WESTON Analytics Use Only

9103L787

# Custody Transfer Record/Lab Work Request

WESTON



Client: Westinghouse Hanford
Est. Final Prod. Sampling Date:
Work Order #: 9103L68-02-01-0000
Project Contact/Phone #:
AD Project Manager: Hy Beaty
QC: CLP Del: CLP TAT: 35
Date Rec'd: 3/2/91 Date Due: 4/6/91
Account #: WS-HANFORD

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerator # | | 1 | 5 | 5 | | 3 | | | | | | | | | | | |
| #/Type Container | Liquid | 3/0 | 2/9 | → | | 1/P | 1/P | 1/G | 1/G | 1/P | 1/P | 1/P | 1/P | 1/P | | | |
| | Solid | | | | | | | | | | | | | | | | |
| Volume | Liquid | 40ml | 90 | → | | 4L | 1L | 2L | 1L | 1L | 1L | 1L | 1L | 1L | | | |
| | Solid | | | | | | | | | | | | | | | | |
| Preservatives | | | | | | HNO3 | HCL | None | H2SO4 | HNO3 | NaOH | None | None | H2SO4 | | | |
| ANALYSES REQUESTED → | | VOA | BNA | Pesv PCB | Herb | RAD* WORK | TOX TEST VERSION | TRITIUM | TOC | Metal** INORG | CN | Anions*** INORG ① | Anions*** INORG ② | | | | |
| | | 8240 | 8270 | 8080 | | ISUB | ISUB | ISUB | ISUC | ICP/MS ICP/AES ICP/OES | ICP/TD | Sr-90 Beta/Gamma | Beta/Gamma | Beta/Gamma | | | |

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

| Lab ID | Client ID/Description | Matrix QC Chosen (✓) | Matrix | Date Collected | VOA | BNA | Pesv PCB | Herb | RAD* | TOX | TRITIUM | TOC | Metal** | CN | Anions*** ① | Anions*** ② | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | B00 F12 | | Water | 2/27 | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | B00 F13 | | | | | | | | | | | | ✓ | | | | |
| 3 | B00 F34 | | | 2/28 | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 | B00 F35 | | | | | | | | | | | | ✓ | | | | |
| 5 | B00 F31 | | | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 6 | F32 | | | | | | | | | | | | ✓ | | | | |
| 7 | F37 | | | | ✓ | | | | | | | | | | | | |

* RAD - Gross Alpha, Beta, Radium, Sr-90, Tc-90, Cs-137, Co-60, Pb-238, Pb 239/240

** Metals = HSL + Bi, Sr, Sn

Special instructions: *** Anions - ICCL, ICFL, ICSO4, ICPO4, ICNO3, ICNO2

**** Inorg ① - Ph, Spc8, Alk, TDS, SO4

***** Inorg ② - Hard, NH3N, P3N2

DATE/REVISIONS:
1.
2.
3
4
5
6

WESTON Analytics Use Only

Samples were: 1) Shipped ✓ or Hand Delivered
Airbill #
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was: 1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec'd Y or N

| Relinquished by | Received by | Date | Time | Relinquished by | Received by | Date | Time |
|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | 3/1/91 | 3:00 PM | | | | |

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES

9103L787-WES-021252

DEC 1996 RECEIVED

STAPLE

WESTON Analytics Use Only

9103L787

# Custody Transfer Record/Lab Work Request

WESTON



Client: Westinghouse-Hanford
Est. Final Proj. Sampling Date:
Work Order #: 6168-02-01-0000
Project Contact/Phone #:
AD Project Manager: P Beaty
QC: CLP Del: CLP TAT: 35
Date Rec'd: 3/2/91 Date Due: 4/6/91
Account #:

Refrigerator #:
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives:

see pg 1

ANALYSES REQUESTED →

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

| Lab ID | Client ID/Description | Matrix QC Chosen (✓) | Matrix | Date Collected | ORGANIC VOA 62411 | BNA 16254 | Pest/PCB 16081 | Herb | 8A Wet Tot Uranium ISUB | Tritium ISUB | TOC ISUB | INORG Metal SIL/Tot | CN AUTO | Anions see above | Inorg ① see file | Inorg ② see pg ② |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 008 | B00 F09 | | W | 2/27/91 | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 9 | F10 | | ↓ | ↓ | | | | | | | | ✓ | | | | |
| 10 | F19 | | W | 2/27/91 | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | F20 | | | | | | | | | | | ✓ | | | | |
| 12 | F72 | | | ↓ | ✓ | | | | | | | | | | | |
| 13 | F28 | | | 2/28/91 | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | F29 | | ↓ | ↓ | | | | | | | | ✓ | | | | |

Special Instructions: see page 1

DATE/REVISIONS:
1
2
3
4
5
6

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| [illegible] | [illegible] | 3/1/91 | 3:00 PM |

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| | | | |

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES:

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered
Airbill #
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

9103L787 1133

9213512.1134

VOLATILE ORGANICS ANALYSIS SHEET

0000020

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031020

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/10/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 17 | B |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 2 | JB |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

9213512.1135

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 000002

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031020

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/10/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |

9213512.1136

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

0000029

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 5168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031108

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 20 | B |
| 67-64-1 | Acetone | 7 | JB |
| 75-15-0 | Carbon Disulfide | 2 | JB |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

9743512.1137

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000030

CLIENT SAMPLE NO.

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031108

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | *PROBABLE LAB CONTAMINANT | | | |
| 2. | DIETHYL ETHER* | 6.37 | 10 | J |

9713512.1138

1A

VOLATILE ORGANICS ANALYSIS SHEET 0000042

CLIENT SAMPLE NO.

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-005

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031109

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 18 | B |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 2 | JB |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

9113512.1139

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0 0 0 0 0 4 3

CLIENT SAMPLE NO.

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-005

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031109

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | *PROBABLE LAB CONTAMINANT | | | |
| 2. | DIETHYL ETHER* | 6.33 | 9 | J |

9213512.1140

IA

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

0000053

BOOF37

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-007

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031110

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 25 | B |
| 67-64-1 | Acetone | 6 | JB |
| 75-15-0 | Carbon Disulfide | 2 | JB |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 1 | J |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

9713512.1141

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0000054

CLIENT SAMPLE NO.

BOOF37

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-007

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031110

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | *PROBABLE LAB CONTAMINANT | | | |
| 2. | DIETHYL ETHER* | 6.33 | 10 | J |

9713512.1142

1A

VOLATILE ORGANICS ANALYSIS SHEET 0000069

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-008

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031111

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 21 | B |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 2 | JB |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

9213512.1143

0000070

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B00F09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-008

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031111

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | *PROBABLE LAB CONTAMINANT | | | |
| 2. | DIETHYL ETHER* | 6.33 | 9 | J |

9343512.1144

VOLATILE ORGANICS ANALYSIS SHEET 0000080

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-010

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031112

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 5 | B |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 2 | JB |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

9213512.1145

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 000008

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-010

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031112

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |

9113512.1146

1R

# VOLATILE ORGANICS ANALYSIS SHEET

0000088

CLIENT SAMPLE NO.

BOOF72

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-012

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031113

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 13 | B |
| 67-64-1 | Acetone | 10 | B |
| 75-15-0 | Carbon Disulfide | 2 | JB |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 1 | J |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

9113512.1147

0000089

# VOLATILE ORGANICS ANALYSIS SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B00F72

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-012

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031113

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |

9713512.1148

1A

VOLATILE ORGANICS ANALYSIS SHEET 000010

CLIENT SAMPLE NO.

BOOF28

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-013

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: W031114

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ Date Analyzed: 03/11/91

Column: (pack/cap) PACK Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 5 | B |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 2 | JB |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

9213512.1149

0000102

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BOOF28

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-013

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031114

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |

9213512.1150

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

0000162

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LVW034-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031104

Level: (low/med) LOW

Date Received: 03/11/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 7 | |
| 67-64-1 | Acetone | 10 | |
| 75-15-0 | Carbon Disulfide | 2 | J |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

9713512.1151

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0000163

CLIENT SAMPLE NO.

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LVW034-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031104

Level: (low/med) LOW

Date Received: 03/11/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |

9713512.1152

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000022

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032210

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/22/91

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

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 1 | J |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

9713512.1153

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000023

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032210

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/22/91

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

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9713512.1154

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000024

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032210

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/22/91

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

Dilution Factor: 1.00

Number TICs found: 9

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPYRANONE | 4.97 | 100 | JB |
| 2. | UNKNOWN | 5.22 | 200 | JB |
| 3. | UNKNOWN | 6.45 | 30 | J |
| 4. | UNKNOWN | 7.93 | 6 | J |
| 5. | METHYLCYCLOHEXENONE | 8.02 | 10 | J |
| 6. | UNKNOWN | 9.20 | 9 | J |
| 7. | UNKNOWN | 9.38 | 5 | J |
| 8. | UNKNOWN | 9.62 | 8 | J |
| 9. | UNKNOWN | 11.92 | 30 | J |

9213512.1155

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000043

CLIENT SAMPLE NO.

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032211

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/22/91

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

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

9213512.1156

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000044

CLIENT SAMPLE NO.

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032211

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 1 | JB |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1 | J |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9113512.1157

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000045

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032211

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPYRANONE | 4.93 | 7 | JB |
| 2. | UNKNOWN | 5.17 | 60 | JB |
| 3. | TRICHLOROPROPENE | 6.13 | 5 | JB |

9713512.1158

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000060

CLIENT SAMPLE NO.

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032212

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

9713512.1159

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000061

CLIENT SAMPLE NO.

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 5168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032212

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/22/91

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

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9713512.1160

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000062

CLIENT SAMPLE NO.

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032212

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/22/91

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

Dilution Factor: 1.00

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

Number TICs found: 2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPYRANONE | 4.95 | 10 | JB |
| 2. | UNKNOWN | 5.17 | 40 | JB |

9713512.1161

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000072

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032606

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

9213512.1162

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000073

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032606

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 3 | J |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9713512.1163

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000074

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-008

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032606

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/26/91

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

Dilution Factor: 1.00

Number TICs found: 4

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.87 | 20 | J |
| 2. | UNKNOWN | 5.22 | 8 | JB |
| 3. | TETRAHYDROPYRANONE | 5.48 | 20 | JB |
| 4. | UNKNOWN | 5.73 | 200 | JB |

9713512.1164

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000087

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032608

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

9713512.1165

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000088

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032608

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9213512.1166

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000089

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-010

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032608

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/26/91

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

Dilution Factor: 1.00

Number TICs found: 5

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPROPANE | 5.25 | 20 | JB |
| 2. | UNKNOWN | 5.52 | 200 | JB |
| 3. | UNKNOWN | 6.28 | 5 | J |
| 4. | TRICHLOROPROPENE | 6.55 | 4 | JB |
| 5. | UNKNOWN | 9.72 | 10 | J |

9713512.1167

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000102

CLIENT SAMPLE NO.

BOOF28

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032609

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

9713512.1168

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000103

CLIENT SAMPLE NO.

B00F28

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-013

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032609

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/26/91

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

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9713512.1169

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000104

CLIENT SAMPLE NO.

BOOF28

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-013

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032609

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/26/91

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

Dilution Factor: 1.00

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPYRANONE | 5.23 | 3 | JB |
| 2. | UNKNOWN | 5.47 | 20 | JB |

9713512.1170

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000295

CLIENT SAMPLE NO.

SBLK

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 91LE0308-MB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: J031204

Level: (low/med) LOW Date Received: 03/06/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/12/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

9713512.1171

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000296

CLIENT SAMPLE NO.

SBLK

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 91LE0308-MB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: J031204

Level: (low/med) LOW Date Received: 03/06/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/12/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 1 | J |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9713512.1172

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000297

CLIENT SAMPLE NO.

SBLK

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LE0308-MB1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: J031204

Level: (low/med) LOW

Date Received: 03/06/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/12/91

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

Dilution Factor: 1.00

Number TICs found: 6

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPYRANONE | 5.11 | 20 | J |
| 2. | UNKNOWN | 5.27 | 3 | J |
| 3. | UNKNOWN | 5.36 | 60 | J |
| 4. | UNKNOWN | 6.07 | 4 | J |
| 5. | TRICHLOROPROPENE | 6.33 | 5 | J |
| 6. | CYCLOHEXANE | 9.73 | 4 | J |

9713512.1173

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000313

CLIENT SAMPLE NO.

SBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LE0308-MB1 BS

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: J031205

Level: (low/med) LOW

Date Received: 03/06/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/12/91

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

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | | S |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | | S |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | | S |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | | S |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | | S |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | | S |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

S: SPIKE COMPOUND

FORM 1 SV-1

12/88 Rev.

9213512.1174

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000314

CLIENT SAMPLE NO.

SBLKMS

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 91LE0308-MB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: J031205

Level: (low/med) LOW Date Received: 03/06/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/12/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | | S |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | | S |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | | S |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | | S |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | | S |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

S: SPIKE COMPOUND

9713512.1175

IB

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000321

CLIENT SAMPLE NO.

SBLKMSD

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 91LE0308-MB1 BSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: J031206

Level: (low/med) LOW Date Received: 03/06/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/12/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | | S |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | | S |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | | S |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | | S |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | | S |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | | S |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

S: SPIKE COMPOUND

9213512.1176

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000322

CLIENT SAMPLE NO.

SBLKMSD

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LE0308-MB1 BSD

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: J031206

Level: (low/med) LOW

Date Received: 03/06/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/12/91

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

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | | S |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | | S |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | | S |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | | S |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | | S |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

S: SPIKE COMPOUND

FORM 1 SV-2

12/88 Rev.

9713512.1177

ID

# PESTICIDE ORGANICS ANALYSIS SHEET 0000017

CLIENT SAMPLE NO.

B00F12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-001

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.16

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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

DCL 5/5/91

9713512.1178

PESTICIDE ORGANICS ANALYSIS SHEET 0000019

CLIENT SAMPLE NO.

B00F34

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-003

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.17

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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

DEL 5/5/91

9713512.1179

1D

PESTICIDE ORGANICS ANALYSIS SHEET 0000024

CLIENT SAMPLE NO.

B00F31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-005

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.20

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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

DEL 5/5/91

9713512.1180

1D

PESTICIDE ORGANICS ANALYSIS SHEET 0000029

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-008

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.21

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

DEL 5/5/91

9713512.1181

ID 0000034

# PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-010

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.22

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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

DCL 5/5/91

9713512.1182

ID 0000039

# PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B00F28

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-013

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.23

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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

DEL 5/5/91

9713512.1183

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|
| -001 | BOOF12 | Alkalinity | 114 | MG/L | 2.0 |
| | | Chloride by IC | 9.0 | mg/L | 0.25 |
| | | Fluoride by IC | 0.50 u | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 u | mg/L | 0.25 |
| | | Nitrate by IC | 0.92 | mg/L | 0.25 |
| | | Cyanide, Total | 10.0 u | UG/L | 10.0 |
| | | Phosphate by IC | 0.25 u | mg/L | 0.25 |
| | | Sulfate by IC | 13.2 | mg/L | 2.5 |
| | | Hardness | 114 | MG/L | 2.0 |
| | | Nitrate Nitrite | 0.26 | MG/L | 0.10 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 1.1 | MG/L | 0.50 |
| | | pH | 8.9 | PH UNITS | 0.10 |
| | | Sulfate | 13.4 | MG/L | 5.0 |
| | | Specific Conductance | 251 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 215 | MG/L | 5.0 |
| -003 | BOOF34 | Alkalinity | 115 | MG/L | 2.0 |
| | | Chloride by IC | 21.3 | mg/L | 5.0 |
| | | Fluoride by IC | 0.85 | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 u | mg/L | 0.25 |
| | | Nitrate by IC | 14.6 | mg/L | 5.0 |
| | | Cyanide, Total | 10.0 u | UG/L | 10.0 |
| | | Phosphate by IC | 0.25 u | mg/L | 0.25 |
| | | Sulfate by IC | 110 | mg/L | 5.0 |
| | | Hardness | 184 | MG/L | 2.0 |
| | | Nitrate Nitrite | 6.3 | MG/L | 2.0 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 1.1 | MG/L | 0.50 |
| | | pH | 7.9 | PH UNITS | 0.10 |
| | | Sulfate | 113 | MG/L | 20.0 |
| | | Specific Conductance | 468 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 358 | MG/L | 5.0 |
| -005 | BOOF31 | Alkalinity | 98.0 | MG/L | 2.0 |
| | | Chloride by IC | 11.6 | mg/L | 2.5 |
| | | Fluoride by IC | 0.98 | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 u | mg/L | 0.25 |
| | | Nitrate by IC | 11.0 | mg/L | 2.5 |
| | | Cyanide, Total | 10.0 u | UG/L | 10.0 |

9713512.1184

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|
| -005 | BOOF31 | Phosphate by IC | 0.25 u | mg/L | 0.25 |
| | | Sulfate by IC | 93.6 | mg/L | 2.5 |
| | | Hardness | 158 | MG/L | 2.0 |
| | | Nitrate Nitrite | 3.1 | MG/L | 1.0 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 0.82 | MG/L | 0.50 |
| | | pH | 7.9 | PH UNITS | 0.10 |
| | | Sulfate | 97.5 | MG/L | 20.0 |
| | | Specific Conductance | 401 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 173 | MG/L | 5.0 |
| -008 | BOOF09 | Alkalinity | 96.0 | MG/L | 2.0 |
| | | Chloride by IC | 12.1 | mg/L | 5.0 |
| | | Fluoride by IC | 10.0 u | mg/L | 10.0 |
| | | Nitrite by IC | 5.0 u | mg/L | 5.0 |
| | | Nitrate by IC | 43.6 | mg/L | 5.0 |
| | | Cyanide, Total | 33.2 | UG/L | 10.0 |
| | | Phosphate by IC | 5.0 u | mg/L | 5.0 |
| | | Sulfate by IC | 105 | mg/L | 5.0 |
| | | Hardness | 199 | MG/L | 2.0 |
| | | Nitrate Nitrite | 11.2 | MG/L | 2.5 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 0.72 | MG/L | 0.50 |
| | | pH | 7.9 | PH UNITS | 0.10 |
| | | Sulfate | 112 | MG/L | 20.0 |
| | | Specific Conductance | 503 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 386 | MG/L | 5.0 |
| -010 | BOOF19 | Alkalinity | 130 | MG/L | 2.0 |
| | | Chloride by IC | 24.7 | mg/L | 5.0 |
| | | Fluoride by IC | 0.94 | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 u | mg/L | 0.25 |
| | | Nitrate by IC | 9.1 | mg/L | 0.25 |
| | | Cyanide, Total | 10.0 u | UG/L | 10.0 |
| | | Phosphate by IC | 0.25 u | mg/L | 0.25 |
| | | Sulfate by IC | 89.3 | mg/L | 5.0 |
| | | Hardness | 178 | MG/L | 2.0 |
| | | Nitrate Nitrite | 2.0 | MG/L | 0.10 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 1.1 | MG/L | 0.50 |

9713512.1185

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|
| -010 | BOOF19 | pH | 7.8 | PH UNITS | 0.10 |
| | | Sulfate | 98.5 | MG/L | 20.0 |
| | | Specific Conductance | 435 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 340 | MG/L | 5.0 |
| -013 | BOOF28 | Alkalinity | 88.0 | MG/L | 2.0 |
| | | Chloride by IC | 12.3 | mg/L | 2.5 |
| | | Fluoride by IC | 0.93 | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 u | mg/L | 0.25 |
| | | Nitrate by IC | 8.4 | mg/L | 0.25 |
| | | Cyanide, Total | 10.0 u | UG/L | 10.0 |
| | | Phosphate by IC | 0.25 u | mg/L | 0.25 |
| | | Sulfate by IC | 87.5 | mg/L | 2.5 |
| | | Hardness | 153 | MG/L | 2.0 |
| | | Nitrate Nitrite | 1.8 | MG/L | 0.10 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 1.2 | MG/L | 0.50 |
| | | pH | 7.8 | PH UNITS | 0.10 |
| | | Sulfate | 90.4 | MG/L | 20.0 |
| | | Specific Conductance | 379 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 297 | MG/L | 5.0 |

9713512.1186

ROY F. WESTON INC.

INORGANICS METHOD BLANK DATA SUMMARY PAGE 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|
| BLANK10 | 91LAL004-MB1 | Alkalinity | 0.50 u | MG/L | 0.50 |
| BLANK20 | 91LAL004-MB2 | Alkalinity | 0.50 u | MG/L | 0.50 |
| BLANK30 | 91LAL004-MB3 | Alkalinity | 0.50 | MG/L | 0.50 |
| BLANK40 | 91LAL004-MB4 | Alkalinity | 0.50 | MG/L | 0.50 |
| BLANK50 | 91LAL004-MB5 | Alkalinity | 2.0 u | MG/L | 2.0 |
| BLANK60 | 91LAL004-MB6 | Alkalinity | 2.0 u | MG/L | 2.0 |
| BLANK1 | 91LIC10-MB1 | Chloride by IC | 0.25 u | mg/L | 0.25 |
| | | Fluoride by IC | 0.50 u | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 u | mg/L | 0.25 |
| | | Nitrate by IC | 0.25 u | mg/L | 0.25 |
| | | Phosphate by IC | 0.25 u | mg/L | 0.25 |
| | | Sulfate by IC | 0.25 u | mg/L | 0.25 |
| BLANK1 | 91LC092-MB1 | Cyanide, Total | 10.0 u | UG/L | 10.0 |
| BLANK10 | 91LHD004-MB1 | Hardness | 1.0 u | MG/L | 1.0 |
| BLANK20 | 91LHD004-MB2 | Hardness | 1.0 u | MG/L | 1.0 |

9713512.1187

ROY F. WESTON INC.

INORGANICS METHOD BLANK DATA SUMMARY PAGE 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|
| BLANK30 | 91LHD004-MB3 | Hardness | 1.0 u | MG/L | 1.0 |
| BLANK10 | 91LNO110-MB1 | Nitrate Nitrite | 0.10 u | MG/L | 0.10 |
| BLANK10 | 91LAM035-MB1 | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| BLANK20 | 91LAM035-MB2 | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| BLANK30 | 91LAM035-MB3 | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| BLANK10 | 91LTC052-MB1 | Total Organic Carbon | 0.50 u | MG/L | 0.50 |
| BLANK20 | 91LTC052-MB2 | Total Organic Carbon | 0.50 u | MG/L | 0.50 |
| BLANK30 | 91LTC052-MB3 | Total Organic Carbon | 0.50 u | MG/L | 0.50 |
| BLANK10 | 91LS4016-MB1 | Sulfate | 5.0 u | MG/L | 5.0 |
| BLANK20 | 91LS4016-MB2 | Sulfate | 5.0 u | MG/L | 5.0 |

9713512.1188

ROY F. WESTON INC.

INORGANICS METHOD BLANK DATA SUMMARY PAGE 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| BLANK30 | 91LS4016-MB3 | Sulfate | 5.0 | u | MG/L | 5.0 |
| BLANK10 | 91LSP014-MB1 | Specific Conductance | 1.0 | u | UMHOS/CM | 1.0 |
| BLANK10 | 91LSS018-MB1 | Total Dissolved Solids | 5.0 | | MG/L | 5.0 |
| BLANK2 | 91LC096-MB2 | Cyanide, Total | 10.0 | u | UG/L | 10.0 |
| BLANK10 | 91LSS019-MB1 | Total Dissolved Solids | 5.0 | u | MG/L | 5.0 |

9713512.1189

ROY F. WESTON INC.

INORGANICS ACCURACY REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | SPIKED SAMPLE | INITIAL RESULT | SPIKED AMOUNT | %RECOV |
|---|---|---|---|---|---|---|
| -001 | BOOF12 | Nitrate Nitrite | 1.1 | 0.26 | 1.0 | 86.3 |
| | | Nitrate Nitrite MSD | 1.1 | 0.26 | 1.0 | 85.5 |
| -013 | BOOF28 | Cyanide, Total | 96.1 | 10.0 u | 100 | 96.1 |
| | | Hardness | 351 | 153 | 200 | 99.0 |
| | | Ammonia, as N | 0.99 | 0.10u | 1.0 | 99.1 |
| BLANK10 | 91LAL004-MB1 | Alkalinity | 104 | 0.50u | 100 | 104 |
| BLANK20 | 91LAL004-MB2 | Alkalinity | 100 | 0.50u | 100 | 100 |
| BLANK30 | 91LAL004-MB3 | Alkalinity | 104 | 0.50 | 100 | 104 |
| BLANK40 | 91LAL004-MB4 | Alkalinity | 104 | 0.50 | 100 | 104 |
| BLANK50 | 91LAL004-MB5 | Alkalinity | 100 | 2.0 u | 100 | 100 |
| BLANK60 | 91LAL004-MB6 | Alkalinity | 102 | 2.0 u | 100 | 102 |
| BLANK1 | 91LIC10-MB1 | Chloride by IC | 5.0 | 0.25u | 5.0 | 99.6 |
| | | Fluoride by IC | 10.0 | 0.50u | 10.0 | 100 |
| | | Nitrite by IC | 5.0 | 0.25u | 5.0 | 99.5 |
| | | Nitrate by IC | 5.0 | 0.25u | 5.0 | 99.5 |
| | | Phosphate by IC | 5.0 | 0.25u | 5.0 | 99.8 |
| | | Sulfate by IC | 5.0 | 0.25u | 5.0 | 100 |
| BLANK10 | 91LHD004-MB1 | Hardness | 100 | 1.0 u | 100 | 100 |

9713512.1190

ROY F. WESTON INC.

INORGANICS ACCURACY REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9103L787

WORK ORDER: 6168-02-01-0000

| SAMPLE | SITE ID | ANALYTE | SPIKED SAMPLE | INITIAL RESULT | SPIKED AMOUNT | %RECOV |
|---|---|---|---|---|---|---|
| BLANK20 | 91LHD004-MB2 | Hardness | 100 | 1.0 u | 100 | 100 |
| | | Hardness MSD | 70.5 | 1.0 u | 70.5 | 100 |
| BLANK30 | 91LHD004-MB3 | Hardness | 102 | 1.0 u | 100 | 102 |
| BLANK10 | 91LNO110-MB1 | Nitrate Nitrite | 0.42 | 0.10u | 0.40 | 105 |
| | | Nitrate Nitrite MSD | 0.41 | 0.10u | 0.40 | 102 |
| BLANK10 | 91LAM035-MB1 | Ammonia, as N | 0.20 | 0.10u | 0.20 | 100 |
| BLANK20 | 91LAM035-MB2 | Ammonia, as N | 1.0 | 0.10u | 1.0 | 102 |
| BLANK30 | 91LAM035-MB3 | Ammonia, as N | 9.6 | 0.10u | 10.0 | 96.5 |
| BLANK10 | 91LTC052-MB1 | Total Organic Carbon | 4.7 | 0.50u | 5.0 | 93.7 |
| | | Total Organic Carbon | 4.9 | 0.50u | 5.0 | 97.7 |
| BLANK20 | 91LTC052-MB2 | Total Organic Carbon | 4.9 | 0.50u | 5.0 | 97.7 |
| BLANK30 | 91LTC052-MB3 | Total Organic Carbon | 4.7 | 0.50u | 5.0 | 93.7 |
| BLANK10 | 91LS4016-MB1 | Sulfate | 20.4 | 5.0 u | 20.0 | 102 |
| | | Sulfate | 20.5 | 5.0 u | 20.0 | 103 |

9713512.1191

ROY F. WESTON INC.

INORGANICS ACCURACY REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | | SPIKED SAMPLE | INITIAL RESULT | SPIKED AMOUNT | %RECOV |
|---|---|---|---|---|---|---|---|
| BLANK20 | 91LS4016-MB2 | Sulfate | | 20.9 | 5.0 u | 20.0 | 105 |
| BLANK30 | 91LS4016-MB3 | Sulfate | | 19.8 | 5.0 u | 20.0 | 99.1 |
| BLANK10 | 91LSP014-MB1 | Specific Conductance | | 653 | 1.0 u | 718 | 91.0 |
| | | Specific Conductance | M | 659 | 1.0 u | 718 | 91.8 |

9713512.1192

ROY F. WESTON INC.

INORGANICS DUPLICATE SPIKE REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9103L787

WORK ORDER: 6168-02-01-0000

| SAMPLE | SITE ID | ANALYTE | SPIKE#1 %RECOV | SPIKE#2 %RECOV | %DIFF |
|---|---|---|---|---|---|
| -001 | BOOF12 | Nitrate Nitrite | 86.3 | 85.5 | 0.90 |
| LCS2 | 91LC092-LC2 | Cyanide, Total LCS | 99.7 | 98.8 | 0.91 |
| BLANK20 | 91LHD004-MB2 | Hardness | 100 | 100 | 0.30 |
| BLANK10 | 91LNO110-MB1 | Nitrate Nitrite | 105 | 102 | 2.3 |
| BLANK10 | 91LTC052-MB1 | Total Organic Carbon | 93.7 | 97.7 | 4.2 |
| BLANK10 | 91LS4016-MB1 | Sulfate | 102 | 103 | 0.80 |
| BLANK10 | 91LSP014-MB1 | Specific Conductance | 91.0 | 91.8 | 0.90 |

9713512.1193

ROY F. WESTON INC.

INORGANICS PRECISION REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | INITIAL RESULT | REPLICATE | % DIFF |
|---|---|---|---|---|---|
| -001REP | BOOF12 | Nitrate Nitrite | 0.26 | 0.28 | 9.3 |
| -008REP | BOOF09 | Specific Conductance | 503 | 502 | 0.22 |
| -013REP | BOOF28 | Cyanide, Total | 10.0 u | 10.0 u | NC |
| | | Hardness | 153 | 155 | 1.2 |
| | | Ammonia, as N | 0.10u | 0.10u | NC |
| | | pH | 7.8 | 7.9 | 1.2 |

9713512.1194

ROY F. WESTON INC.

INORGANICS LABORATORY CONTROL STANDARDS REPORT 03/29/91

| SAMPLE | SITE ID | ANALYTE | SPIKED SAMPLE | SPIKED AMOUNT | UNITS | %RECOV |
|---|---|---|---|---|---|---|
| LCS1 | 91LC092-LC1 | Cyanide, Total LCS | 99.7 | 100 | UG/L | 99.7 |
| LCS2 | 91LC092-LC2 | Cyanide, Total LCS | 98.8 | 100 | UG/L | 98.8 |
| LCS3 | 91LC096-LC3 | Cyanide, Total LCS | 95.2 | 100 | UG/L | 95.2 |
| LCS4 | 91LC096-LC4 | Cyanide, Total LCS | 96.4 | 100 | UG/L | 96.4 |

9713512.1195

U.S. EPA - CLP 0000039

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF12

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787001

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 102 | B | | P |
| 7440-36-0 | Antimony | 21.7 | B | | P |
| 7440-38-2 | Arsenic | 2.00 | U | | F |
| 7440-39-3 | Barium | 87.5 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31800 | | | P |
| 7440-47-3 | Chromium | 80.3 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1900 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 10200 | | | P |
| 7439-96-5 | Manganese | 33.1 | | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 40.5 | | | P |
| 7440-09-7 | Potassium | 5610 | | | P |
| 7782-49-2 | Selenium | 1.20 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 11900 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 20.0 | B | | P |
| 7440-66-6 | Zinc | 11.6 | B | | P |
| | Cyanide | 5.00 | U | | C |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1196

0000040

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF13

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787002

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 110 | B | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 2.00 | U | | F |
| 7440-39-3 | Barium | 81.6 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 30500 | | | P |
| 7440-47-3 | Chromium | 20.8 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1180 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 9740 | | | P |
| 7439-96-5 | Manganese | 20.2 | | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 16.2 | B | | P |
| 7440-09-7 | Potassium | 5890 | | | P |
| 7782-49-2 | Selenium | 1.00 | | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 11200 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 19.8 | B | | P |
| 7440-66-6 | Zinc | 8.20 | B | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1197

0000041

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF34

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787003

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 28.2 | B | | P |
| 7440-38-2 | Arsenic | 5.00 | B | W | F |
| 7440-39-3 | Barium | 28.1 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 52000 | | | P |
| 7440-47-3 | Chromium | 104 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 462 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 15400 | | | P |
| 7439-96-5 | Manganese | 12.4 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 75.1 | | | P |
| 7440-09-7 | Potassium | 7480 | | | P |
| 7782-49-2 | Selenium | 5.00 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 31300 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 34.0 | B | | P |
| 7440-66-6 | Zinc | 5.00 | B | | P |
| | Cyanide | 5.00 | U | | C |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1198

0000042

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF35

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787004

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 5.10 | B | W | F |
| 7440-39-3 | Barium | 28.5 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 53600 | | | P |
| 7440-47-3 | Chromium | 5.10 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 83.2 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 15800 | | | P |
| 7439-96-5 | Manganese | 5.40 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 27.6 | B | | P |
| 7440-09-7 | Potassium | 8120 | | | P |
| 7782-49-2 | Selenium | 7.30 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 32300 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 34.2 | B | | P |
| 7440-66-6 | Zinc | 6.00 | B | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1199

0000043

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF31

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787005

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 5.50 | B | W | F |
| 7440-39-3 | Barium | 32.9 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 46400 | | | P |
| 7440-47-3 | Chromium | 98.7 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 503 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 13400 | | | P |
| 7439-96-5 | Manganese | 10.2 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 53.6 | | | P |
| 7440-09-7 | Potassium | 6860 | | | P |
| 7782-49-2 | Selenium | 5.80 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 25600 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.1 | B | | P |
| 7440-66-6 | Zinc | 19.4 | B | | P |
| | Cyanide | 5.00 | U | | C |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1200

0000044

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF32

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787006

Level (low/med):. LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 5.30 | B | W | F |
| 7440-39-3 | Barium | 33.9 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 49000 | | | P |
| 7440-47-3 | Chromium | 7.00 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 46.2 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14100 | | | P |
| 7439-96-5 | Manganese | 2.40 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 10.7 | B | | P |
| 7440-09-7 | Potassium | 7840 | | | P |
| 7782-49-2 | Selenium | 5.00 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 26900 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 34.8 | B | | P |
| 7440-66-6 | Zinc | 3.30 | B | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1201

0000045

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF09

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787008

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 6.10 | B | W | F |
| 7440-39-3 | Barium | 36.0 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 58200 | | | P |
| 7440-47-3 | Chromium | 112 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.40 | B | | P |
| 7439-89-6 | Iron | 729 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16800 | | | P |
| 7439-96-5 | Manganese | 26.3 | | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 55.0 | | | P |
| 7440-09-7 | Potassium | 8870 | | | P |
| 7782-49-2 | Selenium | 2.40 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 38100 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.5 | B | | P |
| 7440-66-6 | Zinc | 4.40 | B | | P |
| | Cyanide | 33.2 | U | | C |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF10

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787009

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 5.90 | B | W | F |
| 7440-39-3 | Barium | 35.2 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 59600 | | | P |
| 7440-47-3 | Chromium | 3.50 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 115 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 17200 | | | P |
| 7439-96-5 | Manganese | 14.5 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 9580 | | | P |
| 7782-49-2 | Selenium | 2.90 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 39200 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 32.0 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9713512.1203

0000047

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF19

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787010

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.6 | B | | P |
| 7440-38-2 | Arsenic | 2.70 | B | W | F |
| 7440-39-3 | Barium | 64.8 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 57400 | | | P |
| 7440-47-3 | Chromium | 86.1 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1380 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16800 | | | P |
| 7439-96-5 | Manganese | 13.0 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 48.2 | | | P |
| 7440-09-7 | Potassium | 7050 | | | P |
| 7782-49-2 | Selenium | 2.00 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 24000 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 27.8 | B | | P |
| 7440-66-6 | Zinc | 3.60 | B | | P |
| | Cyanide | 5.00 | U | | C |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1204

0000048

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF20

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP707

Matrix (soil/water):WATER Lab Sample ID:9103787011

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 2.70 | B | W | F |
| 7440-39-3 | Barium | 61.4 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 55900 | | | P |
| 7440-47-3 | Chromium | 3.00 | U | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 66.7 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16400 | | | P |
| 7439-96-5 | Manganese | 4.60 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 6580 | | | P |
| 7782-49-2 | Selenium | 2.70 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 23500 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 24.1 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1205

0000043

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF28

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787013

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 2.90 | B | W | F |
| 7440-39-3 | Barium | 23.1 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 50500 | | | P |
| 7440-47-3 | Chromium | 67.3 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.90 | B | | P |
| 7439-89-6 | Iron | 1440 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14700 | | | P |
| 7439-96-5 | Manganese | 37.8 | | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 39.8 | B | | P |
| 7440-09-7 | Potassium | 7710 | | | P |
| 7782-49-2 | Selenium | 1.90 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 27000 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 25.3 | B | | P |
| 7440-66-6 | Zinc | 3.40 | B | | P |
| | Cyanide | 5.00 | U | | C |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1206

0000050

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF29

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:910378701

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 20.1 | B | | P |
| 7440-38-2 | Arsenic | 3.00 | B | W | F |
| 7440-39-3 | Barium | 22.5 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 48700 | | | P |
| 7440-47-3 | Chromium | 3.00 | U | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 90.5 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14200 | | | P |
| 7439-96-5 | Manganese | 19.8 | | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 7330 | | | P |
| 7782-49-2 | Selenium | 2.30 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 25900 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 24.5 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1207

0000051

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F44

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP707

Matrix (soil/water):WATER Lab Sample ID:910381500[illegible]

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 4.90 | B | | F |
| 7440-39-3 | Barium | 26.9 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31300 | | | P |
| 7440-47-3 | Chromium | 56.0 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 231 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 10100 | | | P |
| 7439-96-5 | Manganese | 5.80 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 33.8 | B | | P |
| 7440-09-7 | Potassium | 5570 | | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 23000 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.7 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | 5.00 | U | | C |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1208

0000052

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F45

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103815002

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 4.80 | B | | F |
| 7440-39-3 | Barium | 28.7 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 32700 | | | P |
| 7440-47-3 | Chromium | 5.00 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 37.0 | U | | P |
| 7439-92-1 | Lead | 4.40 | | W | F |
| 7439-95-4 | Magnesium | 10500 | | | P |
| 7439-96-5 | Manganese | 2.00 | U | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 5230 | | | P |
| 7782-49-2 | Selenium | 1.00 | | | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 24000 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.8 | B | | P |
| 7440-66-6 | Zinc | 6.30 | B | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1209

0000053

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F47

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103815033

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 22.4 | B | | P |
| 7440-38-2 | Arsenic | 5.80 | B | | F |
| 7440-39-3 | Barium | 38.5 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31300 | | | P |
| 7440-47-3 | Chromium | 30.3 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 144 | | | P |
| 7439-92-1 | Lead | 2.00 | U | | F |
| 7439-95-4 | Magnesium | 9730 | | | P |
| 7439-96-5 | Manganese | 3.50 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 15.2 | B | | P |
| 7440-09-7 | Potassium | 4930 | B | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 18200 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.4 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | 5.00 | U | | C |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1210

0000054

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F48

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103815004

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 6.30 | B | N | F |
| 7440-39-3 | Barium | 37.8 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 30300 | | | P |
| 7440-47-3 | Chromium | 4.50 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 49.7 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 9360 | | | P |
| 7439-96-5 | Manganese | 2.00 | U | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 5450 | | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 17100 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.0 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

BOOF12

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378701

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 102.00 | B | | P |
| 7440-36-0 | Antimony | 21.70 | B | N | P |
| 7440-38-2 | Arsenic | 2.00 | U | N | F |
| 7440-39-3 | Barium | 87.50 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31800.00 | | | P |
| 7440-47-3 | Chromium | 80.30 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1900.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 10200.00 | | | P |
| 7439-96-5 | Manganese | 33.10 | | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 40.50 | | | P |
| 7440-09-7 | Potassium | 5610.00 | | | P |
| 7782-49-2 | Selenium | 1.20 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 11900.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 20.00 | B | | P |
| 7440-66-6 | Zinc | 11.60 | B | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF13

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378702

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 110.00 | B | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 2.00 | U | N | F |
| 7440-39-3 | Barium | 81.60 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 30500.00 | | | P |
| 7440-47-3 | Chromium | 20.80 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1180.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 9740.00 | | | P |
| 7439-96-5 | Manganese | 20.20 | | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 16.20 | B | | P |
| 7440-09-7 | Potassium | 5890.00 | | | P |
| 7782-49-2 | Selenium | 1.00 | | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 11200.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 19.80 | B | | P |
| 7440-66-6 | Zinc | 8.20 | B | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF34

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378703

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 28.20 | B | N | P |
| 7440-38-2 | Arsenic | 5.00 | B | NW | F |
| 7440-39-3 | Barium | 28.10 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 52000.00 | | | P |
| 7440-47-3 | Chromium | 104.00 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 462.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 15400.00 | | | P |
| 7439-96-5 | Manganese | 12.40 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 75.10 | | | P |
| 7440-09-7 | Potassium | 7480.00 | | | P |
| 7782-49-2 | Selenium | 5.00 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 31300.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 34.00 | B | | P |
| 7440-66-6 | Zinc | 5.00 | B | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

1

# INORGANIC ANALYSIS DATA SHEET

BOOF35

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378704

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 5.10 | B | NW | F |
| 7440-39-3 | Barium | 28.50 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 53600.00 | | | P |
| 7440-47-3 | Chromium | 5.10 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 83.20 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 15800.00 | | | P |
| 7439-96-5 | Manganese | 5.40 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 27.60 | B | | P |
| 7440-09-7 | Potassium | 8120.00 | | | P |
| 7782-49-2 | Selenium | 7.30 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 32300.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 34.20 | B | | P |
| 7440-66-6 | Zinc | 6.00 | B | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

BOOF31

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378705

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 5.50 | B | NW | F |
| 7440-39-3 | Barium | 32.90 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 46400.00 | | | P |
| 7440-47-3 | Chromium | 98.70 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 503.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 13400.00 | | | P |
| 7439-96-5 | Manganese | 10.20 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 53.60 | | | P |
| 7440-09-7 | Potassium | 6860.00 | | | P |
| 7782-49-2 | Selenium | 5.80 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 25600.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.10 | B | | P |
| 7440-66-6 | Zinc | 19.40 | B | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF32

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378706

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 5.30 | B | NW | F |
| 7440-39-3 | Barium | 33.90 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 49000.00 | | | P |
| 7440-47-3 | Chromium | 7.00 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 46.20 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14100.00 | | | P |
| 7439-96-5 | Manganese | 2.40 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 10.70 | B | | P |
| 7440-09-7 | Potassium | 7840.00 | | | P |
| 7782-49-2 | Selenium | 5.00 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 26900.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 34.80 | B | | P |
| 7440-66-6 | Zinc | 3.30 | B | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

1

# INORGANIC ANALYSIS DATA SHEET

BOOF09

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378708

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 6.10 | B | NW | F |
| 7440-39-3 | Barium | 36.00 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 58200.00 | | | P |
| 7440-47-3 | Chromium | 112.00 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.40 | B | | P |
| 7439-89-6 | Iron | 729.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16800.00 | | | P |
| 7439-96-5 | Manganese | 26.30 | | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 55.00 | | | P |
| 7440-09-7 | Potassium | 8870.00 | | | P |
| 7782-49-2 | Selenium | 2.40 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 38100.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.50 | B | | P |
| 7440-66-6 | Zinc | 4.40 | B | | P |
| | Cyanide | 33.20 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF10

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378709

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 5.90 | B | NW | F |
| 7440-39-3 | Barium | 35.20 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 59600.00 | | | P |
| 7440-47-3 | Chromium | 3.50 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 115.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 17200.00 | | | P |
| 7439-96-5 | Manganese | 14.50 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 9580.00 | | | P |
| 7782-49-2 | Selenium | 2.90 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 39200.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 32.00 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF19

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378710

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.60 | B | N | P |
| 7440-38-2 | Arsenic | 2.70 | B | NW | F |
| 7440-39-3 | Barium | 64.80 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 57400.00 | | | P |
| 7440-47-3 | Chromium | 86.10 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1380.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16800.00 | | | P |
| 7439-96-5 | Manganese | 13.00 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 48.20 | | | P |
| 7440-09-7 | Potassium | 7050.00 | | | P |
| 7782-49-2 | Selenium | 2.00 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 24000.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 27.80 | B | | P |
| 7440-66-6 | Zinc | 3.60 | B | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF20

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378711

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 2.70 | B | NW | F |
| 7440-39-3 | Barium | 61.40 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 55900.00 | | | P |
| 7440-47-3 | Chromium | 3.00 | U | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 66.70 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16400.00 | | | P |
| 7439-96-5 | Manganese | 4.60 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 6580.00 | | | P |
| 7782-49-2 | Selenium | 2.70 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 23500.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 24.10 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF28

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378713

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 2.90 | B | NW | F |
| 7440-39-3 | Barium | 23.10 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 50500.00 | | | P |
| 7440-47-3 | Chromium | 67.30 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.90 | B | | P |
| 7439-89-6 | Iron | 1440.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14700.00 | | | P |
| 7439-96-5 | Manganese | 37.80 | | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 39.80 | B | | P |
| 7440-09-7 | Potassium | 7710.00 | | | P |
| 7782-49-2 | Selenium | 1.90 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 27000.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 25.30 | B | | P |
| 7440-66-6 | Zinc | 3.40 | B | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF29

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378714

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 20.10 | B | N | P |
| 7440-38-2 | Arsenic | 3.00 | B | NW | F |
| 7440-39-3 | Barium | 22.50 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 48700.00 | | | P |
| 7440-47-3 | Chromium | 3.00 | U | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 90.50 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14200.00 | | | P |
| 7439-96-5 | Manganese | 19.80 | | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 7330.00 | | | P |
| 7782-49-2 | Selenium | 2.30 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 25900.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 24.50 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF44

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910381501

Level (low/med): LOW Date Received: 3/06/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 4.90 | B | N | F |
| 7440-39-3 | Barium | 26.90 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31300.00 | | | P |
| 7440-47-3 | Chromium | 56.00 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 231.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 10100.00 | | | P |
| 7439-96-5 | Manganese | 5.80 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 33.80 | B | | P |
| 7440-09-7 | Potassium | 5570.00 | | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 23000.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.70 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF45

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910381502

Level (low/med): LOW Date Received: 3/06/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 4.80 | B | N | F |
| 7440-39-3 | Barium | 28.70 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 32700.00 | | | P |
| 7440-47-3 | Chromium | 5.00 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 37.00 | U | | P |
| 7439-92-1 | Lead | 4.40 | | W | F |
| 7439-95-4 | Magnesium | 10500.00 | | | P |
| 7439-96-5 | Manganese | 2.00 | U | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 5230.00 | | | P |
| 7782-49-2 | Selenium | 1.00 | | | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 24000.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.80 | B | | P |
| 7440-66-6 | Zinc | 6.30 | B | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF47

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910381503

Level (low/med): LOW Date Received: 3/06/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 22.40 | B | N | P |
| 7440-38-2 | Arsenic | 5.80 | B | N | F |
| 7440-39-3 | Barium | 38.50 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31300.00 | | | P |
| 7440-47-3 | Chromium | 30.30 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 144.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | | F |
| 7439-95-4 | Magnesium | 9730.00 | | | P |
| 7439-96-5 | Manganese | 3.50 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 15.20 | B | | P |
| 7440-09-7 | Potassium | 4930.00 | B | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 18200.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.40 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF48

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910381504

Level (low/med): LOW Date Received: 3/06/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 6.30 | B | N | F |
| 7440-39-3 | Barium | 37.80 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 30300.00 | | | P |
| 7440-47-3 | Chromium | 4.50 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 49.70 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 9360.00 | | | P |
| 7439-96-5 | Manganese | 2.00 | U | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 5450.00 | | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 17100.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.00 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9713512.1227

0000047

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF19

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787010

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.6 | B | | P |
| 7440-38-2 | Arsenic | 2.70 | B | W | F |
| 7440-39-3 | Barium | 64.8 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 57400 | | | P |
| 7440-47-3 | Chromium | 86.1 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1380 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16800 | | | P |
| 7439-96-5 | Manganese | 13.0 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 48.2 | | | P |
| 7440-09-7 | Potassium | 7050 | | | P |
| 7782-49-2 | Selenium | 2.00 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 24000 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 27.8 | B | | P |
| 7440-66-6 | Zinc | 3.60 | B | | P |
| | Cyanide | 5.00 | U | | C |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1228

0000048

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF20

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP707

Matrix (soil/water):WATER Lab Sample ID:9103787011

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 2.70 | B | W | F |
| 7440-39-3 | Barium | 61.4 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 55900 | | | P |
| 7440-47-3 | Chromium | 3.00 | U | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 66.7 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16400 | | | P |
| 7439-96-5 | Manganese | 4.60 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 6580 | | | P |
| 7782-49-2 | Selenium | 2.70 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 23500 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 24.1 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1229

0000049

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF28

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787013

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 2.90 | B | W | F |
| 7440-39-3 | Barium | 23.1 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 50500 | | | P |
| 7440-47-3 | Chromium | 67.3 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.90 | B | | P |
| 7439-89-6 | Iron | 1440 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14700 | | | P |
| 7439-96-5 | Manganese | 37.8 | | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 39.8 | B | | P |
| 7440-09-7 | Potassium | 7710 | | | P |
| 7782-49-2 | Selenium | 1.90 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 27000 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 25.3 | B | | P |
| 7440-66-6 | Zinc | 3.40 | B | | P |
| | Cyanide | 5.00 | U | | C |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1230

0000050

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF29

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787013

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 20.1 | B | | P |
| 7440-38-2 | Arsenic | 3.00 | B | W | F |
| 7440-39-3 | Barium | 22.5 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 48700 | | | P |
| 7440-47-3 | Chromium | 3.00 | U | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 90.5 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14200 | | | P |
| 7439-96-5 | Manganese | 19.8 | | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 7330 | | | P |
| 7782-49-2 | Selenium | 2.30 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 25900 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 24.5 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1231

0000051

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F44

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP707

Matrix (soil/water):WATER Lab Sample ID:9103815001

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 4.90 | B | | F |
| 7440-39-3 | Barium | 26.9 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31300 | | | P |
| 7440-47-3 | Chromium | 56.0 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 231 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 10100 | | | P |
| 7439-96-5 | Manganese | 5.80 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 33.8 | B | | P |
| 7440-09-7 | Potassium | 5570 | | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 23000 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.7 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | 5.00 | U | | C |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1232

0000052

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F45

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103815002

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 4.80 | B | | F |
| 7440-39-3 | Barium | 28.7 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 32700 | | | P |
| 7440-47-3 | Chromium | 5.00 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 37.0 | U | | P |
| 7439-92-1 | Lead | 4.40 | | W | F |
| 7439-95-4 | Magnesium | 10500 | | | P |
| 7439-96-5 | Manganese | 2.00 | U | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 5230 | | | P |
| 7782-49-2 | Selenium | 1.00 | | | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 24000 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.8 | B | | P |
| 7440-66-6 | Zinc | 6.30 | B | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1233

0000053

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F47

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103815003

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 22.4 | B | | P |
| 7440-38-2 | Arsenic | 5.80 | B | | F |
| 7440-39-3 | Barium | 38.5 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31300 | | | P |
| 7440-47-3 | Chromium | 30.3 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 144 | | | P |
| 7439-92-1 | Lead | 2.00 | U | | F |
| 7439-95-4 | Magnesium | 9730 | | | P |
| 7439-96-5 | Manganese | 3.50 | B | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 15.2 | B | | P |
| 7440-09-7 | Potassium | 4930 | B | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 18200 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.4 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | 5.00 | U | | C |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1234

0000054

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F48

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103815004

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 6.30 | B | N | F |
| 7440-39-3 | Barium | 37.8 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 30300 | | | P |
| 7440-47-3 | Chromium | 4.50 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 49.7 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 9360 | | | P |
| 7439-96-5 | Manganese | 2.00 | U | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 5450 | | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 17100 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.0 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |
| | | | | | |

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF12

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378701

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 102.00 | B | | P |
| 7440-36-0 | Antimony | 21.70 | B | N | P |
| 7440-38-2 | Arsenic | 2.00 | U | N | F |
| 7440-39-3 | Barium | 87.50 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31800.00 | | | P |
| 7440-47-3 | Chromium | 80.30 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1900.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 10200.00 | | | P |
| 7439-96-5 | Manganese | 33.10 | | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 40.50 | | | P |
| 7440-09-7 | Potassium | 5610.00 | | | P |
| 7782-49-2 | Selenium | 1.20 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 11900.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 20.00 | B | | P |
| 7440-66-6 | Zinc | 11.60 | B | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF13

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378702

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 110.00 | B | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 2.00 | U | N | F |
| 7440-39-3 | Barium | 81.60 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 30500.00 | | | P |
| 7440-47-3 | Chromium | 20.80 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1180.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 9740.00 | | | P |
| 7439-96-5 | Manganese | 20.20 | | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 16.20 | B | | P |
| 7440-09-7 | Potassium | 5890.00 | | | P |
| 7782-49-2 | Selenium | 1.00 | | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 11200.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 19.80 | B | | P |
| 7440-66-6 | Zinc | 8.20 | B | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF34

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378703

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 28.20 | B | N | P |
| 7440-38-2 | Arsenic | 5.00 | B | NW | F |
| 7440-39-3 | Barium | 28.10 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 52000.00 | | | P |
| 7440-47-3 | Chromium | 104.00 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 462.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 15400.00 | | | P |
| 7439-96-5 | Manganese | 12.40 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 75.10 | | | P |
| 7440-09-7 | Potassium | 7480.00 | | | P |
| 7782-49-2 | Selenium | 5.00 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 31300.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 34.00 | B | | P |
| 7440-66-6 | Zinc | 5.00 | B | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF35

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378704

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 5.10 | B | NW | F |
| 7440-39-3 | Barium | 28.50 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 53600.00 | | | P |
| 7440-47-3 | Chromium | 5.10 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 83.20 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 15800.00 | | | P |
| 7439-96-5 | Manganese | 5.40 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 27.60 | B | | P |
| 7440-09-7 | Potassium | 8120.00 | | | P |
| 7782-49-2 | Selenium | 7.30 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 32300.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 34.20 | B | | P |
| 7440-66-6 | Zinc | 6.00 | B | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF31

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378705

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 5.50 | B | NW | F |
| 7440-39-3 | Barium | 32.90 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 46400.00 | | | P |
| 7440-47-3 | Chromium | 98.70 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 503.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 13400.00 | | | P |
| 7439-96-5 | Manganese | 10.20 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 53.60 | | | P |
| 7440-09-7 | Potassium | 6860.00 | | | P |
| 7782-49-2 | Selenium | 5.80 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 25600.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.10 | B | | P |
| 7440-66-6 | Zinc | 19.40 | B | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF32

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378706

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 5.30 | B | NW | F |
| 7440-39-3 | Barium | 33.90 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 49000.00 | | | P |
| 7440-47-3 | Chromium | 7.00 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 46.20 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14100.00 | | | P |
| 7439-96-5 | Manganese | 2.40 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 10.70 | B | | P |
| 7440-09-7 | Potassium | 7840.00 | | | P |
| 7782-49-2 | Selenium | 5.00 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 26900.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 34.80 | B | | P |
| 7440-66-6 | Zinc | 3.30 | B | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF09

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378708

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 6.10 | B | NW | F |
| 7440-39-3 | Barium | 36.00 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 58200.00 | | | P |
| 7440-47-3 | Chromium | 112.00 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.40 | B | | P |
| 7439-89-6 | Iron | 729.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16800.00 | | | P |
| 7439-96-5 | Manganese | 26.30 | | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 55.00 | | | P |
| 7440-09-7 | Potassium | 8870.00 | | | P |
| 7782-49-2 | Selenium | 2.40 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 38100.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.50 | B | | P |
| 7440-66-6 | Zinc | 4.40 | B | | P |
| | Cyanide | 33.20 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF10

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378709

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 5.90 | B | NW | F |
| 7440-39-3 | Barium | 35.20 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 59600.00 | | | P |
| 7440-47-3 | Chromium | 3.50 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 115.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 17200.00 | | | P |
| 7439-96-5 | Manganese | 14.50 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 9580.00 | | | P |
| 7782-49-2 | Selenium | 2.90 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 39200.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 32.00 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF19

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378710

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.60 | B | N | P |
| 7440-38-2 | Arsenic | 2.70 | B | NW | F |
| 7440-39-3 | Barium | 64.80 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 57400.00 | | | P |
| 7440-47-3 | Chromium | 86.10 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1380.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16800.00 | | | P |
| 7439-96-5 | Manganese | 13.00 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 48.20 | | | P |
| 7440-09-7 | Potassium | 7050.00 | | | P |
| 7782-49-2 | Selenium | 2.00 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 24000.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 27.80 | B | | P |
| 7440-66-6 | Zinc | 3.60 | B | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF20

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378711

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 2.70 | B | NW | F |
| 7440-39-3 | Barium | 61.40 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 55900.00 | | | P |
| 7440-47-3 | Chromium | 3.00 | U | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 66.70 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 16400.00 | | | P |
| 7439-96-5 | Manganese | 4.60 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 6580.00 | | | P |
| 7782-49-2 | Selenium | 2.70 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 23500.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 24.10 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF28

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378713

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 2.90 | B | NW | F |
| 7440-39-3 | Barium | 23.10 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 50500.00 | | | P |
| 7440-47-3 | Chromium | 67.30 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.90 | B | | P |
| 7439-89-6 | Iron | 1440.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14700.00 | | | P |
| 7439-96-5 | Manganese | 37.80 | | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 39.80 | B | | P |
| 7440-09-7 | Potassium | 7710.00 | | | P |
| 7782-49-2 | Selenium | 1.90 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 27000.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 25.30 | B | | P |
| 7440-66-6 | Zinc | 3.40 | B | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF29

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910378714

Level (low/med): LOW Date Received: 3/02/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 20.10 | B | N | P |
| 7440-38-2 | Arsenic | 3.00 | B | NW | F |
| 7440-39-3 | Barium | 22.50 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 48700.00 | | | P |
| 7440-47-3 | Chromium | 3.00 | U | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 90.50 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 14200.00 | | | P |
| 7439-96-5 | Manganese | 19.80 | | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 7330.00 | | | P |
| 7782-49-2 | Selenium | 2.30 | B | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 25900.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 24.50 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF44

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910381501

Level (low/med): LOW Date Received: 3/06/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 4.90 | B | N | F |
| 7440-39-3 | Barium | 26.90 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31300.00 | | | P |
| 7440-47-3 | Chromium | 56.00 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 231.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 10100.00 | | | P |
| 7439-96-5 | Manganese | 5.80 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 33.80 | B | | P |
| 7440-09-7 | Potassium | 5570.00 | | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 23000.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.70 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

BOOF45

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910381502

Level (low/med): LOW Date Received: 3/06/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 4.80 | B | N | F |
| 7440-39-3 | Barium | 28.70 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 32700.00 | | | P |
| 7440-47-3 | Chromium | 5.00 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 37.00 | U | | P |
| 7439-92-1 | Lead | 4.40 | | W | F |
| 7439-95-4 | Magnesium | 10500.00 | | | P |
| 7439-96-5 | Manganese | 2.00 | U | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 5230.00 | | | P |
| 7782-49-2 | Selenium | 1.00 | | | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 24000.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 33.80 | B | | P |
| 7440-66-6 | Zinc | 6.30 | B | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF47

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910381503

Level (low/med): LOW Date Received: 3/06/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 22.40 | B | N | P |
| 7440-38-2 | Arsenic | 5.80 | B | N | F |
| 7440-39-3 | Barium | 38.50 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31300.00 | | | P |
| 7440-47-3 | Chromium | 30.30 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 144.00 | | | P |
| 7439-92-1 | Lead | 2.00 | U | | F |
| 7439-95-4 | Magnesium | 9730.00 | | | P |
| 7439-96-5 | Manganese | 3.50 | B | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 15.20 | B | | P |
| 7440-09-7 | Potassium | 4930.00 | B | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 18200.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.40 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | 10.00 | U | | C |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

# INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF48

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP787

Matrix (soil/water): WATER Lab Sample ID: 910381504

Level (low/med): LOW Date Received: 3/06/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.00 | U | | P |
| 7440-36-0 | Antimony | 19.00 | U | N | P |
| 7440-38-2 | Arsenic | 6.30 | B | N | F |
| 7440-39-3 | Barium | 37.80 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 30300.00 | | | P |
| 7440-47-3 | Chromium | 4.50 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 49.70 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W | F |
| 7439-95-4 | Magnesium | 9360.00 | | | P |
| 7439-96-5 | Manganese | 2.00 | U | | P |
| 7439-97-6 | Mercury | .20 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 5450.00 | | | P |
| 7782-49-2 | Selenium | 1.00 | U | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 17100.00 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W | F |
| 7440-62-2 | Vanadium | 35.00 | B | | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | NR |

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Westinghouse
Hanford Company

9213142.1251

# OSM RCRA LEVEL C DATA ASSESSMENT

DATE 7/6/91

REVIEWED BY JA Lerch

LABORATORY Weston

CASE # —

SDG # —

RFW# 9103L787

SAMPLES/MATRIX B00F12 B00F28

B00F34 all water

B00F31

B00F09

B00F19

## DATA ASSESSMENT SUMMARY

| QUALITY CONTROL CHECK | ANALYSIS | Anions IC | $NO_2/NO_3$ | Ammonia |
|---|---|---|---|---|
| 1. Holding time | | X | O | O |
| 2. Blank Analysis | | O | O | O |
| 3. Matrix Spike | | O | N/A | O |
| 4. Duplicate | | NE | O | O |
| 5. MS/MSD | | N/A | O | N/A |
| 6. Other QC | | none | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |

O = data had no problems
X = data qualified due to minor problems
M = data qualified due to major problems/some data may be unusable
NE - not evaluated

OVERALL ASSESSSMENT:

NOTES: CN results previously validated in CLP format - Disregard all CN results reported in this data package

o Refer to the corresponding attachments for explanation of any problems.

[1]Anions include Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate

SA 7900 046

Westinghouse
Hanford Company

9713512.1252

# OSM RCRA LEVEL C DATA ASSESSMENT (cont pg 2)

DATE 7/6/91

SAMPLES/MATRIX see COVER

REVIEWED BY JA Lerch

LABORATORY Weston

CASE # —

SDG # —

RFW#9103L787

## DATA ASSESSMENT SUMMARY

| QUALITY CONTROL CHECK | ANALYSIS | TOC | Sulfate | Alkalinity |
|---|---|---|---|---|
| 1. Holding time | | O | O | O |
| 2. Blank Analysis | | O | O | O |
| 3. Matrix Spike | | O | O | O |
| 4. Duplicate | | N/A | N/A | N/A |
| 5. MS/MSD | | O | O | O |
| 6. Other QC | | see attachment | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |

O = data had no problems
X = data qualified due to minor problems
M = data qualified due to major problems/some data may be unusable

OVERALL ASSESSSMENT: See Cover

NOTES: —

o Refer to the corresponding attachments for explanation of any problems.

54 /900 046

Westinghouse
Hanford Company

9213512.1253

# OSM RCRA LEVEL C DATA ASSESSMENT (cont pg 3)

DATE 7/6/91 SAMPLES/MATRIX See COVER

REVIEWED BY JA Lerch

LABORATORY Weston

CASE # —

SDG # —

RFW # 9103L787

## DATA ASSESSMENT SUMMARY

| QUALITY CONTROL CHECK | ANALYSIS | Hardness | Conductance | TDS |
|---|---|---|---|---|
| 1. Holding time | | O | O | O |
| 2. Blank Analysis | | O | O | O |
| 3. Matrix Spike | | O | O | N/A |
| 4. Duplicate | | O | O | NE |
| 5. MS/MSD | | N/A | N/A | N/A |
| 6. other QC | | none | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |

O = data had no problems
X = data qualified due to minor problems
M = data qualified due to major problems/some data may be unusable
NE - not evaluated

OVERALL ASSESSSMENT: See Cover

NOTES: —

o Refer to the corresponding attachments for explanation of any problems.

54 7900 046

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Holding Time

COMMENTS: Anions – several analytes run outside of 48 hr holding time established for water

Ammonia – all samples analyzed within 28 day holding time

$NO_2/NO_3$ – all samples analyzed within 28 day holding time

ACTION: qualify associated results as per OSM guidelines

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|
| all | Nitrate | J | | | |
| | Nitrite | UJ | | | |
| | Phosphate | UJ | | | |

9713512.1255

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Holding Times

COMMENTS: TOC - 28 day holding time met for all samples
Sulfate - 28 day holding time met for all samples
Alkalinity - 14 day holding time met for all samples
Hardness - holding time not specified; all samples analyzed within 12 days

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Holding Time

COMMENTS: Conductance - all samples analyzed within 28 day holding time
TDS - no holding time specified - all samples analyzed within 7 days

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Blank analysis

COMMENTS: Anions - (91LIC10-MB1) - blank free of contamination

Ammonia ~~$NO_2/NO_3$~~ - (91LAM035-MB1, 91LAM035-MB2, 91LAM035-MB3) all method blanks free of contamination

$NO_2/NO_3$ - (91LNO110-MB1) - method blank free of contamination

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Blank Analysis

COMMENTS: Alkalinity - all blanks free of contamination (91LAL004-MB1 thru MB6)
TOC - all blanks free of contamination (91LTC052-MB1 thru MB3)
Sulfate - all blanks free of contamination (91LSH016-MB1 thru MB3)
Hardness - all blanks free of contamination (91LHD004-MB1 thru MB3)

ACTION:

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Blank Analysis

COMMENTS: Conductance - method blank free of contamination (91LSP014-MB1)
TDS - all blanks free of contamination (91LSS018-MB1, 91LSS019-MB1)

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Matrix Spike

COMMENTS: Anions – all blank spike %R acceptable for 91LIC10-MB1
Ammonia – spike recovery acceptable for B00F28; all amonia blank spike recoveries ok
Conductance – blank spike recovery acceptable

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Matrix Spike

COMMENTS: TOC - all blank spike recoveries within limits
Alkalinity - all blank spike recoveries acceptable
Sulfate - all blank spike recoveries acceptable
Hardness - all blank spike recoveries acceptable; B00F28 MS recovery acceptable

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Duplicates

COMMENTS: Ammonia - both sample + replicate results <DL (u) for B00F28
$NO_2/NO_3$ - sample + replicate RPD <10% for B00F12
Anions - no duplicate results provided; not evaluated (NE)
Hardness - B00F28 duplicate RPD < 10%; no problem

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Duplicates

COMMENTS: Conductance – B00F09 replicate RPD < 1%
TDS – no duplicate results reported

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: MS/MSD

COMMENTS: $NO_2/NO_3$ - spike + spike dup. %R and RPD ok for B00F12 and method blank (91LN0110-MB1)

TOC - blank spike + blank spike dup recoveries and RPD's acceptable

Alkalinity - blank spike + blank spike dup %R and RPD's ok

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9713512.1265

RCRA LEVEL C QC

Name JA Lerch Date 7/6/91

QC Check: Other QC

COMMENTS: none

ACTION: —

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9213512.1266

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|
| -001 | BOOF12 | Alkalinity | 114 | MG/L | 2.0 |
| | | Chloride by IC | 9.0 | mg/L | 0.25 |
| | | Fluoride by IC | 0.50 u | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 uJ | mg/L | 0.25 |
| | | Nitrate by IC | 0.92 J | mg/L | 0.25 |
| | | ~~Cyanide, Total~~ | 10.0 u | UG/L | 10.0 |
| | | Phosphate by IC | 0.25 uJ | mg/L | 0.25 |
| | | Sulfate by IC | 13.2 | mg/L | 2.5 |
| | | Hardness | 114 | MG/L | 2.0 |
| | | Nitrate Nitrite | 0.26 | MG/L | 0.10 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 1.1 | MG/L | 0.50 |
| | | pH | 8.9 | PH UNITS | 0.10 |
| | | Sulfate | 13.4 | MG/L | 5.0 |
| | | Specific Conductance | 251 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 215 | MG/L | 5.0 |
| -003 | BOOF34 | Alkalinity | 115 | MG/L | 2.0 |
| | | Chloride by IC | 21.3 | mg/L | 5.0 |
| | | Fluoride by IC | 0.85 | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 uJ | mg/L | 0.25 |
| | | Nitrate by IC | 14.6 J | mg/L | 5.0 |
| | | ~~Cyanide, Total~~ | 10.0 u | UG/L | 10.0 |
| | | Phosphate by IC | 0.25 uJ | mg/L | 0.25 |
| | | Sulfate by IC | 110 | mg/L | 5.0 |
| | | Hardness | 184 | MG/L | 2.0 |
| | | Nitrate Nitrite | 6.3 | MG/L | 2.0 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 1.1 | MG/L | 0.50 |
| | | pH | 7.9 | PH UNITS | 0.10 |
| | | Sulfate | 113 | MG/L | 20.0 |
| | | Specific Conductance | 468 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 358 | MG/L | 5.0 |
| -005 | BOOF31 | Alkalinity | 98.0 | MG/L | 2.0 |
| | | Chloride by IC | 11.6 | mg/L | 2.5 |
| | | Fluoride by IC | 0.98 | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 uJ | mg/L | 0.25 |
| | | Nitrate by IC | 11.0 J | mg/L | 2.5 |
| | | ~~Cyanide, Total~~ | 10.0 u | UG/L | 10.0 |

JJ 7/1/91

9713512.1267

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|
| -005 | BOOF31 | Phosphate by IC | 0.25 uJ | mg/L | 0.25 |
| | | Sulfate by IC | 93.6 | mg/L | 2.5 |
| | | Hardness | 158 | MG/L | 2.0 |
| | | Nitrate Nitrite | 3.1 | MG/L | 1.0 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 0.82 | MG/L | 0.50 |
| | | pH | 7.9 | PH UNITS | 0.10 |
| | | Sulfate | 97.5 | MG/L | 20.0 |
| | | Specific Conductance | 401 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 173 | MG/L | 5.0 |
| -008 | BOOF09 | Alkalinity | 96.0 | MG/L | 2.0 |
| | | Chloride by IC | 12.1 | mg/L | 5.0 |
| | | Fluoride by IC | 10.0 u | mg/L | 10.0 |
| | | Nitrite by IC | 5.0 uJ | mg/L | 5.0 |
| | | Nitrate by IC | 43.6 J | mg/L | 5.0 |
| | | ~~Cyanide, Total~~ | 33.2 | UG/L | 10.0 |
| | | Phosphate by IC | 5.0 uJ | mg/L | 5.0 |
| | | Sulfate by IC | 105 | mg/L | 5.0 |
| | | Hardness | 199 | MG/L | 2.0 |
| | | Nitrate Nitrite | 11.2 | MG/L | 2.5 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 0.72 | MG/L | 0.50 |
| | | pH | 7.9 | PH UNITS | 0.10 |
| | | Sulfate | 112 | MG/L | 20.0 |
| | | Specific Conductance | 503 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 386 | MG/L | 5.0 |
| -010 | BOOF19 | Alkalinity | 130 | MG/L | 2.0 |
| | | Chloride by IC | 24.7 | mg/L | 5.0 |
| | | Fluoride by IC | 0.94 | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 uJ | mg/L | 0.25 |
| | | Nitrate by IC | 9.1 J | mg/L | 0.25 |
| | | ~~Cyanide, Total~~ | 10.0 u | UG/L | 10.0 |
| | | Phosphate by IC | 0.25 uJ | mg/L | 0.25 |
| | | Sulfate by IC | 89.3 | mg/L | 5.0 |
| | | Hardness | 178 | MG/L | 2.0 |
| | | Nitrate Nitrite | 2.0 | MG/L | 0.10 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 1.1 | MG/L | 0.50 |

JJ 7/7/91

9213512.1268

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 03/29/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|
| -010 | BOOF19 | pH | 7.8 | PH UNITS | 0.10 |
| | | Sulfate | 98.5 | MG/L | 20.0 |
| | | Specific Conductance | 435 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 340 | MG/L | 5.0 |
| -013 | BOOF28 | Alkalinity | 88.0 | MG/L | 2.0 |
| | | Chloride by IC | 12.3 | mg/L | 2.5 |
| | | Fluoride by IC | 0.93 | mg/L | 0.50 |
| | | Nitrite by IC | 0.25 u J | mg/L | 0.25 |
| | | Nitrate by IC | 8.4 J | mg/L | 0.25 |
| | | ~~Cyanide, Total~~ | 10.0 u | UG/L | 10.0 |
| | | Phosphate by IC | 0.25 u J | mg/L | 0.25 |
| | | Sulfate by IC | 87.5 | mg/L | 2.5 |
| | | Hardness | 153 | MG/L | 2.0 |
| | | Nitrate Nitrite | 1.8 | MG/L | 0.10 |
| | | Ammonia, as N | 0.10 u | MG/L | 0.10 |
| | | Total Organic Carbon | 1.2 | MG/L | 0.50 |
| | | pH | 7.8 | PH UNITS | 0.10 |
| | | Sulfate | 90.4 | MG/L | 20.0 |
| | | Specific Conductance | 379 | UMHOS/CM | 1.0 |
| | | Total Dissolved Solids | 297 | MG/L | 5.0 |

JJ 7/7/91

9713512.1269

# OSM ORGANIC DATA ASSESSMENT

DATE 10/6/91

REVIEWED BY JA Lerch

LABORATORY Weston

~~CASE #~~ RFW# 91031787

SDG # N/A

SAMPLES/MATRIX B00F12 B00F19
B00F34 B00F72
B00F31 B00F28
B00F37 all water
B00F09

## DATA ASSESSMENT SUMMARY

| | VOA | ABN | PEST |
|---|---|---|---|
| 1. Holding Times (Form I) | O | O | O |
| 2. Surrogate Recovery (II) | O | O | O |
| 3. Matrix Spike/ MSD (III) | O | X | X |
| 4. Blanks (IV) | X | X | O |
| 5. GC/MS Tune (V) | O | O | |
| 6. Calibration (VI-VII; VIII pest) | O | O | O |
| 7. Internal Standards (VIII) | O | X | |
| 8. Instr. Perform. (IX pest) | | | O |
| 9. Other ( ) none | | | |

O = data had no problems
X = data qualified due to minor problems
M = data qualified due to major problems, some data may be unusable

OVERALL ASSESSMENT: no major problems - all results acceptable w/attached qualifiers.

NOTES : Samples B00F37 and B00F72 for VOA analysis only; SemiVOA results reported for B00F28 are reanalyzed sample (B00F28 RE)

Refer to the corresponding attachments for explanation of any problems.

9713542.1270

ORGANIC QC - Holding Times

Name JA Lerch Date 10/4/91

COMMENTS: - all VOA, SemiVOA, and Pest/PCB holding requirements met

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9713512.1271

ORGANIC QC - Surrogate Recovery

Name JA Lerch Date 10/6/91

COMMENTS: VOA, SemiVOA Pest/PCB's — all surrogate recoveries within control limits for samples and blanks

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9715512.1272

ORGANIC QC - MS/MSD

Name JA Lerch Date 10/6/91

COMMENTS: VOA - (BOODL2 from 9102L746) - all MS/MSD recoveries + RPD's ok

SemiVOA - (blank spike + dup) - phenol spike %R high; all other recoveries ok; 5 RPD's high; no indication of major problems

Pest - (blank spike + dup) - DDT spike dup %R high; all other recoveries ok; all RPD's ok; no major problems

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

ORGANIC QC - Blanks

Name JA Lerch Date 10/6/91

COMMENTS: VOA - $MeCl_2$, acetone, $CS_2$ detected in VBLK (91LVW033-MB1) and VBLK (91LVW034-MB1); no tics detected

SemiVOA - di-n-butylphthalate detected with several TICs in SBLK

Pest - no contaminants detected in PBLK

• all VOA, SemiVOA, Pest/AB method blank summaries ok

ACTION: qualify associated results as per OSM guidelines

| | sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|---|
| VOA - | all | $MeCl_2$ | U | | | |
| | | $CS_2$ | U | | | |
| | B00F34 | acetone | U | | | |
| | B00F37 | ⊥ | ⊥ | | | |
| | B00F72 | | | | | |
| SemiVOA | B00F34 | di-n-butylphthalate | 10U | | | |

• blank criteria also applied to several TIC's and unknowns.

9716512.1274

ORGANIC QC - GC/MS Tune

Name JA Lerch Date 10/6/91

COMMENTS: -all VOA + SemiVOA GC tune + mass calibration criteria met

Pest/PCB - N/A

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

ORGANIC QC - Calibrations

Name JA Lerch Date 10/6/91

COMMENTS: VOA, SemiVOA - all calibration criteria met for SPCC + CCC compounds

Pest/PCB - initial cal. linearity check ok for quant + conf columns

- all 72 hr analytical sequence reqs met.

- all cont. cal. factor %D requirements met for quant column

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9713512.1276

ORGANIC QC - Internal Standards

Name JA Lerch Date 10/6/91

COMMENTS: VOA - all IS area counts + RT shifts within limits

SemiVOA - IS area counts outside limits for B00F28; all other area counts and RT shifts ok

- B00F28 reanalyzed; all results ok

Pest/PCB - N/A

ACTION: report SemiVOA results for B00F28 RE

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9713512.1277

ORGANIC QC - Instrument Performance (pest)

Name JA Lerch Date 10/6/91

COMMENTS: - endrin/DDT % breakdown check ok
- all DBC retention time shift %D within limits
- all DDT retention times > 12 min
- all Retention time window criteria met

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9713512.1278

ORGANIC QC - Other

Name JA Lerch Date 10/6/91

COMMENTS: none

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

1A 9213512 1279

VOLATILE ORGANICS ANALYSIS SHEET

0000020

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031020

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/10/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 17 | ~~B~~ U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | ~~2~~ 5 | ~~JB~~ U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

JJ 10/6/91

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0000021

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031020

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/10/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT* | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

0000021 9

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031108

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 20 | ~~B~~ U |
| 67-64-1 | Acetone | ~~7~~ 10 | ~~JB~~ U |
| 75-15-0 | Carbon Disulfide | ~~2~~ 5 | ~~JB~~ U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

10/6/91

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000030

CLIENT SAMPLE NO.

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031108

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | *PROBABLE LAB CONTAMINANT | | | |
| 2. | DIETHYL ETHER* | 6.37 | 10 | J |

1A

VOLATILE ORGANICS ANALYSIS SHEET 0000042

CLIENT SAMPLE NO.

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-005

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: W031109

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ Date Analyzed: 03/11/91

Column: (pack/cap) PACK Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 18 | ~~B~~ U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | ~~2~~ 5 | ~~JB~~ U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

JJ 10/6/91

1E

CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0000043

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-005

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031109

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | *PROBABLE LAB CONTAMINANT | | | |
| 2. | DIETHYL ETHER* | 6.33 | 9 | J |

1A

VOLATILE ORGANICS ANALYSIS SHEET

0000053

CLIENT SAMPLE NO.

BOOF37

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-007

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031110

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 25 | ~~B~~ U |
| 67-64-1 | Acetone | ~~6~~ 10 | ~~JB~~ U |
| 75-15-0 | Carbon Disulfide | ~~2~~ 5 | ~~JB~~ U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 1 | J |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

10/6/91

1E

CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000054

BOOF37

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-007

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031110

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | *PROBABLE LAB CONTAMINANT | | | |
| 2. | DIETHYL ETHER* | 6.33 | 10 | J |

9013412.1287

1A

VOLATILE ORGANICS ANALYSIS SHEET 0000069

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-008

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: W031111

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ Date Analyzed: 03/11/91

Column: (pack/cap) PACK Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 21 | ~~B~~ U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | ~~2~~ 5 | ~~JB~~ U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

JJ 10/6/91

9213512.1288

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000070

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-008

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031111

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | *PROBABLE LAB CONTAMINANT | | | |
| 2. | DIETHYL ETHER* | 6.33 | 9 | J |

1A

VOLATILE ORGANICS ANALYSIS SHEET 0000080

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-010

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: W031112

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ Date Analyzed: 03/11/91

Column: (pack/cap) PACK Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 5 | ~~B~~ U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | ~~2~~ 5 | ~~JB~~ U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

JB 10/6/91

1E 9413512.1290

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0000081

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-010

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031112

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |

FORM 1 VOA-TIC 12/88 Rev.

9103L787.291

VOLATILE ORGANICS ANALYSIS SHEET 0000088

CLIENT SAMPLE NO.

BOOF72

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-012

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031113

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 13 | ~~B~~ U |
| 67-64-1 | Acetone | 10 | ~~B~~ U |
| 75-15-0 | Carbon Disulfide | ~~2~~ 5 | ~~JB~~ U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 1 | J |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

10/6/91

1E 0-15512 1292

VOLATILE ORGANICS ANALYSIS SHEET 0000089
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BOOF72

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-012

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031113

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |

FORM 1 VOA-TIC 12/88 Rev.

9113512.1293

1A

VOLATILE ORGANICS ANALYSIS SHEET 0000101

CLIENT SAMPLE NO.

BOOF28

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-013

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031114

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 5 | ~~B~~ U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | ~~2~~ 5 | ~~JB~~ U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Xylene (total) | 5 | U |

10/6/91

CLIENT SAMPLE NO.

BOOF28

# VOLATILE ORGANICS ANALYSIS SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-013

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W031114

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____

Date Analyzed: 03/11/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000022

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032210

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 1 | J |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032210

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9213512.1297

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000024

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032210

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

Number TICs found: 9

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPYRANONE | ~~4.97~~ | ~~100~~ | ~~JB~~ |
| 2. | UNKNOWN | ~~5.22~~ | ~~200~~ | ~~JB~~ |
| 3. | UNKNOWN | 6.45 | 30 | J |
| 4. | UNKNOWN | 7.93 | 6 | J |
| 5. | METHYLCYCLOHEXENONE | 8.02 | 10 | J |
| 6. | UNKNOWN | 9.20 | 9 | J |
| 7. | UNKNOWN | 9.38 | 5 | J |
| 8. | UNKNOWN | 9.62 | 8 | J |
| 9. | UNKNOWN | 11.92 | 30 | J |

10/6/91

1B 9213512.1298

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000043

CLIENT SAMPLE NO.

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032211

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

9/3/91 12:29

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000044

CLIENT SAMPLE NO.

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032211

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | ~~1~~ 10 | ~~JB~~ U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1 | J |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

JJ 10/6/91

(1) - Cannot be separated from Diphenylamine

FORM 1 SV-2 12/88 Rev.

9213512.1300

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000045
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032211

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPYRANONE | ~~4.93~~ | ~~7~~ | ~~JB~~ |
| 2. | UNKNOWN | ~~5.17~~ | ~~60~~ | ~~JB~~ |
| 3. | TRICHLOROPROPENE | ~~6.13~~ | ~~5~~ | ~~JB~~ |

10/6/91

9213512.1301

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000060

CLIENT SAMPLE NO.

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032212

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

9213512.1302

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000061

CLIENT SAMPLE NO.

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032212

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/22/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000062

CLIENT SAMPLE NO.

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032212

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/22/91

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

Dilution Factor: 1.00

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPYRANONE | ~~4.95~~ | ~~10~~ | ~~JB~~ |
| 2. | UNKNOWN | ~~5.17~~ | ~~40~~ | ~~JB~~ |

10/6/91

FORM 1 SV-TIC 12/88 Rev.

1B 9213512.1304

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000072

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032606

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000073

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032606

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 3 | J |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

1F

9713512.1306

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000074

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032606

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

Number TICs found: 4

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.87 | 20 | J |
| 2. | UNKNOWN | ~~5.22~~ | ~~8~~ | ~~JB~~ |
| 3. | TETRAHYDROPYRANONE | ~~5.48~~ | ~~20~~ | ~~JB~~ |
| 4. | UNKNOWN | ~~5.73~~ | ~~200~~ | ~~JB~~ |

10/6/91

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000087

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032608

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000088

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032608

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9213512.1309

1F

0000089

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-010

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032608

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/26/91

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

Dilution Factor: 1.00

Number TICs found: 5

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPROPANE | ~~5.25~~ | ~~20~~ | ~~JB~~ |
| 2. | UNKNOWN | ~~5.52~~ | ~~200~~ | ~~JB~~ |
| 3. | UNKNOWN | 6.28 | 5 | J |
| 4. | TRICHLOROPROPENE | ~~6.55~~ | ~~4~~ | ~~JB~~ |
| 5. | UNKNOWN | 9.72 | 10 | J |

10/6/91

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000102

CLIENT SAMPLE NO.

BOOF28

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032609

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

10

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000103

CLIENT SAMPLE NO.

BOOF28

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: L032609

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 03/26/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9103512.1312

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000104

CLIENT SAMPLE NO.

BOOF28

Lab Name: Roy F. Weston, Inc. Work Order: 5168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-013

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032609

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/26/91

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

Dilution Factor: 1.00

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | TETRAHYDROPYRANONE | ~~5.23~~ | ~~3~~ | ~~JB~~ |
| 2. | UNKNOWN | ~~5.47~~ | ~~20~~ | ~~JB~~ |

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000114

CLIENT SAMPLE NO.

B00F28RE

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-013 RE

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032809

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/28/91

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

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 108-95-2 | Phenol | 10 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U |
| 100-51-6 | Benzyl alcohol | 10 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 10 | U |
| 106-44-5 | 4-Methylphenol | 10 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 65-85-0 | Benzoic acid | 50 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 50 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 50 | U |
| 131-11-3 | Dimethylphthalate | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |

9713512.1314

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000115

CLIENT SAMPLE NO.

BOOF28RE

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-013 RE

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032809

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/28/91

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

Dilution Factor: 1.00

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

| CAS NO. | COMPOUND | | |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 50 | U |
| 83-32-9 | Acenaphthene | 10 | U |
| 51-28-5 | 2,4-Dinitrophenol | 50 | U |
| 100-02-7 | 4-Nitrophenol | 50 | U |
| 132-64-9 | Dibenzofuran | 10 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2 | Diethylphthalate | 10 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 100-01-6 | 4-Nitroaniline | 50 | U |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 50 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 10 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 10 | U |
| 118-74-1 | Hexachlorobenzene | 10 | U |
| 87-86-5 | Pentachlorophenol | 50 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 84-74-2 | Di-n-Butylphthalate | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |
| 85-68-7 | Butylbenzylphthalate | 10 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 20 | U |
| 56-55-3 | Benzo(a)anthracene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 10 | U |
| 117-84-0 | Di-n-Octyl phthalate | 10 | U |
| 205-99-2 | Benzo(b)fluoranthene | 10 | U |
| 207-08-9 | Benzo(k)fluoranthene | 10 | U |
| 50-32-8 | Benzo(a)pyrene | 10 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3 | Dibenzo(a,h)anthracene | 10 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 10 | U |

(1) - Cannot be separated from Diphenylamine

9103512.1315

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000116

CLIENT SAMPLE NO.

BOOF28RE

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-013 RE

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: L032809

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 03/28/91

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

Dilution Factor: 1.00

Number TICs found: 6

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | UNKNOWN | 4.77 | 7 | J |
| 2. | TETRAHYDROPYRANONE | ~~5.05~~ | ~~7~~ | ~~JB~~ |
| 3. | UNKNOWN | 5.28 | 40 | JB - |
| 4. | UNKNOWN | 6.08 | 5 | JB |
| 5. | TRICHLOROPROPENE | ~~6.37~~ | ~~4~~ | ~~JB~~ |
| 6. | UNKNOWN | 9.90 | 4 | J |

10/6/91

ID

PESTICIDE ORGANICS ANALYSIS SHEET 9715912.1316 0000017

CLIENT SAMPLE NO.

BOOF12

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-001

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.16

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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

DCL 5/8/91

FORM 1 PEST 12/88 Rev.

1D

PESTICIDE ORGANICS ANALYSIS SHEET 0000019

CLIENT SAMPLE NO.

BOOF34

Lab Name: Roy F. Weston, Inc. Work Order: 5168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-003

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.17

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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

DEL 5/5/91

1D

PESTICIDE ORGANICS ANALYSIS SHEET 0000024

CLIENT SAMPLE NO.

BOOF31

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-005

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.20

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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

DEL 515191

1D 9212 1319

PESTICIDE ORGANICS ANALYSIS SHEET 0000029

CLIENT SAMPLE NO.

BOOF09

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L787-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: 04129109.21

Level: (low/med) LOW

Date Received: 03/02/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/13/91

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

Dilution Factor: 1.00

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

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

DEL 5/5/91

ID 07B512 1320

# PESTICIDE ORGANICS ANALYSIS SHEET 0000037

CLIENT SAMPLE NO.

BOOF19

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-010

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.22

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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

DCL 5/5/91

# PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BOOF28

Lab Name: Roy F. Weston, Inc. Work Order: 6168-02-01-0000

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L787-013

Sample wt/vol: 990 (g/mL) ML Lab File ID: 04129109.23

Level: (low/med) LOW Date Received: 03/02/91

% Moisture: not dec. _____ dec. Date Extracted: 03/06/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/13/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

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

DEL 5/5/91

Westinghouse Hanford Company

9713512.1322

# OSM RCRA LEVEL C DATA ASSESSMENT

DATE 11/9/91

REVIEWED BY JA Lerch

LABORATORY Weston

~~CASE #~~ RKW 9103L787 (also 9103L815)

SDG # N/A

SAMPLES/MATRIX B00F12 B00F32 B00F28
B00F13 B00F09 B00F29
B00F34 B00F10 B00F44
B00F35 B00F19 B00F45
B00F31 B00F20 B00F47
all water B00F48

## DATA ASSESSMENT SUMMARY

| QUALITY CONTROL CHECK | ANALYSIS ICP(Bi, Sr, Sn) | | |
|---|---|---|---|
| 1. Holding time | O | | |
| 2. Blanks | O | | |
| 3. Spike Recovery | X | | |
| 4. Duplicates | O | | |
| 5. LCS | O | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

O = data had no problems
X = data qualified due to minor problems
M = data qualified due to major problems/some data may be unusable

OVERALL ASSESSSMENT: no major problems - all results acceptable w/attached qualifiers

NOTES: See CLP report for TAL results, CASE NARRATIVE etc. disregard all other results reported in this package

o Refer to the corresponding attachments for explanation of any problems.

54 7900 046

9715512.1323

RCRA LEVEL C QC

Name JA Lerch Date 11/9/91

QC Check: Holding time

COMMENTS: - 6 mo Holding time met for all samples

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9713512.1324

RCRA LEVEL C QC

Name JA Lerch JL Date 11/9/91

QC Check: Blanks

COMMENTS: -all method blanks free of contamination

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 11/9/91

QC Check: Spike Recovery

COMMENTS: B00F48 - Bi, Sr, Sn MS % Recovery ok; Bi MSD recovery low
-all Sr, Sn LCS spike + spike dup recoveries ok

ACTION: qualify associated results as per DSM guidelines

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|
| all | Bi | UJ | | | |

RCRA LEVEL C QC

Name JA Lerch Date 11/9/91

QC Check: Duplicates

COMMENTS: B00F48 - Bi, Sn, Sr replicate %D results ok
- all Sn, Sr, LCS spike + spike dup %D ok

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

RCRA LEVEL C QC

Name JA Lerch Date 11/9/91

QC Check: LCS

COMMENTS: - all Bi, Sn, Sr LCS recoveries ok

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9713512.1328

0000009

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -001 | BOOF12 | Silver, Total | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Total | 200 | u | UG/L | 200 |
| | | Arsenic, Total | 10.0 | u | UG/L | 10.0 |
| | | Boron, Total | 100 | u | UG/L | 100 |
| | | Barium, Total | 200 | u | UG/L | 200 |
| | | Beryllium, Total | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Total | 150 | uJ | UG/L | 150 |
| | | Calcium, Total | 31800 | | UG/L | 5000 |
| | | Cadmium, Total | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Total | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Total | 80.3 | | UG/L | 10.0 |
| | | Copper, Total | 25.0 | u | UG/L | 25.0 |
| | | Iron, Total | 1900 | | UG/L | 100 |
| | | Mercury, Total | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Total | 5610 | | UG/L | 5000 |
| | | Magnesium, Total | 10200 | | UG/L | 5000 |
| | | Manganese, Total | 33.1 | | UG/L | 15.0 |
| | | Sodium, Total | 11900 | | UG/L | 5000 |
| | | Nickel, Total | 40.5 | | UG/L | 40.0 |
| | | Lead, Total | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Total | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Total | 5.0 | u | UG/L | 5.0 |
| | | Tin, Total | 100 | u | UG/L | 100 |
| | | Strontium, Total | 246 | | UG/L | 100 |
| | | Thallium, Total | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Total | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Total | 20.0 | u | UG/L | 20.0 |

11/9/91

9213512.1529

0000010

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -002 | BOOF13 | Silver, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Soluble | 200 | u | UG/L | 200 |
| | | Arsenic, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Boron, Soluble | 100 | u | UG/L | 100 |
| | | Barium, Soluble | 200 | u | UG/L | 200 |
| | | Beryllium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Soluble | 150 | uJ | UG/L | 150 |
| | | Calcium, Soluble | 30500 | | UG/L | 5000 |
| | | Cadmium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Soluble | 20.8 | | UG/L | 10.0 |
| | | Copper, Soluble | 25.0 | u | UG/L | 25.0 |
| | | Iron, Soluble | 1180 | | UG/L | 100 |
| | | Mercury, Soluble | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Soluble | 5890 | | UG/L | 5000 |
| | | Magnesium, Soluble | 9740 | | UG/L | 5000 |
| | | Manganese, Soluble | 20.2 | | UG/L | 15.0 |
| | | Sodium, Soluble | 11200 | | UG/L | 5000 |
| | | Nickel, Soluble | 40.0 | u | UG/L | 40.0 |
| | | Lead, Soluble | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Soluble | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Tin, Soluble | 100 | u | UG/L | 100 |
| | | Strontium, Soluble | 234 | | UG/L | 100 |
| | | Thallium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Soluble | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1330

0000011

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -003 | BOOF34 | Silver, Total | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Total | 200 | u | UG/L | 200 |
| | | Arsenic, Total | 10.0 | u | UG/L | 10.0 |
| | | Boron, Total | 100 | u | UG/L | 100 |
| | | Barium, Total | 200 | u | UG/L | 200 |
| | | Beryllium, Total | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Total | 150 | uJ | UG/L | 150 |
| | | Calcium, Total | 52000 | | UG/L | 5000 |
| | | Cadmium, Total | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Total | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Total | 104 | | UG/L | 10.0 |
| | | Copper, Total | 25.0 | u | UG/L | 25.0 |
| | | Iron, Total | 462 | | UG/L | 100 |
| | | Mercury, Total | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Total | 7480 | | UG/L | 5000 |
| | | Magnesium, Total | 15400 | | UG/L | 5000 |
| | | Manganese, Total | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Total | 31300 | | UG/L | 5000 |
| | | Nickel, Total | 75.1 | | UG/L | 40.0 |
| | | Lead, Total | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Total | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Total | 5.0 | | UG/L | 5.0 |
| | | Tin, Total | 100 | u | UG/L | 100 |
| | | Strontium, Total | 257 | | UG/L | 100 |
| | | Thallium, Total | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Total | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Total | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1331

0000012

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -004 | BOOF35 | Silver, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Soluble | 200 | u | UG/L | 200 |
| | | Arsenic, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Boron, Soluble | 100 | u | UG/L | 100 |
| | | Barium, Soluble | 200 | u | UG/L | 200 |
| | | Beryllium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Soluble | 150 | uJ | UG/L | 150 |
| | | Calcium, Soluble | 53600 | | UG/L | 5000 |
| | | Cadmium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Copper, Soluble | 25.0 | u | UG/L | 25.0 |
| | | Iron, Soluble | 100 | u | UG/L | 100 |
| | | Mercury, Soluble | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Soluble | 8120 | | UG/L | 5000 |
| | | Magnesium, Soluble | 15800 | | UG/L | 5000 |
| | | Manganese, Soluble | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Soluble | 32300 | | UG/L | 5000 |
| | | Nickel, Soluble | 40.0 | u | UG/L | 40.0 |
| | | Lead, Soluble | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Soluble | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Soluble | 7.3 | | UG/L | 5.0 |
| | | Tin, Soluble | 100 | u | UG/L | 100 |
| | | Strontium, Soluble | 264 | | UG/L | 100 |
| | | Thallium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Soluble | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1332

0000013

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9103L787

WORK ORDER: 6168-02-01-0000

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -005 | BOOF31 | Silver, Total | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Total | 200 | u | UG/L | 200 |
| | | Arsenic, Total | 10.0 | u | UG/L | 10.0 |
| | | Boron, Total | 100 | u | UG/L | 100 |
| | | Barium, Total | 200 | u | UG/L | 200 |
| | | Beryllium, Total | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Total | 150 | u J | UG/L | 150 |
| | | Calcium, Total | 46400 | | UG/L | 5000 |
| | | Cadmium, Total | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Total | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Total | 98.7 | | UG/L | 10.0 |
| | | Copper, Total | 25.0 | u | UG/L | 25.0 |
| | | Iron, Total | 503 | | UG/L | 100 |
| | | Mercury, Total | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Total | 6860 | | UG/L | 5000 |
| | | Magnesium, Total | 13400 | | UG/L | 5000 |
| | | Manganese, Total | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Total | 25600 | | UG/L | 5000 |
| | | Nickel, Total | 53.6 | | UG/L | 40.0 |
| | | Lead, Total | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Total | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Total | 5.8 | | UG/L | 5.0 |
| | | Tin, Total | 100 | u | UG/L | 100 |
| | | Strontium, Total | 226 | | UG/L | 100 |
| | | Thallium, Total | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Total | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Total | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1333

0000014

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -006 | BOOF32 | Silver, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Soluble | 200 | u | UG/L | 200 |
| | | Arsenic, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Boron, Soluble | 100 | u | UG/L | 100 |
| | | Barium, Soluble | 200 | u | UG/L | 200 |
| | | Beryllium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Soluble | 150 | uJ | UG/L | 150 |
| | | Calcium, Soluble | 49000 | | UG/L | 5000 |
| | | Cadmium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Copper, Soluble | 25.0 | u | UG/L | 25.0 |
| | | Iron, Soluble | 100 | u | UG/L | 100 |
| | | Mercury, Soluble | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Soluble | 7840 | | UG/L | 5000 |
| | | Magnesium, Soluble | 14100 | | UG/L | 5000 |
| | | Manganese, Soluble | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Soluble | 26900 | | UG/L | 5000 |
| | | Nickel, Soluble | 40.0 | u | UG/L | 40.0 |
| | | Lead, Soluble | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Soluble | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Soluble | 5.0 | | UG/L | 5.0 |
| | | Tin, Soluble | 100 | u | UG/L | 100 |
| | | Strontium, Soluble | 238 | | UG/L | 100 |
| | | Thallium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Soluble | 20.0 | u | UG/L | 20.0 |

JJ 11/9/91

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -008 | BOOF09 | Silver, Total | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Total | 200 | u | UG/L | 200 |
| | | Arsenic, Total | 10.0 | u | UG/L | 10.0 |
| | | Boron, Total | 100 | u | UG/L | 100 |
| | | Barium, Total | 200 | u | UG/L | 200 |
| | | Beryllium, Total | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Total | 150 | uJ | UG/L | 150 |
| | | Calcium, Total | 58200 | | UG/L | 5000 |
| | | Cadmium, Total | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Total | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Total | 112 | | UG/L | 10.0 |
| | | Copper, Total | 25.0 | u | UG/L | 25.0 |
| | | Iron, Total | 729 | | UG/L | 100 |
| | | Mercury, Total | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Total | 8870 | | UG/L | 5000 |
| | | Magnesium, Total | 16800 | | UG/L | 5000 |
| | | Manganese, Total | 26.3 | | UG/L | 15.0 |
| | | Sodium, Total | 38100 | | UG/L | 5000 |
| | | Nickel, Total | 55.0 | | UG/L | 40.0 |
| | | Lead, Total | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Total | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Total | 5.0 | u | UG/L | 5.0 |
| | | Tin, Total | 100 | u | UG/L | 100 |
| | | Strontium, Total | 296 | | UG/L | 100 |
| | | Thallium, Total | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Total | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Total | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1555

0000016

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -009 | BOOF10 | Silver, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Soluble | 200 | u | UG/L | 200 |
| | | Arsenic, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Boron, Soluble | 100 | u | UG/L | 100 |
| | | Barium, Soluble | 200 | u | UG/L | 200 |
| | | Beryllium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Soluble | 150 | uJ | UG/L | 150 |
| | | Calcium, Soluble | 59600 | | UG/L | 5000 |
| | | Cadmium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Copper, Soluble | 25.0 | u | UG/L | 25.0 |
| | | Iron, Soluble | 115 | | UG/L | 100 |
| | | Mercury, Soluble | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Soluble | 9580 | | UG/L | 5000 |
| | | Magnesium, Soluble | 17200 | | UG/L | 5000 |
| | | Manganese, Soluble | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Soluble | 39200 | | UG/L | 5000 |
| | | Nickel, Soluble | 40.0 | u | UG/L | 40.0 |
| | | Lead, Soluble | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Soluble | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Tin, Soluble | 100 | u | UG/L | 100 |
| | | Strontium, Soluble | 305 | | UG/L | 100 |
| | | Thallium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Soluble | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1336

0000017

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -010 | BOOF19 | Silver, Total | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Total | 200 | u | UG/L | 200 |
| | | Arsenic, Total | 10.0 | u | UG/L | 10.0 |
| | | Boron, Total | 100 | u | UG/L | 100 |
| | | Barium, Total | 200 | u | UG/L | 200 |
| | | Beryllium, Total | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Total | 150 | uJ | UG/L | 150 |
| | | Calcium, Total | 57400 | | UG/L | 5000 |
| | | Cadmium, Total | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Total | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Total | 86.1 | | UG/L | 10.0 |
| | | Copper, Total | 25.0 | u | UG/L | 25.0 |
| | | Iron, Total | 1380 | | UG/L | 100 |
| | | Mercury, Total | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Total | 7050 | | UG/L | 5000 |
| | | Magnesium, Total | 16800 | | UG/L | 5000 |
| | | Manganese, Total | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Total | 24000 | | UG/L | 5000 |
| | | Nickel, Total | 48.2 | | UG/L | 40.0 |
| | | Lead, Total | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Total | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Total | 5.0 | u | UG/L | 5.0 |
| | | Tin, Total | 100 | u | UG/L | 100 |
| | | Strontium, Total | 289 | | UG/L | 100 |
| | | Thallium, Total | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Total | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Total | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1557

0000018

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -011 | BOOF20 | Silver, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Soluble | 200 | u | UG/L | 200 |
| | | Arsenic, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Boron, Soluble | 100 | u | UG/L | 100 |
| | | Barium, Soluble | 200 | u | UG/L | 200 |
| | | Beryllium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Soluble | 150 | uJ | UG/L | 150 |
| | | Calcium, Soluble | 55900 | | UG/L | 5000 |
| | | Cadmium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Copper, Soluble | 25.0 | u | UG/L | 25.0 |
| | | Iron, Soluble | 100 | u | UG/L | 100 |
| | | Mercury, Soluble | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Soluble | 6580 | | UG/L | 5000 |
| | | Magnesium, Soluble | 16400 | | UG/L | 5000 |
| | | Manganese, Soluble | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Soluble | 23500 | | UG/L | 5000 |
| | | Nickel, Soluble | 40.0 | u | UG/L | 40.0 |
| | | Lead, Soluble | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Soluble | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Tin, Soluble | 100 | u | UG/L | 100 |
| | | Strontium, Soluble | 283 | | UG/L | 100 |
| | | Thallium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Soluble | 20.0 | u | UG/L | 20.0 |

11/9/91

9715512.1358

0000019

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -013 | BOOF28 | Silver, Total | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Total | 200 | u | UG/L | 200 |
| | | Arsenic, Total | 10.0 | u | UG/L | 10.0 |
| | | Boron, Total | 100 | u | UG/L | 100 |
| | | Barium, Total | 200 | u | UG/L | 200 |
| | | Beryllium, Total | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Total | 150 | uJ | UG/L | 150 |
| | | Calcium, Total | 50500 | | UG/L | 5000 |
| | | Cadmium, Total | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Total | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Total | 67.3 | | UG/L | 10.0 |
| | | Copper, Total | 25.0 | u | UG/L | 25.0 |
| | | Iron, Total | 1440 | | UG/L | 100 |
| | | Mercury, Total | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Total | 7710 | | UG/L | 5000 |
| | | Magnesium, Total | 14700 | | UG/L | 5000 |
| | | Manganese, Total | 37.8 | | UG/L | 15.0 |
| | | Sodium, Total | 27000 | | UG/L | 5000 |
| | | Nickel, Total | 40.0 | u | UG/L | 40.0 |
| | | Lead, Total | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Total | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Total | 5.0 | u | UG/L | 5.0 |
| | | Tin, Total | 100 | u | UG/L | 100 |
| | | Strontium, Total | 256 | | UG/L | 100 |
| | | Thallium, Total | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Total | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Total | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1339

0000020

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L787

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -014 | BOOF29 | Silver, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Soluble | 200 | u | UG/L | 200 |
| | | Arsenic, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Boron, Soluble | 100 | u | UG/L | 100 |
| | | Barium, Soluble | 200 | u | UG/L | 200 |
| | | Beryllium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Soluble | 150 | uJ | UG/L | 150 |
| | | Calcium, Soluble | 48700 | | UG/L | 5000 |
| | | Cadmium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Copper, Soluble | 25.0 | u | UG/L | 25.0 |
| | | Iron, Soluble | 100 | u | UG/L | 100 |
| | | Mercury, Soluble | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Soluble | 7330 | | UG/L | 5000 |
| | | Magnesium, Soluble | 14200 | | UG/L | 5000 |
| | | Manganese, Soluble | 19.8 | | UG/L | 15.0 |
| | | Sodium, Soluble | 25900 | | UG/L | 5000 |
| | | Nickel, Soluble | 40.0 | u | UG/L | 40.0 |
| | | Lead, Soluble | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Soluble | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Tin, Soluble | 100 | u | UG/L | 100 |
| | | Strontium, Soluble | 248 | | UG/L | 100 |
| | | Thallium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Soluble | 20.0 | u | UG/L | 20.0 |

11/9/91

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L815

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -001 | B00F44 | Silver, Total | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Total | 200 | u | UG/L | 200 |
| | | Arsenic, Total | 10.0 | u | UG/L | 10.0 |
| | | Barium, Total | 200 | u | UG/L | 200 |
| | | Beryllium, Total | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Total | 150 | uJ | UG/L | 150 |
| | | Calcium, Total | 31300 | | UG/L | 5000 |
| | | Cadmium, Total | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Total | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Total | 56.0 | | UG/L | 10.0 |
| | | Copper, Total | 25.0 | u | UG/L | 25.0 |
| | | Iron, Total | 231 | | UG/L | 100 |
| | | Mercury, Total | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Total | 5570 | | UG/L | 5000 |
| | | Magnesium, Total | 10100 | | UG/L | 5000 |
| | | Manganese, Total | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Total | 23000 | | UG/L | 5000 |
| | | Nickel, Total | 40.0 | u | UG/L | 40.0 |
| | | Lead, Total | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Total | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Total | 5.0 | u | UG/L | 5.0 |
| | | Tin, Total | 100 | u | UG/L | 100 |
| | | Strontium, Total | 164 | | UG/L | 100 |
| | | Thallium, Total | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Total | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Total | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1341

0000028

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L815

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -002 | B00F45 | Silver, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Soluble | 200 | u | UG/L | 200 |
| | | Arsenic, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Barium, Soluble | 200 | u | UG/L | 200 |
| | | Beryllium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Soluble | 150 | u | UG/L | 150 |
| | | Calcium, Soluble | 32700 | | UG/L | 5000 |
| | | Cadmium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Copper, Soluble | 25.0 | u | UG/L | 25.0 |
| | | Iron, Soluble | 100 | u | UG/L | 100 |
| | | Mercury, Soluble | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Soluble | 5230 | | UG/L | 5000 |
| | | Magnesium, Soluble | 10500 | | UG/L | 5000 |
| | | Manganese, Soluble | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Soluble | 24000 | | UG/L | 5000 |
| | | Nickel, Soluble | 40.0 | u | UG/L | 40.0 |
| | | Lead, Soluble | 4.4 | | UG/L | 3.0 |
| | | Antimony, Soluble | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Tin, Soluble | 100 | u | UG/L | 100 |
| | | Strontium, Soluble | 172 | | UG/L | 100 |
| | | Thallium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Soluble | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1342

0000029

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9103L815

WORK ORDER: 6168-02-01-0000

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -003 | B00F47 | Silver, Total | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Total | 200 | u | UG/L | 200 |
| | | Arsenic, Total | 10.0 | u | UG/L | 10.0 |
| | | Barium, Total | 200 | u | UG/L | 200 |
| | | Beryllium, Total | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Total | 150 | uJ | UG/L | 150 |
| | | Calcium, Total | 31300 | | UG/L | 5000 |
| | | Cadmium, Total | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Total | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Total | 30.3 | | UG/L | 10.0 |
| | | Copper, Total | 25.0 | u | UG/L | 25.0 |
| | | Iron, Total | 144 | | UG/L | 100 |
| | | Mercury, Total | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Total | 5000 | u | UG/L | 5000 |
| | | Magnesium, Total | 9730 | | UG/L | 5000 |
| | | Manganese, Total | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Total | 18200 | | UG/L | 5000 |
| | | Nickel, Total | 40.0 | u | UG/L | 40.0 |
| | | Lead, Total | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Total | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Total | 5.0 | u | UG/L | 5.0 |
| | | Tin, Total | 100 | u | UG/L | 100 |
| | | Strontium, Total | 163 | | UG/L | 100 |
| | | Thallium, Total | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Total | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Total | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1343

0000030

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/22/91

CLIENT: WESTINGHOUSE HANFORD
WORK ORDER: 6168-02-01-0000

WESTON BATCH #: 9103L815

| SAMPLE | SITE ID | ANALYTE | RESULT | | UNITS | REPORTING LIMIT |
|---|---|---|---|---|---|---|
| -004 | B00F48 | Silver, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Aluminum, Soluble | 200 | u | UG/L | 200 |
| | | Arsenic, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Barium, Soluble | 200 | u | UG/L | 200 |
| | | Beryllium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Bismuth, Soluble | 150 | uJ | UG/L | 150 |
| | | Calcium, Soluble | 30300 | | UG/L | 5000 |
| | | Cadmium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Cobalt, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Chromium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Copper, Soluble | 25.0 | u | UG/L | 25.0 |
| | | Iron, Soluble | 100 | u | UG/L | 100 |
| | | Mercury, Soluble | 0.20 | u | UG/L | 0.20 |
| | | Potassium, Soluble | 5450 | | UG/L | 5000 |
| | | Magnesium, Soluble | 9360 | | UG/L | 5000 |
| | | Manganese, Soluble | 15.0 | u | UG/L | 15.0 |
| | | Sodium, Soluble | 17100 | | UG/L | 5000 |
| | | Nickel, Soluble | 40.0 | u | UG/L | 40.0 |
| | | Lead, Soluble | 3.0 | u | UG/L | 3.0 |
| | | Antimony, Soluble | 60.0 | u | UG/L | 60.0 |
| | | Selenium, Soluble | 5.0 | u | UG/L | 5.0 |
| | | Tin, Soluble | 100 | u | UG/L | 100 |
| | | Strontium, Soluble | 158 | | UG/L | 100 |
| | | Thallium, Soluble | 10.0 | u | UG/L | 10.0 |
| | | Vanadium, Soluble | 50.0 | u | UG/L | 50.0 |
| | | Zinc, Soluble | 20.0 | u | UG/L | 20.0 |

11/9/91

9713512.1544

# OSM INORGANIC DATA ASSESSMENT

DATE 10/9/91

REVIEWED BY JA Lerch

LABORATORY Weston

~~CASE~~ RFW # 91031L787 also includes 91031L813

SDG # N/A

SAMPLES/MATRIX B00F12 B00F32 B00F28 B00F43
B00F13 B00F09 B00F29
B00F34 B00F10 B00F44
B00F35 B00F19 B00F45
B00F31 B00F20 B00F47
all water

## DATA ASSESSMENT SUMMARY

| | ICP | AA | Hg | CN |
|---|---|---|---|---|
| 1. Calibrations (Form II) | O | O | O | O |
| 2. Blanks (III) | X | O | O | O |
| 3. ICS (IV) | X | | | |
| 4. Matrix Spike (V) | O | X | O | O |
| 5. Duplicate Analysis (VI) | O | O | O | O |
| 6. LCS (VII) | O | O | | O |
| 7. Serial Dilution (IX) | O | | | |
| 8. GFAA | | X | | |
| 9. Holding Times (XIV) | O | O | O | O |
| 10. Other QC none | | | | |

O = data had no problems
X = data qualified due to minor problems
M = data qualified due to major problems/some data may be unusable

OVERALL ASSESSSMENT: no major problems - all results acceptable w/attached qualifiers

NOTES: none

o Refer to the corresponding attachments for explanation of any problems.

9715512.1345

INORGANIC QC - Calibrations

Name JA Lerch JL Date 10/9/91

COMMENTS: -all ICV + CCV recoveries within control limits
-analytical sequence reqs. met
- Hg, CN correlation coefficients ok

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

INORGANIC QC - Blanks

Name JA Lerch Date 10/9/91

COMMENTS: Sb, Na, V, Mg detected at levels below CRDL in blanks

ACTION: qualify associated results as per OSM guidelines

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|
| all | V | U | | | |
| B00F12 | Sb | U | | | |
| B00F34 | | | | | |
| B00F19 | | | | | |
| B00F29 | | | | | |
| B00F47 | | | | | |

INORGANIC QC - ICS

Name JA Lerch Date 10/9/91

COMMENTS: - all ICS solution recoveries within limits
- false positives may exist for Sb, Mn.
- false negatives may exist for K, Na

ACTION: qualify associated results as per OSM guidelines

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|
| all | Mn | J | | | |
| - with the following exception | | | | | |
| B00F45 | Mn | acceptable | | | |

INORGANIC QC - Matrix Spike

Name JA Lerch Date 10/9/91

COMMENTS: B00F12 – Hg recovery within limits
B00F28 – CN recovery within limits
B00F48 – all ICP recoveries ok; As recovery low, all other GFAA recoveries within limits

ACTION: qualify associated results as per OSM guidelines

| sample # | constituent | value/qual |
|---|---|---|
| all | As | J |
| – with the following exception | | |
| B00F12 | As | UJ |
| B00F13 | As | UJ |

| sample # | constituent | value/qual |
|---|---|---|

9713512.1349

INORGANIC QC - Duplicate Analysis

Name JA Lerch Date 10/9/91

COMMENTS: B00F12 - Hg duplicate RPD N/A

B00F28 - CN dup. RPD N/A

B00F48 - all ICP + GFAA duplicate RPD's within limits where applicable

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9713512.1350

INORGANIC QC - LCS

Name JA Lerch Date 10/9/91

COMMENTS: all Aqueous LCS recoveries within limits (Sb has no limits) solid LCS N/A

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

# INORGANIC QC - Serial Dilution

Name JA Lerch Date 10/9/91

COMMENTS: B00F48 - all serial dilution results within applicable limits

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

# INORGANIC QC - Holding Times

Name JA Lerch Date 10/9/91

COMMENTS: all Holding times met

ACTION: none

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9713512.1353

INORGANIC QC - GFAA

Name JA Lerch Date 10/9/91

COMMENTS: MSA performed for Se on several samples; all correlation coefficients > .995
-all sequence reqs met; some analytical spikes outside limits for As, Pb, Se, Tl (see below)

ACTION: qualify associated results as per QSM guidelines

| sample # | constituent | value/qual |
|---|---|---|
| B00F12 | Pb | UJ |
| | Se | J |
| | Tl | UJ |
| B00F13 | Pb | UJ |
| | Se | J |
| | Tl | UJ |
| B00F34 | As | J |
| | Pb | UJ |
| | Tl | UJ |
| B00F35 | As | J |
| | Pb | UJ |
| | Tl | UJ |
| B00F31 | As | J |
| | Pb | UJ |
| | Tl | UJ |
| B00F32 | As | J |
| | Pb | UJ |
| | Tl | UJ |
| B00F09 | As | J |
| | Pb | UJ |
| | Se | J |
| | Tl | UJ |
| B00F10 | As | J |
| | Pb | UJ |
| | Se | J |
| | Tl | UJ |
| B00F19 | As | J |
| | Pb | UJ |
| | Se | J |
| | Tl | UJ |

| sample # | constituent | value/qual |
|---|---|---|
| B00F20 | As | J |
| | Pb | UJ |
| | Se | J |
| | Tl | UJ |
| B00F28 | As | J |
| | Pb | UJ |
| | Se | J |
| | Tl | UJ |
| B00F29 | As | J |
| | Pb | UJ |
| | Se | J |
| | Tl | UJ |
| B00F44 | Pb | UJ |
| | Se | UJ |
| | Tl | UJ |
| B00F45 | Pb | J |
| | Tl | UJ |
| B00F47 | Se | UJ |
| | Tl | UJ |
| B00F48 | Pb | UJ |
| | Se | UJ |
| | Tl | UJ |

9713512.1354

INORGANIC QC - other

Name JA Lerch Date 10/9/91

COMMENTS: none

ACTION:

| sample # | constituent | value/qual | sample # | constituent | value/qual |
|---|---|---|---|---|---|

9215512.1355

U.S. EPA - CLP 0000039

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF12

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787001

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 102 | B | | P |
| 7440-36-0 | Antimony | 21.7 | B | U | P |
| 7440-38-2 | Arsenic | 2.00 | U | | F |
| 7440-39-3 | Barium | 87.5 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31800 | | | P |
| 7440-47-3 | Chromium | 80.3 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1900 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W UJ | F |
| 7439-95-4 | Magnesium | 10200 | | | P |
| 7439-96-5 | Manganese | 33.1 | J | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 40.5 | | | P |
| 7440-09-7 | Potassium | 5610 | | | P |
| 7782-49-2 | Selenium | 1.20 | B | W J | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 11900 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W UJ | F |
| 7440-62-2 | Vanadium | 20.0 | B | U | P |
| 7440-66-6 | Zinc | 11.6 | B | | P |
| | Cyanide | 5.00 | U | | C |

JJ 10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF13

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787002

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 110 | B | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 2.00 | UJ | | F |
| 7440-39-3 | Barium | 81.6 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 30500 | | | P |
| 7440-47-3 | Chromium | 20.8 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1180 | | | P |
| 7439-92-1 | Lead | 2.00 | ~~U~~ | W UJ | F |
| 7439-95-4 | Magnesium | 9740 | | | P |
| 7439-96-5 | Manganese | 20.2 | J | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 16.2 | B | | P |
| 7440-09-7 | Potassium | 5890 | | | P |
| 7782-49-2 | Selenium | 1.00 | J | W | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 11200 | | | P |
| 7440-28-0 | Thallium | 5.00 | ~~U~~ | W UJ | F |
| 7440-62-2 | Vanadium | 19.8 | ~~B~~ | U | P |
| 7440-66-6 | Zinc | 8.20 | B | | P |
| | Cyanide | | | | |
| | | | | | |

JJ 10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1357

0000041

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF34

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787003

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 28.2 | B | U | P |
| 7440-38-2 | Arsenic | 5.00 | B | W J | F |
| 7440-39-3 | Barium | 28.1 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 52000 | | | P |
| 7440-47-3 | Chromium | 104 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 462 | | | P |
| 7439-92-1 | Lead | 2.00 | B | W UJ | F |
| 7439-95-4 | Magnesium | 15400 | | | P |
| 7439-96-5 | Manganese | 12.4 | B | J | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 75.1 | | | P |
| 7440-09-7 | Potassium | 7480 | | | P |
| 7782-49-2 | Selenium | 5.00 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 31300 | | | P |
| 7440-28-0 | Thallium | 5.00 | B | W UJ | F |
| 7440-62-2 | Vanadium | 34.0 | B | U | P |
| 7440-66-6 | Zinc | 5.00 | B | | P |
| | Cyanide | 5.00 | U | | C |

JJ 10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF35

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787004

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 5.10 | ~~B~~ | W J | F |
| 7440-39-3 | Barium | 28.5 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 53600 | | | P |
| 7440-47-3 | Chromium | 5.10 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 83.2 | B | | P |
| 7439-92-1 | Lead | 2.00 | ~~U~~ | W UJ | F |
| 7439-95-4 | Magnesium | 15800 | | | P |
| 7439-96-5 | Manganese | 5.40 | ~~B~~ | J | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 27.6 | B | | P |
| 7440-09-7 | Potassium | 8120 | | | P |
| 7782-49-2 | Selenium | 7.30 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 32300 | | | P |
| 7440-28-0 | Thallium | 5.00 | ~~U~~ | W UJ | F |
| 7440-62-2 | Vanadium | 34.2 | ~~B~~ | U | P |
| 7440-66-6 | Zinc | 6.00 | B | | P |
| | Cyanide | | | | |
| | | | | | |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9713512.1359

0000043

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF31

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787005

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 5.50 | B | W J | F |
| 7440-39-3 | Barium | 32.9 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 46400 | | | P |
| 7440-47-3 | Chromium | 98.7 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 503 | | | P |
| 7439-92-1 | Lead | 2.00 | B | W UJ | F |
| 7439-95-4 | Magnesium | 13400 | | | P |
| 7439-96-5 | Manganese | 10.2 | B | J | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 53.6 | | | P |
| 7440-09-7 | Potassium | 6860 | | | P |
| 7782-49-2 | Selenium | 5.80 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 25600 | | | P |
| 7440-28-0 | Thallium | 5.00 | B | W UJ | F |
| 7440-62-2 | Vanadium | 35.1 | B | U | P |
| 7440-66-6 | Zinc | 19.4 | B | | P |
| | Cyanide | 5.00 | U | | C |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1360

0000044

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF32

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787006

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 5.30 | ~~B~~ | W J | F |
| 7440-39-3 | Barium | 33.9 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 49000 | | | P |
| 7440-47-3 | Chromium | 7.00 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 46.2 | B | | P |
| 7439-92-1 | Lead | 2.00 | ~~U~~ | W UJ | F |
| 7439-95-4 | Magnesium | 14100 | | | P |
| 7439-96-5 | Manganese | 2.40 | ~~B~~ | J | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 10.7 | B | | P |
| 7440-09-7 | Potassium | 7840 | | | P |
| 7782-49-2 | Selenium | 5.00 | | S | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 26900 | | | P |
| 7440-28-0 | Thallium | 5.00 | ~~U~~ | W UJ | F |
| 7440-62-2 | Vanadium | 34.8 | ~~B~~ | U | P |
| 7440-66-6 | Zinc | 3.30 | B | | P |
| | Cyanide | | | | |
| | | | | | |

JJ 10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1361

0000045

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF09

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787008

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 6.10 | B | W J | F |
| 7440-39-3 | Barium | 36.0 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 58200 | | | P |
| 7440-47-3 | Chromium | 112 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.40 | B | | P |
| 7439-89-6 | Iron | 729 | | | P |
| 7439-92-1 | Lead | 2.00 | U | W UJ | F |
| 7439-95-4 | Magnesium | 16800 | | | P |
| 7439-96-5 | Manganese | 26.3 | J | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 55.0 | | | P |
| 7440-09-7 | Potassium | 8870 | | | P |
| 7782-49-2 | Selenium | 2.40 | B | W J | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 38100 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W UJ | F |
| 7440-62-2 | Vanadium | 33.5 | B | U | P |
| 7440-66-6 | Zinc | 4.40 | B | | P |
| | Cyanide | 33.2 | U | | C |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1362

0000046

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF10

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787009

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 5.90 | B | W J | F |
| 7440-39-3 | Barium | 35.2 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 59600 | | | P |
| 7440-47-3 | Chromium | 3.50 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 115 | | | P |
| 7439-92-1 | Lead | 2.00 | B | W UJ | F |
| 7439-95-4 | Magnesium | 17200 | | | P |
| 7439-96-5 | Manganese | 14.5 | B | J | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 9580 | | | P |
| 7782-49-2 | Selenium | 2.90 | B | W J | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 39200 | | | P |
| 7440-28-0 | Thallium | 5.00 | B | W UJ | F |
| 7440-62-2 | Vanadium | 32.0 | B | U | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |
| | | | | | |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF19

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787010

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.6 | ~~B~~ | U | P |
| 7440-38-2 | Arsenic | 2.70 | ~~B~~ | W J | F |
| 7440-39-3 | Barium | 64.8 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 57400 | | | P |
| 7440-47-3 | Chromium | 86.1 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 1380 | | | P |
| 7439-92-1 | Lead | 2.00 | ~~U~~ | W UJ | F |
| 7439-95-4 | Magnesium | 16800 | | | P |
| 7439-96-5 | Manganese | 13.0 | ~~B~~ | J | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 48.2 | | | P |
| 7440-09-7 | Potassium | 7050 | | | P |
| 7782-49-2 | Selenium | 2.00 | ~~B~~ | W J | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 24000 | | | P |
| 7440-28-0 | Thallium | 5.00 | ~~U~~ | W UJ | F |
| 7440-62-2 | Vanadium | 27.8 | ~~B~~ | U | P |
| 7440-66-6 | Zinc | 3.60 | B | | P |
| | Cyanide | 5.00 | U | | C |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9713512.1364

0000048

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF20

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787011

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 2.70 | B | W J | F |
| 7440-39-3 | Barium | 61.4 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 55900 | | | P |
| 7440-47-3 | Chromium | 3.00 | U | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 66.7 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W UJ | F |
| 7439-95-4 | Magnesium | 16400 | | | P |
| 7439-96-5 | Manganese | 4.60 | B | J | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 6580 | | | P |
| 7782-49-2 | Selenium | 2.70 | B | W J | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 23500 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W UJ | F |
| 7440-62-2 | Vanadium | 24.1 | B | U | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |
| | | | | | |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1365

9713512.1366

0000049

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF28

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787013

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 2.90 | ~~B~~ | W J | F |
| 7440-39-3 | Barium | 23.1 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 50500 | | | P |
| 7440-47-3 | Chromium | 67.3 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.90 | B | | P |
| 7439-89-6 | Iron | 1440 | | | P |
| 7439-92-1 | Lead | 2.00 | ~~U~~ | W UJ | F |
| 7439-95-4 | Magnesium | 14700 | | | P |
| 7439-96-5 | Manganese | 37.8 | J | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 39.8 | B | | P |
| 7440-09-7 | Potassium | 7710 | | | P |
| 7782-49-2 | Selenium | 1.90 | ~~B~~ | W J | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 27000 | | | P |
| 7440-28-0 | Thallium | 5.00 | ~~U~~ | W UJ | F |
| 7440-62-2 | Vanadium | 25.3 | ~~B~~ | U | P |
| 7440-66-6 | Zinc | 3.40 | B | | P |
| | Cyanide | 5.00 | U | | C |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1367

0000050

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOF29

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103787014

Level (low/med): LOW Date Received:03/02/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 20.1 | B | W | P |
| 7440-38-2 | Arsenic | 3.00 | B | W J | F |
| 7440-39-3 | Barium | 22.5 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 48700 | | | P |
| 7440-47-3 | Chromium | 3.00 | U | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 90.5 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W UJ | F |
| 7439-95-4 | Magnesium | 14200 | | | P |
| 7439-96-5 | Manganese | 19.8 | J | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 7330 | | | P |
| 7782-49-2 | Selenium | 2.30 | B | W J | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 25900 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W UJ | F |
| 7440-62-2 | Vanadium | 24.5 | B | U | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |
| | | | | | |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1368

0000051

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F44

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103815001

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 4.90 | B | J | F |
| 7440-39-3 | Barium | 26.9 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31300 | | | P |
| 7440-47-3 | Chromium | 56.0 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 231 | | | P |
| 7439-92-1 | Lead | 2.00 | B | W UJ | F |
| 7439-95-4 | Magnesium | 10100 | | | P |
| 7439-96-5 | Manganese | 5.80 | B | J | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 33.8 | B | | P |
| 7440-09-7 | Potassium | 5570 | | | P |
| 7782-49-2 | Selenium | 1.00 | B | W UJ | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 23000 | | | P |
| 7440-28-0 | Thallium | 5.00 | B | W UJ | F |
| 7440-62-2 | Vanadium | 33.7 | B | U | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | 5.00 | U | | C |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1369

0000052

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F45

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103815002

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 4.80 | ~~B~~ | J | F |
| 7440-39-3 | Barium | 28.7 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 32700 | | | P |
| 7440-47-3 | Chromium | 5.00 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 37.0 | U | | P |
| 7439-92-1 | Lead | 4.40 | ~~J~~ | W | F |
| 7439-95-4 | Magnesium | 10500 | | | P |
| 7439-96-5 | Manganese | 2.00 | U | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 5230 | | | P |
| 7782-49-2 | Selenium | 1.00 | | | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 24000 | | | P |
| 7440-28-0 | Thallium | 5.00 | ~~U~~ | W UJ | F |
| 7440-62-2 | Vanadium | 33.8 | ~~B~~ | U | P |
| 7440-66-6 | Zinc | 6.30 | B | | P |
| | Cyanide | | | | |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1370

0000053

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F47

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103815003

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 22.4 | B | U | P |
| 7440-38-2 | Arsenic | 5.80 | B | J | F |
| 7440-39-3 | Barium | 38.5 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 31300 | | | P |
| 7440-47-3 | Chromium | 30.3 | | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 144 | | | P |
| 7439-92-1 | Lead | 2.00 | U | | F |
| 7439-95-4 | Magnesium | 9730 | | | P |
| 7439-96-5 | Manganese | 3.50 | B | J | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 15.2 | B | | P |
| 7440-09-7 | Potassium | 4930 | B | | P |
| 7782-49-2 | Selenium | 1.00 | B | W UJ | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 18200 | | | P |
| 7440-28-0 | Thallium | 5.00 | B | W UJ | F |
| 7440-62-2 | Vanadium | 35.4 | B | U | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | 5.00 | U | | C |

10/9/97

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

9713512.1371

0000054

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00F48

Lab Name:Roy F. Weston, Inc. Contract:6168-02-01

Lab Code:WESTON Case No:WEST SAS No.: SDG No.:CLP787

Matrix (soil/water):WATER Lab Sample ID:9103815004

Level (low/med): LOW Date Received:03/06/91

% Solids:

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 77.0 | U | | P |
| 7440-36-0 | Antimony | 19.0 | U | | P |
| 7440-38-2 | Arsenic | 6.30 | B | N J | F |
| 7440-39-3 | Barium | 37.8 | B | | P |
| 7440-41-7 | Beryllium | 1.00 | U | | P |
| 7440-43-9 | Cadmium | 4.00 | U | | P |
| 7440-70-2 | Calcium | 30300 | | | P |
| 7440-47-3 | Chromium | 4.50 | B | | P |
| 7440-48-4 | Cobalt | 4.00 | U | | P |
| 7440-50-8 | Copper | 7.00 | U | | P |
| 7439-89-6 | Iron | 49.7 | B | | P |
| 7439-92-1 | Lead | 2.00 | U | W UJ | F |
| 7439-95-4 | Magnesium | 9360 | | | P |
| 7439-96-5 | Manganese | 2.00 | U | | P |
| 7439-97-6 | Mercury | 0.200 | U | | CV |
| 7440-02-0 | Nickel | 7.00 | U | | P |
| 7440-09-7 | Potassium | 5450 | | | P |
| 7782-49-2 | Selenium | 1.00 | U | W UJ | F |
| 7440-22-4 | Silver | 4.00 | U | | P |
| 7440-23-5 | Sodium | 17100 | | | P |
| 7440-28-0 | Thallium | 5.00 | U | W UJ | F |
| 7440-62-2 | Vanadium | 35.0 | B | U | P |
| 7440-66-6 | Zinc | 3.00 | U | | P |
| | Cyanide | | | | |

10/9/91

Color Before:COLORLESS Clarity Before:CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN