START 9613425.1227 000032 9207L014-WES-765 184 2

0043794

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLES RECEIVED:** 07-15-92
RFW #: 9207L014, GC/MS VOLATILE
W.O. #: 6168-02-01

NARRATIVE

The set of samples consisted of twenty-two (22) water samples collected on 07-10,11,12-92.

The samples were analyzed according to criteria set forth in CLP SOW 2/88 (Rev. 5/89) for TCL Volatile target compounds on 07-21,22,23,24-92.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. Non-target compounds were not detected in these samples.

2. The following samples required dilution because they contained high levels of target compounds:

Sample ID	Dilution Factor
B06PX2	2
B06Q59	2
B06Q68	5
B06Q86	2

3. All surrogate recoveries were within EPA QC limits.

4. All matrix spike recoveries were within EPA QC limits.

5. The laboratory blanks contained the common contaminants Methylene Chloride and/or Acetone at levels less than 2x the CRQL.

6. Internal standard areas were outside QC limits for sample B06Q59 DL. The analysis of sample B06Q59 fulfilled its re-analysis requirement.

Jack R. Tuschall 08.21.92
Jack R. Tuschall, Ph.D. Date
Laboratory Manager
Lionville Analytical Laboratory

FEB 1996 RECEIVED EDMC

te/voa/07-014v.cn

WESTON Analytics Use Only

92074.014

Custody Transfer Record/Lab Work Request

WESTON

Client: Westinghouse Hanford Co.
Est. Final Proj. Sampling Date:
Work Order #: 6168-02-01-0000
Project Contact/Phone #: P. I. Butcher (509) 376-504
AD Project Manager: Jovanka
QC: CLP Del: CLP TAT: 35 day
Date Rec'd: 7-15-92 Date Due: 8-12-92
Account #: CLS-HOLDERED

Refrigerator #		1	1-5		1-4	4	4		1	1		SUB		4
#/Type Container	Liquid	SEE SPECIAL INSTRUCTIONS.												
	Solid													
Volume	Liquid	SEE SPECIAL INSTRUCTIONS.												
	Solid													
Preservatives		SEE SPECIAL INSTRUCTIONS.												

See Below

ANALYSES REQUESTED →

ORGANIC							INORG						
VOA	BNA	Pest/PCB	Herb	Various	TTS TOTAL		Metal	CN	TOC	TOX		Other Above	Gross Alpha/Beta

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

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	VOA	BNA	Pest/PCB	Herb	Various	TTS TOTAL		Metal	CN	TOC	TOX		Other Above	Gross Alpha/Beta
01	B06PY7			W	7-12-92	07:45	✓	✓	✓		✓	✓	✓	✓		✓	✓		✓	
02	B06PY8						✓													✓
03	B06PY9						✓													
04	B06PX2			W	7-11-92	09:15	✓	✓	✓		✓	✓	✓	✓		✓	✓		✓	
05	3																			✓
06	4						✓	✓	✓		✓	✓	✓	✓						
07	B06ZQ1				7-12-92	07:00	✓	✓	✓		✓	✓	✓	✓		✓	✓		✓	
08	2																			✓
09	3						✓													

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

DATE/REVISIONS: RAD INFO FOLLOW

Special Instructions: 1) [illegible] 40mL, aq; [illegible] 2) [illegible] 40mL, aq; semi-vom, Fecal/Test. 3) 1. 1L, P; ICP [illegible] Hg (HNO3) [illegible] 4) 1. 1L, P; TDS, ~~NOD, DISOLVED OXYGEN, NITRATE, NITRITE~~ 5) 1. 1L, P; AMMONIA, COD (H2SO4). 6) 1. 250ml. aq; TOC (~~INCLUDES BICARBONATE~~ CARBONATE) (H2SO4). 7) 1. 250ml. aq; TOX (H2SO4). 8) 1. 1L, P; GROSS ALPHA/BETA, GAMMA SCAN (HNO3). 9) 1. 1L. P; ICP/AA METALS, Hg (HNO3) (FILTERED). Arsenic - Tech, Tcfe, TCSO4, TCPW, TCNO3, TCNO, Cr MS/MSD: 2 gallons

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
Emery C.	[illegible]	7-15-92	13:45		[illegible]	7-15-92	

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) Labels Indicate 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

RFW 21-21-001/A-7/91 L372 L373 L375 L377 L378 Ref# Cooler# Smt-119 151 159 Smt-132 Smt-120 381-596a EF86-007 H1

9613425.1228

000002

9207L.14

Custody Transfer Record/Lab Work Request

Client: Westinghouse Hanford Co.
Est. Final Proj. Sampling Date:
Work Order #: 6L68-02-01-0000
Project Contact/Phone #: ~~P.H. Butcher (509) 376-5045~~
AD Project Manager:
QC: Clp Del: Clp TAT: 35
Date Rec'd: 7-15-92 Date Due: 8-19-92
Account #: See Page (2)

Refrigerator #: See Page (1)
#/Type Container: Liquid / Solid: SEE SPECIAL INSTRUCTIONS.
Volume: Liquid / Solid: SEE SPECIAL INSTRUCTIONS.
Preservatives: SEE SPECIAL INSTRUCTIONS.

ANALYSES REQUESTED →

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

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	ORGANIC VOA	BNA	Pest/PCB	Herb				INORG Metal	CN					
							WESTON Analytics Use Only				See Page (1)									
							1		2		4	4	5	9		6	7		8	
011	B06Q08			W	7/12/92	0700	✓	✓	✓		✓	✓	✓	✓		✓	✓		✓	
011	B06Q09			↓	↓	↓														✓
012	B06Q10			↓	↓	↓	✓													
013	B06Q14			W	7-12-92	09:25	✓	✓	✓		✓	✓	✓	✓		✓	✓		✓	
014	15																			✓
015	16				↓	↓	✓													
016	59				7-10-92	10:01	✓	✓	✓		✓	✓	✓	✓		✓	✓		✓	
017	60				↓	↓														✓
018	61			↓	↓	↓	✓													

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

1) 3, 40mL, aG; [illegible] 2) [illegible] aG; SEMI-VOA, PCB/PEST.
3) 1, IL, P; ICP/AA METAL, Hg (HNO3) (UNFILTERED). 4) 3, IL, P; TDS, ANIONS, TSS, ALK. 5) 1, IL, P; AMMONIA, CE (H2SO4).
6) 1, 250mL, aG; TOC (INCLUDES BICARBONATE, CARBONATE) (H2SO4).
7) 1, 250mL, aG; TOC (H2SO4). 8) 1, IL, P; GROSS ALPHA/BETA, GAMMA SCAN (HNO3). 9) [illegible], IL, P; ICP/AA METALS, Hg (HNO3) (FILTERED).

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

WESTON Analytics Use Only

Samples were:
1) Shipped __ or Hand Delivered __
Airbill # _____
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate 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

Relinquished by	Received by	Date	Time
Emery	[illegible]	7-15-92	1345
	[illegible]		

Relinquished by	Received by	Date	Time
	[illegible]	7-15-92	

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES: See Page (1)

RFW 21-21-001/A-7/91 ____ L372 ____ L373 ____ L375 ____ L377 ____ L378 Ref# _____ Cooler# _____ 381-596a

9612425.1229

0000003

9207L014

Custody Transfer Record/Lab Work Request

Client: Westinghouse Hanford Co.
Est. Final Proj. Sampling Date:
Work Order #:
Project Contact/Phone #: P.H. Butcher (509) 376-5045
AD Project Manager:
QC: Due: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #																
#/Type Container	Liquid	SEE SPECIAL INSTRUCTIONS.														
	Solid															
Volume	Liquid	SEE SPECIAL INSTRUCTIONS.														
	Solid															
Preservatives		SEE SPECIAL INSTRUCTIONS.														
ANALYSES REQUESTED →		ORGANIC							INORG							
		VOA	BNA	Pest/PCB	Herb				Metal	CN						
		WESTON Analytics Use Only														
		1		2		4		5	3							

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

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	1		2		4		5	3						
019	A06Q62			W	7/11/92	1135	✓	✓	✓		✓	✓	✓	✓		✓	✓		✓	
020	A06Q63																			✓
021	A06Q64						✓													
022	A06Q68			W	7-10-92	07:45	✓	✓	✓		✓	✓	✓	✓		✓	✓		✓	
023	69																			✓
024	70						✓													
025	80				7-11-92	11:12	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	
026	81																			✓
027	82						✓													

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions: 1) 2. 40mL. 4C; 1 P. Amb. 2. [illegible] 1, 1L, P; ICP/AA METAL, Hg (HNO3) (UNFILTERED). 2) 3. 1L, P; TDS, NIONS, TSS, [illegible] 1, 1L, P; AMMONIA, [illegible] (H2SO4). 1, 250mL, 4C; [illegible] (INCLUDES BICARBONATE [illegible] (H2SO4). 1, 250mL, 4C; [illegible] (H2SO4). 6) 1, 1L, P; GROSS ALPHA, GROSS BETA, GAMMA SCAN HNO3). 7) 1, 1L, P; ICP/AA METALS, Hg (HNO3) (FILTERED).

DATE/REVISIONS:
1. [illegible]
2. [illegible] (H2SO4).
3. [illegible] (H2SO4).
4. [illegible]
5.
6.

WESTON Analytics Use Only

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

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec'd Y or N

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

Relinquished by	Received by	Date	Time
[illegible]	[illegible]	7-15-92	13:45
	[illegible]	7-15-92	

Relinquished by	Received by	Date	Time
	[illegible]	7-15-92	

RFW 21-21-001/A-7/91 L372 L373 L375 L377 L378 Ref# Cooler# 381-596a

9613425.1230

0000006

WESTON Analytics Use Only

92071014

Custody Transfer Record/Lab Work Request

WESTON

Page 4 of 4

Client: Westinghouse Hanford Co.
Est. Final Proj. Sampling Date
Work Order #
Project Contact/Phone: B.H. Butcher (509) 376-5045
AD Project Manager
QC ____ Del ____ TAT ____
Date Rec'd ____ Date Due ____
Account # See Page 1

Refrigerator #																
#/Type Container	Liquid	SEE SPECIAL INSTRUCTIONS.														
	Solid															
Volume	Liquid	SEE SPECIAL INSTRUCTIONS.								See Page 1						
	Solid															
Preservatives		SEE SPECIAL INSTRUCTIONS.														
ANALYSES REQUESTED →		ORGANIC							INORG							
		VOA	BNA	Pest/PCB	Herb				Metal	CN						
		WESTON Analytics Use Only														
		1		2		24		5	3							

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

Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	1	2		24		5	3						
028	B06Q86			W	7-11-92	07:32	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓
029	B06Q87						✓												
030	B06Q88						✓												
031	92			W	7-11-92	08:50	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
032	93																		✓
033	94						✓												

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
1) 1. 40mL, aG: [illegible] 2) 2L, aG: SEMI-VOM, FCB/PEST.
3) 1. 1L, P: ICP/AA/Metals, Hg (filtered) 2) 4) 3. 1L, P: TDS.
[illegible], DISSOLVED OXYGEN, NITRATE, [illegible] 1. 1L, P: AMMONIA, COD (H2SO4).
6) 1. 250mL, aG: TOC (INCLUDES BICARBONATE, CARBONATE) (H2SO4).
7) 1. 250mL, aG: [illegible] (H2SO4). 8) 1. 1L, P: GROSS ALPHA/BETA, GAMMA SCAN
(HNO3). 9) 1. 1L, P: ICP/AA METALS, Hg (filtered) (FILTERED).

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

WESTON Analytics Use Only

Samples were:
1) Shipped ___ or Hand Delivered
Airbill # ___
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Labels Indicate 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

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
[illegible]	[illegible]	7-15-92	13:45		[illegible]	7-15-92	
	[illegible] 7-15-92						

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES: See Page 1

RFW 21-21-001/A-7/91 L372 L373 L375 L377 L378 Ref# Cooler# 381 596a

9613425.1231

00000005

9613425.1232

Westinghouse Hanford Company

CHAIN OF CUSTODY

9207LC14

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations 200AAMS

Collection Date 7-12-92

Ice Chest No. SML-10

Field Logbook No. EFL 1033

Bill of Lading/Airbill No. 2509869054

Offsite Property No. W92-0-0399-50

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Sample Identification

BO[illegible]

3, 40ml, aG, WATER, CLP-VOA
3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
3, 1L, P, WATER, TDS, ANIONS, TSS, ALK
1, 1L, P, WATER, AMMONIA, COD (H2SO4)
1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
1, 250ml, Gs, WATER, TOX (H2SO4)
1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

BO[illegible]

1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

BO[illegible]

3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
G G Hamilton	B. Whitten	07/13/92 01930
B. Whitten		
Emery		7-15-92 13:45

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

A-6000-407 (12/90) (EF) WEF061
Chain of Custody

9613425.1233 0000007

Westinghouse Hanford Company	CHAIN OF CUSTODY 9207L014

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations 200AAMS

Collection Date 7-11-92

Ice Chest No. SML-151

Field Logbook No. EFL-1033

Bill of Lading/Airbill No. 2509905-4

Offsite Property No. W92-0-0533-1

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Sample Identification

B06[illegible]

3, 40ml, aG, WATER, CLP-VOA
3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
3, 1L, P, WATER, TDS, ~~BOD, DISOLVED OXYGEN, ANIONS,~~ TSS, ALK, ANIONS,
1, 1L, P, WATER, AMMONIA, COD (H2SO4) ~~[illegible]~~ 0 1542
1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
1, 250ml, Gs, WATER, TOX (H2SO4)
1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

B06[illegible]

1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

B06[illegible]

3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
G G Hamilton GG HAMILTON	K. Trapp / K Trapp	7/13/92 [illegible]
Relinquished by: [illegible] / K Trapp	Received by:	Date/Time:
Relinquished by: Emery	Received by: [illegible]	Date/Time: 7-15-92 13:45
Relinquished by:	Received by:	Date/Time:

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

A-6000-407 (12/90) (EF) WEF061
Chain of Custody

9613425.1234

0000008

Westinghouse Hanford Company

CHAIN OF CUSTODY

Pg 7L014

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 200AAMS

Ice Chest No. F. F.

