WESTON Analytics Use Only
9103L869

Custody Transfer Record/Lab Work Request

WESTON
Page 1 of 15

Client: WESTINGHOUSE HANFORD
Est. Final Proj. Sampling Date:
Work Order #: 16118-00-01-0000
Project Contact/Phone #:
AD Project Manager: P Beaty / Doug King
QC: CLP Del: CPL TAT: 30 day
Date Rec'd: 3/8/91 Date Due: 4/12/91
Account #: WS-Hanford

Refrigerator #		1	5	5		3								
#/Type Container	Liquid	2/6	16	16		1P	1P	—	1G	1PL				
	Solid													
Volume	Liquid													
	Solid	40	1L	1L		1L	1L	—	250	1L				
Preservatives									Acid	NaOH		Acid		

ANALYSES REQUESTED

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓)	Matrix	Date Collected	ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	ORGANIC Herb	Radionuclides	Total Organics	Tritium	TOC	INORG Metal	INORG CN	Anions	Inorganics (1)	Inorganics (2)
						8240 H	8250 H	8080 H		ISUB	ISUB	ISUB	ISUB	TDT #1 / Soil	ICNTD	See Below	See Below	See Below
SB - Soil	001	B00 F50		W	3/5/91	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
SE - Sediment	002	B00 F51												✓				
SO - Solid	003	F60			3/6/91	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓
SL - Sludge	004	F61												✓				
W - Water	005	F F5				✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
O - Oil	006	F F6												✓				
A - Air	007	FD4				✓												
DS - Drum Solids	008	F63				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DL - Drum Liquids	009	F64												✓				
L - EP/TCLP Leachate																		
WI - Wipe																		
X - Other																		
F - Fish																		

Special Instructions: + Part = Gross Alpha, Beta, Radium 226, 228 - 905.0, 903.1, 904.0 PO-238, PO-239/240
(1) Metals - Hsl + Bi, Sn, Sr
(2) Anions = ICCL, ICFL, ICSO4, ICPO4, ICNO3, ICNO2
(1) Inorganics (1) pH, Cond, Alk, TDS, ICSO4
(2) Inorganics (2) Hard, Chlor, NO3, NO2

DATE/REVISIONS:
1
2
3
4
5
6

Original Rewritten

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
Emery	Pelli	3/8/91	11:00am 1:30				

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

PH, Cond, ICSO4, ICNO3

DEC 1996 RECEIVED OTD ELDMC

START 9713512.1688

0046096

9103L869-WPS-0262

1A 9713512.1689

VOLATILE ORGANICS ANALYSIS SHEET

0000019

CLIENT SAMPLE NO.

BOOF50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

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

Lab File ID: AK3E16

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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	6	B
67-64-1	Acetone	12	B
75-15-0	Carbon Disulfide	5	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

9213512.1690

CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 000002

B00F50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

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

Lab File ID: AK3E16

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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.				

9745512.1691

VOLATILE ORGANICS ANALYSIS SHEET 0000026

CLIENT SAMPLE NO.

BOOF60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L869-003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: AK3E17

Level: (low/med) LOW Date Received: 03/08/91

% Moisture: not dec. _____ Date Analyzed: 03/14/91

Column: (pack/cap) CAP 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	6	B
67-64-1	Acetone	8	JB
75-15-0	Carbon Disulfide	5	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

9713512.1692

0000027

CLIENT SAMPLE NO.

BOOF60

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: 9103L869-003

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

Lab File ID: AK3E17

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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.				

9213512.1695

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

0000033

BOOFF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-005

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

Lab File ID: AK3E18

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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	6	B
67-64-1	Acetone	12	B
75-15-0	Carbon Disulfide	5	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

9713512.1694

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

CLIENT SAMPLE NO.

BOOFF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-005

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

Lab File ID: AK3E18

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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.

9746512.1695

VOLATILE ORGANICS ANALYSIS SHEET

0000040

CLIENT SAMPLE NO.

BOOFD4

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-007

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

Lab File ID: AK3E19

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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	10	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	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	2	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

9713512.1696

CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 000004

BOOFD4

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-007

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

Lab File ID: AK3E19

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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.				

9213512.1697

VOLATILE ORGANICS ANALYSIS SHEET 0000047

CLIENT SAMPLE NO.

BOOF63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91G3L869-008

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

Lab File ID: AK3E20

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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	6	B
67-64-1	Acetone	15	B
75-15-0	Carbon Disulfide	5	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

9163512.1698

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0000048

CLIENT SAMPLE NO.

BOOF63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-008

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

Lab File ID: AK3E20

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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.				

9213512.1699

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

0000095

VBLK

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LVK048-MB1

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

Lab File ID: AK3E03

Level: (low/med) LOW

Date Received: 03/14/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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	
67-64-1	Acetone	11	
75-15-0	Carbon Disulfide	5	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

9713512.1700

IE

CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0000096

VBLK

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LVK048-MB1

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

Lab File ID: AK3E03

Level: (low/med) LOW

Date Received: 03/14/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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.				

9213512.1701

VOLATILE ORGANICS ANALYSIS SHEET

0000102

CLIENT SAMPLE NO.

VBLK

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LVK049-MB1

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

Lab File ID: AK3F03

Level: (low/med) LOW

Date Received: 03/15/91

% Moisture: not dec. _____

Date Analyzed: 03/15/91

Column: (pack/cap) CAP

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	12	
75-15-0	Carbon Disulfide	5	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

9213512.1702

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000103

CLIENT SAMPLE NO.

VBLK

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LVK049-MB1

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

Lab File ID: AK3F03

Level: (low/med) LOW

Date Received: 03/15/91

% Moisture: not dec. _____

Date Analyzed: 03/15/91

Column: (pack/cap) CAP

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.				

9213512.1703

1A

VOLATILE ORGANICS ANALYSIS SHEET

0000109

CLIENT SAMPLE NO.

BOOF50MS

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001 MS

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

Lab File ID: AK3F06

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/15/91

Column: (pack/cap) CAP

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	4	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene		S
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		S
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene		S
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		S
108-90-7	Chlorobenzene		S
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

S: SPIKE COMPOUND

FORM 1 V-1

12/88 Rev.

9113512.1704

VOLATILE ORGANICS ANALYSIS SHEET 0000113

CLIENT SAMPLE NO.

B00F50MSD

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001 MSD

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

Lab File ID: AK3F07

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/15/91

Column: (pack/cap) CAP

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	6	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene		S
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		S
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene		S
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		S
108-90-7	Chlorobenzene		S
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

S: SPIKE COMPOUND

FORM 1 V-1

12/88 Rev.

9113512.1705

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000022

CLIENT SAMPLE NO.

B00F50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040710

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

9713512.1706

IC

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000023

CLIENT SAMPLE NO.

B00F50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040710

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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)	1	J
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	17	B
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

9713512.1707

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0000024

CLIENT SAMPLE NO.

BOOF50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040710

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

Dilution Factor: 1.00

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.42	10	J
2.	UNKNOWN	12.37	5	J
3.	UNKNOWN	25.13	200	JB
4.	UNKNOWN	25.37	5	J
5.	UNKNOWN	28.08	5	J
6.	UNKNOWN	30.70	7	J
7.	UNKNOWN	34.05	9	J
8.	UNKNOWN	38.63	6	J

9113512.1708

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000046

CLIENT SAMPLE NO.

B00F60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040711

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

9213512.1709

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000047

CLIENT SAMPLE NO.

B00F60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040711

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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	6	JB
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

9213512.1710

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000048

CLIENT SAMPLE NO.

BOOF60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040711

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

Dilution Factor: 1.00

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.42	10	J
2.	UNKNOWN	12.35	5	J
3.	UNKNOWN	13.67	5	J
4.	UNKNOWN	21.97	6	J
5.	HYDROCARBON	22.83	6	J
6.	UNKNOWN	23.02	10	J
7.	UNKNOWN	25.13	600	JB
8.	UNKNOWN	25.35	20	J
9.	UNKNOWN	25.62	10	J
10.	HYDROCARBON	25.78	10	J
11.	UNKNOWN	26.03	7	J
12.	HYDROCARBON	27.28	10	J
13.	UNKNOWN	28.08	7	J
14.	UNKNOWN	30.68	4	J

9213512.1711

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000074

CLIENT SAMPLE NO.

BOOFF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-005

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040713

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

9713512.1712

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000075

CLIENT SAMPLE NO.

BOOFF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-005

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040713

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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)	1	J
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	5	JB
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

9713512.1713

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000076

CLIENT SAMPLE NO.

BOOFF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-005

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040713

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

Dilution Factor: 1.00

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.40	10	J
2.	UNKNOWN	13.65	5	J
3.	UNKNOWN	21.95	10	J
4.	HYDROCARBON	22.82	10	J
5.	UNKNOWN	23.00	20	J
6.	UNKNOWN	25.13	900	JB
7.	UNKNOWN	25.33	20	J
8.	UNKNOWN	25.62	20	J
9.	UNKNOWN	25.78	20	J
10.	UNKNOWN	26.02	10	J
11.	UNKNOWN	27.27	20	J
12.	UNKNOWN	28.07	10	J
13.	UNKNOWN	28.33	10	J
14.	UNKNOWN	30.68	10	J
15.	UNKNOWN	30.98	10	J

9213512.1714

IB

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000105

CLIENT SAMPLE NO.

B00F63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040805

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/08/91

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

9103512.1715

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000106

CLIENT SAMPLE NO.

B00F63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040805

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/08/91

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)	1	J
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	9	JB
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

9113512.1716

0000107

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B00F63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040805

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/08/91

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

Dilution Factor: 1.00

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.43	5	J
2.	UNKNOWN	21.95	4	J
3.	UNKNOWN	23.00	7	J
4.	UNKNOWN	25.12	400	JB
5.	UNKNOWN	25.33	9	J
6.	HYDROCARBON	25.78	4	J
7.	UNKNOWN	26.02	3	J
8.	HYDROCARBON	27.27	6	J

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000296

CLIENT SAMPLE NO.

SBLK

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LE0336-MB1

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

Lab File ID: J041110

Level: (low/med) LOW

Date Received: 03/12/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/11/91

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

9163512.1718

SEMIVOLATILE ORGANICS ANALYSIS SHEET

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: 91LE0336-MB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: J041110

Level: (low/med) LOW Date Received: 03/12/91

% Moisture: not dec. _____ dec. Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/11/91

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	2	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	5	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

9713512.1719

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000298

CLIENT SAMPLE NO.

SBLK

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LE0336-MB1

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

Lab File ID: J041110

Level: (low/med) LOW

Date Received: 03/12/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/11/91

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.	CYCLOHEXENONE	6.60	4	J
2.	UNKNOWN	7.02	9	J
3.	HYDROCARBON	20.98	200	J
4.	UNKNOWN	21.10	8	J

9713512.1720

18

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: 91LE0336-MB1 BS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S041512

Level: (low/med) LOW Date Received: 03/12/91

% Moisture: not dec. _____ dec. Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/15/91

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	2	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		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

9713512.1721

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000315

CLIENT SAMPLE NO.

SBLKMS

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LE0336-MB1 BS

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

Lab File ID: S041512

Level: (low/med) LOW

Date Received: 03/12/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/15/91

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	2	JB
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	7	JB
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

9713512.1722

1B

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: 91LE0336-MB1 BSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S041514

Level: (low/med) LOW Date Received: 03/12/91

% Moisture: not dec. _____ dec. Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/15/91

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

9113512.1723

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000323

CLIENT SAMPLE NO.

SBLKMSD

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LE0336-MB1 BSD

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

Lab File ID: S041514

Level: (low/med) LOW

Date Received: 03/12/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/15/91

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	4	JB
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	8	JB
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.

9713512.1724

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000330

CLIENT SAMPLE NO.

B00F60MS

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003 MS

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040712

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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.

9713512.1725

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000331

CLIENT SAMPLE NO.

B00F60MS

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003 MS

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040712

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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)	1	J
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	3	JB
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	B
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

9713512.1726

0000014

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BOOF50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

Sample wt/vol: 960 (g/mL) ML

Lab File ID: 04179103.27

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/11/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/18/91

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	0.052	U
319-85-7	Beta-BHC	0.052	U
319-86-8	Delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	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	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

BB 6/25/91

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BOOF60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003

Sample wt/vol: 930 (g/mL) ML

Lab File ID: 04179103.28

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/11/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/18/91

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	0.054	U
319-85-7	Beta-BHC	0.054	U
319-86-8	Delta-BHC	0.054	U
58-89-9	gamma-BHC (Lindane)	0.054	U
76-44-8	Heptachlor	0.054	U
309-00-2	Aldrin	0.054	U
1024-57-3	Heptachlor epoxide	0.054	U
959-98-8	Endosulfan I	0.054	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.54	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.54	U
5103-74-2	gamma-Chlordane	0.54	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.54	U
11104-28-2	Aroclor-1221	0.54	U
11141-16-5	Aroclor-1232	0.54	U
53469-21-9	Aroclor-1242	0.54	U
12672-29-6	Aroclor-1248	0.54	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

JBB 6/25/91

9213512 1728

000002 CLIENT SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS SHEET

BOOFF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L869-005

Sample wt/vol: 940 (g/mL) ML Lab File ID: 04179103.29

Level: (low/med) LOW Date Received: 03/08/91

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

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/18/91

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	0.053	U
319-85-7	Beta-BHC	0.053	U
319-86-8	Delta-BHC	0.053	U
58-89-9	gamma-BHC (Lindane)	0.053	U
76-44-8	Heptachlor	0.053	U
309-00-2	Aldrin	0.053	U
1024-57-3	Heptachlor epoxide	0.053	U
959-98-8	Endosulfan I	0.053	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.53	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.53	U
5103-74-2	gamma-Chlordane	0.53	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.53	U
11104-28-2	Aroclor-1221	0.53	U
11141-16-5	Aroclor-1232	0.53	U
53469-21-9	Aroclor-1242	0.53	U
12672-29-6	Aroclor-1248	0.53	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

Bob 6/25/91

9713512.1729

1D

0000029

CLIENT SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS SHEET

BOOF63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-008

Sample wt/vol: 890 (g/mL) ML

Lab File ID: 04179103.30

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/11/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/18/91

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	0.056	U
319-85-7	Beta-BHC	0.056	U
319-86-8	Delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
76-44-8	Heptachlor	0.056	U
309-00-2	Aldrin	0.056	U
1024-57-3	Heptachlor epoxide	0.056	U
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.56	U
5103-74-2	gamma-Chlordane	0.56	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.56	U
11104-28-2	Aroclor-1221	0.56	U
11141-16-5	Aroclor-1232	0.56	U
53469-21-9	Aroclor-1242	0.56	U
12672-29-6	Aroclor-1248	0.56	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

JKB 6/25/91

9713512.1730 0000130

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

PBLK

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 91LE0329-MB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 04179103.36

Level: (low/med) LOW Date Received: 03/11/91

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

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/18/91

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

JEB 4/25/91

9713512.1731

0000146

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

PBLKMSD

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LE0329-MB1 BSD

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

Lab File ID: 04179103.38

Level: (low/med) LOW

Date Received: 03/11/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/11/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/18/91

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

Dilution Factor: 2.00

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

CAS NO.	COMPOUND		
319-84-6	Alpha-BHC	0.10	U
319-85-7	Beta-BHC	0.10	U
319-86-8	Delta-BHC	0.10	U
58-89-9	gamma-BHC (Lindane)		S
76-44-8	Heptachlor		S
309-00-2	Aldrin		S
1024-57-3	Heptachlor epoxide	0.10	U
959-98-8	Endosulfan I	0.10	U
60-57-1	Dieldrin		S
72-55-9	4,4'-DDE	0.20	U
72-20-8	Endrin		S
33213-65-9	Endosulfan II	0.20	U
72-54-8	4,4'-DDD	0.20	U
1031-07-8	Endosulfan sulfate	0.20	U
50-29-3	4,4'-DDT		S
72-43-5	Methoxychlor	1.0	U
53494-70-5	Endrin ketone	0.20	U
5103-71-9	alpha-Chlordane	1.0	U
5103-74-2	gamma-Chlordane	1.0	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	2.0	U
11096-82-5	Aroclor-1260	2.0	U

6/25/91

S: SPIKE COMPOUND

FORM 1 PEST

12/88 Rev.

9713512.1732 ID

0000146

CLIENT SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS SHEET

BOOF50MS

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001 MS

Sample wt/vol: 940 (g/mL) ML

Lab File ID: 04179103.43

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/11/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/18/91

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

Dilution Factor: 2.00

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

CAS NO.	COMPOUND		
319-84-6	Alpha-BHC	0.11	U
319-85-7	Beta-BHC	0.11	U
319-86-8	Delta-BHC	0.11	U
58-89-9	gamma-BHC (Lindane)		S
76-44-8	Heptachlor		S
309-00-2	Aldrin		S
1024-57-3	Heptachlor epoxide	0.11	U
959-98-8	Endosulfan I	0.11	U
60-57-1	Dieldrin		S
72-55-9	4,4'-DDE	0.21	U
72-20-8	Endrin		S
33213-65-9	Endosulfan II	0.21	U
72-54-8	4,4'-DDD	0.21	U
1031-07-8	Endosulfan sulfate	0.21	U
50-29-3	4,4'-DDT		S
72-43-5	Methoxychlor	1.1	U
53494-70-5	Endrin ketone	0.21	U
5103-71-9	alpha-Chlordane	1.1	U
5103-74-2	gamma-Chlordane	1.1	U
8001-35-2	Toxaphene	2.1	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	1.1	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	2.1	U
11096-82-5	Aroclor-1260	2.1	U

JeB 6/25/91

S: SPIKE COMPOUND

FORM 1 PEST

12/88 Rev.

9713512.1733 ID 000015 CLIENT SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS SHEET

BOOF50MSD

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L869-001 MSD

Sample wt/vol: 940 (g/mL) ML Lab File ID: 04179103.44

Level: (low/med) LOW Date Received: 03/08/91

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

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/18/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 2.00

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

CAS NO.	COMPOUND		
319-84-6	Alpha-BHC	0.11	U
319-85-7	Beta-BHC	0.11	U
319-86-8	Delta-BHC	0.11	U
58-89-9	gamma-BHC (Lindane)		S
76-44-8	Heptachlor		S
309-00-2	Aldrin		S
1024-57-3	Heptachlor epoxide	0.11	U
959-98-8	Endosulfan I	0.11	U
60-57-1	Dieldrin		S
72-55-9	4,4'-DDE	0.21	U
72-20-8	Endrin		S
33213-65-9	Endosulfan II	0.21	U
72-54-8	4,4'-DDD	0.21	U
1031-07-8	Endosulfan sulfate	0.21	U
50-29-3	4,4'-DDT		S
72-43-5	Methoxychlor	1.1	U
53494-70-5	Endrin ketone	0.21	U
5103-71-9	alpha-Chlordane	1.1	U
5103-74-2	gamma-Chlordane	1.1	U
8001-35-2	Toxaphene	2.1	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	1.1	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	2.1	U
11096-82-5	Aroclor-1260	2.1	U

JEB 6/25/91

S: SPIKE COMPOUND FORM 1 PEST 12/88 Rev.

9713512.1734

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 04/10/91

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

WESTON BATCH #: 9103L869

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-001	BOOF50	Alkalinity	92.0	MG/L	2.0
		Chloride by IC	17.6	mg/L	2.5
		Fluoride by IC	0.73	mg/L	0.50
		Nitrite by IC	0.25 ~~J~~R	mg/L	0.25
		Nitrate by IC	8.7 J	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	30.8	mg/L	2.5
		Hardness	102	MG/L	2.0
		Nitrate Nitrite	1.9	MG/L	0.10
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.57	MG/L	0.50
		pH	7.1	PH UNITS	0.10
		Sulfate	31.3	MG/L	5.0
		Specific Conductance	322	UMHOS/CM	1.0
		Total Dissolved Solids	229	MG/L	5.0
-003	BOOF60	Alkalinity	94.0	MG/L	2.0
		Chloride by IC	5.4	mg/L	0.25
		Fluoride by IC	0.53	mg/L	0.50
		Nitrite by IC	0.25 ~~J~~R	mg/L	0.25
		Nitrate by IC	6.7 J	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	37.7	mg/L	2.5
		Hardness	112	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	0.50 u	MG/L	0.50
		pH	7.8	PH UNITS	0.10
		Sulfate	35.6	MG/L	10.0
		Specific Conductance	311	UMHOS/CM	1.0
		Total Dissolved Solids	227	MG/L	5.0

DyB
9/5/91

9713512.1735

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 04/10/91

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

WESTON BATCH #: 9103L869

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-005	BOOFF5	Alkalinity	104	MG/L	2.0
		Chloride by IC	6.8	mg/L	0.25
		Fluoride by IC	0.51	mg/L	0.50
		Nitrite by IC	0.25 u	mg/L	0.25
		Nitrate by IC	43.2	mg/L	2.5
		Cyanide, Total	10.0 u	UG/L	10.0
		Phosphate by IC	0.25 u	mg/L	0.25
		Sulfate by IC	36.5	mg/L	2.5
		Hardness	132	MG/L	2.0
		Nitrate Nitrite	10.2	MG/L	2.5
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.67	MG/L	0.50
		pH	7.8	PH UNITS	0.10
		Sulfate	38.0	MG/L	5.0
		Specific Conductance	379	UMHOS/CM	1.0
		Total Dissolved Solids	276	MG/L	5.0
-008	BOOF63	Alkalinity	80.0	MG/L	2.0
		Chloride by IC	4.1	mg/L	0.25
		Fluoride by IC	0.80	mg/L	0.50
		Nitrite by IC	0.25 u	mg/L	0.25
		Nitrate by IC	19.8	mg/L	2.5
		Cyanide, Total	10.0 u	UG/L	10.0
		Phosphate by IC	0.25 u	mg/L	0.25
		Sulfate by IC	33.4	mg/L	2.5
		Hardness	100	MG/L	2.0
		Nitrate Nitrite	5.0	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.67	MG/L	0.50
		pH	7.9	PH UNITS	0.10
		Sulfate	32.9	MG/L	5.0
		Specific Conductance	299	UMHOS/CM	1.0
		Total Dissolved Solids	230	MG/L	5.0

9713512.1736

ROY F. WESTON INC.

INORGANICS METHOD BLANK DATA SUMMARY PAGE 04/10/91

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

WESTON BATCH #: 9103L869

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	91LIC13-MB1	Chloride by IC	0.56	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	91LC100-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

9713512.1737

ROY F. WESTON INC.

INORGANICS METHOD BLANK DATA SUMMARY PAGE 04/10/91

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

WESTON BATCH #: 9103L869

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	91LAM029-MB1	Ammonia, as N	0.10 u	MG/L	0.10
BLANK20	91LAM029-MB2	Ammonia, as N	0.10 u	MG/L	0.10
BLANK30	91LAM029-MB3	Ammonia, as N	0.10 u	MG/L	0.10
BLANK10	91LTC054-MB1	Total Organic Carbon	0.50 u	MG/L	0.50
BLANK20	91LTC054-MB2	Total Organic Carbon	0.50 u	MG/L	0.50
BLANK30	91LTC054-MB3	Total Organic Carbon	0.50 u	MG/L	0.50
BLANK10	91LS4018-MB1	Sulfate	5.0 u	MG/L	5.0
BLANK20	91LS4018-MB2	Sulfate	5.0 u	MG/L	5.0

9713512.1738

ROY F. WESTON INC.

INORGANICS METHOD BLANK DATA SUMMARY PAGE 04/10/91

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

WESTON BATCH #: 9103L869

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
BLANK30	91LS4018-MB3	Sulfate	5.0	u	MG/L	5.0
BLANK10	91LSP017-MB1	Specific Conductance	1.0	u	UMHOS/CM	1.0
BLANK20	91LSP017-MB2	Specific Conductance	1.0	u	UMHOS/CM	1.0
BLANK30	91LSP017-MB3	Specific Conductance	1.0	u	UMHOS/CM	1.0
BLANK10	91LSS021-MB1	Total Dissolved Solids	15.0		MG/L	5.0
BLANK1	91LC104-MB1	Cyanide, Total	10.0	u	UG/L	10.0

9713512.1739

ROY F. WESTON INC.

INORGANICS ACCURACY REPORT 04/10/91

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

WESTON BATCH #: 9103L869

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	INITIAL RESULT	SPIKED AMOUNT	%RECOV
-003	BOOF60	Sulfate	57.5	35.6	20.0	110
-008	BOOF63	Hardness	298	100	200	98.9
		Nitrate Nitrite	45.2	5.0	50.0	80.4
		Nitrate Nitrite MSD	43.6	5.0	50.0	77.0
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	91LIC13-MB1	Chloride by IC	5.2	0.56	5.0	92.4
		Chloride by IC MSD	5.2	0.56	5.0	91.9
		Fluoride by IC	9.2	0.50u	10.0	91.9
		Fluoride by IC MSD	10	0.50u	10.0	99.6
		Nitrite by IC	4.9	0.25u	5.0	99.0
		Nitrite by IC MSD	5.2	0.25u	5.0	103
		Nitrate by IC	5.0	0.25u	5.0	101
		Nitrate by IC MSD	5.0	0.25u	5.0	100
		Phosphate by IC	5.0	0.25u	5.0	99.9
		Phosphate by IC MSD	5.0	0.25u	5.0	99.6
		Sulfate by IC	5.0	0.25u	5.0	99.2
		Sulfate by IC MSD	5.0	0.25u	5.0	99.5
BLANK10	91LHD004-MB1	Hardness	100	1.0 u	100	100

9713512.1740

ROY F. WESTON INC.

INORGANICS ACCURACY REPORT 04/10/91

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

WESTON BATCH #: 3103L869

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	91LAM029-MB1	Ammonia, as N	0.19	0.10u	0.20	97.0
		Ammonia, as N MSD	1.0	0.10u	1.0	102
BLANK20	91LAM029-MB2	Ammonia, as N	10.1	0.10u	10.0	101
BLANK30	91LAM029-MB3	Ammonia, as N	0.20	0.10u	0.20	98.0
		Ammonia, as N MSD	10.3	0.10u	10.0	103
BLANK10	91LTC054-MB1	Total Organic Carbon	4.7	0.50u	5.0	93.0
		Total Organic Carbon	4.8	0.50u	5.0	96.9
BLANK20	91LTC054-MB2	Total Organic Carbon	4.7	0.50u	5.0	95.0
BLANK30	91LTC054-MB3	Total Organic Carbon	4.7	0.50u	5.0	93.0
BLANK10	91LS4018-MB1	Sulfate	20.8	5.0 u	20.0	104
		Sulfate	20.9	5.0 u	20.0	105

9713512.1741

ROY F. WESTON INC.

INORGANICS ACCURACY REPORT 04/10/91

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9103L869

WORK ORDER: 6168-02-01-0000

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	INITIAL RESULT	SPIKED AMOUNT	%RECOV
BLANK20	91LS4018-MB2	Sulfate	20.5	5.0 u	20.0	103
BLANK30	91LS4018-MB3	Sulfate	20.3	5.0 u	20.0	102
BLANK10	91LSP017-MB1	Specific Conductance	139	1.0 u	147	94.7
BLANK20	91LSP017-MB2	Specific Conductance	701	1.0 u	718	97.7
BLANK30	91LSP017-MB3	Specific Conductance	1410	1.0 u	1410	99.7

9713512.1742

ROY F. WESTON INC.

INORGANICS PRECISION REPORT 04/10/91

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9103L869

WORK ORDER: 6168-02-01-0000

SAMPLE	SITE ID	ANALYTE	INITIAL RESULT	REPLICATE	% DIFF
-001REP	BOOF50	Alkalinity	92.0	100	8.3
		Specific Conductance	322	325	0.93
-003REP	BOOF60	Sulfate	35.6	36.9	3.7

9713512.1743

ROY F. WESTON INC.

INORGANICS PRECISION REPORT 04/10/91

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

WESTON BATCH #: 31031640

SAMPLE	SITE ID	ANALYTE	INITIAL RESULT	REPLICATE	% DIFF
-008REP	BOOF63	Hardness	100	100	0.20
		Nitrate Nitrite	5.0	5.1	1.7
		pH	7.9	8.0	0.76

9713512.1744

ROY F. WESTON INC.

INORGANICS DUPLICATE SPIKE REPORT 04/10/91

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

WESTON BATCH #: 9103L869

SAMPLE	SITE ID	ANALYTE	SPIKE#1 %RECOV	SPIKE#2 %RECOV	%DIFF
-008	BOOF63	Nitrate Nitrite	80.4	77.0	4.2
BLANK1	91LIC13-MB1	Chloride by IC	92.4	91.9	0.50
		Fluoride by IC	91.9	99.6	8.1
		Nitrite by IC	99.0	103	4.3
		Nitrate by IC	101	100	0.10
		Phosphate by IC	99.9	99.6	0.30
		Sulfate by IC	99.2	99.5	0.40
LCS2	91LC100-LC2	Cyanide, Total LCS	98.7	96.0	2.8
BLANK20	91LHD004-MB2	Hardness	100	100	0.30
BLANK10	91LNO110-MB1	Nitrate Nitrite	105	102	2.3
BLANK10	91LAM029-MB1	Ammonia, as N	97.0	102	5.0
BLANK30	91LAM029-MB3	Ammonia, as N	98.0	103	5.0
BLANK10	91LTC054-MB1	Total Organic Carbon	93.0	96.9	4.1
BLANK10	91LS4018-MB1	Sulfate	104	105	0.30
LCS2	91LC104-LC2	Cyanide, Total LCS	98.3	98.5	0.20

9713512.1745

ROY F. WESTON INC.

INORGANICS LABORATORY CONTROL STANDARDS REPORT 04/10/91

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	SPIKED AMOUNT	UNITS	%RECOV
LCS1	91LC100-LC1	Cyanide, Total LCS	98.7	100	UG/L	98.7
LCS2	91LC100-LC2	Cyanide, Total LCS	96.0	100	UG/L	96.0
LCS1	91LC104-LC1	Cyanide, Total LCS	98.3	100	UG/L	98.3
LCS2	91LC104-LC2	Cyanide, Total LCS	98.5	100	UG/L	98.5

9713512.1746

OSM ORGANIC DATA ASSESSMENT

DATE 8/13/91

REVIEWED BY D.Y. Bisenius DYB

LABORATORY Weston

CASE # —

SDG # —

RFW # 9103L869

SAMPLES/MATRIX B00F50

B00F60

B00FF5

B00FD4

B00F63

– all water

DATA ASSESSMENT SUMMARY

	VOA	ABN	PEST
1. Holding Times (Form I)	O	O	O
2. Surrogate Recovery (II)	O	~~S~~ X JJ 11/2/91	O
3. Matrix Spike/ MSD (III)	O	O	O
4. Blanks (IV)	X	X	O
5. GC/MS Tune (V)	O	O	
6. Calibration (VI-VII; VIII pest)	O	O	M
7. Internal Standards (VIII)	O	O	
8. Instr. Perform. (IX pest)			M
9. Other ( ) see attachment			

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: Major problems with Pesticide analysis - preliminary qualification of all Pesticide results unusable (R) All other data acceptable with qualifiers

NOTES : A/B/N Continuing Calibration form VII needed for 4/11-4/15/91.

Refer to the corresponding attachments for explanation of any problems.

ok to transmit

JJ 11/2/91

9713512.1747

ORGANIC QC - Holding Times

Name D.Y. Bisenius DYB Date 8/13/91

COMMENTS: VOA - Holding time criteria were met. A/B/N - Holding time criteria are satisfied - extraction within 7 days and analysis within 40 days. Pest - Holding time criteria are satisfied - extraction within 7 days and analysis within 40 days.

ACTION: None

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1748

ORGANIC QC - Surrogate Recovery

Name D. Y. Bisenius DYB Date 8/13/91

COMMENTS: VOA- All surrogate recoveries are within specified control limits. No blanks have surrogate recoveries outside the control limits. A/B/N - All sample surrogate recoveries are within the specified control limits. One surrogate recovery in blank spike duplicate outside the control limits - biased high - Phenol-d5 - 100%. Pest - All surrogate recoveries are within specified control limits.

ACTION: A/B/N - None

sample #	constituent	value/qual	sample #	constituent	value/qual

9213512.1749

ORGANIC QC - MS/MSD

Name D.Y. Bisenius DYB Date 8/13/91

COMMENTS: VOA - All spike recoveries and RPD's are within control limits. A/B/N - Matrix spike had 1 out of 11 Percent Recovery values outside of control limits biased high - 4-Nitrophenol 83%. Blank spike/Blank spike duplicate: 4 out of 22 Percent Recovery values outside of control limits biased high - 2 of 4 were 4-Nitrophenol. Pentachlorophenol % RPD biased high. -(see below

ACTION: A/B/N - None Pest. - None

sample #	constituent	value/qual

sample #	constituent	value/qual

Comments Cont.

Pest.: 1 out of 12 matrix spike recove outside control limits: Endrin = 17 (Control limit 56-121%) biased hig All RPD's within control limits. Method blank spike and MSD spike recoveries and RPD's are within co limits.

9713512.1750 ORGANIC QC - Blanks

Name D.Y. Bisenius DYB Date 8/13/91

COMMENTS: VOA - Contaminants methylene chloride and acetone detected in blanks. A/B/N Common phthalate esters were detected in blanks; "SBLKMSD" had highest concentrations Di-n-Butylphthalate = 4JB, bis(2-Ethylhexyl)phthalate = 8JB. "SBLK" also had 4 T.I.C.'s. Pest - No contaminants detected in blanks. Method blank criteria met for VOA, A/B/N and Pest.

ACTION: Qualify positive results less than 10x amount detected in blank as "U." Raise sample results to SQL.

sample #	constituent	value/qual
B00F50	Methylene Chloride	6/U
B00F50	Acetone	12/U
B00F60	Methylene Chloride	6/U
B00F60	Acetone	8J/10U
B00FF5	Methylene Chloride	6/U
B00FF5	Acetone	12/U
B00FD4	Methylene Chloride	10/U
B00F63	Methylene Chloride	6/U
B00F63	Acetone	15/U
B00F50	Di-n-Butylphthalate	1JB/10U
B00F50	bis(2-Ethylhexyl)phthalate	17B/U
B00F60	Di-n-Butylphthalate	1JB/10U
B00F60	bis(2-Ethylhexyl)phthalate	6JB/10U
B00FF5	Di-n-Butylphthalate	1JB/10U
B00FF5	bis(2-Ethylhexyl)phthalate	5JB/10U
B00F63	Di-n-Butylphthalate	1JB/10U
B00F63	bis(2-Ethylhexyl)phthalate	9JB/

9713512.1751

ORGANIC QC - GC/MS Tune

Name D.Y. Bisenius DYB Date 8/14/91

COMMENTS: VOA - All specified ion abundance criteria are met. Form V is present for each 12-hour period samples were analyzed. A/B/N - All specified ion abundance criteria are met. Form V is present for each 12-hour period samples were analyzed.

ACTION: None

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1752

ORGANIC QC - Calibrations

Name D. Y. Bisenius DYB Date 8/14/91

COMMENTS: VOA- Initial calibration ($\overline{RRF}$) and %RSD criteria are met for all SPCC and CCC. Continuing calibrations all SPCC and CCC data are within specified RRF50 and %D control limits. A/B/N- Three "Initial Calibration" ($\overline{RRF}$) and %RSD criteria are met for all SPCC and CCC. Three "Continuing calibrations all SPCC and CCC data are within specified RRF50 and %D control limits. Pest- see Below

ACTION: None for VOA and A/B/N. Pest. - Qualify all non-detects as estimated (UJ).

sample #	constituent	value/qual
B00F50	ALL Pesticides	U / UJ
B00F60	All Pest.	U / UJ
B00FF5	All Pest.	U / UJ
B00F63	All Pest.	U / UJ

sample #	constituent	value/qual

Comments cont.

Pest - Percent RSD ≤ 10% for 72-hr. period for all calibration standards for Column 2250/2401 used for quantitatio

Analytical sequence: Evaluation mix B run every 12 samples; Individual Stand B out of control at end of sequence on quantation column. 7 Standards in continui Calibration out of control:

Delta-BHC %D=16.2
Aldrin %D=15.7
4,4'-DDE %D=27.8
Endrin %D=53.5
4,4'-DDD %D=17.9
Endosulfan sulfate %D=20.6
gamma-Chlordane %D=20.1 on quantation column 2250/2401 (1351).

8 Standards in continuing calibratio out of control (1852) and (1925)

The above standards, plus

Beta-BHC %D=17.7
alpha-Chlordane %D=23.7
Heptachlor %D=16.6
Heptachlor epoxide %D=23.5
Endosulfan I %D=17.8
Dieldrin %D=
Endosulfan %D.
4,4'-D %D=2
Methoxychlor %

6

ORGANIC QC - Internal Standards

Name D.Y. Bisenius DYB Date 8/14/91

COMMENTS: VOA- All retention times and IS areas are within the specified control limits. A/B/N- All retention times were within specified control limits. For Blank Spike Duplicate IS areas for Chrysene-d12 and Perylene-d12 were outside control limits - biased high. All other IS areas within Control limits.

ACTION: A/B/N- None - no positive results to be qualified as estimated.

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1754

ORGANIC QC - Instrument Performance (pest)

Name DY Bisenius for DYB 11/2/91 Date 8/23/91

COMMENTS: - DDT Rt criteria met and all stds within RT windows.

- Endrin/DDT % check ok

- DBC RT %D exceeds limits after all samples were analyzed (INDA) @ 1351 4/18/91

ACTION: qualify associated results as per OSM guidelines

sample #	constituent	value/qual	sample #	constituent	value/qual
all Pest	all	UJ			

9713512.1755

ORGANIC QC - Other

Name D. Y. Bisenius DYB Date 8/19/91

COMMENTS: A/B/N - Continuing Calibration Form VIII DYB 8/19/91 needed for 4/11 - 4/15/91 period.

ACTION: Notify Weston Lab.

sample #	constituent	value/qual	sample #	constituent	value/qual

1A

VOLATILE ORGANICS ANALYSIS SHEET

9/15912.1756

0000019

CLIENT SAMPLE NO.

BOOF50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

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

Lab File ID: AK3E16

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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	6	~~B~~U
67-64-1	Acetone	12	~~B~~U
75-15-0	Carbon Disulfide	5	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

DyB 8/13/91

1E

CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0000020

BOOF50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

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

Lab File ID: AK3E16

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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 9/15912.1/98 0000026

CLIENT SAMPLE NO.

BOOF60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003

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

Lab File ID: AK3E17

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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	6	~~B~~ U
67-64-1	Acetone	~~8~~ 10	~~JB~~ U
75-15-0	Carbon Disulfide	5	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

DYB 8/13/91

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000027

CLIENT SAMPLE NO.

BOOF60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003

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

Lab File ID: AK3E17

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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.

0000033

BOOFF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-005

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

Lab File ID: AK3E18

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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	6	~~B~~U
67-64-1	Acetone	12	~~B~~U
75-15-0	Carbon Disulfide	5	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

DMB 8/13/91

1E

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

CLIENT SAMPLE NO.

BOOFF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-005

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

Lab File ID: AK3E18

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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

0000040

CLIENT SAMPLE NO.

BOOFD4

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-007

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

Lab File ID: AK3E19

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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	10	~~B~~U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	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	2	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

DLB 8/13/91

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 000004

CLIENT SAMPLE NO.

BOOFD4

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-007

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

Lab File ID: AK3E19

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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 0000047

CLIENT SAMPLE NO.

BOOF63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-008

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

Lab File ID: AK3E20

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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	6	~~B~~ U
67-64-1	Acetone	15	~~B~~ U
75-15-0	Carbon Disulfide	5	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

DYB
8/13/91

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000048

CLIENT SAMPLE NO.

BOOF63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-008

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

Lab File ID: AK3E20

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____

Date Analyzed: 03/14/91

Column: (pack/cap) CAP

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.

B00F50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040710

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

9715512.1767

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000023

CLIENT SAMPLE NO.

B00F50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040710

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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)	1	J
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	X10	~~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	17	~~B~~ 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

DYB 8/19/91

(1) - Cannot be separated from Diphenylamine

FORM 1 SV-2

12/88 Rev.

9713512.1768

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS 0000024

CLIENT SAMPLE NO.

BOOF50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040710

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

Dilution Factor: 1.00

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.42	10	J
2.	UNKNOWN	12.37	5	J
3.	UNKNOWN	~~25.13~~	~~200~~	~~JB~~
4.	UNKNOWN	25.37	5	J
5.	UNKNOWN	28.08	5	J
6.	UNKNOWN	30.70	7	J
7.	UNKNOWN	34.05	9	J
8.	UNKNOWN	38.63	6	J

JJ 11/2/91

9713512.1769

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000046

CLIENT SAMPLE NO.

B00F60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040711

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000047

CLIENT SAMPLE NO.

B00F60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040711

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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	~~X~~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	~~B~~10	~~JB~~ 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

DyB 8/29/91

(1) - Cannot be separated from Diphenylamine

FORM 1 SV-2

12/88 Rev.

9213512.1771

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000048

CLIENT SAMPLE NO.

BOOF60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-003

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040711

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

Dilution Factor: 1.00

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.42	10	J
2.	UNKNOWN	12.35	5	J
3.	UNKNOWN	13.67	5	J
4.	UNKNOWN	21.97	6	J
5.	HYDROCARBON	22.83	6	J
6.	UNKNOWN	23.02	10	J
7.	UNKNOWN	~~25.13~~	~~600~~	~~JB~~
8.	UNKNOWN	25.35	20	J
9.	UNKNOWN	25.62	10	J
10.	HYDROCARBON	25.78	10	J
11.	UNKNOWN	26.03	7	J
12.	HYDROCARBON	27.28	10	J
13.	UNKNOWN	28.08	7	J
14.	UNKNOWN	30.68	4	J

JJ 11/2/91

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BOOFF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-005

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040713

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

9113512.1773

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000075

CLIENT SAMPLE NO.

B00FF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-005

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040713

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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)	1	J
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	X10	~~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	~~8~~10	~~JB~~ 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

DeyB 8/19/91

9713512.1774

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000076

CLIENT SAMPLE NO.

BOOFF5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-005

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040713

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/07/91

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

Dilution Factor: 1.00

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.40	10	J
2.	UNKNOWN	13.65	5	J
3.	UNKNOWN	21.95	10	J
4.	HYDROCARBON	22.82	10	J
5.	UNKNOWN	23.00	20	J
6.	UNKNOWN	~~25.13~~	~~900~~	~~JB~~
7.	UNKNOWN	25.33	20	J
8.	UNKNOWN	25.62	20	J
9.	UNKNOWN	25.78	20	J
10.	UNKNOWN	26.02	10	J
11.	UNKNOWN	27.27	20	J
12.	UNKNOWN	28.07	10	J
13.	UNKNOWN	28.33	10	J
14.	UNKNOWN	30.68	10	J
15.	UNKNOWN	30.98	10	J

JJ 11/2/91

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000105

CLIENT SAMPLE NO.

B00F63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040805

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/08/91

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

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BOOF63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040805

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/08/91

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)	1	J
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	~~X~~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	~~8~~10	~~JB~~ 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

DeyB 8/19/91

(1) - Cannot be separated from Diphenylamine

9213512.1777

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000107

CLIENT SAMPLE NO.

BOOF63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9103L869-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: V040805

Level: (low/med) LOW

Date Received: 03/08/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/08/91

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

Dilution Factor: 1.00

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.43	5	J
2.	UNKNOWN	21.95	4	J
3.	UNKNOWN	23.00	7	J
4.	UNKNOWN	~~25.12~~	~~400~~	~~JB~~
5.	UNKNOWN	25.33	9	J
6.	HYDROCARBON	25.78	4	J
7.	UNKNOWN	26.02	3	J
8.	HYDROCARBON	27.27	6	J

J 11/12/91

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET

0000296

CLIENT SAMPLE NO.

SBLK

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LE0336-MB1

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

Lab File ID: J041110

Level: (low/med) LOW

Date Received: 03/12/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/11/91

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

9135512 1779

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET

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: 91LE0336-MB1

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

Lab File ID: J041110

Level: (low/med) LOW

Date Received: 03/12/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/11/91

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	2	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	5	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

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 91LE0336-MB1

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

Lab File ID: J041110

Level: (low/med) LOW

Date Received: 03/12/91

% Moisture: not dec. _____ dec.

Date Extracted: 03/12/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 04/11/91

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.	CYCLOHEXENONE	6.60	4	J
2.	UNKNOWN	7.02	9	J
3.	HYDROCARBON	20.98	200	J
4.	UNKNOWN	21.10	8	J

9713512.1781

0000014

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BOOF50

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L869-001

Sample wt/vol: 960 (g/mL) ML Lab File ID: 04179103.27

Level: (low/med) LOW Date Received: 03/08/91

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

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/18/91

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	0.052	U J
319-85-7	Beta-BHC	0.052	U
319-86-8	Delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	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	0.52	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.52	U
5103-74-2	gamma-Chlordane	0.52	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.52	U
11104-28-2	Aroclor-1221	0.52	U
11141-16-5	Aroclor-1232	0.52	U
53469-21-9	Aroclor-1242	0.52	U
12672-29-6	Aroclor-1248	0.52	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U J

JB 6/25/91

11/2/91

9713542.1782

0000013

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BOOF60

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L869-003

Sample wt/vol: 930 (g/mL) ML Lab File ID: 04179103.28

Level: (low/med) LOW Date Received: 03/08/91

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

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/18/91

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	0.054	UJ
319-85-7	Beta-BHC	0.054	U
319-86-8	Delta-BHC	0.054	U
58-89-9	gamma-BHC (Lindane)	0.054	U
76-44-8	Heptachlor	0.054	U
309-00-2	Aldrin	0.054	U
1024-57-3	Heptachlor epoxide	0.054	U
959-98-8	Endosulfan I	0.054	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.54	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.54	U
5103-74-2	gamma-Chlordane	0.54	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.54	U
11104-28-2	Aroclor-1221	0.54	U
11141-16-5	Aroclor-1232	0.54	U
53469-21-9	Aroclor-1242	0.54	U
12672-29-6	Aroclor-1248	0.54	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	UJ

JEB 6/25/91

JJ 11/2/91

FORM 1 PEST 12/88 Rev.

000002 CLIENT SAMPLE NO.

BOOFF5

PESTICIDE ORGANICS ANALYSIS SHEET

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L869-005

Sample wt/vol: 940 (g/mL) ML Lab File ID: 04179103.29

Level: (low/med) LOW Date Received: 03/08/91

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

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/18/91

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	0.053	U J
319-85-7	Beta-BHC	0.053	U
319-86-8	Delta-BHC	0.053	U
58-89-9	gamma-BHC (Lindane)	0.053	U
76-44-8	Heptachlor	0.053	U
309-00-2	Aldrin	0.053	U
1024-57-3	Heptachlor epoxide	0.053	U
959-98-8	Endosulfan I	0.053	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.53	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.53	U
5103-74-2	gamma-Chlordane	0.53	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.53	U
11104-28-2	Aroclor-1221	0.53	U
11141-16-5	Aroclor-1232	0.53	U
53469-21-9	Aroclor-1242	0.53	U
12672-29-6	Aroclor-1248	0.53	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U J

JB 6/25/91

11/2/91

9713513.1784

0000029

PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BOOF63

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9103L869-008

Sample wt/vol: 890 (g/mL) ML Lab File ID: 04179103.30

Level: (low/med) LOW Date Received: 03/08/91

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

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 04/18/91

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	0.056	U
319-85-7	Beta-BHC	0.056	U
319-86-8	Delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
76-44-8	Heptachlor	0.056	U
309-00-2	Aldrin	0.056	U
1024-57-3	Heptachlor epoxide	0.056	U
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.56	U
5103-74-2	gamma-Chlordane	0.56	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.56	U
11104-28-2	Aroclor-1221	0.56	U
11141-16-5	Aroclor-1232	0.56	U
53469-21-9	Aroclor-1242	0.56	U
12672-29-6	Aroclor-1248	0.56	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U J

JPB 6/25/91

11/2/91

Westinghouse Hanford Company

9713512.1285

OSM RCRA LEVEL C DATA ASSESSMENT

DATE 9.30.91

REVIEWED BY LK THOMPSON for LKT 11/2/91

LABORATORY WESTON

CASE #

SDG # RFW # 91032869

SAMPLES/MATRIX
B00F50 - WATER
B00F60 - WATER
B00FF5 - WATER
B00F63 - WATER

DATA ASSESSMENT SUMMARY

QUALITY CONTROL CHECK	ANALYSIS	ALKALINITY	IC ANIONS*	CYANIDE
1. HOLDING TIME		O	X	O
2. BLANK		O	O	O
3. MATRIX SPIKE		O	O	NE
4. DUPLICATE		O ~~NE~~ LKT	O	O
5.				
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
NE: NOT EVALUATED

OVERALL ASSESSSMENT: No Major Problem with Case
ALL DATA USEABLE WITH ATTACHED QUALIFIE

NOTES:

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

ok to transmit
11/2/91

* IC ANIONS: Cl^-, F^-, NO_2, NO_3 PO_4, SO_4.

Westinghouse Hanford Company 9713512.1786

OSM RCRA LEVEL C DATA ASSESSMENT

DATE 9.30.91 SAMPLES/MATRIX See Cover

REVIEWED BY LK THOMPSON for LKT 11/2/91

LABORATORY WESTON

CASE #

SDG # RFW # 9103L869

DATA ASSESSMENT SUMMARY

QUALITY CONTROL CHECK	ANALYSIS	HARDNESS	NO_2/NO_3	AMMONIA
1. HOLDING TIME		NE	O	O
2. BLANK		O	O	O
3. MATRIX SPIKE		O	O	O
4. DUPLICATE		O	O	O
5.				
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
NE: NOT EVALUATED

OVERALL ASSESSSMENT: See Cover

NOTES:

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

Westinghouse Hanford Company 9213512.1787

OSM RCRA LEVEL C DATA ASSESSMENT

DATE 9.30.91 SAMPLES/MATRIX See Cover

REVIEWED BY LK THOMPSON [illegible] 11/26/91

LABORATORY WESTON

CASE #

SDG # RFW # 91 031869

DATA ASSESSMENT SUMMARY

QUALITY CONTROL CHECK	ANALYSIS	TOC	SOV	CONDUCTANCE
1.	HOLDING TIME	O	O	O
2.	BLANK	O	O	O
3.	MATRIX SPIKE	O	O	O
4.	DUPLICATE	O	O	O
5.				
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
NE: NOT EVALUATED

OVERALL ASSESSSMENT: See Cover

NOTES:

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

Westinghouse
Hanford Company 9213512.1788

OSM RCRA LEVEL C DATA ASSESSMENT

DATE 9.30.91 SAMPLES/MATRIX See Cover

REVIEWED BY LK Thompson for LKT 11/26/91

LABORATORY WESTON

CASE #

SDG # RFW #91 03L869

DATA ASSESSMENT SUMMARY

QUALITY CONTROL CHECK	ANALYSIS	TOS		
1. Holding Time		NE		
2. Blank		O		
3. Matrix Spike		NE		
4. Duplicate		NE		
5.				
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
NE: NOT EVALUATED

OVERALL ASSESSSMENT: See Cover

NOTES:

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

9713512.1789

RCRA LEVEL C QC

Name LK Thompson Date 9.30.91

QC Check: HOLDING TIME

COMMENTS: → ALKALINITY ASSAY DONE W/IN THE 14 DAY HT. + OK

→ 48 HOUR HT FOR NO_2, NO_3 and PO_4 NOT MET. NEEDS ACTN.

→ CYANIDE ASSAY DONE W/IN THE 14 DAY H.T. + OK

ACTION: Qualify data via OSM guideline.

sample #	constituent	value/qual
B00F50	NO_2	0.25 UJ
	NO_3	8.7 J
	PO_4	0.25 UJ
B00F60	NO_2	0.25 UJ
	NO_3	6.7 J
	PO_4	0.25 UJ
B00FF5	NO_2	0.25 UJ
	NO_3	43.2 J
	PO_4	0.25 UJ
B00F63	NO_2	0.25 UJ
	NO_3	19.8 J
	PO_4	0.25 UJ

sample #	constituent	value/qual

9713512.1790 RCRA LEVEL C QC

Name LK THOMPSON Date 9.30.91

QC Check: HOLDING TIMES

COMMENTS: → 28 HOLDING TIME MET FOR Cl^-, F^-, SO_4, NO_2/NO_3 AMMONIA, TOC, CONDUCTANCE + OK

→ NO HOLDING TIME REQUIREMENTS STIPULATED FOR HARDNESS and TDS (BOTH PERFORMED IN 6 DAYS) ∴ NE

ACTION: NONE

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1791

RCRA LEVEL C QC

Name LK Thompson Date 9.30.91

QC Check: BLANK

COMMENTS: → ALKALINITY BLANKS (91LAL004-MB1, MB2 & MB5 to MB6) WERE FOUND TO HAVE NO DETECTABLE ALKALINE RESPONSES. JOK

→ ALKALINITY BLANKS (91LAL004 MB3 and MB4) WERE FOUND TO HAVE A TRACE ALKALINE DETECTED. SINCE SAMPLES HAD ALKALINE RESULTS SIGNIFICANTLY GREATER THAN ANY BLANK (i.e. X10) THEN NO ACTION needed.

~~ACTION:~~

ACTION: NONE

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1792

RCRA LEVEL C QC

Name LK THOMPSON Date 9.20.91

QC Check: BLANK

COMMENTS: → IC ANION BLANK (91LC13-MB1) HAD A TRACE OF Cl (0.56 ppm). THE REMAINING ANIONS WERE BELOW DL.

→ CYANIDE BLANKS (91LC100-MB1) and 91LC104-MB1 RESULTS LCS OK.

→ HARDNESS BLANKS (91LHD004-MB1 & MB3) all RESULTS <MDLs + QC

ACTION: Qualify data via OSM Guidelines.

NONE NEEDED SINCE ALL Cl^- RESULTS WERE GREATER THAN 5X BLANK RESULT.

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1795

RCRA LEVEL C QC

Name LK THOMPSON Date 9.30.91

QC Check: BLANK ANALYSIS

COMMENTS: → NO_2/NO_3 BLANK (91LNO110-MB1) RESULTS <MDL + OK.

→ AMMONIA BLANKS (91LAM029-MB1 to MB3) RESULTS <MDL + OK.

→ TOC BLANKS (91LTC054-MB1 to MB3) RESULTS <MDL + OK.

→ SULFATE BLANKS (91LS4018-MB1 to MB3) RESULTS <MDL + OK.

ACTION:

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1794

RCRA LEVEL C QC

Name LK THOMPSON Date 9.30.91

QC Check: BLANK

COMMENTS: → CONDUCTANCE BLANKS (91LSP017-MB1 to MB3) RESULTS <MDL +OK.
→ TDS BLANK (91LS021-MB1) RESULT @ 15ppm, SINCE ALL SAMPLE RESULTS WERE SIGNIFICANTLY GREATER THAN BLANK THAN NO ACTION NEEDED.

ACTION: NONE

sample #	constituent	value/qual	sample #	constituent	value/qual

RCRA LEVEL C QC

Name LK Thompson Date 9.30.91

QC Check: MATRIX SPIKE

COMMENTS: → Ammonia Spike of Blanks (91LAM029-MB1 to MB3)
All had % Recov w/in QC Limits.
→ TOC Spike of Blanks (91LTC054-MB1 to MB3)
All had % Recov w/in QC Limits.

ACTION: None

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1796 RCRA LEVEL C QC

Name LK THOMPSON Date 9.30.91

QC Check: MATRIX SPIKES (22)

COMMENTS: → CYANIDE HAD NO MS/MSD STUDY DONE

→ HARDNESS SPIKE OF B00F63 HAD % RECOV W/IN QC LIMITS

HARDNESS BLANK SPIKES (91LH0004-MB1 to MB3) HAD ALL % RECOV W/IN QC LIMITS

→ NO_2/NO_3 SPIKE OF B00F63 MS & MSD AND BLANK SPIKE

~~ACTION:~~ (91LN0110-MB1+MSD) ALL HAD % RECOV W/IN QC LIMIT.

ACTION: NONE

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1797 RCRA LEVEL C QC

Name CK THOMPSON Date 9.30.91

QC Check: MATRIX SPIKE (p3)

COMMENTS: → ALKALINITY BLANK SPIKES (91LAL004-MB1 to MB6) HAD % RECOV ALL W/IN QC LIMIT.

→ IC ANIONS: BLANK SPIKES (91LIC13-MB1 and MSD) HAD ALL ANALYTE % RECOV W/IN QC LIMIT.

ACTION: NONE

sample #	constituent	value/qual	sample #	constituent	value/qual

RCRA LEVEL C QC

Name LK THOMPSON Date 9.30.91

QC Check: MATRIX SPIKE (pH)

COMMENTS: → SULFATE SPIKES OF BLANKS (91LS4018-MB1 to MB7) ALL HAD % RECOV. W/IN QC LIMITS.

→ CONDUCTANCE SPIKES OF BLANKS (91LSP017MB1 to MB7) HAD ALL % RECOV W/IN QC LIMITS.

~~ACTION~~: → TDS NOT SPIKED % NOT EVALUATED

ACTION (LK): NONE

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1799

RCRA LEVEL C QC

Name LK THOMPSON Date 9.30.91

QC Check: DUPLICATES (p1)

COMMENTS: ~~→ ALKALINITY – NO DUP % NE~~ LKT see part?

→ IC ANION DUP MS/MSD OF BLANK HAD % DIFF FOR ALL ANALYTES. W/IN QC LIMITS.

→ CYANIDE DUPLICATE OF LAB CONTROL SAMPLE, LCS WERE WITHIN QC LIMITS OF ±20% and OK.

LKT ~~ACTION:~~

ACTION: NONE

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1800

RCRA LEVEL C QC

Name LK THOMPSON Date 9.30.91

QC Check: DUPLICATES PL

COMMENTS: → HARDNESS - DUP OF BLANK HAD % DIFF W/IN QC LIMIT & OK.

→ NO_2/NO_3 - DUP OF B00F63 HAD % DIFF W/IN QC LIMIT & OK.

→ AMMONIA - DUPS OF BLANKS 10 + 30 HAD BOTH % DIFF W/IN QC LIMITS &

→ TOC DUP OF BLANK 10 HAD % DIFF W/IN QC LIMITS & OK

ACTION: NONE

sample #	constituent	value/qual	sample #	constituent	value/qual

9713512.1801

RCRA LEVEL C QC

Name LK THOMPSON Date 9.30.91

QC Check: DUPLICATES p3

COMMENTS: → SO_4 DUP OF BLANK10 HAD % DIFF W/IN QC LIMIT + OK.
→ CONDUCTANCE OF B00F50 HAD % DIFF W/IN QC LIMIT + OK.
→ TDS NO DUPS REPORTED ∴ NE
→ ALKALINITY + CONDUCTANCE DUPS OF B00F50 ~~WERE~~ HAD (ver)

ACTION: % DIFF W/IN QC LIMITS + OK
→ SULFATE DUP OF B00F60 HAD % DIFF WITHIN QC LIMIT + OK.

sample #	constituent	value/qual	sample #	constituent	value/qual

ACTION: NONE

9716512.1602

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 04/10/91

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

WESTON BATCH #: 9103L869

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-001	BOOF50	Alkalinity	92.0	MG/L	2.0
		Chloride by IC	17.6	mg/L	2.5
		Fluoride by IC	0.73	mg/L	0.5
		Nitrite by IC	LKT 9.30.91 0.25 ~~UR~~ UJ	mg/L	0.2
		Nitrate by IC	8.7 J	mg/L	0.2
		~~Cyanide, Total~~	~~10.0 u~~	UG/L	10.0
		Phosphate by IC	LKT 9.30.91 < 0.25 ~~UR~~ UJ	mg/L	0.2
		Sulfate by IC	30.8	mg/L	2.5
		Hardness	102	MG/L	2.0
		Nitrate Nitrite	1.9	MG/L	0.1
		Ammonia, as N	0.10 u	MG/L	0.1
		Total Organic Carbon	0.57	MG/L	0.5
		pH	7.1	PH UNITS	0.1
		Sulfate	31.3	MG/L	5.0
		Specific Conductance	322	UMHOS/CM	1.0
		Total Dissolved Solids	229	MG/L	5.0
-003	BOOF60	Alkalinity	94.0	MG/L	2.0
		Chloride by IC	5.4	mg/L	0.2
		Fluoride by IC	0.53	mg/L	0.5
		Nitrite by IC	0.25 ~~UR~~ UJ	mg/L	0.2
		Nitrate by IC	LKT 9.30.91 6.7 J	mg/L	0.2
		~~Cyanide, Total~~	~~10.0 u~~	UG/L	10.0
		Phosphate by IC	LKT 9.30.91 0.25 uJ	mg/L	0.2
		Sulfate by IC	37.7	mg/L	2.5
		Hardness	112	MG/L	2.0
		Nitrate Nitrite	1.8	MG/L	0.1
		Ammonia, as N	0.10 u	MG/L	0.1
		Total Organic Carbon	0.50 u	MG/L	0.5
		pH	7.8	PH UNITS	0.1
		Sulfate	35.6	MG/L	10.0
		Specific Conductance	311	UMHOS/CM	1.0
		Total Dissolved Solids	227	MG/L	5.0

DMB
9/5/91

9713512.1803

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 04/10/91

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

WESTON BATCH #: 9103L869

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-005	BOOFF5	Alkalinity	104	MG/L	2.0
		Chloride by IC	6.8	mg/L	0.2
		Fluoride by IC	0.51	mg/L	0.5
		Nitrite by IC	0.25 uJ	mg/L	0.2
		Nitrate by IC	43.2 J	mg/L	2.5
		~~Cyanide, Total~~ CNJ 4.30.91	~~10.0 u~~	UG/L	10.0
		Phosphate by IC	0.25 uJ	mg/L	0.2
		Sulfate by IC	36.5	mg/L	2.5
		Hardness	132	MG/L	2.0
		Nitrate Nitrite	10.2	MG/L	2.5
		Ammonia, as N	0.10 u	MG/L	0.1
		Total Organic Carbon	0.67	MG/L	0.5
		pH	7.8	PH UNITS	0.1
		Sulfate	38.0	MG/L	5.0
		Specific Conductance	379	UMHOS/CM	1.0
		Total Dissolved Solids	276	MG/L	5.0
-008	BOOF63	Alkalinity	80.0	MG/L	2.0
		Chloride by IC	4.1	mg/L	0.2
		Fluoride by IC	0.80	mg/L	0.5
		Nitrite by IC	0.25 uJ	mg/L	0.2
		Nitrate by IC	19.8 J	mg/L	2.5
		~~Cyanide, Total~~ CNJ 4.30.91	~~10.0 u~~	UG/L	10.0
		Phosphate by IC	0.25 uJ	mg/L	0.2
		Sulfate by IC	33.4	mg/L	2.5
		Hardness	100	MG/L	2.0
		Nitrate Nitrite	5.0	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.1
		Total Organic Carbon	0.67	MG/L	0.5
		pH	7.9	PH UNITS	0.1
		Sulfate	32.9	MG/L	5.0
		Specific Conductance	299	UMHOS/CM	1.0
		Total Dissolved Solids	230	MG/L	5.0