAZARDOUS NON-FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M - CUBIC METERS; Y - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name — Signature — Shipment Date 9/27/94

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J.S. BRYANT
Address: RT 3 BOX 214 C
LYNCHBURG, VA 24504

d. Phone No.: 804-993-2216 e. Truck No.: 4

f. Vehicle License No./State: CT 41-035

Acknowledgement of Receipt of Materials

Driver Name/Title: JOHN KYLE / DRIVER (Print/Type)

g. Driver Signature — Shipment Date 9/27/94

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI - KING & QUEEN LANDFILL
c. Phone No.: 804-785-3146

Physical Address: 1000 IRIS RD
LITTLE PLYMOUTH VA 23091

d. Mailing Address: SAME

Discrepancy Indication Space:

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Date 9/27/94

Section IV — ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Generator's* Name: OHM CORP/RE. PAC CONT. # N62470-93-D-3032
b. Operator's* Phone No.: 804-[illegible]

Generator's* Address: P.O. BOX 148 LACKEY, VA 23694

Special Handling Instructions and additional information: DANGER ASBESTOS AVOID CREATING DUST DOT REGULATIONS

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Generator's* Name & Title: C. WARD WARRINGTON (Print/Type) — Operator's* Signature: PROJECT SUPERVISOR — Date 9/27/94

Address of Responsible Agency: OHM CORP HEADQ. PO BOX 551, FINDLAY, OHIO 45839

___ Friable; MARK Non-friable; ___ Both ___ % friable 100 % nonfriable

50 CY

*Generator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN — 0167 — 260-7209-CONT.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 00138

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

44240

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: NAVAL WEAPONS STA.
b. Generating Location: YORKTOWN VA.
c. Address: PO DRAWER 160 YORKTOWN VA. 23691
d. Address: TEAGUE RD. NORFOLK
e. Phone No.:
f. Phone No.: 804-887-
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: NA
j. Description of Waste: GENERAL DEBRIS CONTAINING NON HAZARDOUS; NON FRIABLE ASBESTOS
k. Quantity: 50 Units: Y3 Containers No.: 1 TYPE: F

TYPE: DM METAL DRUM; DP PLASTIC DRUM; B BAG; BA BAG; T TRUCK; O OTHER; P POUNDS; Y YARDS; M CUBIC METERS; CY CUBIC YARDS; O OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations.

Bernard Settenhem — Generator Authorized Agent Name
Bernard Settenhem — Signature
9/27/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: J. S. BRYANT
b. Address: Rt 3 Box 214 C LYNCHBURG VA 24504
c. Driver Name/Title: Print/Type
d. Phone No.: 804-993-2210
e. Truck No.: 24
f. Vehicle License No./State: CT 52-474
Acknowledgement of Receipt of Materials
g. Driver Signature — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI - King & Queen LANDFILL
b. Physical Address: 1000 IRIS R.D. LITTLE PLYMOUTH VA. 23091
c. Phone No.: 804-785-
d. Mailing Address: SAME

e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

a. Operator's* Name: OHM CORP. / AL. ANC CONT. # N62470-93-D-3032
b. Operator's* Phone No.: 804-887-
c. Operator's* Address: P.O. Box 148 LACKEY VA. 23694
d. Special Handling Instructions and additional information: DANGER ASBESTOS AVOID CREATING DUST, DONT PUNCTURE BAGS

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: E WARE WARBURTON — Print/Type
PROJECT SUPERVISOR — Operator's* Signature

f. Name and Address of Responsible Agency: OHM CORP. Hdqrts. P.O. Box 551 FINDLAY OHIO 45839

g. ____ Friable; Approx 50cy Non-friable, ____ Both ____ % friable 100 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operations, or both.

1/93 — GENERATOR RETAIN — 22.12 tons — 889-7208-CONT

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001388

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: NAVAL WEAPONS STA
b. Generating Location: YORKTOWN VA
Address: PO DRAWER 160
d. Address: TEAGUE RD
YORKTOWN VA 23691
Phone No.:
f. Phone No.: 804-887-4535
Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:
WASTE CODE NA
Description of Waste: GENERAL DEBRIS REMOVAL
containing NON HAZARDOUS NON-FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [illegible] — Signature: [signature] — Shipment Date:

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J S BRYANT
d. Phone No.: 804-993-2216
e. Truck No.: 10
Address: RT 3 BOX 214C
f. Vehicle License No./State: CT 40-917 VA
LYNCHBURG VA 24504
Acknowledgement of Receipt of Materials.
Driver Name/Title: JAMES KYLE / DRIVER (Print/Type)
g. Driver Signature: [signature] — Shipment Date: 9/28/94

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI King & Queen Landfill
c. Phone No.: 804-785-[illegible]
Physical Address: 1006 IRIS RD.
d. Mailing Address: SAME
LITTLE PLYMOUTH VA 23091

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

Operator's* Name: OHM CORP/RE: RAC CONT. # N62470-93-D-3032
b. Operator's* Phone No.: 804-887-0[illegible]
Operator's* Address: PO BOX 148, JACKEY, VA 23094
Special Handling Instructions and additional information: DAMPER ASBESTOS AND BRIDGE, DUST, DUST FRACTURE-SAS

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: T. WAYNE HARRISON (Print/Type) — Operator's* Signature: [signature] Project Supervisor — Date: 9/28/94

Address of Responsible Agency: OHM Corp Hdqrs, P.O. Box 551, Findlay, OH 45839

____ Friable; Approx 50cy Non-friable; ____ Both ____ % friable 100 % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

GENERATOR RETAIN

28.88 tons

280-720B-CON

ECIAL WASTE & ASBESTOS MANIFES

No. 001388
64910

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: NAVAL WEAPONS STA
b. Generating Location: YORKTOWN, VA
c. Address: P.O. DRAWER 160 YORKTOWN, VA. 23691
d. Address: TEAGUE RD
e. Phone No.:
f. Phone No.: 804-887-
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:

BFI WASTE CODE: NA

Description of Waste: GENERAL DEBRIS CONTAINING NON-HAZARDOUS; NON-FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM METAL DRUM; DP PLASTIC DRUM; BA BAG; BP PLASTIC BAG; BW BOX; T TRUCK; O OTHER

UNITS: P POUNDS; Y YARDS; M³ CUBIC METERS; Y³ CUBIC YARDS; O OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations.

BERNARD SETTERHOLM — Generator Authorized Agent Name
Bernard Setterholm — Signature
Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: J. S. BRYANT
b. Address: RT 3 BOX 214C LYNCHBURG VA. 24504
c. Driver Name/Title: John Tyle — Print/Type
d. Phone No.: 804-993-2260 Truck No.
e. Vehicle License No./State: CT-41-03 VA
Acknowledgement of Receipt of Materials
g. X John Tyle — Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI KING & QUEEN LANDFILL
b. Physical Address: 1000 IRIS RD LITTLE PLYMOUTH VA 23091
c. Phone No.: 804-
d. Mailing Address: SAME

e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

a. Operator's* Name: OHM CORP/RE: ENC CONT. # N62470-93-D-3831
b. Operator's* Phone No.: 804-
c. Operator's* Address: PO BOX 148 LACKEY, VA. 23694
d. Special Handling Instructions and additional information: DANGER ASBESTOS AVOID BREATHING DUST, DO NOT PUNCTURE BAGS

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: E DUANE WARBURTON — Print/Type
PROJECT SUPERVISOR — Operator's* Signature
Date

f. and Address of Responsible Agency: OHM CORP ATTN: PO BOX 551 FINDLAY OHIO 45839

g. ____ Friable; Approx. 50cy Non-friable; ____ Both ____ % friable 100 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or t

32.455 tons

CIAL WASTE & ASBESTOS MANIFES

No. 001391

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

57,230

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: NAVAL WEAPONS STA
Address: P.O DRAWER 160
YORKTOWN VA. 23691

b. Generating Location: YORKTOWN
d. Address: TEAGUE RD.
Phone No.:
f. Phone No.: 804-887-4535

Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

FI WASTE CODE: NA

Description of Waste: GENERAL DEBRIS - CONTAINING NON-HAZARDOUS; NON-FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Bernard Settlehoen
Signature: Bernard Settlehoen
Shipment Date: 9/26/94

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J S BRYANT
Address: RT 3 BOX 214C
LYNCHBURG VA 24504

d. Phone No.: 804-993-2216
f. Vehicle License No./State: CT# 40-90
Acknowledgement of Receipt of Materials

Driver Name/Title: Print/Type
g. Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI - KING + QUEEN LANDFILL
Physical Address: 10004 IRIS RD.
LITTLE PLYMOUTH, VA 23091

c. Phone No.: 804-
d. Mailing Address: SAME

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator completes e)

Operator's* Name: OHM CORP/RE: RAC CERT. # NC2410-93
b. Operator's* Phone No.:
Operator's* Address: P.O. BOX 148 LACKEY VA 23694

Special Handling Instructions and additional information: DANGER ASBESTOS AVOID BREATHING DUST DO

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E WAYNE WARBURTON — Print/Type
Operator's* Signature: PROJECT SUPERVISOR

Name and Address of Responsible Agency: OHM CORP HEADQTRS P.O. BOX 551 FINDLAY OHIO 45839

____ Friable; APPROX 50 CY ____ Non-friable; ____ Both ____ % friable 100 % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovation, or the demolition or renovation operation, or b

28,615 TONS

/93 GENERATOR RETAIN

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

BFI

No. 00138

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: NAVAL WEAPONS STA
b. Generating Location: YORKTOWN - VA
c. Address: PO DRAWER 160 YORKTOWN, VA 23691
d. Address: TENGUE RD
e. Phone No.:
f. Phone No.: 804-887-43
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: NA
j. Description of Waste: CONCRETE CONTAINING NON HAZARDOUS, NON FRIABLE ASBESTOS
k. Quantity: 50 Units: Y3 Containers No.: 1 TYPE: L

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG 2 ply or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: BERNARD SITTERHOLM
Signature: Bernard Sitterholm
Shipment Date:

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: J.S. BRYANT
b. Address: RT 3 BOX 214C LYNCHBURG, VA 24504
c. Driver Name/Title: REUS WALKER / DRIVER (Print/Type)
d. Phone No.: 804-993-22
e. Truck
f. Vehicle License No./State: CT 52-474
Acknowledgement of Receipt of Materials
g. X (Driver Signature)
Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI - King & Queen Landfill
b. Physical Address: [illegible] TAYLOR RD LITTLE PLAINS, VA 23191
c. Phone No.: 804-785-2
d. Mailing Address: SAME
e. Discrepancy Indication Space
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.
f. Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

a. Operator's* Name: OHIO CORPORATE CAT # N62470-93-D-3032
b. Operator's* Phone No.: 804-8
c. Operator's* Address: PO BOX 143 LUCKY, VA 23694
d. Special Handling Instructions and additional information: LINGER ASBESTOS WHEN BREAKING DOWN DUST-TIGHT
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and [illegible] marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.
e. Operator's* Name & Title: F. WAYNE WARREN (Print/Type)
Project Supervisor (Operator's* Signature)
f. Name and Address of Responsible Agency: OHIO CORPORATE PO BOX 551 FINDLAY, OHIO 45839
g. ____ Friable; NONE Non-friable; ____ Both; ____ % friable; 100 % non-friable
SOLY

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

1/93

GENERATOR RETAIN

26.38 TONS

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001393

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

59850 LBS OHM

GENERATOR (Generator completes all of Section I)

Name: NAVAL WEAPONS STA.
P.O. DRAWER 160
YORKTOWN VA 23691

b. Generating Location: YORKTOWN VA
d. Address: TEAGUE RD AREA 55-41

f. Phone No.: 804 887-4535

e generating facility differs from the generator, provide:
ame:
h. Owner's Phone No.:

: CODE NA.

of Waste: GENERAL DEBRIS REMOVAL
ning NON HAZARDOUS NON FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL PLASTIC BAG or WRAP
T - TRUCK
O - OTHER

UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

rtify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is dous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, oper condition for transportation according to applicable regulations.

horized Agent Name — Signature: Bernard Sattelhorn — Shipment Date

TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I
J.S. BRYANT
RT 3 BOX 214C
LYNCHBURG VA 24504

d. Phone No.: 804-993-2216
e. Truck No.
f. Vehicle License No./State: CT 40-971 VA

me/Title: JAMES KYLE / DRIVER
Print/Type

Acknowledgement of Receipt of Materials.
g. X Driver Signature — Shipment Date 9/24/94

DESTINATION (Generator completes a-d; destination site completes e-f)

e: BFI: KING & QUEEN LANDFILL
Address: 1000 IRIS RD
LITTLE PLYMOUTH VA 23091

c. Phone No.: 804-785-2146
d. Mailing Address: SAME

cy Indication Space:
ertify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

horized Agent — Signature — Receipt Date

ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

* Name: OHM CORP/RE: AAC CONT. # N62470-93-D-3032
b. Operator's* Phone No.: 804-887-[illegible]
Address: P.O. BOX 148 LACKEY, VA 23694

ling Instructions and additional information: DANGER ASBESTOS AUTO BALLAING DUST, DO NOT PUNCTURE BAGS

R'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Title: E. WAYNE WINGFIELD — Print/Type
PROJECT SUPERVISOR — Operator's* Signature — Date 9/28/94

s
le Agency: OHM CORP HDQTRS P.O. BOX 551, FINDLAY, OHIO 45839

riable: APPROX 50 cy Non-friable; ____ Both ____ % friable 100 % nonfriable

efers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

29.78 tons

280-7208-CONT

GIAL WASTE & ASBESTOS MANIFEST

No. 00[illegible]

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

48438

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: NAVAL WEAPONS STA
b. Generating Location: YORKTOWN VA
Address: AD DRIVE 100
YORKTOWN, VA 23691
d. Address: TEAGUE [illegible]
Phone No.:
f. Phone No.: 804-887-4[illegible]
Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:
DFI WASTE CODE NA
Description of Waste: GENERAL DEBRIS CONTAINING NON-HAZARDOUS, NON FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3Y	1	T

TYPE: DM - METAL DRUM; FD - PLASTIC DRUM; B - BAG; BP - PLASTIC BAG; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: BARRAN SETTERHOLM
Signature: Barrand Setterholm
Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J S BRYANT
d. Phone No.: 804 993-[illegible]
Address: RT 3 BOX 214C
LYNCHBURG, VA 24504
f. Vehicle License No./State: CT 4[illegible]
Acknowledgement of Receipt of Materials
Driver Name/Title: W L CROSS / OWNER
Print/Type
g. Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d: destination site completes e-f)

Site Name: RFI - KING & QUEEN LANDFILL
c. Phone No.: 804 795-[illegible]
Physical Address: [illegible] RD
LITTLE PLYMOUTH, VA 23[illegible]
d. Mailing Address: SAME
Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

a. Operator's* Name: OHM CORP for: BAC CONT # N62470-93-D-[illegible]
b. Operator's* Phone No.:
c. Operator's* Address: PO BOX 148, LACKEY, VA 23[illegible]
d. Special Handling Instructions and additional information: DANGER ASBESTOS, AVOID BREATHING DUST. DO NOT [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E. WAYNE WARRINGTON / PROJECT SUPERVISOR
Print/Type
Operator's* Signature

Name and Address of Responsible Agency: OHM CORP HIGHWAY, PO BOX 551 FINDLAY, OHIO 45839

g. ____ Friable; APPROX 50 CY Non-friable; ____ Both; 4 % friable; 96 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or

1/93 GENERATOR RETAIN 24-215 [illegible]

[illegible]IAL WASTE & ASBESTOS MANIFEST

No. 001395

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: NAVAL WEAPONS STA
b. Generating Location: YORKTOWN [illegible]
c. Address: PO DRAWER 100 YORKTOWN VA 23691
d. Address: TEAGUE RD ARMY STAT[illegible]
e. Phone No.:
f. Phone No.: 804-887-4535
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: NA
j. Description of Waste: GENERAL DEBRIS CONTAINING NON-HAZARDOUS NON FRIABLE ASBESTOS
k. Quantity: 50 Units: Y3 Containers No.: 1 Type:

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - SMALL PLASTIC BAG; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged,* and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Bernard Sotteuhol
Signature
Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: J. S. BRYANT
b. Address: Rt 3 Box 214C LYNCHBURG VA 24504
c. Driver Name/Title: Julia Kyle Johnson (Print/Type)
d. Phone No.: 804-993-[illegible]
e. Vehicle License No./State: CT 41-0[illegible]
Acknowledgement of Receipt of Materials:
g. x John Kyle (Driver Signature)
Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI King & Queen Landfill
b. Physical Address: 1000 IRIS RD. LITTLE PLYMOUTH VA 23091
c. Phone No.: 804-785-[illegible]
d. Mailing Address: SAME

e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

a. Operator's* Name: CIM CORP/RE ENC CONT. # 62470-93-D-30[illegible]
b. Operator's* Phone No.: 804-[illegible]
c. Operator's* Address: P.O. Box 148, LACKEY VA. 23694
d. Special Handling Instructions and additional information: DANGER ASBESTOS AVOID BREATHING DUST. DON'T [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: E. WAYNE WARBURTON (Print/Type)
Operator's* Signature: PROJECT SUPERVISOR
Date

f. [illegible] Address
g. [illegible]nsible Agency: CIM Corp Highgate P.O. Box 551, FINDLAY OHIO

g. ____ Friable; 50 cy ____ Non-friable; ____ Both ____ % friable 100 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or bo

1/93 GENERATOR RETAIN 20.45 tons 280-7209-CO

[redacted]CIAL WASTE & ASBESTOS MANIFEST

No. 001396

*If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

54 570 1135 01A

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: NAVAL WEAPONS STA
b. Generating Location: YORKTOWN VA
c. Address: PO DRAWER 160
YORKTOWN, VA 23691
d. Address: TEAGUE RD AREA
e. Phone No.:
f. Phone No.: 804-887-4
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE NA
j. Description of Waste: GENERAL DEBRIS CONTAINING NON-HAZARDOUS; NON-FRIABLE ASBESTOS

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	F

TYPE: DM - METAL DRUM; DR - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG OR WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name — Signature — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: J S BOYNTON
b. Address: RT 3 BOX 2140
LYNCHBURG VA 24504
c. Driver Name/Title: R.E. WALKER/DRIVER (Print/Type)
d. Phone No.: 804-993-2216
e. Truck No. 24
f. Vehicle License No./State: CT 52-474 VA
Acknowledgement of Receipt of Materials.
g. X (Driver Signature) 9/28/94 (Shipment Date)

Section III — DESTINATION (Generator completes a-d: destination site completes e-f)

a. Site Name: BFI King & Queen Landfill
b. Physical Address: 1000 Tais Rd.
LITTLE YORK VA 23091
c. Phone No.: 804-785-2146
d. Mailing Address: SAME

e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — Receipt Date

Section IV — ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

a. Operator's* Name: OHM Remediation Services Corp. N62470-93-D-3032
b. Operator's* Phone No.: 804 887-0[illegible]
c. Operator's* Address: PO Box 148 Yorktown VA 23691
d. Special Handling Instructions and additional information: Danger Asbestos, Avoid Breathing Dust [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and [illegible] marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: Edward Warrington, Project Supervisor (Print/Type; Operator's* Signature)

f. Name and Address of Responsible Agency: OHM Corp. Hqrs. P.O. Box 551 Findlay, Ohio 45839

g. ____ Friable; NONE Non-friable; ____ Both; ____ % friable; 100 % nonfriable

50 cy

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

1/93

GENERATOR RETAIN

27.39 tons

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001339

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

64010

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: Naval Weapons Station
b. Generating Location: Yorktown
Address: PO Drawer 160
d. Address: Jeaque Rd
Yorktown, Va. 23691
Phone No.:
f. Phone No.: 804 887-4535
Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:
I.WASTE CODE NA
Description of Waste: General debris containing non-hazardous non-friable asbestos

k. Quantity	Units	Containers No.	Containers TYPE
50	V3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M - CUBIC METERS; Y - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

STEVE GODIN — Generator Authorized Agent Name
Signature
9/29/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J. S. Bryant
d. Phone No.: 804-993-2210
e. Truck No.: 11
Address: Rt 3 Box 214C
f. Vehicle License No./State: CT 41035 VA
Lynchburg, Va. 24504
Acknowledgement of Receipt of Materials
Name/Title: Tollie Lyle / DRIVER (Print/Type)
g. Driver Signature
9/29/94 — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI King & Queen Landfill
c. Phone No.: 804 993-2210
Physical Address: 1000 Iris Rd.
d. Mailing Address: Same
Little Plymouth, Va. 23091

Discrepancy Indication Space:

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

Generator's* Name: OHM Corp/re: PNC Cont. # N02410.93
b. Operator's* Phone No.:
Generator's* Address: PO. Box 148, Lackey, Va. 23694

Special Handling Instructions and additional information: Danger asbestos, avoid breathing dust

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Generator's* Name & Title: E WAYNE WARBURTON — Project Supervisor
Print/Type
Operator's* Signature
9/29/94 — Date

Address of Disposal Site Agency: OHM Corp Hdqrts. P.O. Box 551, Findlay, Ohio 45839

___ Friable; Approx 50CY Non-friable; ___ Both ___ % friable 100 % nonfriable

*Generator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

32 505 tons

CSB 280-2208-CONT.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

BFI

No. 001387

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

59,040

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: Naval Weapons Stat
b. Generating Location: Yorktown
c. Address: PO Drawer 160 Yorktown Va. 23691
d. Address: Yorktown Va. 23691
e. Phone No.:
f. Phone No.: 804 887-4500

If owner of the generating facility differs from the generator, provide:

g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: NA
j. Description of Waste: General debris containing non hazardous non friable asbestos
k. Quantity: 50
Units: Y3
Containers No.: 1
Containers TYPE:

TYPE: DM METAL DRUM; DP PLASTIC DRUM; B BAG; BA SMALL PLASTIC BAG; BW BOX WOOD; T TANK; B BRICK; O OTHER

UNITS: # POUNDS; Y YARDS; M3 CUBIC METERS; Y3 CUBIC YARDS; O OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

STEVE GODIO — Generator Authorized Agent Name
Steve Godio — Signature
9/29/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d: Transporter I complete e-g)

TRANSPORTER I

a. Name: J. S. Bryant
b. Address: Rt 3 Box 214C Lynchburg Va. 24504
c. Driver Name/Title: Rufus Walker / Driver — Print/Type
d. Phone No.: 804 993-2216
e. Vehicle License No./State: CT 52
f. Acknowledgement of Receipt of Materials: X Rufus Walker — Driver Signature
g. Shipment Date

Section III — DESTINATION (Generator completes a-d: destination site completes e-f)

a. Site Name: BFI King & Queen Landfill
b. Physical Address: 1000 Iris Rd. Little Plymouth 2309
c. Phone No.: 804 785-2146
d. Mailing Address: Same

e. Discrepancy Indication Space

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — Shipment Date

Section IV — ASBESTOS (Generator completes a-d f.g. Operator* completes e)

a. Operator's* Name: OHM Corp/Sc: RAC Cont. # N62470-93-D-5032
b. Operator's* Phone No.: 804 887-
c. Operator's* Address: P.O. Box 148 Packey, Va. 23694
d. Special Handling Instructions and additional information: Danger asbestos avoid breathing dust

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and classification, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: E. Wade Warburton — Print/Type
Project Supervisor — Operator's* Signature

f. Name and Address of Responsible Agency: OHM Corp. Hayes. P.O. Box 551 Findlay, Ohio 45839

g. ____ Friable; Approx 50cy Non-friable; ____ Both; ____ % friable; 100 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

29.55 tons

AL WASTE & ASBESTOS MANIFEST

No. 00[illegible]

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

tion I — GENERATOR (Generator completes all of Section I)

Generator Name: Naval Weapons Station
Address: PO Drawer 160
Yorktown, Va. 23691
Phone No.:

b. Generating Location: Yorktown
d. Address: Jackson [illegible]
f. Phone No.: 804-887-[illegible]

owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

BFI WASTE CODE: NA

Description of Waste: General debris containing non-hazardous non friable asbestos

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DPD - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M - CUBIC METERS; Y - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

STEVE GORDO — Generator Authorized Agent Name
Steve Gordo — Signature
9/29/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J S Bryant
Address: Rt 3 Box 214C
Lynchburg, Va 24504
d. Phone No.: 804-993-[illegible]
f. Vehicle License No./State: CT 46-993 [illegible]
Acknowledgement of Receipt of Materials

Name/Title: W. Cousins / Driver (Print/Type)
g. X [illegible] (Driver Signature) — 9/29/94 (Shipment Date)

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI King & Queen Landfill
Physical Address: 1000 Iris Rd
Little Plymouth 23091
c. Phone No.: 804-785-[illegible]
d. Mailing Address: Same

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d.f.g. Operator completes e)

Operator's* Name: Olin Corp fac: ARC Cont # N62470-93-D-3032
b. Operator's* Phone No.: 804-887-[illegible]

Operator's* Address: PO Box 148, Lucky, Va 23694

Special Handling Instructions and additional information: Danger asbestos, avoid breathing dust, don't puncture [illegible]

PERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E. Wade Hampton (Print/Type)
Operator's* Signature: Project Superintendent
9/29/94

[illegible]d Address of [illegible]nsible Agency: Olin Corp Hdqrs PO Box 551 Lindley Ohio 45839

____ Friable; Non-friable; ____ Both ____ % friable 100 % nonfriable

50 cy

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or bot

31.95 tons

93 GENERATOR RETAIN 280-7208-CO

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001338

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

67 110 LRS-Olm

on I GENERATOR (Generator completes all of Section I)

tor Name: Naval Weapons Station b. Generating Location: Yorktown Va

s: PO Drawer 160 d. Address: Yeager Rd Bldg [illegible]

Yorktown, Va 23691

No.: f. Phone No.: 804-887-4535

f the generating facility differs from the generator, provide:

s Name: h. Owner's Phone No.:

STE CODE NA

n of Waste: General debris containing

gyrodens non friable asbestos

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER

UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

ertify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is ardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, proper condition for transportation according to applicable regulations.

[illegible] CTLR — uthorized Agent Name — Signature — 9/29/94 Shipment Date

on II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

J J Bryant d. Phone No.: 804-993-2216 e. Truck No.: 10

Rt 3 Box 214C f. Vehicle License No./State: CT 40 971 Va

Lynchburg, Va 24504 Acknowledgement of Receipt of Materials.

ame/Title: [illegible] Print/Type — g. Driver Signature — 9/29/94 Shipment Date

on III DESTINATION (Generator completes a-d; destination site completes e-f)

ne: BFI - King & Queen Landfill c. Phone No.: 804-785-2140

Address: 1030 Iris Rd d. Mailing Address: Same

Little Plymouth, Va 23091

ncy Indication Space:

certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

uthorized Agent — Signature — Receipt Date

on IV ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

s* Name: Olm Corp/ RAC Cont # NC2470-93-D-3032 b. Operator's* Phone No.: 804-887-0642

* Address: PO Box 145 Lackey Va. 23694

dling Instructions and additional information: Danger asbestos, avoid breathing dust, dust punitive [illegible]

R'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, d labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

lame: E. WARE WARRUSTON — Print/Type — Project Supervisor — Operator's* Signature — 9/29/94 Date

ddres ble Agency: Olm Corp Hdqrs PO Box 551, Findlay, Ohio 45839

Friable; approx 50cy Non-friable; ____ Both ____ % friable 100 % nonfriable

refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

27561

...OUS SPECIAL WASTE & ASBESTOS MANIFEST

No. [illegible]

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: Naval Weapons Station
b. Generating Location: Yorktown [illegible]
c. Address: PO Drawer 160
Yorktown, Va. 23691
d. Address: Begue Rd [illegible]
e. Phone No.
f. Phone No.: 804-887 [illegible]
If owner of the generating facility differs from the generator, provide
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: NA
j. Description of Waste: General debris containing non hazardous non friable asbestos
k. Quantity: 50 Units: YD Containers: No. [illegible] Type [illegible]

TYPE: DM METAL DRUM, DP PLASTIC DRUM, B BAG, BA CARTON/BOX, PL PLASTIC BAG, W WRAP, T TRUCK, O OTHER
UNITS: R ROUNDS, Y YARDS, M CUBIC METERS, C CUBIC YARDS, O OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [illegible]
Signature: [illegible]
Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: J S Bryant
b. Address: Rt 3 Box 214C
Lynchburg, Va. 24504
c. Driver Name/Title: [illegible] Print/Type
d. Phone No.: 804-993-[illegible]
e. Vehicle License No./State: CT 53-[illegible]
Acknowledgement of Receipt of Materials
f. Driver Signature: X
g. Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI King & Queen Landfill
b. Physical Address: 1000 Iris Road
Little Plymouth, 23091
c. Phone No.: 804 785-[illegible]
d. Mailing Address: [illegible]
e. Discrepancy Indication Space
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

a. Operator's* Name: [illegible] Corp [illegible] NG3470-03-D-3032
b. Operator's* Phone No.: 804-[illegible]
c. Operator's* Address: PO Box 148 Lackey, Va 23694
d. Special Handling Instructions and additional information: Danger asbestos, avoid breathing dust [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: E. [illegible] Project Superintendent
Print/Type
Operator's* Signature

f. Name and Address of Responsible Agency: [illegible] Corp [illegible] PO Box 551 Findlay, Ohio [illegible]

g. ____ Friable; Approx 50 cy Non-friable; ____ Both; ____ % friable; 100 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operations.

1/93

GENERATOR RETAIN

23.32 tons

AL WASTE & ASBESTOS MANIFEST

No. 001

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: Naval Weapons Station
Address: PO Drawer 160
Yorktown Va. 23691
Phone No.:

b. Generating Location: Yorktown
d. Address: Delaware
f. Phone No.: 804-887-4530

Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

FI WASTE CODE: NA
Description of Waste: General debris containing non hazardous non-friable asbestos

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M - CUBIC METERS; Y - CUBIC YARDS; O - OTHER

ereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is t a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, d is in proper condition for transportation according to applicable regulations.

STEVE GORIO — Steve Gorio — 9/29/94
erator Authorized Agent Name — Signature — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J. S. Bryant
Address: Rt 3 Box 214C
Lynchburg Va. 24504
Name/Title: John Kyle Pomeroy (Print/Type)

d. Phone No.: 804-993-2142
e. Truck No.:
f. Vehicle License No./State: CT 41-635 Va
Acknowledgement of Receipt of Materials
g. X John Kyle — Driver Signature — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI King & Queen Landfill
Physical Address: 1000 Iris Road
Little Plymouth, 2309.

c. Phone No.: 804-785-21
d. Mailing Address: Same

Discrepancy Indication Space:
hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

ame of Authorized Agent — Signature

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

Operator's* Name: OHM Corp/Re: PAC Cont. # N02490-93-
b. Operator's* Phone No.:
Operator's* Address: PO Box 148 Luckey Va. 23694
Special Handling Instructions and additional information: Danger asbestos avoid breathing dust

PERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, pack rked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E. WAYNE WIRBURTON (Print/Type) — Project Supervisor (Operator's* Signature)
nd Address onsible Agency: OHM Corp Hdqrts. P.O. Box 151, Findlay, Ohio 45839

Friable: approx 50cy; Non-friable: ; Both: ; % friable: 100; % nonfriable:

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or b

31.87 tons

GENERATOR RETAIN

260-7208-C

IAL WASTE & ASBESTOS MANIFEST

No. [illegible]

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

ection I — GENERATOR (Generator completes all of Section I)

ator Name: Naval Weapons Station
b. Generating Location: Yorktown Va
dress: PO Box 160
Yorktown, Va. 23691
d. Address: Magazine Rd [illegible]
one No.:
f. Phone No.: 804 887-[illegible]
ner of the generating facility differs from the generator, provide:
wner's Name:
h. Owner's Phone No.:
WASTE CODE NA
scription of Waste: General debris containing n hazardous, non friable asbestos
k. Quantity 50 Units Y3 Containers No. 1 TYPE T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG for WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M3 - CUBIC METERS; Y3 - CUBIC YARDS; O - OTHER

reby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, is in proper condition for transportation according to applicable regulations.

TEVE GOPIO — Steve Gopio — 9/29/94
rator Authorized Agent Name — Signature — Shipment Date

ection II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

ame: J. S. Bryant
d. Phone No.: 804-993-2216
dress: Rt 3 Box 214C
Lynchburg, Va. 24504
f. Vehicle License No./State: CT 40-993 VA
Acknowledgement of Receipt of Materials
me/Title: U.L. Cousins/Driver
Print/Type
g. X
Driver Signature — Shipment Date

ection III — DESTINATION (Generator completes a-d; destination site completes e-f)

te Name: BFI King & Queen Landfill
c. Phone No.: 804-785-[illegible]
ysical Address: 1000 Iris Road
Little Plymouth VA 23091
d. Mailing Address: Same

screpancy Indication Space:
ereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

ne of Authorized Agent — Signature

ection IV — ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

perator's* Name: OHM Corp/RI. NAC Cont # N62470-93-D-3[illegible]
b. Operator's* Phone No.: 804-[illegible]
erator's* Address: PO Box 148 Lacey Va. 23694
ecial Handling Instructions and additional information: Danger asbestos, avoid breathing dust [illegible]

RATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, ked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

rator's* Name & Title: E. Ware Wimbushton — Project Supervisor
Print/Type — Operator's* Signature

ne and Address [illegible]ble Agency: OHM Corp Hdqrts. P.O. Box 551 Findlay, Ohio 45839

___ Friable; approx 50 CY Non-friable; ___ Both ___ % friable 100 % nonfriable

perator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

3L.425

[illegible] CONT

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001343

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: Naval Weapons Sta.
Address: PO Box 160 Yorktown Va. 23691
b. Generating Location: Yorktown Va
d. Address: Lefgine Rd Area 8307
Phone No.:
f. Phone No.: 804-887-4533
Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:
SPI WASTE CODE: NA
Description of Waste: General debris containing non hazardous non friable asbestos

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG for WBAR; T - TRUCK; O - OTHER

UNITS: R - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

STEVE GODIO — Generator Authorized Agent Name
Steve Godio — Signature
1/29/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I
Name: J. S. Bryant
d. Phone No.: 804-993-2210
Truck No.:
Address: Rt 3 Box 214C Louisburg, ~~Little Plymouth~~ Va 23091
f. Vehicle License No /State:
Acknowledgement of Receipt of Materials.
Driver Name/Title: JAMES KYLE (Print/Type)
g. X James Kyle — Driver Signature
1/29/94 — Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BJJ King & Queen Landfill
c. Phone No.: 804-785-[illegible]
Physical Address: 1000 Iris Rd. Little Plymouth VA. 23091
d. Mailing Address: Same

Discrepancy Indication Space:

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

Operator's* Name: OHM Corp/Re. RAC Cont. # N62470-93-[illegible]
b. Operator's* Phone No.:
Operator's* Address: PO Box 140 Lackey Va. 23694
Special Handling Instructions and additional information: danger asbestos wood breathing dust [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E. WAYNE WARRINGTON Project Supervisor
Print/Type
Operator's* Signature
Date

Mailing Address of Responsible Agency: OHM Corp Hdqrts P.O. Box ~~155~~ 559 Findlay Ohio 45839

Friable; Non-friable; Both; % friable; 100 % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

93

GENERATOR RETAIN

33.73 tons

ENV-7208-CO

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 001332

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: NAVAL WEAPONS STA
b. Generating Location: YORKTOWN VA
c. Address: PO DRAWER 160
YORKTOWN VA 23691
d. Address: TERRY'S ROAD
e. Phone No.:
f. Phone No.: 804-887-4
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: NA
j. Description of Waste: General Refuse containing non hazardous, non friable asbestos
k. Quantity: 50 Units: Y3 Containers No.: 1 TYPE: T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - SMALL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: STEVE GOLDD
Signature: Steve Goldd
Shipment Date: 9/28/94

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

a. Name: J S Bryant
b. Address: Rt 3 Box 214C
LYNCHBURG VA 24504
c. Driver Name/Title: [illegible] / DRIVER
Print/Type
d. Phone No.: 804 993-2216
e. Vehicle License No./State: CT 52-[illegible]
Acknowledgement of Receipt of Materials
g. Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI King & Queen Landfill
b. Physical Address: 1100 Iris Rd
LITTLE PLYMOUTH VA 23091
c. Phone No.: 804-785-2144
d. Mailing Address: SAME
e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.
f. Name of Authorized Agent
Signature
Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g; Operator* completes e)

a. Operator's* Name: Olin Corporation BK Cath N6247 0293 D 3032
b. Operator's* Phone No.: 804 [illegible]
c. Operator's* Address: PO Box 148 LACKEY VA 23094
d. Special Handling Instructions and additional information: Danger Asbestos Avoid Breathing Dust Dangerous

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: EDWARD WORKMAN
Print/Type
Operator's* Signature: Project Supervisor
Date:

f. Name and Address of Responsible Agency: Olin Corp Hydra PO Box 551 Franklin VA 23851

g. ____ Friable; None Non-friable; ____ Both ____ % friable 100 % nonfriable

50 cy

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

GENERATOR RETAIN

30.78 tons

260-720B-CONT

SPECIAL WASTE & ASBESTOS MANIFEST

No. 001382

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

72.270 ... 1.1.1

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: Naval Weapons Sta
Address: PO Drawer 160
Yorktown, Va 23691
Phone No.:

b. Generating Location: Yorktown Va
d. Address: Route 1 ...
f. Phone No.: 804-887-4535

If owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

BFI WASTE CODE: NA

Description of Waste: General debris containing a hazardous non friable asbestos

k. Quantity	Units	Containers No.	Containers TYPE
50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

BERNARD SATTERHOLM — Generator Authorized Agent Name
Bernard Satterholm — Signature
9/30/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

Name: J. S. Bryant
Address: Rt 3 Box 214C
Lynchburg, Va. 24564
d. Phone No.: 804-785-2146
e. Truck No.:
f. Vehicle License No./State: CT 41-035 VA

Acknowledgement of Receipt of Materials.

Driver Name/Title: John Kyle / Driver — Print/Type
g. Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI King & Queen Landfill
Physical Address: 1000 Iris Road
Little Plymouth Va. 23091
c. Phone No.: 804-785-2146
d. Mailing Address: Same

Discrepancy Indication Space:

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

Operator's* Name: OHM Corp/Re: ANC Cont. # N62470-93-D-3032
b. Operator's* Phone No.:

Operator's* Address: PO Box 148, Lachey, Va. 23694

Special Handling Instructions and additional information: Danger asbestos, avoid breathing dust, dust suppression

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E. Duane Hardbarger — Print/Type
Project Supervisor — Operator's* Signature
9/30/94 — Date

Name & Address of Responsible Agency: OHM Corp Adgsta P.O. Box 551 Findlay, Ohio 45839

___ Friable; approx 50% Non-friable; ___ Both; ___ % friable; 100 % nonfriable

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

GENERATOR RETAIN

(281-7208-CONT)

IAL WASTE & ASBESTOS MANIFES

No. 001-

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

Generator Name: Naval Weapons Sta.
Address: PO Drawer 160
Yorktown, Va. 23691
Phone No.:

b. Generating Location: Yorktown Va
d. Address: Jenkins Rd
f. Phone No.: 804. 887. 4

Owner of the generating facility differs from the generator, provide:
Owner's Name:
h. Owner's Phone No.:

DFI WASTE CODE: NA.

Description of Waste: general debris containing 1% hazardous non friable asbestos

k. Quantity	Units	Containers No.	Containers TYPE
50	X3	1	T

TYPE: DM METAL DRUM; DP PLASTIC DRUM; B BAG; BA 6 MIL PLASTIC BAG or WRAP; T TRUCK; O OTHER

UNITS: P POUNDS; Y YARDS; M CUBIC METERS; M CUBIC YARDS; O OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [illegible]
Signature: [illegible]
Shipment Date: 9/30/94

Section II — TRANSPORTER (Generator completes a-d: Transporter I complete e-g)

TRANSPORTER I

Name: J. J. Bryant
Address: Rt 3 Box 214C
Lynchburg, Va 24504
d. Phone No.: 804-492-
f. Vehicle License No./State: GT
Acknowledgement of Receipt of Materials

Driver Name/Title: W. L. Cousins / Driver (Print/Type)
g. Driver Signature: X
Shipment Date

Section III — DESTINATION (Generator completes a-d: destination site completes e-f)

Site Name: BFI - King & Queen Landfill
c. Phone No.: 804-
Physical Address: 1000 Iris Rd.
Little Plymouth, 23091
d. Mailing Address: Same

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent
Signature
Date

Section IV — ASBESTOS (Generator completes a-d.f.g, Operator* completes e)

Operator's* Name: OHM Corp/Sec. Asc Cont #62470-93-2.3032
b. Operator's* Phone No.: 804-
Operator's* Address: PO Box 148 Lackey, Va. 23694
Special Handling Instructions and additional information: Wetting asbestos, avoid breathing dust

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: E. WARE Warburton
Print/Type
Operator's* Signature: Project Supervisor
Date

Name and Address of Responsible Agency: OHM Corp hdqrs PO Box 551 Findlay Ohio 458

g. ____ Friable; approx 50% Non-friable; ____ Both ____ % friable 100 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or t

AL WASTE & ASBESTOS MANIFEST

No. 001880

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

71400

n I — GENERATOR (Generator completes all of Section I)

nerator Name: Naval Weapons Sta
b. Generating Location: Yorktown Va
dress: PO Drawer 160
Yorktown Va. 23691
d. Address: Seeger Ave Bldg 5121
one No.:
f. Phone No.: 804-887-4533
ner of the generating facility differs from the generator, provide:
wner's Name:
h. Owner's Phone No.:

WASTE CODE NA

cription of Waste:	k. Quantity	Units	Containers No.	Containers TYPE
General debris containing non hazardous non friable asbestos	50	Y3	1	T

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

reby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, is in proper condition for transportation according to applicable regulations.

rator Authorized Agent Name — Signature — 9/3/94 Shipment Date

ection II — TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

TRANSPORTER I

ame: J. S. Bryant
d. Phone No.: 804-992-1214
e. Truck No.: 70
ddress: Rt 3 Box 214C
Lynchburg Va 24504
f. Vehicle License No./State: CT 42-92141
Acknowledgement of Receipt of Materials
ame/Title: James Kyle / Driver (Print/Type)
g. X (Driver Signature) 9/3/94 Shipment Date

ection III — DESTINATION (Generator completes a-d: destination site completes e-f)

te Name: BFI-King & Queen Landfill
c. Phone No.: 804-785-2140
hysical Address: 1000 Iris Rd
Little Plymouth Va 23091
d. Mailing Address: Same

screpancy Indication Space:
hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

me of Authorized Agent — Signature — Receipt Date

ection IV — ASBESTOS (Generator completes a-d.f.g. Operator* completes e)

perator's* Name: Olin Corp/re: PAC Cont. # N62470-93-D-3032
b. Operator's* Phone No.: 804-887-0031
perator's* Address: PO Box 148 Lackey Va. 23694
ecial Handling Instructions and additional information: Wetting of fibers, avoid breathing dust, dust prohibited

ERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed ked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

erator's* Name & Title: E. Wade Warburton (Print/Type) — Project Supervisor (Operator's* Signature) — 9/3/94 Date

d Address sible Agency: Olin Corp Hodgets P O Box 1551, Findlay Ohio 45839

Friable: approx 50 cy Non-friable: ____ Both ____ % friable 100 % nonfriable

perator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or bot

GENERATOR RETAIN

35.70 tons

L WASTE & ASBESTOS MANIFEST

No. 59, 6

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: Naval Weapons Sta. (0963)
b. Generating Location: [illegible]
c. Address: P.O. Drawer 160, Yorktown, Va. 23691
d. Address: Tenque Rd [illegible]
e. Phone No.:
f. Phone No.: 804-887-[illegible]
If owner of the generating facility differs from the generator, provide:
g. Owner's Name:
h. Owner's Phone No.:
i. BFI WASTE CODE: NA
j. Description of Waste: General debris containing non hazardous non-friable asbestos
k. Quantity: 50
Units: Y3
Containers No. / Type

TYPE: DIA. METAL DRUM; BOX; BAG; BULK; TRUCK; OTHER
UNITS: POUNDS; YARDS; CUBIC METERS; CUBIC YARDS; OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Bernard Setterholm — Generator Authorized Agent Name
Bernard Setterholm — Signature
9/20/94 — Shipment Date

Section II — TRANSPORTER (Generator completes a-d: Transporter I complete e-g)

TRANSPORTER I

a. Name: J. S. Bryant
b. Address: Rt 3 Box 214C, Lynchburg, Va. 24504
c. Driver Name/Title: Print/Type
d. Phone No.: 804 993 7216
e. Truck No.:
f. Vehicle License No./State: CT 52-474 VA
Acknowledgement of Receipt of Materials,
g. X — Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d: destination site completes e-f)

a. Site Name: BFI King & Queen Landfill
b. Physical Address: 1000 Iris Rd, Little Plymouth, Va 23091
c. Phone No.: 804 785-[illegible]
d. Mailing Address:
e. Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.
f. Name of Authorized Agent — Signature — Receipt Date

Section IV — ASBESTOS (Generator completes a-d,f,g. Operator* completes e)

a. Operator's* Name: OHM Corp./NE RAC Cont # N62470-93-D-3032
b. Operator's* Phone No.: 804-887-8642
c. Operator's* Address: P.O. Box 140 Lackey Va. 23694
d. Special Handling Instructions and additional information: Hanger asbestos, avoid creating dust, dmp number [illegible]

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

e. Operator's* Name & Title: E. Wade Warbritton — Project Supervisor
Print/Type — Operator's* Signature
f. Name and Address of Responsible Agency: OHM Corp Hdqrts. PO Box 551, Findlay, Ohio 45[illegible]
g. ____ Friable; Other 50% Non-friable; ____ Both; ____ % friable; 100 % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or [illegible]

1/93

GENERATOR RETAIN

29.76 tons