Bill of Lading/Airbill No. 250986905-4

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045

Collection Date July 12, 1992

Field Logbook No. 2FL 1032

Offsite Property No. W92-0-0399-49

Sample Identification

B06ZQ1
- 3, 40ml, Gs, WATER, CLP-VOA
- 3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
- 1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
- 3, 1L, P, WATER, TDS, ANIONS, TSS, ALK
- 1, 1L, P, WATER, AMMONIA, COD (H2SO4)
- 1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
- 1, 250ml, Gs, WATER, TOX (H2SO4)
- 1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

B06ZQ2
- 1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

B06ZQ3
- 3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
K.D. Lee K.D. Lee	B. WHITTEN	07-13-92 - 09:30
B. WHITTEN		
Emery		7-15-92 13:45

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

A-6000-407 (12/90) (EF) WEF061
Chain of Custody

9613425.1235

000009

Westinghouse Hanford Company	CHAIN OF CUSTODY 9207L014

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 200AAMS

Ice Chest No. SML-7

Bill of Lading/Airbill No. 250 456905-4

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045

Collection Date 7/12/92

Field Logbook No. EFL-1032

Offsite Property No. W92-C-0533-1

Sample Identification

B0GC03

3, 40ml, aG, WATER, CLP-VOA
3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
3, 1L, P, WATER, TDS, ANIONS, TSS, ALK
1, 1L, P, WATER, AMMONIA, COD (H2SO4)
1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
1, 250ml, Gs, WATER, TOX (H2SO4)
1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

B0G004

1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

B0G010

3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
Patty D. Lee / P. D. Lee	K. Trapp / K. Trapp	7/13/92 0900
K. Trapp / K. Trapp		
Emery	Rick Flaugh	7-15-92 13:45

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

-6000-407 (12/90) (EF) WEF061
hain of Custody

9613425.1236

0000010

Westinghouse Hanford Company	CHAIN OF CUSTODY	9207L014

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations 200AAMS

Collection Date July 12, 1992

Ice Chest No. SAL-159

Field Logbook No. [illegible]-1032

Bill of Lading/Airbill No. 1250986905-4

Offsite Property No. W92-0-0399-49

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Sample Identification

B06014

3, 40ml, aG, WATER, CLP-VOA
3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
3, 1L, P, WATER, TDS, ANIONS, TSS, ALK
1, 1L, P, WATER, AMMONIA, COD (H2SO4)
1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
1, 250ml, Gs, WATER, TOX (H2SO4)
1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

06015

1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

06016

3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
[illegible] C. CELIBERTI	B. WHITTON	7-13-92 09:30
B. WHITTON		
Emery	[illegible]	7-15-92 13:45

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

6000-407 (12/90) (EF) WEF061
Chain of Custody

9613425.1237

000011

Westinghouse Hanford Company	CHAIN OF CUSTODY 9207L014

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 200AAMS

Ice Chest No. SML-132

Bill of Lading/Airbill No. 250956405-4

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045

Collection Date 7 10 92

Field Logbook No. EFL 1033

Offsite Property No. W92-0-0533-2

Sample Identification

B06250

3, 40ml, aG, WATER, CLP-VOA
3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
3, 1L, P, WATER, TDS, ANIONS, TSS, ALK
1, 1L, P, WATER, AMMONIA, COD (H2SO4)
1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
1, 250ml, Gs, WATER, TOX (H2SO4)
1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

B06260

1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

B06261

3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
[illegible]	K. Trapp / K. Trapp	07/13/92 0900
K. Trapp / K. Trapp		
		7-15-92 13:45

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

1-6000-407 (12/90) (EF) WEF061
Chain of Custody

9613425.1238

0000012

Westinghouse Hanford Company	CHAIN OF CUSTODY

9207L014

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 200AAMS

Ice Chest No. WHC-19

Bill of Lading/Airbill No. 2309961905-4

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045

Collection Date 7-11-92

Field Logbook No. EFL 1033

Offsite Property No. W92-0-0533-2

Sample Identification

B06662

3, 40ml, aG, WATER, CLP-VOA
3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
3, 1L, P, WATER, TDS, ANIONS, TSS, ALK
1, 1L, P, WATER, AMMONIA, COD (H2SO4)
1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
1, 250ml, Gs, WATER, TOX (H2SO4)
1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

B06663

1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

B06664

3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
GG Hamilton	K Trapp / K Trapp	7/13/92 0900
K Trapp / K Trapp		
Emery		7-15-92 13:45

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

1-6000-407 (12/90) (EF) WEF061
Chain of Custody

9613425.1239

000013

Westinghouse Hanford Company	CHAIN OF CUSTODY	92074014

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations 200AAMS

Collection Date 7/10/92

Ice Chest No. EFSG-007

Field Logbook No. EFL-1033

Bill of Lading/Airbill No. 250986905-4

Offsite Property No. W92-0-0533-3

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Sample Identification

B06C05

3, 40ml, aG, WATER, CLP-VOA
3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
3, 1L, P, WATER, TDS, ANIONS, TSS, ALK
1, 1L, P, WATER, AMMONIA, COD (H2SO4)
1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
1, 250ml, Gs, WATER, TOX (H2SO4)
1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

B06C07

1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

B06C70

3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:	
Gilbert Gilbert	[illegible]	7-10-92	1530
Relinquished by:	Received by:	Date/Time:	
	K. Trapp / K. Trapp	7/13/92	0900
Relinquished by:	Received by:	Date/Time:	
K. Trapp / K. Trapp			
Relinquished by:	Received by:	Date/Time:	
Emery	[illegible]	7-15-92	13:45

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

-6000-407 (12/90) (EF) WEF061
.hain of Custody

9613425.1240

000014

Westinghouse Hanford Company	CHAIN OF CUSTODY	9201L014

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations 200AAMS

Collection Date 7-11-92

Ice Chest No. #1

Field Logbook No. 1032

Bill of Lading/Airbill No. 250986905-4

Offsite Property No. W92-0-0399-48

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Sample Identification

B06290
- 3, 40ml, aG, WATER, CLP-VOA
- 3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
- 1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
- 3, 1L, P, WATER, TDS, ANIONS, TSS, ALK
- 1, 1L, P, WATER, AMMONIA, COD (H2SO4)
- 1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
- 1, 250ml, Gs, WATER, TOX (H2SO4)
- 1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

06Q91
- 1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

06Q92
- 3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
[illegible] : CELGASKIT	[illegible]	7/11/92
Relinquished by:	Received by:	Date/Time:
	B. WHITON	07-13-92 09:30
Relinquished by:	Received by:	Date/Time:
B. WHITON		
Relinquished by:	Received by:	Date/Time:
Emery	[illegible]	7-15-92 13:45

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

6000-407 (12/90) (EF) WEF061
Chain of Custody

9613425.1241

0000015

Westinghouse Hanford Company	CHAIN OF CUSTODY

9207L014

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations 200AAMS

Collection Date 7-11-92

Ice Chest No. SML-120

Field Logbook No. EFL-1033

Bill of Lading/Airbill No. 250986905-4

Offsite Property No. W92-0-0399-50

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Sample Identification

B06Q56

3, 40ml, aG, WATER, CLP-VOA
3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
3, 1L, P, WATER, TDS, ANIONS, TSS, ALK
1, 1L, P, WATER, AMMONIA, COD (H2SO4)
1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
1, 250ml, Gs, WATER, TOX (H2SO4)
1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

B06Q57

1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

B06Q58

3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
GC HAMILTON	~~REFRIDGE~~ BILL WHITTEN	7-13-92 0:930
B. WHITTEN		
Emery		7-15-92 13:45

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

-6000-407 (12/90) (EF) WEF061
hain of Custody

9613425.1242

000016

Westinghouse Hanford Company	CHAIN OF CUSTODY

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Telephone (509)376-5045

Project Designation/Sampling Locations 200AAMS

Collection Date 7 11 92

Ice Chest No. N.J. Bound

Field Logbook No. EFL-1032

Bill of Lading/Airbill No. 250986905-4

Offsite Property No. W92-0-0399-48

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Sample Identification

B06CM2

3, 40ml, aG, WATER, CLP-VOA
3, 2L, aG, WATER, SEMI-VOA, PCB/PEST
1, 1L, P, WATER, ICP/AA-METAL & Hg (HNO3) UNFILTERED
3, 1L, P, WATER, TDS, ANIONS, TSS, ALK
1, 1L, P, WATER, AMMONIA, COD (H2SO4)
1, 250ml, aG, WATER, TOC(INCLUDES BICARBONATE/CARBONATE (H2SO4)
1, 250ml, Gs, WATER, TOX (H2SO4)
1, 1L, P, WATER, GROSS ALPHA/BETA, GAMMA SCAN (HNO3)

B06CM3

1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

B06CM4

3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody — Chain of Possession — (Sign and Print Names)

Relinquished by:	Received by:	Date/Time:
K.D. Lee	B.WHITEN	07/13/92 09:30
B.WHITEN		
Emery		7-15-92 10:45

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

-6000-407 (12/90) (EF) WEF061
hain of Custody

EMERY WORLDWIDE — A CF Company

9207140 14

SIGNATURE AND TALLY RECORD

60029-46 (8/89) Litho USA

DATE: 07-14-92 SHIPMENT NO.: 250986905 4

SHIPPER: WESTINGHOUSE SHIPPING DEPT (509) 376-6665

REFERENCE NO.: W92-0-039948,#49 &#50
W92-0-063381, #2 &#3

SHIPPER NAME AND ADDRESS

WESTINGHOUSE SHIPPING DEPT (509) 376-6665
G2-06 U.S. DEPARTMENT OF ENERGY C/O
WESTINGHOUSE HANFORD COMPANY
2355 STEVENS DRIVE 1163 BUILDING
PO BOX 1970
RICHLAND WA 99352

CONSIGNEE NAME AND ADDRESS

JOSIE KING
RF WESTON INC
208 WELSH POOL ROAD
LIONVILLE PA 19341

Pieces	Weight	Description/Marks	Emery Authorization No.
11	840 LBS	COOLERS WATER SAMPLES 828, 79, 71,76,75,76,70,83,71,79,78	

EACH PERSON HANDLING OR TAKING CUSTODY OF THIS SHIPMENT MUST SIGN AND COMPLETE THE INFORMATION BELOW

Name of Person/Company	Transship Point/Destination	Signature of Person Accepting Custody	Time/Date
1.			
2.			
3.			7/14/92
4.			
5.			
6. B WATSON	PHL		7/15
7. R Bhowarth	PHL		7/15
8.	NASHVILLE		7/15/92

SPECIAL HANDLING INSTRUCTIONS

CONSIGNEE COPY

9613425.1243

0000017

Roy F. Weston, Inc. - Lionville Laboratory
Volatiles by GC/MS, HSL List

RFW Batch Number: 9207L014 | Client: WESTINGHOUSE HANFORD | Work Order: 6168-02-01-0000 | Report Date: 08/13/92 16:01 | Page: 1a

	Cust ID:	B06PY7	B06PY9	B06PX2	B06PX2	B06PX4	B06ZQ1
Sample Information	RFW#:	001	003	004	004 DL	006	007
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	2.00	1.00	1.00
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Surrogate Recovery	Toluene-d8	91 %	93 %	92 %	99 %	93 %	89 %
	Bromofluorobenzene	96 %	97 %	92 %	103 %	97 %	95 %
	1,2-Dichloroethane-d4	99 %	103 %	89 %	113 %	105 %	102 %
Chloromethane		10 U	10 U	10 U	NA	10 U	10 U
Bromomethane		10 U	10 U	10 U	NA	10 U	10 U
Vinyl Chloride		10 U	10 U	10 U	NA	10 U	10 U
Chloroethane		10 U	10 U	10 U	NA	10 U	10 U
Methylene Chloride		12 B	14 B	12 B	NA	11 B	10 B
Acetone		13 B	10 U	10 U	NA	10 U	8 JB
Carbon Disulfide		5 U	5 U	5 U	NA	5 U	5 U
1,1-Dichloroethene		5 U	5 U	5 U	NA	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	NA	5 U	5 U
1,2-Dichloroethene (total)		5 U	5 U	5 U	NA	5 U	5 U
Chloroform		5 U	5 U	3 J	NA	5 U	5 U
1,2-Dichloroethane		5 U	5 U	5 U	NA	5 U	5 U
2-Butanone		10 U	10 U	10 U	NA	10 U	10 U
1,1,1-Trichloroethane		5 U	5 U	5 U	NA	5 U	5 U
Carbon Tetrachloride		5 U	5 U	E	240	5 U	5 U
Vinyl Acetate		10 U	10 U	10 U	NA	10 U	10 U
Bromodichloromethane		5 U	5 U	5 U	NA	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	NA	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	NA	5 U	5 U
Trichloroethene		5 U	5 U	2 J	NA	5 U	5 U
Dibromochloromethane		5 U	5 U	5 U	NA	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	NA	5 U	5 U
Benzene		5 U	5 U	5 U	NA	5 U	5 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	NA	5 U	5 U
Bromoform		5 U	5 U	5 U	NA	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	10 U	NA	10 U	10 U
2-Hexanone		10 U	10 U	10 U	NA	10 U	10 U
Tetrachloroethene		5 U	5 U	5 U	NA	5 U	5 U
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	NA	5 U	5 U

*= Outside of EPA CLP QC limits.

9613425.1244
000019

Cust ID:	B06PY7	B06PY9	B06PX2	B06PX2	B06PX4	B06ZQ1
RFW#:	001	003	004	004 DL	006	007
Toluene	5 U	5 U	5 U	NA	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	NA	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	NA	5 U	5 U
Styrene	5 U	5 U	5 U	NA	5 U	5 U
Xylene (total)	5 U	5 U	5 U	NA	5 U	5 U

*= Outside of EPA CLP QC limits.

9613425.1245 0000020

Roy F. Weston, Inc. - Lionville Laboratory
Volatiles by GC/MS, HSL List

RFW Batch Number: 9207L014 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Report Date: 08/13/92 16:01 Page: 2a

	Cust ID:	B06ZQ3		B06Q08		B06Q10		B06Q14		B06Q16		B06Q59	
Sample Information	RFW#:	009		010		012		013		015		016	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
	Units:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Surrogate Recovery	Toluene-d8	89	%	90	%	93	%	91	%	93	%	93	%
	Bromofluorobenzene	90	%	92	%	95	%	93	%	92	%	90	%
	1,2-Dichloroethane-d4	96	%	103	%	106	%	105	%	103	%	89	%
			fl		fl		fl		fl		fl		fl
Chloromethane		10	U	10	U	10	U	10	U	10	U	10	U
Bromomethane		10	U	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride		10	U	10	U	10	U	10	U	10	U	10	U
Chloroethane		10	U	10	U	10	U	10	U	10	U	10	U
Methylene Chloride		11	B	8	B	8	B	6	B	6	B	6	B
Acetone		13		10	U	2	J	10	U	10	U	10	U
Carbon Disulfide		5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene		5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane		5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)		5	U	5	U	5	U	5	U	5	U	5	U
Chloroform		5	U	5	U	5	U	5	U	5	U	3	J
1,2-Dichloroethane		5	U	5	U	5	U	5	U	5	U	5	U
2-Butanone		10	U	10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane		5	U	5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride		5	U	5	U	5	U	5	U	5	U		E
Vinyl Acetate		10	U	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane		5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane		5	U	5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		5	U	5	U	5	U	5	U	5	U	5	U
Trichloroethene		5	U	5	U	5	U	5	U	5	U	5	
Dibromochloromethane		5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane		5	U	5	U	5	U	5	U	5	U	5	U
Benzene		5	U	5	U	5	U	5	U	5	U	5	U
Trans-1,3-Dichloropropene		5	U	5	U	5	U	5	U	5	U	5	U
Bromoform		5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone		10	U	10	U	10	U	10	U	10	U	10	U
2-Hexanone		10	U	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene		5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane		5	U	5	U	5	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

9613425.1246
000027

Cust ID:	B06ZQ3	B06Q08	B06Q10	B06Q14	B06Q16	B06Q59
RFW#:	009	010	012	013	015	016
Toluene	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

9613425.1247
000022

Roy F. Weston, Inc. - Lionville Laboratory
Volatiles by GC/MS, HSL List

Report Date: 08/13/92 16:01

RFW Batch Number: 9207L014 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Page: 3a

	Cust ID:	B06Q59		B06Q61		B06Q62		B06Q64		B06Q64		B06Q64	
Sample Information	RFW#:	016 DL		018		019		021		021 MS		021 MSD	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	2.00		1.00		1.00		1.00		1.00		1.00	
	Units:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Surrogate Recovery	Toluene-d8	89	%	91	%	100	%	96	%	99	%	91	%
	Bromofluorobenzene	89	%	92	%	101	%	98	%	103	%	94	%
	1,2-Dichloroethane-d4	102	%	105	%	113	%	110	%	108	%	106	%
			fl		fl		fl		fl		fl		fl
Chloromethane		NA		10	U	10	U	10	U	10	U	10	U
Bromomethane		NA		10	U	10	U	10	U	10	U	10	U
Vinyl Chloride		NA		10	U	10	U	10	U	10	U	10	U
Chloroethane		NA		10	U	10	U	10	U	10	U	10	U
Methylene Chloride		NA		7	B	1	JB	3	JB	7	B	7	B
Acetone		NA		10	U	10	U	10	U	10	U	10	U
Carbon Disulfide		NA		5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene		NA		5	U	5	U	5	U	77	%	68	%
1,1-Dichloroethane		NA		5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)		NA		5	U	5	U	5	U	5	U	5	U
Chloroform		NA		5	U	3	J	5	U	5	U	5	U
1,2-Dichloroethane		NA		5	U	5	U	5	U	5	U	5	U
2-Butanone		NA		10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane		NA		5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride		370		5	U	140		5	U	5	U	5	U
Vinyl Acetat		NA		10	U	10	U	10	U	10	U	10	U
Bromodichloromethane		NA		5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane		NA		5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		NA		5	U	5	U	5	U	5	U	5	U
Trichloroethene		NA		5	U	5	U	5	U	113	%	101	%
Dibromochloromethane		NA		5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane		NA		5	U	5	U	5	U	5	U	5	U
Benzene		NA		5	U	5	U	5	U	102	%	91	%
Trans-1,3-Dichloropropene		NA		5	U	5	U	5	U	5	U	5	U
Bromoform		NA		5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone		NA		10	U	10	U	10	U	10	U	10	U
2-Hexanone		NA		10	U	10	U	10	U	10	U	10	U
Tetrachloroethene		NA		5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane		NA		5	U	5	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

9613425.1248
000023

Cust ID:	B06Q59	B06Q61	B06Q62	B06Q64	B06Q64	B06Q64
RFW#:	016 DL	018	019	021	021 MS	021 MSD
Toluene	NA	5 U	5 U	5 U	100 %	90 %
Chlorobenzene	NA	5 U	5 U	5 U	106 %	94 %
Ethylbenzene	NA	5 U	5 U	5 U	5 U	5 U
Styrene	NA	5 U	5 U	5 U	5 U	5 U
Xylene (total)	NA	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

9617425.1249

000022

Roy F. Weston, Inc. - Lionville Laboratory
Volatiles by GC/MS, HSL List

RFW Batch Number: 9207L014 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Report Date: 08/13/92 16:01 Page: 4a

	Cust ID:	B06Q68		B06Q68		B06Q70		B06Q80		B06Q82		B06Q86	
Sample Information	RFW#:	022		022 DL		024		025		027		028	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		5.00		1.00		1.00		1.00		1.00	
	Units:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Surrogate Recovery	Toluene-d8	92	%	92	%	98	%	92	%	96	%	93	%
	Bromofluorobenzene	92	%	89	%	99	%	87	%	98	%	96	%
	1,2-Dichloroethane-d4	108	%	103	%	111	%	100	%	110	%	108	%
			fl		fl		fl		fl		fl		fl
Chloromethane		10	U	NA		10	U	10	U	10	U	10	U
Bromomethane		10	U	NA		10	U	10	U	10	U	10	U
Vinyl Chloride		10	U	NA		10	U	10	U	10	U	10	U
Chloroethane		10	U	NA		10	U	10	U	10	U	10	U
Methylene Chloride		12	B	NA		6	B	7	B	7	B	11	B
Acetone		10	U	NA		10	U	10	U	10	U	10	U
Carbon Disulfide		5	U	NA		5	U	5	U	5	U	5	U
1,1-Dichloroethene		5	U	NA		5	U	5	U	5	U	5	U
1,1-Dichloroethane		5	U	NA		5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)		5	U	NA		5	U	5	U	5	U	5	U
Chloroform		32		NA		5	U	2	J	5	U	4	J
1,2-Dichloroethane		5	U	NA		5	U	5	U	5	U	5	U
2-Butanone		10	U	NA		10	U	10	U	10	U	10	U
1,1,1-Trichloroethane		5	U	NA		5	U	5	U	5	U	5	U
Carbon Tetrachloride			E	560		5	U	83		5	U		E
Vinyl Acetate		10	U	NA		10	U	10	U	10	U	10	U
Bromodichloromethane		5	U	NA		5	U	5	U	5	U	5	U
1,2-Dichloropropane		5	U	NA		5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		5	U	NA		5	U	5	U	5	U	5	U
Trichloroethene		5	U	NA		5	U	5	U	5	U	5	U
Dibromochloromethane		5	U	NA		5	U	5	U	5	U	5	U
1,1,2-Trichloroethane		5	U	NA		5	U	5	U	5	U	5	U
Benzene		5	U	NA		5	U	5	U	5	U	5	U
Trans-1,3-Dichloropropene		5	U	NA		5	U	5	U	5	U	5	U
Bromoform		5	U	NA		5	U	5	U	5	U	5	U
4-Methyl-2-pentanone		10	U	NA		10	U	10	U	10	U	10	U
2-Hexanone		10	U	NA		10	U	10	U	10	U	10	U
Tetrachloroethene		5	U	NA		5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane		5	U	NA		5	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

000025
9213425.1250

Cust ID:	B06Q68	B06Q68	B06Q70	B06Q80	B06Q82	B06Q86
RFW#:	022	022 DL	024	025	027	028
Toluene	5 U	NA	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	NA	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	NA	5 U	5 U	5 U	5 U
Styrene	5 U	NA	5 U	5 U	5 U	5 U
Xylene (total)	5 U	NA	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

9613425.1251
0000028

Roy F. Weston, Inc. - Lionville Laboratory
Volatiles by GC/MS, HSL List

RFW Batch Number: 9207L014 | Client: WESTINGHOUSE HANFORD | Work Order: 6168-02-01-0000 | Report Date: 08/13/92 16:01 | Page: 5a

	Cust ID:	B06Q86	B06Q88	B06Q92	B06Q94	VBLK	VBLK
Sample Information	RFW#:	028 DL	030	031	033	92LVB124-MB1	92LVB126-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	2.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Surrogate Recovery	Toluene-d8	96 %	98 %	94 %	96 %	95 %	96 %
	Bromofluorobenzene	94 %	97 %	97 %	99 %	95 %	96 %
	1,2-Dichloroethane-d4	106 %	97 %	109 %	112 %	100 %	109 %
Chloromethane		NA	10 U	10 U	10 U	10 U	10 U
Bromomethane		NA	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride		NA	10 U	10 U	10 U	10 U	10 U
Chloroethane		NA	10 U	10 U	10 U	10 U	10 U
Methylene Chloride		NA	15 B	8 B	11 B	8	9
Acetone		NA	10 U	10 U	10 U	19	10 U
Carbon Disulfide		NA	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		NA	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		NA	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)		NA	5 U	5 U	5 U	5 U	5 U
Chloroform		NA	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		NA	5 U	5 U	5 U	5 U	5 U
2-Butanone		NA	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		NA	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride		210	5 U	16	5 U	5 U	5 U
Vinyl Acetate		NA	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		NA	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		NA	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		NA	5 U	5 U	5 U	5 U	5 U
Trichloroethene		NA	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane		NA	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		NA	5 U	5 U	5 U	5 U	5 U
Benzene		NA	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene		NA	5 U	5 U	5 U	5 U	5 U
Bromoform		NA	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		NA	10 U	10 U	10 U	10 U	10 U
2-Hexanone		NA	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene		NA	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane		NA	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

000027
96/3425.1252

Cust ID:	B06Q86	B06Q88	B06Q92	B06Q94	VBLK	VBLK
RFW#:	028 DL	030	031	033	92LVB124-MB1	92LVB126-MB1
Toluene	NA	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	NA	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	NA	5 U	5 U	5 U	5 U	5 U
Styrene	NA	5 U	5 U	5 U	5 U	5 U
Xylene (total)	NA	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

9613425.1253
0000028

9613425.1254

1A

VOLATILE ORGANICS ANALYSIS SHEET 000052

CLIENT SAMPLE NO.

B06PY7

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-001

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

Lab File ID: B072114

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/21/92

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	12	B
67-64-1	Acetone	13	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

9613425.1255

1E

0000053

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PY7

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-001

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

Lab File ID: B072114

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/21/92

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.				

9613425.1256

1A

VOLATILE ORGANICS ANALYSIS SHEET 000060

CLIENT SAMPLE NO.

B06PY9

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-003

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

Lab File ID: B072115

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/21/92

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	14	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	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

9613425.1257

1E

VOLATILE ORGANICS ANALYSIS SHEET 000061

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PY9

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-003

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

Lab File ID: B072115

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/21/92

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.				

9613425.1258

1A

VOLATILE ORGANICS ANALYSIS SHEET 0 0 0 0 6 6

CLIENT SAMPLE NO.

B06PX2

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-004

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

Lab File ID: B072116

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/21/92

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	12	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	3	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		E
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	2	J
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

9613425.1259

1E

VOLATILE ORGANICS ANALYSIS SHEET 000067

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PX2

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-004

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

Lab File ID: B072116

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/21/92

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.				

9613425.1260

1A

VOLATILE ORGANICS ANALYSIS SHEET 0000079

CLIENT SAMPLE NO.

B06PX2DL

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-004 DL

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

Lab File ID: B072317

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

Column: (pack/cap) CAP

Dilution Factor: 2.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	NA	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	NA	
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	NA	
107-06-2	1,2-Dichloroethane	NA	
78-93-3	2-Butanone	NA	
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	240	
108-05-4	Vinyl Acetate	NA	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	NA	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	NA	
10061-02-6	Trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	NA	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	NA	
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	

9613425.1261

1A

VOLATILE ORGANICS ANALYSIS SHEET 000085

CLIENT SAMPLE NO.

B06PX4

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-006

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

Lab File ID: B072117

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/21/92

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	11	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	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

9613425.1262

1E

CLIENT SAMPLE NO.

B06PX4

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: 9207L014-006

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

Lab File ID: B072117

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/21/92

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.				

9613425.1263

1A

VOLATILE ORGANICS ANALYSIS SHEET 000092

CLIENT SAMPLE NO.

B06ZQ1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-007

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

Lab File ID: B072118

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/21/92

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	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

9613425.1264

IE 000093

CLIENT SAMPLE NO.

B06ZQ1

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: 9207L014-007

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

Lab File ID: B072118

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/21/92

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.				

9613425.1265

1A

VOLATILE ORGANICS ANALYSIS SHEET 000101

CLIENT SAMPLE NO.

B06ZQ3

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-009

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

Lab File ID: B072207

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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	11	B
67-64-1	Acetone	13	
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

CLIENT SAMPLE NO.

B06ZQ3

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: 9207L014-009

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

Lab File ID: B072207

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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.				

9613425.1267

1A

VOLATILE ORGANICS ANALYSIS SHEET 000110

CLIENT SAMPLE NO.

B06Q08

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-010

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

Lab File ID: B072208

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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	8	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	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

9613425.1268

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q08

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-010

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

Lab File ID: B072208

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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.				

9613425.1269

1A

VOLATILE ORGANICS ANALYSIS SHEET 000117

CLIENT SAMPLE NO.

B06Q10

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-012

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

Lab File ID: B072209

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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	8	B
67-64-1	Acetone	2	J
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

9613425.1270

1E

000118

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q10

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-012

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

Lab File ID: B072209

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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.				

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9613425.1271

1A

VOLATILE ORGANICS ANALYSIS SHEET 000124

CLIENT SAMPLE NO.

B06Q14

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-013

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

Lab File ID: B072210

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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	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

9613425.1272

1E

000125

CLIENT SAMPLE NO.

B06Q14

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: 9207L014-013

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

Lab File ID: B072210

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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.				

9613425.1273

1A

VOLATILE ORGANICS ANALYSIS SHEET 000131

CLIENT SAMPLE NO.

B06Q16

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-015

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

Lab File ID: B072211

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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	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

9613425.1274

1E

000132

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q16

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-015

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

Lab File ID: B072211

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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.				

9613425.1275

1A

VOLATILE ORGANICS ANALYSIS SHEET 000138

CLIENT SAMPLE NO.

B06Q59

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-016

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

Lab File ID: B072212

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	3	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		E
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	
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

9613425.1276

1E

VOLATILE ORGANICS ANALYSIS SHEET 000139
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q59

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-016

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

Lab File ID: B072212

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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.				

9613425.1277

1A

VOLATILE ORGANICS ANALYSIS SHEET 8 0 0 1 5 1

CLIENT SAMPLE NO.

B06Q59DL

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-016 DL

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

Lab File ID: B072410

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/24/92

Column: (pack/cap) CAP

Dilution Factor: 2.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	NA	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	NA	
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	NA	
107-06-2	1,2-Dichloroethane	NA	
78-93-3	2-Butanone	NA	
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	370	
108-05-4	Vinyl Acetate	NA	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	NA	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	NA	
10061-02-6	Trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	NA	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	NA	
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	

9613425.1278

1A

VOLATILE ORGANICS ANALYSIS SHEET

0000157

CLIENT SAMPLE NO.

B06Q61

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-018

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

Lab File ID: B072213

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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	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	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

9613425.1279

1E

0000158

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q61

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-018

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

Lab File ID: B072213

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/22/92

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.

9613425.1280

1A

VOLATILE ORGANICS ANALYSIS SHEET

000163

CLIENT SAMPLE NO.

B06Q62

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-019

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

Lab File ID: B072305

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

Column: (pack/cap) CAP

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	
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	1	JB
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	3	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	140	
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

9613425.1281

1E

0000164

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q62

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-019

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

Lab File ID: B072305

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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.				

9613425.1282

1A

0000174

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q64

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-021

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

Lab File ID: B072306

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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	3	JB
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	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

9613425.1283

1E

0000175

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q64

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-021

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

Lab File ID: B072306

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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.				

9613425.1284

1A

VOLATILE ORGANICS ANALYSIS SHEET

000181

CLIENT SAMPLE NO.

B06Q68

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-022

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

Lab File ID: B072307

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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	12	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	32	
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		E
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

9613425.1285

1E

VOLATILE ORGANICS ANALYSIS SHEET 000182

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q68

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-022

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

Lab File ID: B072307

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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.				

9613425.1286

1A

000192

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q68DL

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-022 DL

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

Lab File ID: B072414

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/24/92

Column: (pack/cap) CAP

Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	NA	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	NA	
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	NA	
107-06-2	1,2-Dichloroethane	NA	
78-93-3	2-Butanone	NA	
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	560	
108-05-4	Vinyl Acetate	NA	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	NA	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	NA	
10061-02-6	Trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	NA	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	NA	
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	

9613425.1287

1A

VOLATILE ORGANICS ANALYSIS SHEET 000198

CLIENT SAMPLE NO.

B06Q70

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-024

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

Lab File ID: B072309

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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	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

9613425.1288 IE 0000199

CLIENT SAMPLE NO.

B06Q70

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: 9207L014-024

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

Lab File ID: B072309

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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.				

9613425.1289

1A

VOLATILE ORGANICS ANALYSIS SHEET 000205

CLIENT SAMPLE NO.

B06Q80

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-025

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

Lab File ID: B072412

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/24/92

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	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	83	
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

9613425.1290

1E

000208

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q80

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-025

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

Lab File ID: B072412

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/24/92

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.				

9613425.1291

1A

VOLATILE ORGANICS ANALYSIS SHEET 0000216

CLIENT SAMPLE NO.

B06Q82

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L01A-027

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

Lab File ID: B072312

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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	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	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

9613425.1292

1E

0000217

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q82

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-027

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

Lab File ID: B072312

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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.				

9613425.1293

1A

VOLATILE ORGANICS ANALYSIS SHEET 000223

CLIENT SAMPLE NO.

B06Q86

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-028

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

Lab File ID: B072313

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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	11	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	4	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		E
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

9613425.1294

1E

000224

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q86

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-028

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

Lab File ID: B072313

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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.				

9613425.1295

1A

VOLATILE ORGANICS ANALYSIS SHEET 000234

CLIENT SAMPLE NO.

B06Q86DL

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-028 DL

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

Lab File ID: B072413

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/24/92

Column: (pack/cap) CAP

Dilution Factor: 2.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	NA	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	NA	
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	NA	
107-06-2	1,2-Dichloroethane	NA	
78-93-3	2-Butanone	NA	
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	210	
108-05-4	Vinyl Acetate	NA	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	NA	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	NA	
10061-02-6	Trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	NA	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	NA	
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	

9613425.1296

1A

VOLATILE ORGANICS ANALYSIS SHEET 000240

CLIENT SAMPLE NO.

B06Q88

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-030

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: B072314

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ Date Analyzed: 07/23/92

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	15	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	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

9613425.1297

1E

000241

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q88

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-030

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

Lab File ID: B072314

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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.				

9613425.1298

1A

0000247

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q92

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-031

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

Lab File ID: B072315

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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	8	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	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	16	
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

9613425.1299

1E

000248

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q92

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-031

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

Lab File ID: B072315

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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.				

9613425.1300

1A

VOLATILE ORGANICS ANALYSIS SHEET 000256

CLIENT SAMPLE NO.

B06Q94

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-033

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

Lab File ID: B072316

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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	11	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	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

9613425.1301 1A 000258

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q94

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-03

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

Lab File ID: B072316

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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	11	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	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

9613425.1302

1E

0000257

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q94

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-033

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

Lab File ID: B072316

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____

Date Analyzed: 07/23/92

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.				

Roy F. Weston, Inc. - Lionville Laboratory
Semivolatiles by GC/MS, HSL List

RFW Batch Number: 9207L014 | Client: WESTINGHOUSE HANFORD | Work Order: 6168-02-01-0000 | Report Date: 09/01/92 12:21 | Page: 1a

	Cust ID:	B06PY7		B06PY7		B06PY7		B06PX2		B06ZQ1		B06Q08	
Sample Information	RFW#:	001		001 MS		001 MSD		004		007		010	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
	Units:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Surrogate Recovery	Nitrobenzene-d5	38	%	38	%	41	%	45	%	45	%	39	%
	2-Fluorobiphenyl	50	%	51	%	52	%	59	%	56	%	53	%
	p-Terphenyl-d14	73	%	82	%	70	%	70	%	73	%	69	%
	Phenol-d5	56	%	59	%	54	%	56	%	55	%	60	%
	2-Fluorophenol	51	%	53	%	48	%	44	%	48	%	48	%
	2,4,6-Tribromophenol	82	%	87	%	82	%	91	%	80	%	77	%
			fl		fl		fl		fl		fl		fl
Phenol		10	U	53	%	47	%	10	U	10	U	10	U
bis(2-Chloroethyl)ether		10	U	10	U	10	U	10	U	10	U	10	U
2-Chlorophenol		10	U	54	%	50	%	10	U	10	U	10	U
1,3-Dichlorobenzene		10	U	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene		10	U	39	%	38	%	10	U	10	U	10	U
Benzyl alcohol		10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene		10	U	10	U	10	U	10	U	10	U	10	U
2-Methylphenol		10	U	10	U	10	U	10	U	10	U	10	U
bis(2-Chloroisopropyl)ether		10	U	10	U	10	U	10	U	10	U	10	U
4-Methylphenol		10	U	10	U	10	U	10	U	10	U	10	U
N-Nitroso-Di-n-propylamine		10	U	43	%	43	%	10	U	10	U	10	U
Hexachloroethane		10	U	10	U	10	U	10	U	10	U	10	U
Nitrobenzene		10	U	10	U	10	U	10	U	10	U	10	U
Isophorone		10	U	10	U	10	U	10	U	10	U	10	U
2-Nitrophenol		10	U	10	U	10	U	10	U	10	U	10	U
2,4-Dimethylphenol		10	U	10	U	10	U	10	U	10	U	10	U
Benzoic acid		50	U	50	U	50	U	50	U	50	U	50	U
bis(2-Chloroethoxy)methane		10	U	10	U	10	U	10	U	10	U	10	U
2,4-Dichlorophenol		10	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene		10	U	46	%	42	%	10	U	10	U	10	U
Naphthalene		10	U	10	U	10	U	10	U	10	U	10	U
4-Chloroaniline		10	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobutadiene		10	U	10	U	10	U	10	U	10	U	10	U
4-Chloro-3-methylphenol		10	U	67	%	59	%	10	U	10	U	10	U
2-Methylnaphthalene		10	U	10	U	10	U	10	U	10	U	10	U
Hexachlorocyclopentadiene		10	U	10	U	10	U	10	U	10	U	10	U

*= Outside of EPA CLP QC limits.

9613425.1303
000019

RFW Batch Number: 9207L014 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000

Cust ID:	B06PY7		B06PY7		B06PY7		B06PX2		B06ZQ1		B06Q08	
RFW#:	001		001 MS		001 MSD		004		007		010	
2,4,6-Trichlorophenol	10	U	10	U	10	U	10	U	10	U	10	U
2,4,5-Trichlorophenol	50	U	50	U	50	U	50	U	50	U	50	U
2-Chloronaphthalene	10	U	10	U	10	U	10	U	10	U	10	U
2-Nitroaniline	50	U	50	U	50	U	50	U	50	U	50	U
Dimethylphthalate	10	U	10	U	10	U	10	U	10	U	10	U
Acenaphthylene	10	U	10	U	10	U	10	U	10	U	10	U
2,6-Dinitrotoluene	10	U	10	U	10	U	10	U	10	U	10	U
3-Nitroaniline	50	U	50	U	50	U	50	U	50	U	50	U
Acenaphthene	10	U	57	%	57	%	10	U	10	U	10	U
2,4-Dinitrophenol	50	U	50	U	50	U	50	U	50	U	50	U
4-Nitrophenol	50	U	65	%	60	%	50	U	50	U	50	U
Dibenzofuran	10	U	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene	10	U	73	%	71	%	10	U	10	U	10	U
Diethylphthalate	10	U	10	U	10	U	10	U	2	J	10	U
4-Chlorophenyl-phenylether	10	U	10	U	10	U	10	U	10	U	10	U
Fluorene	10	U	10	U	10	U	10	U	10	U	10	U
4-Nitroaniline	50	U	50	U	50	U	50	U	50	U	50	U
4,6-Dinitro-2-methylphenol	50	U	50	U	50	U	50	U	50	U	50	U
N-Nitrosodiphenylamine (1)	10	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl-phenylether	10	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
Pentachlorophenol	50	U	29	%	28	%	50	U	50	U	50	U
Phenanthrene	10	U	10	U	10	U	10	U	10	U	10	U
Anthracene	10	U	10	U	10	U	10	U	10	U	10	U
Di-n-Butylphthalate	1	JB	4	JB	2	JB	2	JB	3	JB	3	JB
Fluoranthene	10	U	10	U	10	U	10	U	10	U	10	U
Pyrene	10	U	105	%	94	%	10	U	10	U	10	U
Butylbenzylphthalate	10	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	20	U	20	U	20	U	20	U	20	U	20	U
Benzo(a)anthracene	10	U	10	U	10	U	10	U	10	U	10	U
Chrysene	10	U	10	U	10	U	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	14	B	32	B	23	B	42	B	13	B	27	B
Di-n-Octyl phthalate	10	U	10	U	10	U	10	U	10	U	10	U
Benzo(b)fluoranthene	10	U	10	U	10	U	10	U	10	U	10	U
Benzo(k)fluoranthene	10	U	10	U	10	U	10	U	10	U	10	U
Benzo(a)pyrene	10	U	10	U	10	U	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	10	U	10	U	10	U	10	U	10	U	10	U
Dibenzo(a,h)anthracene	10	U	10	U	10	U	10	U	10	U	10	U
Benzo(g,h,i)perylene	10	U	10	U	10	U	10	U	10	U	10	U

(1) - Cannot be separated from Diphenylamine. *= Outside of EPA CLP QC limits.

000020

9613425.1304

Roy F. Weston, Inc. - Lionville Laboratory
Semivolatiles by GC/MS, HSL List

RFW Batch Number: 9207L014 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Report Date: 09/01/92 12:21 Page: 2a

	Cust ID:	B06Q14		B06Q59		B06Q62		B06Q68		B06Q80		B06Q86	
Sample Information	RFW#:	013		016		019		022		025		028	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
	Units:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Surrogate Recovery	Nitrobenzene-d5	40	%	41	%	38	%	40	%	75	%	75	%
	2-Fluorobiphenyl	51	%	52	%	51	%	55	%	88	%	80	%
	p-Terphenyl-d14	85	%	79	%	85	%	78	%	121	%	116	%
	Phenol-d5	58	%	59	%	52	%	49	%	74	%	79	%
	2-Fluorophenol	53	%	45	%	45	%	41	%	63	%	68	%
	2,4,6-Tribromophenol	90	%	75	%	73	%	79	%	77	%	75	%
Phenol		10	U	10	U	10	U	10	U	10	U	10	U
bis(2-Chloroethyl)ether		10	U	10	U	10	U	10	U	10	U	10	U
2-Chlorophenol		10	U	10	U	10	U	10	U	10	U	10	U
1,3-Dichlorobenzene		10	U	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene		10	U	10	U	10	U	10	U	10	U	10	U
Benzyl alcohol		10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene		10	U	10	U	10	U	10	U	10	U	10	U
2-Methylphenol		10	U	10	U	10	U	10	U	10	U	10	U
bis(2-Chloroisopropyl)ether		10	U	10	U	10	U	10	U	10	U	10	U
4-Methylphenol		10	U	10	U	10	U	10	U	10	U	10	U
N-Nitroso-Di-n-propylamine		10	U	10	U	10	U	10	U	10	U	10	U
Hexachloroethane		10	U	10	U	10	U	10	U	10	U	10	U
Nitrobenzene		10	U	10	U	10	U	10	U	10	U	10	U
Isophorone		10	U	10	U	10	U	10	U	10	U	10	U
2-Nitrophenol		10	U	10	U	10	U	10	U	10	U	10	U
2,4-Dimethylphenol		10	U	10	U	10	U	10	U	10	U	10	U
Benzoic acid		50	U	50	U	50	U	50	U	50	U	50	U
bis(2-Chloroethoxy)methane		10	U	10	U	10	U	10	U	10	U	10	U
2,4-Dichlorophenol		10	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene		10	U	10	U	10	U	10	U	10	U	10	U
Naphthalene		10	U	10	U	10	U	10	U	10	U	10	U
4-Chloroaniline		10	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobutadiene		10	U	10	U	10	U	10	U	10	U	10	U
4-Chloro-3-methylphenol		10	U	10	U	10	U	10	U	10	U	10	U
2-Methylnaphthalene		10	U	10	U	10	U	10	U	10	U	10	U
Hexachlorocyclopentadiene		10	U	10	U	10	U	10	U	10	U	10	U

*= Outside of EPA CLP QC limits.

00002 9
96174425.1305

Cust ID:	B06Q14		B06Q59		B06Q62		B06Q68		B06Q80		B06Q86	
RFW#:	013		016		019		022		025		028	
2,4,6-Trichlorophenol	10	U	10	U	10	U	10	U	10	U	10	U
2,4,5-Trichlorophenol	50	U	50	U	50	U	50	U	50	U	50	U
2-Chloronaphthalene	10	U	10	U	10	U	10	U	10	U	10	U
2-Nitroaniline	50	U	50	U	50	U	50	U	50	U	50	U
Dimethylphthalate	10	U	10	U	10	U	10	U	10	U	10	U
Acenaphthylene	10	U	10	U	10	U	10	U	10	U	10	U
2,6-Dinitrotoluene	10	U	10	U	10	U	10	U	10	U	10	U
3-Nitroaniline	50	U	50	U	50	U	50	U	50	U	50	U
Acenaphthene	10	U	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrophenol	50	U	50	U	50	U	50	U	50	U	50	U
4-Nitrophenol	50	U	50	U	50	U	50	U	50	U	50	U
Dibenzofuran	10	U	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene	10	U	10	U	10	U	10	U	10	U	10	U
Diethylphthalate	10	U	2	J	10	U	10	U	10	U	10	U
4-Chlorophenyl-phenylether	10	U	10	U	10	U	10	U	10	U	10	U
Fluorene	10	U	10	U	10	U	10	U	10	U	10	U
4-Nitroaniline	50	U	50	U	50	U	50	U	50	U	50	U
4,6-Dinitro-2-methylphenol	50	U	50	U	50	U	50	U	50	U	50	U
N-Nitrosodiphenylamine (1)	10	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl-phenylether	10	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
Pentachlorophenol	50	U	50	U	50	U	50	U	50	U	50	U
Phenanthrene	10	U	10	U	10	U	10	U	10	U	10	U
Anthracene	10	U	10	U	10	U	10	U	10	U	10	U
Di-n-Butylphthalate	4	JB	6	JB	5	JB	4	JB	6	JB	4	JB
Fluoranthene	10	U	10	U	10	U	10	U	10	U	10	U
Pyrene	10	U	10	U	10	U	10	U	10	U	10	U
Butylbenzylphthalate	10	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	20	U	20	U	20	U	20	U	20	U	20	U
Benzo(a)anthracene	10	U	10	U	10	U	10	U	10	U	10	U
Chrysene	10	U	10	U	10	U	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	32	B	20	B	33	B	28	B	40	B	18	B
Di-n-Octyl phthalate	10	U	10	U	10	U	10	U	10	U	10	U
Benzo(b)fluoranthene	10	U	10	U	10	U	10	U	10	U	10	U
Benzo(k)fluoranthene	10	U	10	U	10	U	10	U	10	U	10	U
Benzo(a)pyrene	10	U	10	U	10	U	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	10	U	10	U	10	U	10	U	10	U	10	U
Dibenzo(a,h)anthracene	10	U	10	U	10	U	10	U	10	U	10	U
Benzo(g,h,i)perylene	10	U	10	U	10	U	10	U	10	U	10	U

(1) - Cannot be separated from Diphenylamine. *= Outside of EPA CLP QC limits.

9613425.1306

Roy F. Weston, Inc. - Lionville Laboratory
Semivolatiles by GC/MS, HSL List

RFW Batch Number: 9207L014 | Client: WESTINGHOUSE HANFORD | Work Order: 6168-02-01-0000 | Report Date: 09/01/92 12:21 | Page: 3a

	Cust ID:	B06Q92		SBLK		SBLK BS	
Sample Information	RFW#:	031		92LE1091-MB1		92LE1091-MB1	
	Matrix:	WATER		WATER		WATER	
	D.F.:	1.00		1.00		1.00	
	Units:	ug/L		ug/L		ug/L	
Surrogate Recovery	Nitrobenzene-d5	65	%	41	%	42	%
	2-Fluorobiphenyl	71	%	56	%	63	%
	p-Terphenyl-d14	89	%	78	%	98	%
	Phenol-d5	27	%	55	%	53	%
	2-Fluorophenol	12 *	%	45	%	44	%
	2,4,6-Tribromophenol	10	%	71	%	86	%
			fl		fl		fl
Phenol		1	J	10	U	49	%
bis(2-Chloroethyl)ether		10	U	10	U	10	U
2-Chlorophenol		10	U	10	U	53	%
1,3-Dichlorobenzene		10	U	10	U	10	U
1,4-Dichlorobenzene		10	U	10	U	41	%
Benzyl alcohol		10	U	10	U	10	U
1,2-Dichlorobenzene		10	U	10	U	10	U
2-Methylphenol		10	U	10	U	10	U
bis(2-Chloroisopropyl)ether		10	U	10	U	10	U
4-Methylphenol		10	U	10	U	10	U
N-Nitroso-Di-n-propylamine		10	U	10	U	53	%
Hexachloroethane		10	U	10	U	10	U
Nitrobenzene		10	U	10	U	10	U
Isophorone		10	U	10	U	10	U
2-Nitrophenol		10	U	10	U	10	U
2,4-Dimethylphenol		10	U	10	U	10	U
Benzoic acid		50	U	50	U	50	U
bis(2-Chloroethoxy)methane		10	U	10	U	10	U
2,4-Dichlorophenol		10	U	10	U	10	U
1,2,4-Trichlorobenzene		10	U	10	U	49	%
Naphthalene		10	U	10	U	10	U
4-Chloroaniline		10	U	10	U	10	U
Hexachlorobutadiene		10	U	10	U	10	U
4-Chloro-3-methylphenol		10	U	10	U	72	%
2-Methylnaphthalene		10	U	10	U	10	U
Hexachlorocyclopentadiene		10	U	10	U	10	U

*= Outside of EPA CLP QC limits.

000023
9613425.1307

Cust ID:	B06Q92		SBLK		SBLK BS	
RFW#:	031		92LE1091-MB1		92LE1091-MB1	
2,4,6-Trichlorophenol	10	U	10	U	10	U
2,4,5-Trichlorophenol	50	U	50	U	50	U
2-Chloronaphthalene	10	U	10	U	10	U
2-Nitroaniline	50	U	50	U	50	U
Dimethylphthalate	10	U	10	U	10	U
Acenaphthylene	10	U	10	U	10	U
2,6-Dinitrotoluene	10	U	10	U	10	U
3-Nitroaniline	50	U	50	U	50	U
Acenaphthene	10	U	10	U	77	%
2,4-Dinitrophenol	50	U	50	U	50	U
4-Nitrophenol	50	U	50	U	68	%
Dibenzofuran	10	U	10	U	10	U
2,4-Dinitrotoluene	10	U	10	U	96	%
Diethylphthalate	10	U	10	U	10	U
4-Chlorophenyl-phenylether	10	U	10	U	10	U
Fluorene	10	U	10	U	10	U
4-Nitroaniline	50	U	50	U	50	U
4,6-Dinitro-2-methylphenol	50	U	50	U	50	U
N-Nitrosodiphenylamine (1)	10	U	10	U	10	U
4-Bromophenyl-phenylether	10	U	10	U	10	U
Hexachlorobenzene	10	U	10	U	10	U
Pentachlorophenol	50	U	50	U	28	%
Phenanthrene	10	U	10	U	10	U
Anthracene	10	U	10	U	10	U
Di-n-Butylphthalate	5	JB	1	J	5	JB
Fluoranthene	10	U	10	U	10	U
Pyrene	10	U	10	U	133 *	%
Butylbenzylphthalate	10	U	10	U	10	U
3,3'-Dichlorobenzidine	20	U	20	U	20	U
Benzo(a)anthracene	10	U	10	U	10	U
Chrysene	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	16	B	10		29	B
Di-n-Octyl phthalate	10	U	10	U	10	U
Benzo(b)fluoranthene	10	U	10	U	10	U
Benzo(k)fluoranthene	10	U	10	U	10	U
Benzo(a)pyrene	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	10	U	10	U	10	U
Dibenzo(a,h)anthracene	10	U	10	U	10	U
Benzo(g,h,i)perylene	10	U	10	U	10	U

(1) - Cannot be separated from Diphenylamine. *= Outside of EPA CLP QC limits.

9613425.1308

9613425.1309

000025

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLES RECEIVED:** 07-15-92
RFW #: 9207L014, SEMIVOLATILE
W.O. #: 6168-02-01

NARRATIVE

The set of samples consisted of eleven (11) water samples collected on 07-10,11,12-92.

The samples were extracted on 07-16-92 and analyzed according to criteria set forth in CLP SOW 02/88 (Rev. 05/89) for TCL Semivolatile target compounds on 08-03,07-92.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. Non-target compounds were detected in these samples.

2. One (1) of ninety (90) surrogate recoveries was outside EPA QC limits; however, EPA CLP surrogate recovery criteria were met [i.e., no more than one outlier per fraciton {acid and base neutral} and no recoveries less than 10%].

3. All matrix spike recoveries were within EPA QC limits.

4. One (1) of eleven (11) blank spike recoveries was outside EPA QC limits.

5. The laboratory blank 92LE1091-MB1 contained the common contaminants Di-n-butylphthalate and Bis(2-ethylhexyl)phthalate at levels less than 2X the CRQL.

6. All internal standard area and retention time criteria were met.

Jack R. Tuschall, Ph.D. 09.04.92
Date
Laboratory Manager
Lionville Analytical Laboratory

kls/07-014b.cn

9613425.1310

1B

000042 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS SHEET

B06PY7

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-001

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080306

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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

9613425.1311

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000043

CLIENT SAMPLE NO.

B06PY7

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-001

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

Lab File ID: L080306

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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	14	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

9613425.1312

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000044

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PY7

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-001

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

Lab File ID: L080306

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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

Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	24.20	10	BJ

9613425.1313

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000057

CLIENT SAMPLE NO.

B06PX2

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-004

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080309

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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

9613425.1314

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000058

CLIENT SAMPLE NO.

B06PX2

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-004

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

Lab File ID: L080309

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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	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	42	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

9613425.1315

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000059

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PX2

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-004

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

Lab File ID: L080309

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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

Dilution Factor: 1.00

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ADIPATE	21.57	7	J
2.	UNKNOWN	24.12	10	BJ

9613425.1316

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000073

CLIENT SAMPLE NO.

B06ZQ1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-007

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080310

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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

9613425.1317

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000074

CLIENT SAMPLE NO.

B06ZQ1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-007

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080310

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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	2	J
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	3	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	13	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

9613425.1318

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000075

CLIENT SAMPLE NO.

B06ZQ1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-007

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

Lab File ID: L080310

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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

Dilution Factor: 1.00

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ADIPATE	21.55	4	J
2.	UNKNOWN	24.08	10	BJ

9613425.1319

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000093

CLIENT SAMPLE NO.

B06Q08

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-010

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080311

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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

9613425.1320

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0 0 0 0 9 4

CLIENT SAMPLE NO.

B06Q08

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-010

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080311

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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	3	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	27	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

9613425.1321

1F

0000095 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B06Q08

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-010

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080311

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ADIPATE	21.58	10	J
2.	UNKNOWN	24.13	30	BJ

9613425.1322 0000109

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q14

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-013

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080312

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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

9613425.1323

1C

0000110 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS SHEET

B06Q14

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-013

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080312

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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	4	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	32	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

9613425.1324

1F

0000111

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q14

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-013

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

Lab File ID: L080312

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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

Dilution Factor: 1.00

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	17.63	8	J
2.	UNKNOWN	17.80	10	J
3.	POSSIBLE LAB CONTAMINANT	19.32	700	J
4.	PRESENT IN BLANK SPIKE	19.32		
5.	UNKNOWN	19.48	40	J
6.	ADIPATE	21.58	20	J
7.	UNKNOWN	24.13	40	JB

9613425.1325

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000129

CLIENT SAMPLE NO.

B06Q59

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-016

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080313

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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

9613425.1326

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000130

CLIENT SAMPLE NO.

B06Q59

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-016

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

Lab File ID: L080313

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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	2	J
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	6	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	20	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

9613425.1327

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000131

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q59

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-016

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080313

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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	4.35	20	J
2.	UNKNOWN	4.77	20	J
3.	UNKNOWN	5.87	10	J
4.	POSSIBLE LAB CONTAMINANT	19.32	300	J
5.	PRESENT IN BLANK SPIKE	19.32		
6.	UNKNOWN	19.48	20	J
7.	ADIPATE	21.57	10	J
8.	UNKNOWN	24.12	40	BJ

9613425.1328

1B

0000152

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q62

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-019

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

Lab File ID: L080314

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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

9613425.1329 ดกดี153

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q62

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-019

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080314

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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	5	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	33	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

1F

CLIENT SAMPLE NO.

B06Q62

SEMIVOLATILE 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: 9207L014-019

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

Lab File ID: L080314

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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

Dilution Factor: 1.00

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	17.80	20	J
2.	POSSIBLE LAB CONTAMINANT	19.33	1000	J
3.	PRESENT IN BLANK SPIKE	19.33		
4.	UNKNOWN	19.48	60	J
5.	ADIPATE	21.58	20	J
6.	UNKNOWN	24.15	50	JB

9613425.1331

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000171

CLIENT SAMPLE NO.

B06Q68

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-022

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

Lab File ID: L080315

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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.

B06Q68

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-022

Sample wt/vol: 990 (g/mL) ML Lab File ID: L080315

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/03/92

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	4	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	28	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

9613425.1333

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000173

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q68

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-022

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

Lab File ID: L080315

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/03/92

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

Dilution Factor: 1.00

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.33	10	J
2.	UNKNOWN	10.20	30	J
3.	POSSIBLE LAB CONTAMINANT	19.32	100	J
4.	PRESENT IN BLANK SPIKE	19.32		
5.	ADIPATE	21.57	20	J
6.	UNKNOWN	24.12	30	BJ

9613425.1334 0000190

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q80

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-025

Sample wt/vol: 990 (g/mL) ML Lab File ID: M080713

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/07/92

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

9613425.1335

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0000191

CLIENT SAMPLE NO.

B06Q80

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-025

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

Lab File ID: M080713

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/07/92

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	6	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	40	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

9613425.1336

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000192

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q80

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-025

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

Lab File ID: M080713

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/07/92

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

Dilution Factor: 1.00

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	18.43	10	J
2.	POSSIBLE LAB CONTAMINANT	19.83	600	J
3.	PRESENT IN BLANK SPIKE	19.83		
4.	UNKNOWN	19.95	20	J
5.	ADIPATE	21.83	20	J
6.	UNKNOWN	24.50	40	BJ

9613425.1337

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000209

CLIENT SAMPLE NO.

B06Q86

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-028

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

Lab File ID: M080714

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/07/92

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

9613425.1338 000021 0

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q86

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-028

Sample wt/vol: 990 (g/mL) ML Lab File ID: M080714

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/07/92

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	4	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	18	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

9613425.1339

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000211

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q86

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-028

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

Lab File ID: M080714

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/07/92

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

Dilution Factor: 1.00

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	POSSIBLE LAB CONTAMINANT	19.82	200	J
2.	PRESENT IN BLANK SPIKE	19.82		
3.	UNKNOWN	19.95	10	J
4.	ADIPATE	21.82	7	J
5.	UNKNOWN	22.57	9	BJ
6.	UNKNOWN	24.50	20	BJ

9613425.1340

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000228

CLIENT SAMPLE NO.

B06Q92

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-031

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

Lab File ID: M080715

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/07/92

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	1	J
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

9613425.1341

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000229

CLIENT SAMPLE NO.

B06Q92

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-031

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

Lab File ID: M080715

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/07/92

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	5	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	16	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

9613425.1342

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000230

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q92

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-031

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

Lab File ID: M080715

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/16/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/07/92

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

Dilution Factor: 1.00

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.25	5	J
2.	POSSIBLE LAB CONTAMINANT	19.83	80	J
3.	PRESENT IN BLANK SPIKE	19.83		
4.	ADIPATE	21.85	8	J
5.	UNKNOWN	22.60	9	BJ
6.	UNKNOWN	24.53	40	BJ

WESTON

SAMPLE DISCREPANCY REPORT (SDR)

SDR IN-PROGRESS ROUTING: (see other side)

Initiator: George Saddic
Date: 8/6/92
Client: Westinghouse
RFW Lot #: 92071975, 92071012,
Samples: 92071013, 92071014

Parameter: 0608H WATER, SOIL
Matrix:
Prep Batch: 92LE1071, 92LE1088
Urgency: 92LE1139, 92LE1108
___ Immediate ✓ Other

Category for Discrepancy:
___ Log-In
___ LIMS
✓ Analysis/Sample
___ Project Revision
___ Other:

A. Reason for SDR:

A1a. Requires Verification By (circle): Log-In or Prep Group

A2.. Verified By (circle): Log-In or Prep Group (signature) (date)

___ Missing Sample/Extract
___ Wrong Sample Pulled
___ Improper Bottle Type
___ Container Broken
___ Preservation Wrong
___ Received Past Hold
___ Insufficient Sample
___ Label ID's Illegible

A1b.

___ Re-Log: Tech Profile Error..Client Changed Request.. Sampler Error on C-O-C..Transcription Error.. Wrong Test Code, Re-Log As _____
___ Re-Leach: Metals/Inorg/VOA/BNA/Pest/Herb/____
___ Re-Digest: AA/ICP/HG/_____
___ Re-Extract: BNA/PEST/_____
___ QC Out: SURR/MS...High/Low/<10%/Missing/2X
___ QC Out: B/BS/BSD/LCS/LCS-D...High/Low
___ Hold Time Exceeded: Prep/Analysis/Report
___ Not Amenable to Analysis
X Other (describe)

Continue Calibration was exceeded for endrin on both SP 2250/2401 and SP2100 columns. This data reflected an increase in response for this parameter so the ability to identify Endrin was not impaired since quantitation was not required the data should not be impaired
As per Diane Rychlak

B. PM Instructions For Disposition (signature/date): Josie King 8/25

___ Cancel ___ Add ___ Subout Analysis
___ Place On Hold ___ Take Off Hold
___ Change W.O. # to: _____
___ MS/MSD on Sample ____, if enough sample: ORG/INORG
___ MS/DUP on Sample ____, if enough sample: ORG/INORG
___ Change Client name to: _____
___ Wrong Test Code, Re-Log As _____
✓ Include in Narrative

___ Other, explain:

C. FINAL ACTION: a clear description of what was done for resolution, when it was done, and by whom it was done

Action Taken:
___ Revision To Chain-of-Custody Completed
___ LIMS Corrections Completed
X Other, explain

include in case narratives for all above mentioned batches. Handed in with (to DATA) 92071975 (original).

Action By (name/date): Diane Rychlak 9/2/92
Forward to Pat Feldman, QA for distribution ---

D. Distribution of Completed SDR (include name):

X Initiator: George Saddic
X Lab Manager: J.R. Tuschall
X Project Mgr: King
X Unit Leader: Diane Rychlak
X QA (original): D.S. Therry
___ Log-In: _____
___ Data Reporting: _____
___ Billing: Joann Bonner
___ _____
___ _____

Distributed By: (signature/date)

RFW 21-21-006/E-10/90 (SDR Revision 5.0)

Roy F. Weston, Inc. - Lionville Laboratory
Pesticide/PCBs by GC, CLP List

RFW Batch Number: 9207L014 | Client: WESTINGHOUSE HANFORD | Work Order: 6168-02-01-0000 | Report Date: 09/13/92 12:22 | Page: 1

	Cust ID:	B06PY7		B06PX2		B06PX2		B06PX2		B06ZQ1		B06Q08	
Sample Information	RFW#:	001		004		004 MS		004 MSD		007		010	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		2.00		2.00		1.00		1.00	
	Units:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Surrogate: Di-n-butylchlorendate		145	%	95	%	150	%	100	%	118	%	129	%
			fl		fl		fl		fl		fl		fl
Alpha-BHC		0.050	U	0.10	U	0.20	U	0.20	U	0.050	U	0.050	U
Beta-BHC		0.050	U	0.10	U	0.20	U	0.20	U	0.050	U	0.050	U
Delta-BHC		0.050	U	0.10	U	0.20	U	0.20	U	0.050	U	0.050	U
gamma-BHC (Lindane)		0.050	U	0.10	U	70	%	85	%	0.050	U	0.050	U
Heptachlor		0.050	U	0.10	U	80	%	95	%	0.050	U	0.050	U
Aldrin		0.050	U	0.10	U	70	%	80	%	0.050	U	0.050	U
Heptachlor epoxide		0.050	U	0.10	U	0.20	U	0.20	U	0.050	U	0.050	U
Endosulfan I		0.050	U	0.10	U	0.20	U	0.20	U	0.050	U	0.050	U
Dieldrin		0.10	U	0.20	U	76	%	80	%	0.10	U	0.10	U
4,4'-DDE		0.10	U	0.20	U	0.40	U	0.40	U	0.10	U	0.10	U
Endrin		0.10	U	0.20	U	102	%	108	%	0.10	U	0.10	U
Endosulfan II		0.10	U	0.20	U	0.40	U	0.40	U	0.10	U	0.10	U
4,4'-DDD		0.10	U	0.20	U	0.40	U	0.40	U	0.10	U	0.10	U
Endosulfan sulfate		0.10	U	0.20	U	0.40	U	0.40	U	0.10	U	0.10	U
4,4'-DDT		0.10	U	0.20	U	78	%	86	%	0.10	U	0.10	U
Methoxychlor		0.50	U	1.0	U	2.0	U	2.0	U	0.50	U	0.50	U
Endrin ketone		0.10	U	0.20	U	0.40	U	0.40	U	0.10	U	0.10	U
alpha-Chlordane		0.50	U	1.0	U	2.0	U	2.0	U	0.50	U	0.50	U
gamma-Chlordane		0.50	U	1.0	U	2.0	U	2.0	U	0.50	U	0.50	U
Toxaphene		1.0	U	2.0	U	4.0	U	4.0	U	1.0	U	1.0	U
Aroclor-1016		0.50	U	1.0	U	2.0	U	2.0	U	0.50	U	0.50	U
Aroclor-1221		0.50	U	1.0	U	2.0	U	2.0	U	0.50	U	0.50	U
Aroclor-1232		0.50	U	1.0	U	2.0	U	2.0	U	0.50	U	0.50	U
Aroclor-1242		0.50	U	1.0	U	2.0	U	2.0	U	0.50	U	0.50	U
Aroclor-1248		0.50	U	1.0	U	2.0	U	2.0	U	0.50	U	0.50	U
Aroclor-1254		1.0	U	2.0	U	4.0	U	4.0	U	1.0	U	1.0	U
Aroclor-1260		1.0	U	2.0	U	4.0	U	4.0	U	1.0	U	1.0	U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

96134425.1344

Roy F. Weston, Inc. - Lionville Laboratory
Pesticide/PCBs by GC, CLP List

RFW Batch Number: 9207L014 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Report Date: 09/13/92 12:22 Page: 2

	Cust ID:	B06Q14		B06Q59		B06Q62		B06Q68		B06Q80		B06Q86	
Sample Information	RFW#:	013		016		019		022		025		028	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
	Units:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Surrogate: Di-n-butylchlorendate		128	%	115	%	116	%	I	%	I	%	126	%
Alpha-BHC		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Beta-BHC		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Delta-BHC		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
gamma-BHC (Lindane)		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Heptachlor		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Aldrin		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Heptachlor epoxide		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Endosulfan I		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Dieldrin		0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDE		0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin		0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan II		0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD		0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan sulfate		0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT		0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Methoxychlor		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Endrin ketone		0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
alpha-Chlordane		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
gamma-Chlordane		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toxaphene		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1016		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Aroclor-1221		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Aroclor-1232		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Aroclor-1242		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Aroclor-1248		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Aroclor-1254		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1260		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

00002 1
9613425.1345

Roy F. Weston, Inc. - Lionville Laboratory
Pesticide/PCBs by GC, CLP List

RFW Batch Number: 9207L014 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Report Date: 09/13/92 12:22 Page: 3

	Cust ID:	B06Q92	PBLK	PBLK BS
Sample Information	RFW#:	031	92LE1108-MB1	92LE1108-MB1
	Matrix:	WATER	WATER	WATER
	D.F.:	1.00	1.00	2.00
	Units:	ug/L	ug/L	ug/L

Surrogate: Di-n-butylchlorendate	125	%	117	%	110	%
Alpha-BHC	0.050	U	0.050	U	0.10	U
Beta-BHC	0.050	U	0.050	U	0.10	U
Delta-BHC	0.050	U	0.050	U	0.10	U
gamma-BHC (Lindane)	0.050	U	0.050	U	80	%
Heptachlor	0.050	U	0.050	U	90	%
Aldrin	0.050	U	0.050	U	75	%
Heptachlor epoxide	0.050	U	0.050	U	0.10	U
Endosulfan I	0.050	U	0.050	U	0.10	U
Dieldrin	0.10	U	0.10	U	72	%
4,4'-DDE	0.10	U	0.10	U	0.20	U
Endrin	0.10	U	0.10	U	96	%
Endosulfan II	0.10	U	0.10	U	0.20	U
4,4'-DDD	0.10	U	0.10	U	0.20	U
Endosulfan sulfate	0.10	U	0.10	U	0.20	U
4,4'-DDT	0.10	U	0.10	U	82	%
Methoxychlor	0.50	U	0.50	U	1.0	U
Endrin ketone	0.10	U	0.10	U	0.20	U
alpha-Chlordane	0.50	U	0.50	U	1.0	U
gamma-Chlordane	0.50	U	0.50	U	1.0	U
Toxaphene	1.0	U	1.0	U	2.0	U
Aroclor-1016	0.50	U	0.50	U	1.0	U
Aroclor-1221	0.50	U	0.50	U	1.0	U
Aroclor-1232	0.50	U	0.50	U	1.0	U
Aroclor-1242	0.50	U	0.50	U	1.0	U
Aroclor-1248	0.50	U	0.50	U	1.0	U
Aroclor-1254	1.0	U	1.0	U	2.0	U
Aroclor-1260	1.0	U	1.0	U	2.0	U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

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9613425.1347

23A

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLE(S) RECEIVED:** 07-15-92
RFW #: 9207L014, PEST/PCB
W.O. #: 6168-02-01

NARRATIVE

The set of samples consisted of eleven (11) water samples collected on 07-10,11,12-92.

The samples were extracted on 07-17-92 and analyzed according to criteria set forth in the Contract Laboratory Program for Pesticide and PCB target compounds on 08-07,08-92.

A modification to the Contract Laboratory Program 02/88 was initiated to include surrogate requirements from Method SW 846. Tetrachloro-m-xylene (TCX) is an early eluting compound which is an additional surrogate added to sample extracts and will be reported when there is an interference with Di-n-butylchlorendate (DBC).

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. Linearity and breakdown criteria were met on the primary column.

2. For continuing calibration standards analyzed prior to the sample extracts, the 15%/20% criteria for calibration factors were exceeded for Endrin on 08-07-92 on the SP2250/2401 column at 0206 and on the SP2100 column at 0031.

   The data reflected an increase in instrument response for the target compound Endrin; therefore, the ability to identify or confirm this parameter was not impaired. Quantitation was not required; therefore, the data should not be impacted.

   The 15%/20% continuing calibration criteria were also exceeded for Endrin prior to sample extracts on 08-07-92 on the SP2250/2401 column at 1809 and 2010 and on the SP2100 column at 1811 and 2012. Column maintenance was performed enabling Endrin to be within the 15%/20% criteria; therefore, analysis was continued.

WESTON
MANAGERS DESIGNERS/CONSULTANTS

3. Retention time criteria were exceeded prior to sample extracts for Methoxychlor on the SP2250/2401 column on 08-07-92 at 2142. Larger retention time windows were used for the evaluation of the accompanying data.

4. All obtainable DBC surrogate recoveries were within EPA QC limits. The DBC surrogate recoveries for the following samples were unobtainable due to interferences. The TCX surrogate recoveries were calculated as follows:

Sample	TCX Recovery
B06Q68	135%
B06Q80	114%

5. All matrix spike recoveries were within EPA QC limits.

6. All blank spike recoveries were within EPA QC limits.

7. The blank spike and matrix spike samples required two-fold dilutions to maintain the pesticide concentrations within the linear range of the instrument.

Jack R. Tuschall, Ph.D. 09.17.92
Date
Laboratory Manager
Lionville Analytical Laboratory

sma/pcb/07-014pp.cn

9613425.1349

1D

PESTICIDE ORGANICS ANALYSIS SHEET 000031

CLIENT SAMPLE NO.

B06PY7

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-001

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

Lab File ID: 08069203.39

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/07/92

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

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FORM 1 PEST 12/88 Rev.

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1D

PESTICIDE ORGANICS ANALYSIS SHEET 000036

CLIENT SAMPLE NO.

B06PX2

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-004

Sample wt/vol: 500 (g/mL) ML

Lab File ID: 08069203.40

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/07/92

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	0.10	U
319-85-7	Beta-BHC	0.10	U
319-86-8	Delta-BHC	0.10	U
58-89-9	gamma-BHC (Lindane)	0.10	U
76-44-8	Heptachlor	0.10	U
309-00-2	Aldrin	0.10	U
1024-57-3	Heptachlor epoxide	0.10	U
959-98-8	Endosulfan I	0.10	U
60-57-1	Dieldrin	0.20	U
72-55-9	4,4'-DDE	0.20	U
72-20-8	Endrin	0.20	U
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	0.20	U
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

JBR 9/13/92

9613425.1351

1D

PESTICIDE ORGANICS ANALYSIS SHEET 000049

CLIENT SAMPLE NO.

B06ZQ1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 08069203.63

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/08/92

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

IEB 9/13/92

9613425.1352

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PESTICIDE ORGANICS ANALYSIS SHEET 000046

CLIENT SAMPLE NO.

B06Q08

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 08069203.64

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/08/92

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

JDB 9/13/92

9613425.1353

1D

PESTICIDE ORGANICS ANALYSIS SHEET 0000051

CLIENT SAMPLE NO.

B06Q14

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9207L014-013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 08069203.67

Level: (low/med) LOW Date Received: 07/15/92

% Moisture: not dec. _____ dec. Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/08/92

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

DGR 9/13/92

9613425.1354

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PESTICIDE ORGANICS ANALYSIS SHEET

0000056 CLIENT SAMPLE NO.

B06Q59

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-016

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

Lab File ID: 08069203.48

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/07/92

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

DPR 9/13/92

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PESTICIDE ORGANICS ANALYSIS SHEET 000061

CLIENT SAMPLE NO.

B06Q62

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-019

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

Lab File ID: 08069203.51

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/07/92

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

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PESTICIDE ORGANICS ANALYSIS SHEET 000066

CLIENT SAMPLE NO.

B06Q68

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-022

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

Lab File ID: 08069203.52

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/07/92

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

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PESTICIDE ORGANICS ANALYSIS SHEET 000071

CLIENT SAMPLE NO.

B06Q80

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-025

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

Lab File ID: 08069203.53

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/07/92

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

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PESTICIDE ORGANICS ANALYSIS SHEET 000076

CLIENT SAMPLE NO.

B06Q86

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-028

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

Lab File ID: 08069203.54

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/07/92

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

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PESTICIDE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q92

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9207L014-031

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

Lab File ID: 08069203.55

Level: (low/med) LOW

Date Received: 07/15/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/17/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/07/92

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

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RECORD COPY

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLE(S) RECEIVED:** 07-15-92
RFW #: 9207L014
W.O. #: 6168-02-01

INORGANIC NARRATIVE

The following is a summary of the quality control results and a description of any problems encountered during the analysis of this batch of samples:

1. Sample holding times as required by 40CFR136 were met with the exception of Nitrate by IC, Nitrite by IC and Phosphate by IC which were received past hold and Total Organic Halides which was analyzed past hold.

2. All preparation blank results were below the required detection limit.

3. All laboratory control standards (blank spikes) were within the control limits of 80-120%. All %RPD were within the 20% guidance limit.

4. All calibration verification checks were within the required control limits of 90-110%. Calibration verification is performed using independent standards.

5. Matrix spike recoveries are summarized on the Inorganic Accuracy Report contained within this document. Recoveries were within the 75-125% (70-130% for Total Organic Halides) guidance limit with the exception of Total Organic Halides. All %RPD were within the 20% (40% for Total Organic Halides) guidance limit.

6. Replicate results are summarized on the Inorganic Precision Report contained within this document. All results were within the 20% RPD guidance limit.

7. The analytical methods applied by the laboratory, unless otherwise requested, for all inorganic analyses are derived from the USEPA Method for Chemical Analysis of Water and Wastes (USEPA 600/4-79-020) and Standard Methods for the Examination of Water and Wastewater 16 ed. Methods for the analysis of solid samples are derived from Test Methods for Evaluating Solid Waste (USEPA SW846).

09.17.92

Jack R. Tuschall, Ph.D. Date
Laboratory Manager
Lionville Analytical Laboratory

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/11/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-001	B06PY7	Alkalinity	110	MG/L	2.0
		Chloride by IC	3.7	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	1.6	MG/L	0.25
		Chemical Oxygen Demand	11.3	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	11.7	MG/L	2.5
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	1.1	MG/L	0.50
		Total Dissolved Solids	167	MG/L	5.0
		Total Organic Halides	253	UG/L	20.0
		Total Suspended Solids	6.0	MG/L	5.0
-004	B06PX2	Alkalinity	100	MG/L	2.0
		Chloride by IC	42.6	MG/L	5.0
		Fluoride by IC	0.50 u	MG/L	0.50
		Nitrite by IC	0.25 u	MG/L	0.25
		Nitrate by IC	30.0	MG/L	5.0
		Chemical Oxygen Demand	5.0 u	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	57.7	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.72	MG/L	0.50
		Total Dissolved Solids	322	MG/L	5.0
		Total Organic Halides	51.4	UG/L	5.0
		Total Suspended Solids	50.0	MG/L	5.0
-007	B06ZQ1	Alkalinity	100	MG/L	2.0
		Chloride by IC	16.4	MG/L	5.0
		Fluoride by IC	0.50 u	MG/L	0.50
		Nitrite by IC	0.25 u	MG/L	0.25
		Nitrate by IC	4.4	MG/L	0.25
		Chemical Oxygen Demand	5.0 u	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	31.0	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	1.7	MG/L	0.50
		Total Dissolved Solids	207	MG/L	5.0
		Total Organic Halides	5.0 u	UG/L	5.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/11/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-007	B06ZQ1	Total Suspended Solids	15.0	MG/L	5.0
-010	B06Q08	Alkalinity	100	MG/L	2.0
		Chloride by IC	16.9	MG/L	5.0
		Fluoride by IC	0.50 u	MG/L	0.50
		Nitrite by IC	0.25 u	MG/L	0.25
		Nitrate by IC	4.5	MG/L	0.25
		Chemical Oxygen Demand	5.0 u	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	31.0	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	1.6	MG/L	0.50
		Total Dissolved Solids	202	MG/L	5.0
		Total Organic Halides	26.0	UG/L	5.0
		Total Suspended Solids	9.0	MG/L	5.0
-013	B06Q14	Alkalinity	100	MG/L	2.0
		Chloride by IC	11.8	MG/L	5.0
		Fluoride by IC	0.50 u	MG/L	0.50
		Nitrite by IC	0.25 u	MG/L	0.25
		Nitrate by IC	3.2	MG/L	0.25
		Chemical Oxygen Demand	5.0 u	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	25.0	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	1.4	MG/L	0.50
		Total Dissolved Solids	186	MG/L	5.0
		Total Organic Halides	5.0 u	UG/L	5.0
		Total Suspended Solids	15.0	MG/L	5.0
-016	B06Q59	Alkalinity	120	MG/L	2.0
		Chloride by IC	16.8	MG/L	5.0
		Fluoride by IC	1.7	MG/L	0.50
		Nitrite by IC	0.25 u	MG/L	0.25
		Nitrate by IC	80.9	MG/L	5.0
		Chemical Oxygen Demand	5.0 u	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	63.8	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.82	MG/L	0.50

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/11/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-016	B06Q59	Total Dissolved Solids	403	MG/L	5.0
		Total Organic Halides	165	UG/L	5.0
		Total Suspended Solids	7.0	MG/L	5.0
-019	B06Q62	Alkalinity	84.0	MG/L	2.0
		Chloride by IC	73.0	MG/L	5.0
		Fluoride by IC	1.7	MG/L	0.50
		Nitrite by IC	0.25 u	MG/L	0.25
		Nitrate by IC	41.8	MG/L	5.0
		Chemical Oxygen Demand	5.0 u	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	33.5	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.53	MG/L	0.50
		Total Dissolved Solids	337	MG/L	5.0
		Total Organic Halides	74.5	UG/L	5.0
		Total Suspended Solids	24.0	MG/L	5.0
-022	B06Q68	Alkalinity	110	MG/L	2.0
		Chloride by IC	53.4	MG/L	5.0
		Fluoride by IC	7.0	MG/L	0.50
		Nitrite by IC	84.3	MG/L	0.25
		Nitrate by IC	552	MG/L	5.0
		Chemical Oxygen Demand	16.0	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	63.5	MG/L	25.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.72	MG/L	0.50
		Total Dissolved Solids	1120	MG/L	5.0
		Total Organic Halides	473	UG/L	5.0
		Total Suspended Solids	13.0	MG/L	5.0
-025	B06Q80	Alkalinity	90.0	MG/L	2.0
		Chloride by IC	2.9	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	1.1	MG/L	0.25
		Chemical Oxygen Demand	5.0 u	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	14.0	MG/L	2.5

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/11/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-025	B06Q80	Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.82	MG/L	0.50
		Total Dissolved Solids	147	MG/L	5.0
		Total Organic Halides	54.3	UG/L	5.0
		Total Suspended Solids	7.0	MG/L	5.0
-028	B06Q86	Alkalinity	110	MG/L	2.0
		Chloride by IC	11.3	MG/L	5.0
		Fluoride by IC	0.59	MG/L	0.50
		Nitrite by IC	0.25 u	MG/L	0.25
		Nitrate by IC	34.0	MG/L	5.0
		Chemical Oxygen Demand	5.0 u	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	30.8	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	1.1	MG/L	0.50
		Total Dissolved Solids	256	MG/L	5.0
		Total Organic Halides	65.8	UG/L	5.0
		Total Suspended Solids	12.0	MG/L	5.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/11/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-031	B06Q92	Alkalinity	100	MG/L	2.0
		Chloride by IC	13.4	MG/L	5.0
		Fluoride by IC	0.61	MG/L	0.50
		Nitrite by IC	0.25 u	MG/L	0.25
		Nitrate by IC	11.0	MG/L	5.0
		Chemical Oxygen Demand	5.0 u	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	24.3	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.82	MG/L	0.50
		Total Dissolved Solids	208	MG/L	5.0
		Total Organic Halides	6.2	UG/L	5.0
		Total Suspended Solids	7.0	MG/L	5.0

Roy F. Weston, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD CO. **SAMPLES RECEIVED:** 07/15/92
RFW #: 9207L014
W.O. #: 6168-02-01

METALS NARRATIVE

The set of samples consisted of twenty-two (22) water samples collected on 07/10, 07/11 and 07/12/92.

The samples were analyzed according to criteria set forth in CLP SOW 3/90.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analysis:

1. ICVs, CCVs, and LCSs stock standards were purchased from Inorganic Ventures Laboratory.

2. All ICV and CCV values were within control limits.

3. All ICB and CCB values were within control limits.

4. All preparation blank values were within control limits.

5. All LCS results were within the 80-120% control limits.

6. All matrix spike recoveries were within the 75-125% control limits with the exception of lead. All exceptions are flagged with a "N" on the CLP forms.

7. All duplicate analyses were within the 20% RPD control limits with the exception of zinc. All exceptions are flagged with a "*" on the CLP forms.

8. Selenium sample results were calculated by the method of standard addition (MSA). All corresponding samples were flagged with a "S" according to CLP protocol.

9. For MSA, results reported on Form 8 are calculated from absorbance values. Results reported on other forms are based on concentration. As indicated in the SOWILM01.0, page B-32, differences due to rounding may be found between the MSA values on Form 8 and the results reported on the other forms.

WESTON
MANAGERS DESIGNERS/CONSULTANTS

10. The code CV is currently in use by the laboratory for both mercury instruments in operation (HG1 and HG2). HG1 is complete with autosampler and software, but still requires manual digestion; HG2 is operated by the analyst, produces a strip chart and also requires manual digestion.

11. HG1 requires less total volume of digestate due to the autosampler analysis. Sample volumes and reagents for mercury determinations in water and soil have been proportionally scaled down to adapt to this semi-automated technique. The sample volume used for water analysis is 33 ml. For soils, 0.1 gram of sample is taken to a final volume of 50 ml (including all reagents).

12. Quarterly Detection Limits, ICP Interelement Correction Factors and ICP Linear Ranges for IC3 are included in this package, but do not appear on EDD.

13. The graphite furnace time that appears on form XIV is the time of the first injection. The time that appears on the data is the print time.

Margaret M. Leaty for
Jack R. Tuschall, Ph.D.
Laboratory Manager
Lionville Analytical Laboratories

9/25/92
Date

mlj\ clp-met.nar

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-001	B06PY7	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	200	u	UG/L	200
		Arsenic, Total	10.0	u	UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	26000		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	10.0	u	UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	100	u	UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5560		UG/L	5000
		Magnesium, Total	7690		UG/L	5000
		Manganese, Total	15.0	u	UG/L	15.0
		Sodium, Total	11000		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	3.0	u	UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	5.0	u	UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	50.0	u	UG/L	50.0
		Zinc, Total	43.6		UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9207L014

WORK ORDER: 6168-02-01-0000

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-002	B06PY8	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	25000		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	10.0	u	UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5000	u	UG/L	5000
		Magnesium, Soluble	7170		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	11400		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	5.0	u	UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-004	B06PX2	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	535		UG/L	200
		Arsenic, Total	10.0	u	UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	50100		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	10.0	u	UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	13000		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5000	u	UG/L	5000
		Magnesium, Total	14600		UG/L	5000
		Manganese, Total	221		UG/L	15.0
		Sodium, Total	15600		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	6.4		UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	5.0	u	UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	50.0	u	UG/L	50.0
		Zinc, Total	39.6		UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-005	B06PX3	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	52400		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	10.0	u	UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5000	u	UG/L	5000
		Magnesium, Soluble	15700		UG/L	5000
		Manganese, Soluble	30.3		UG/L	15.0
		Sodium, Soluble	18000		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	5.0	u	UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-007	B06ZQ1	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	200	u	UG/L	200
		Arsenic, Total	10.0	u	UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	26300		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	10.0	u	UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	1200		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5000	u	UG/L	5000
		Magnesium, Total	8040		UG/L	5000
		Manganese, Total	15.0	u	UG/L	15.0
		Sodium, Total	21500		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	3.9		UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	5.0	u	UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	50.0	u	UG/L	50.0
		Zinc, Total	134		UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-008	B06ZQ2	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	25400		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	10.0	u	UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5000	u	UG/L	5000
		Magnesium, Soluble	7680		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	23600		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	5.0	u	UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-010	B06Q08	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	200	u	UG/L	200
		Arsenic, Total	10.0	u	UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	26100		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	10.0	u	UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	813		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5300		UG/L	5000
		Magnesium, Total	7930		UG/L	5000
		Manganese, Total	15.0	u	UG/L	15.0
		Sodium, Total	21300		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	3.0	u	UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	5.0	u	UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	50.0	u	UG/L	50.0
		Zinc, Total	127		UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-011	B06Q09	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	25100		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	10.0	u	UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5040		UG/L	5000
		Magnesium, Soluble	7550		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	23400		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	5.0	u	UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-013	B06Q14	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	200	u	UG/L	200
		Arsenic, Total	10.0	u	UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	28000		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	10.0	u	UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	100	u	UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5000	u	UG/L	5000
		Magnesium, Total	8270		UG/L	5000
		Manganese, Total	15.0	u	UG/L	15.0
		Sodium, Total	15200		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	3.0	u	UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	5.0	u	UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	50.0	u	UG/L	50.0
		Zinc, Total	20.0	u	UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9207L014

WORK ORDER: 6168-02-01-0000

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-014	B06Q15	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	25800		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	10.0	u	UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5360		UG/L	5000
		Magnesium, Soluble	7580		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	15900		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	5.0	u	UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-016	B06Q59	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	200	u	UG/L	200
		Arsenic, Total	10.0	u	UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	39800		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	25.9		UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	100	u	UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5000	u	UG/L	5000
		Magnesium, Total	13200		UG/L	5000
		Manganese, Total	15.0	u	UG/L	15.0
		Sodium, Total	59500		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	3.0	u	UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	6.4		UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	50.0	u	UG/L	50.0
		Zinc, Total	20.0	u	UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9207L014

WORK ORDER: 6168-02-01-0000

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-017	B06Q60	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	35300		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	21.1		UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5000	u	UG/L	5000
		Magnesium, Soluble	12100		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	61500		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	5.0	u	UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-019	B06Q62	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	244		UG/L	200
		Arsenic, Total	10.0	u	UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	41700		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	10.0	u	UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	7020		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5000	u	UG/L	5000
		Magnesium, Total	13200		UG/L	5000
		Manganese, Total	380		UG/L	15.0
		Sodium, Total	44500		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	3.0	u	UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	5.0	u	UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	57.3		UG/L	50.0
		Zinc, Total	20.0	u	UG/L	20.0

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-020	B06Q63	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	38400		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	10.0	u	UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5000	u	UG/L	5000
		Magnesium, Soluble	12500		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	47800		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	5.0	u	UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-022	B06Q68	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	224		UG/L	200
		Arsenic, Total	10.0	u	UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	55000		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	12.7		UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	906		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	7830		UG/L	5000
		Magnesium, Total	15200		UG/L	5000
		Manganese, Total	46.6		UG/L	15.0
		Sodium, Total	228000		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	3.0	u	UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	5.0	u	UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	152		UG/L	50.0
		Zinc, Total	55.0		UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-023	B06Q69	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	51700		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	10.0	u	UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	7850		UG/L	5000
		Magnesium, Soluble	14700		UG/L	5000
		Manganese, Soluble	34.5		UG/L	15.0
		Sodium, Soluble	249000		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	6.3		UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	151		UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-025	B06Q80	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	200	u	UG/L	200
		Arsenic, Total	10.2		UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	20700		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	10.0	u	UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	118		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5000	u	UG/L	5000
		Magnesium, Total	7170		UG/L	5000
		Manganese, Total	15.0	u	UG/L	15.0
		Sodium, Total	10300		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	3.0	u	UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	5.0	u	UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	50.0	u	UG/L	50.0
		Zinc, Total	20.0	u	UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-026	B06Q81	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	22000		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	10.0	u	UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5000	u	UG/L	5000
		Magnesium, Soluble	7300		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	11400		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	5.0	u	UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-028	B06Q86	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	200	u	UG/L	200
		Arsenic, Total	10.0	u	UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	24800		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	10.0	u	UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	248		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5000	u	UG/L	5000
		Magnesium, Total	7420		UG/L	5000
		Manganese, Total	23.4		UG/L	15.0
		Sodium, Total	35600		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	3.0	u	UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	5.0	u	UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	50.0	u	UG/L	50.0
		Zinc, Total	20.0	u	UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-029	B06Q87	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	26000		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	10.0	u	UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5000	u	UG/L	5000
		Magnesium, Soluble	7440		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	42800		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	5.0	u	UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-031	B06Q92	Silver, Total	10.0	u	UG/L	10.0
		Aluminum, Total	200	u	UG/L	200
		Arsenic, Total	10.0	u	UG/L	10.0
		Barium, Total	200	u	UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	23900		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	27.0		UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	365		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5000	u	UG/L	5000
		Magnesium, Total	10600		UG/L	5000
		Manganese, Total	27.9		UG/L	15.0
		Sodium, Total	17400		UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	3.0	u	UG/L	3.0
		Antimony, Total	60.0	u	UG/L	60.0
		Selenium, Total	5.0	u	UG/L	5.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	50.0	u	UG/L	50.0
		Zinc, Total	20.0	u	UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 09/01/92

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

WESTON BATCH #: 9207L014

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-032	B06Q93	Silver, Soluble	10.0	u	UG/L	10.0
		Aluminum, Soluble	200	u	UG/L	200
		Arsenic, Soluble	10.0	u	UG/L	10.0
		Barium, Soluble	200	u	UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	25000		UG/L	5000
		Cadmium, Soluble	5.0	u	UG/L	5.0
		Cobalt, Soluble	50.0	u	UG/L	50.0
		Chromium, Soluble	30.4		UG/L	10.0
		Copper, Soluble	25.0	u	UG/L	25.0
		Iron, Soluble	100	u	UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5000	u	UG/L	5000
		Magnesium, Soluble	11100		UG/L	5000
		Manganese, Soluble	28.0		UG/L	15.0
		Sodium, Soluble	20000		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	3.0	u	UG/L	3.0
		Antimony, Soluble	60.0	u	UG/L	60.0
		Selenium, Soluble	5.0	u	UG/L	5.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	20.0	u	UG/L	20.0

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U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PY7

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701401

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	9.70	B		F
7440-39-3	Barium	18.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	26000.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	43.90	B		P
7439-92-1	Lead	2.00	U	N	F
7439-95-4	Magnesium	7690.00		E	P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	5560.00			P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	11000.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	42.60	B		P
7440-66-6	Zinc	43.60		*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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000060

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PY8

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701402

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	163.00	B		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	9.60	B		F
7440-39-3	Barium	19.50	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	25000.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	19.00	U		P
7439-92-1	Lead	2.00	U	N	F
7439-95-4	Magnesium	7170.00		E	P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4900.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	11400.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	42.20	B		P
7440-66-6	Zinc	6.00	U	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PX2

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701404

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	535.00			P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	2.50	B		F
7440-39-3	Barium	35.80	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	50100.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	12.20	B		P
7439-89-6	Iron	13000.00			P
7439-92-1	Lead	6.40		NW	F
7439-95-4	Magnesium	14600.00		E	P
7439-96-5	Manganese	221.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4920.00	B		P
7782-49-2	Selenium	2.00	U	S	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	15600.00		E	P
7440-28-0	Thallium	2.00	U	W	F
7440-62-2	Vanadium	30.80	B		P
7440-66-6	Zinc	39.60		*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1393

0000062

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PX3

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701405

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	113.00	B		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	2.00	U	W	F
7440-39-3	Barium	36.80	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	52400.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	19.00	U		P
7439-92-1	Lead	2.00	U	N	F
7439-95-4	Magnesium	15700.00		E	P
7439-96-5	Manganese	30.30			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4880.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	18000.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	32.90	B		P
7440-66-6	Zinc	6.00	U	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1394

0000063

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06ZQ1

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701407

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	7.40	B		F
7440-39-3	Barium	16.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	26300.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	1200.00			P
7439-92-1	Lead	3.90		NW	F
7439-95-4	Magnesium	8040.00		E	P
7439-96-5	Manganese	4.60	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4920.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	21500.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	30.40	B		P
7440-66-6	Zinc	134.00		*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06ZQ2

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701408

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	89.40	B		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	6.60	B		F
7440-39-3	Barium	23.20	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	25400.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	19.00	U		P
7439-92-1	Lead	20.00	U	NW	F
7439-95-4	Magnesium	7680.00		E	P
7439-96-5	Manganese	2.40	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4720.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	23600.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	28.40	B		P
7440-66-6	Zinc	6.00	U	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q08

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701410

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	6.80	B		F
7440-39-3	Barium	15.20	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	26100.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	813.00			P
7439-92-1	Lead	2.70	B	NW	F
7439-95-4	Magnesium	7930.00		E	P
7439-96-5	Manganese	4.20	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	5300.00			P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	21300.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	31.80	B		P
7440-66-6	Zinc	127.00		*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q09

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701411

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	52.40	B		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	6.90	B		F
7440-39-3	Barium	22.50	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	25100.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	19.00	U		P
7439-92-1	Lead	20.00	U	NW	F
7439-95-4	Magnesium	7550.00		E	P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	5040.00			P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	23400.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	29.20	B		P
7440-66-6	Zinc	6.00	U	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q14

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701413

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	6.90	B		F
7440-39-3	Barium	27.70	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	28000.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	58.80	B		P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	8270.00		E	P
7439-96-5	Manganese	2.60	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4970.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	15200.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	33.70	B		P
7440-66-6	Zinc	11.10	B	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q15

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701414

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	64.20	B		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	7.60	B		F
7440-39-3	Barium	29.90	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	25800.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	43.90	B		P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	7580.00		E	P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	5360.00			P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	15900.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	32.80	B		P
7440-66-6	Zinc	6.00	U	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1400 0000069

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q59

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701416

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	3.00	B		F
7440-39-3	Barium	27.10	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	39800.00		E	P
7440-47-3	Chromium	25.90			P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	58.20	B		P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	13200.00		E	P
7439-96-5	Manganese	2.20	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4850.00	B		P
7782-49-2	Selenium	6.40		S	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	59500.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	46.30	B		P
7440-66-6	Zinc	14.20	B	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1401 0000070

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q60

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701417

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	58.20	B		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	2.30	B		F
7440-39-3	Barium	32.60	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	35300.00		E	P
7440-47-3	Chromium	21.10			P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	19.00	U		P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	12100.00		E	P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4160.00	B		P
7782-49-2	Selenium	2.60	B	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	61500.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	43.50	B		P
7440-66-6	Zinc	12.80	B	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1402 0000071

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q62

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701419

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	244.00			P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	2.30	B		F
7440-39-3	Barium	59.90	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	41700.00		E	P
7440-47-3	Chromium	9.90	B		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	7020.00			P
7439-92-1	Lead	2.00	U	N	F
7439-95-4	Magnesium	13200.00		E	P
7439-96-5	Manganese	380.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4950.00	B		P
7782-49-2	Selenium	2.10	B	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	44500.00		E	P
7440-28-0	Thallium	2.00	U	W	F
7440-62-2	Vanadium	57.30			P
7440-66-6	Zinc	17.40	B	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q63

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701420

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	2.10	B		F
7440-39-3	Barium	43.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	38400.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	6.00	B		P
7439-89-6	Iron	48.40	B		P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	12500.00		E	P
7439-96-5	Manganese	3.60	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4530.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	47800.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	45.10	B		P
7440-66-6	Zinc	6.00	U	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1404 0000074

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q69

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701423

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	8.60	B		F
7440-39-3	Barium	78.40	B		P
7440-41-7	Beryllium	1.00			P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	51700.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	32.90	B		P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	14700.00		E	P
7439-96-5	Manganese	34.50			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	7850.00			P
7782-49-2	Selenium	6.30		S	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	249000.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	150.70			P
7440-66-6	Zinc	12.30	B	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q68

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701422

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	224.00			P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	7.00	B		F
7440-39-3	Barium	70.20	B		P
7440-41-7	Beryllium	1.10	B		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	55000.00		E	P
7440-47-3	Chromium	12.70			P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	906.00			P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	15200.00		E	P
7439-96-5	Manganese	46.60			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	7830.00			P
7782-49-2	Selenium	3.90	B	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	228000.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	152.00			P
7440-66-6	Zinc	55.00		*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1406 0n00075

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q80

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701425

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	10.20			F
7440-39-3	Barium	11.30	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	20700.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	118.00			P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	7170.00		E	P
7439-96-5	Manganese	4.40	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	3220.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	10300.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	29.60	B		P
7440-66-6	Zinc	8.20	B	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q81

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701426

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	8.90	B		F
7440-39-3	Barium	21.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	22000.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	19.00	B		P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	7300.00		E	P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	3610.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	11400.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	33.50	B		P
7440-66-6	Zinc	6.00	U	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1408 000077

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q86

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701428

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	5.80	B		F
7440-39-3	Barium	14.20	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	24800.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	248.00			P
7439-92-1	Lead	2.00	U	N	F
7439-95-4	Magnesium	7420.00		E	P
7439-96-5	Manganese	23.40			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	3570.00	B		P
7782-49-2	Selenium	2.00	U	S	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	35600.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	44.70	B		P
7440-66-6	Zinc	19.50	B	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1409 0000078

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q87

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701429

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	3.40	B		F
7440-39-3	Barium	24.70	B		P
7440-41-7	Beryllium	1.50	B		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	26000.00		E	P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	19.00	U		P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	7440.00		E	P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	3930.00	B		P
7782-49-2	Selenium	3.10	B	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	42800.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	48.50	B		P
7440-66-6	Zinc	9.60	B	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q92

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701431

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	2.90	B		F
7440-39-3	Barium	21.70	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	23900.00		E	P
7440-47-3	Chromium	27.00			P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	365.00			P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	10600.00		E	P
7439-96-5	Manganese	27.90			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4280.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	17400.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	37.00	B		P
7440-66-6	Zinc	12.00	B	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1411

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U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q93

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP014

Matrix (soil/water): WATER Lab Sample ID: 920701432

Level (low/med): LOW Date Received: 7/15/92

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.00	U		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	2.10	B		F
7440-39-3	Barium	34.40	B		P
7440-41-7	Beryllium	1.50	B		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	25000.00		E	P
7440-47-3	Chromium	30.40			P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	33.90	B		P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	11100.00		E	P
7439-96-5	Manganese	28.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4460.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U		P
7440-23-5	Sodium	20000.00		E	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	36.50	B		P
7440-66-6	Zinc	6.00	U	*	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: