WESTON Analytics Use Only
9206L769

BOL: 250986372 UPC: W42-U-0399-33 TASK #: 92-128

Custody Transfer Record/Lab Work Request

WESTON

Client: Westinghouse Hanford Co.
Est. Final Proj. Sampling Date
Work Order #: 6168-02-010000
Project Contact/Phone #: P.H. Butcher (509) 376-5045
AD Project Manager: Jack Kung
QC: Clp Del: Clp TAT: 35
Date Rec'd: 6-24-92 Date Due: 7-24-92
Account #: WS-HANFORD

Refrigerator #		1	5	5	4	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 for Sub

ANALYSES REQUESTED →

ORGANIC							INORG						
VOA	BNA	Pest/PCB	Herb Pesticides	HTOS HTSS	Total Alk.	COD High	Metal	CN	TOC	TOX		Cl, Br, Chlor	NO3, Nitrate

WESTON Analytics Use Only

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓) MS	MSD	Matrix	Date Collected	Time Collected	1 0624H	2 0605H	3 0608H	4	5 MHSTSOH	6 ICOD	7 TOC	8 TOX	9 IS48	MHSLSOH
B - Soil	001	B06PT5			W	6/20/92	0830	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BE - Sediment	002	B06PT6			W	6/20/92	0830										✓
BO - Solid	003	B06PS0					08:30	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BL - Sludge	004	B06PS1															✓
W - Water	005	B06PS2						✓									
O - Oil	006	B06PR1				6-20-92	11:40	✓	✓	✓	✓	✓	✓	✓	✓	✓	
A - Air	007	B06PR2															✓
DS - Drum Solids	008	B06PR3						✓									
DL - Drum Liquids																	
L - EP/TCLP Leachate		Anions = ICCl, ICFl, ICSO4, ICPO4, ICNO2, ICNO3															
WI - Wipe																	
X - Other																	
F - Fish																	

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

DATE/REVISIONS:

Special Instructions: 1) 3, 40mL, aG; CLP-VOA. 2) 3, 2L, aG; SEMI-VOA, PCB/PEST. 3) 1, 1L, P; ICP/AA-METAL, Hg (HNO3) (UNFILTERED). 4) 3, 1L, P; TDS, ANIONS, TSS, ALK. 5) 1, 1L, P; AMMONIA, COD (H2SO4). 6) 1, 250mL, aG; TOC (~~INCLUDES BICARBONATE/CARBONATE~~) (H2SO4). 7) 1, 250mL, Gs; TOX (H2SO4). 8) 1, 1L, P; ~~GROSS ALPHA/BETA, GAMMA SCAN~~ (HNO3). 9) 1, 1L, P; ICP/AA METALS, Hg (HNO3) (FILTERED).

(1) MS/MSD Required

Relinquished by	Received by	Date	Time
Emery	[signature]	6-24-92	12:05
[signature]		6-24-92	

Relinquished by	Received by	Date	Time
	[signature]	6-24-92	

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

WESTON Analytics Use Only

Samples were:
1) Shipped ✓ or Hand Delivered
Airbill # 2509863372
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)
Anions out of Hold.

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# SmL-157, 46; -159, #1; -149, [illegible] 381-596a

FEB 1996 RECEIVED EDMC

START

0043795 9206L769-WES-624

9613425.1413

WESTON Analytics Use Only

9206L769

Custody Transfer Record/Lab Work Request

WESTON

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

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 Assay				INORG Metal	CN					
							WESTON Analytics Use Only (See Page 1)													
							1		2		3	4	5			6	7		8	9
009	B06PQ5			W	6-22-92	0930	✓	✓	✓	✓	✓	✓	✓			✓	✓		✓	
010	B06PQ6			↓	↓	↓														✓
011	B06PQ7			↓	↓	↓	✓													
012	B06Q37 35			W	6-21-92	10:23	✓	✓	✓	✓	✓	✓	✓			✓	✓		✓	
013	B06Q36			↓	↓	↓														✓
014	B06Q37			↓	↓	↓	✓													
015	B06Q38			↓	↓	06:15	✓	✓	✓	✓	✓	✓	✓			✓	✓		✓	
016	B06Q39			↓	↓	↓														✓
017	B06Q40			↓	↓	↓	✓													

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

DATE/REVISIONS:

Special Instructions:
1) 3, 40mL, aG; CLP-VOA. 2) ~~3, 2L, aG; SEMI-VOA, PCB/PEST.~~
3) 1, 1L, P; ICP/AA-METAL, Hg (HNO3) (UNFILTERED) 4) 3, 1L, P; TDS, ANIONS, TSS, ALK. 5) 1, 1L, P; AMMONIA, COD (H2SO4).
6) 1, 250mL, aG; TOC (INCLUDES BICARBONATE/CARBONATE) (H2SO4).
7) 1, 250mL, Gs; TOX (H2SO4). 8) 1, 1L, P; ~~GROSS ALPHA/BETA, GAMMA SCAN~~ (HNO3). 9) 1, 1L, P; ICP/AA METALS, Hg (HNO3) (FILTERED).

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'd Y or N

Relinquished by	Received by	Date	Time
Emery Jackson	[illegible]	6-24-92	12:05
[illegible]		6-24-92	

Relinquished by	Received by	Date	Time
	[illegible]	6-24-92	

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

9217425.1414

BOL: 250786657-2 UFL: W42-U-0594-51 TASK #: 42-628

WESTON Analytics Use Only
9206L769

Custody Transfer Record/Lab Work Request

WESTON

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

Refrigerator #: See Page 1
#/Type Container: Liquid SEE SPECIAL INSTRUCTIONS. / Solid
Volume: Liquid SEE SPECIAL INSTRUCTIONS. / Solid
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/Aviva				INORG: Metal	CN					
							WESTON Analytics Use Only (See Page 1)													
							1		2		3	4	5			6	7		8	9
018	B06Q41			W	6-20-92	06:45	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	
019	B06Q42			↓	↓	↓														✓
020	B06Q43			↓	↓	↓	✓													

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

DATE/REVISIONS:

Special Instructions:
1) 3, 40mL, aG; CLP-VOA. 2) 3, 2L, aG; SEMI-VOA, PCB/PEST.
3) 1, 1L, P; ICP/AA-METAL, Hg (HNO3) (UNFILTERED). 4) 3, 1L, P; TDS, ANIONS, TSS, ALK. 5) 1, 1L, P; AMMONIA, COD (H2SO4).
6) 1, 250mL, aG; TOC (INCLUDES BICARBONATE/CARBONATE) (H2SO4).
7) 1, 250mL, Gs; TOX (H2SO4). 8) 1, 1L, P; GROSS ALPHA/BETA, GAMMA SCAN (HNO3). 9) 1, 1L, P; ICP/AA METALS, Hg (HNO3) (FILTERED).

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
Emery	[illegible]	6-24-92	13:05
[illegible] 6-24-92			

Relinquished by	Received by	Date	Time
	[illegible] 6-24-92		

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

9613425.1415 RECEIVED

9613425.1416

9206L769 (1) 9

Westinghouse Hanford Company	CHAIN OF CUSTODY

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 200AAMS

Ice Chest No. [illegible]

Bill of Lading/Airbill No. [illegible]

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045

Collection Date 6/20/92

Field Logbook No. EFL-1032

Offsite Property No. W92-[illegible]

Sample Identification

B0[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
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)

B0[illegible]

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

~~B0[illegible]~~

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

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Relinquished by: [illegible]	Received by: [illegible]	Date/Time: 6/20/92 1330
Relinquished by:	Received by: [illegible]	Date/Time: [illegible]
Relinquished by: [illegible]	Received by:	Date/Time:
Relinquished by: Emery	Received by: [illegible]	Date/Time: 6/20/92 1705

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

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

9613425.1417

9206L768

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 6/20/92

Ice Chest No. SML-151

Field Logbook No. EEL-1042 p1

Bill of Lading/Airbill No. [illegible]

Offsite Property No. W92-[illegible]34

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Sample Identification

B06PSC
- 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
- 1, 1L, P, WATER, AMMONIA, COD (H2SO4) [illegible]
- 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)

B06PS1
- 1, 1L, P, WATER, ICP/AA METAL & Hg (HNO3) (FILTERED)

B06PS2
- 3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Relinquished by: [illegible]	Received by: [illegible]	Date/Time: 6/20/92 1330
Relinquished by:	Received by: [illegible]	Date/Time: [illegible]
Relinquished by: [illegible]	Received by:	Date/Time:
Relinquished by: [illegible]	Received by: [illegible]	Date/Time: 6/24/92 12:05

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

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

9613425.1418

9206L769

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 6/22/92

Ice Chest No. EFSG-007

Field Logbook No. EFL-1033

Bill of Lading/Airbill No. 250986837-2

Offsite Property No. W92-0-0399-32

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, ~~BOD, DISOLVED OXYGEN,~~ 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: L.D. Walker LD Walker	Received by: Refrigerator	Date/Time: 6-22-92 / 1430
Relinquished by:	Received by: Bill Whitten B.WHITTEN	Date/Time: 6-23-92 0:730
Relinquished by: Bill Whitten B.WHITTEN	Received by:	Date/Time:
Relinquished by: Emery	Received by: [illegible]	Date/Time: 6/24/92 12:05

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

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

9613425.1419

92061769

(4)

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 6-22-92

Ice Chest No. SML-159

Field Logbook No. EFL-1033

Bill of Lading/Airbill No. Q50986837-2

Offsite Property No. W92-0-0399-32

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Sample Identification

B0C[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
1, 1L, P, WATER, AMMONIA, COD (H2SO4) NSH 6/15/92
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)

B0[illegible]

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

B0[illegible]

3, 40 ml, WATER, CLP-VOA

[] Field Transfer of Custody	Chain of Possession	(Sign and Print Names)
Relinquished by: L.D. Walker 6-22-92	Received by: Refrigerator #1	Date/Time: 6-22-92 / 1430
Relinquished by:	Received by: B WHITE	Date/Time: 6-23-92 - 07:30
Relinquished by: B WHITE	Received by:	Date/Time:
Relinquished by: Emery	Received by:	Date/Time: 6-24-92 19:05

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

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

9613425.1420

9206L769

Westinghouse Hanford Company	CHAIN OF CUSTODY

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 200AAMS

Ice Chest No. SML-149

Bill of Lading/Airbill No. 250986937-2

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045

Collection Date 6/21/92

Field Logbook No. EFL - 1032

Offsite Property No. W92-0-0399-31

Sample Identification

B0[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)

B0[illegible]

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

B0[illegible]

3, 40 ml, WATER, CLP-VOA

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

Relinquished by:	Received by:	Date/Time:
[illegible]	[illegible] to refrigerator	6/21/92 1300
Relinquished by:	Received by:	Date/Time:
	B.WHITTEN	6-23-92 - 0:730
Relinquished by:	Received by:	Date/Time:
B.WHITTEN		
Relinquished by:	Received by:	Date/Time:
Emery	[illegible]	6-24-92 12:05

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

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

9613425.1421

00000192064769

(6)

Westinghouse Hanford Company	CHAIN OF CUSTODY

Custody Form Initiator PH BUTCHER

Company Contact PH BUTCHER

Project Designation/Sampling Locations 200AAMS

Ice Chest No #1

Bill of Lading/Airbill No. 2500496972

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Telephone (509)376-5045

Collection Date 6-21-92

Field Logbook No. EFL-1032

Offsite Property No. W92-01-0799-33

Sample Identification

B06G[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)

B06G[illegible]

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

B06G[illegible]

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	relinq. to refrigerator	6/21/92 1300
Relinquished by:	Received by:	Date/Time:
	K. Tran / K. Tran	6/22/92 0730
Relinquished by:	Received by:	Date/Time:
K. Tran / K. Tran		
Relinquished by:	Received by:	Date/Time:
Emery	[illegible]	6-24-92 12:05

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

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

9613425.1422

9206L769 ①

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 6/20/92

Ice Chest No. SML-154

Field Logbook No. EFL-

Bill of Lading/Airbill No. 250986837-2

Offsite Property No. W92-0-0399-31

Method of Shipment EMERY

Shipped to WESTON

Possible Sample Hazards/Remarks N/A

Sample Identification

BO6[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)

BO6[illegible]

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

BO6[illegible]

3, 40 ml, WATER, CLP-VOA

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

Relinquished by:	Received by:	Date/Time:
Kelly D. Lee	return to refrigerator	6/20/92 1330
Relinquished by:	Received by:	Date/Time:
	B WHITEN	6-23-92 07:30
Relinquished by:	Received by:	Date/Time:
B. WHITEN		
Relinquished by:	Received by:	Date/Time:
Emery		6-24-92 12:05

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

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

92061769

EMERY WORLDWIDE — A CF Company

SIGNATURE AND TALLY RECORD

60029-46 (8/89) Litho USA

DATE: 06-23-92 SHIPMENT NO.: 250986837 2
SHIPPER: WESTINGHOUSE SHIPPING DEPT (509) 376-6665
REFERENCE NO.: W92-0-0399#31, #32, #33 &#34

SHIPPER NAME AND ADDRESS
WESTINGHOUSE SHIPPING DEPT (509) 376-6665
02-06 U.S. DEPARTMENT OF ENERGY C/O
WESTINGHOUSE HANFORD COMPANY
2355 STEVENS DRIVE 1163 BUILDING
PO BOX 1970
RICHLAND WA 99352

74

CONSIGNEE NAME AND ADDRESS
JOSIE KING
RF WESTON INC
208 WELSH POOL ROAD
LIONVILLE PA 19341

Pieces	Weight	Description/Marks	Emery Authorization No.
7	512 LBS	WATER SAMPLES #46 71# #1 72#; SML151 71# COOLER ID: SML149 72#; SML154 73#;EFSG007 76#; SML159 77#;	

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. Ted [illegible] EDW	PHL	[illegible]	15[illegible]
4. [illegible]	PHL	[illegible]	[illegible]
5.			
6. B. [illegible]	PHL	[illegible]	6-24-92 35
7. JON H. RICHARDSON	WESTON	[illegible]	6-24-[illegible]5
8.			

SPECIAL HANDLING INSTRUCTIONS

CONSIGNEE COPY

96 1425 1423

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

Report Date: 07/27/92 10:00

RFW Batch Number: 9206L769 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Page: 1a

	Cust ID:	B06PT5		B06PT5		B06PT5		B06PS0		B06PS2		B06PR1	
Sample Information	RFW#:	001		001 MS		001 MSD		003		005		006	
	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	98	%	97	%	98	%	100	%	96	%	96	%
	Bromofluorobenzene	100	%	97	%	99	%	99	%	100	%	98	%
	1,2-Dichloroethane-d4	99	%	101	%	100	%	96	%	98	%	98	%
			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		2	J	9	B	10	B	3	JB	9	B	7	B
Acetone		3	J	10	U	10	U	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	104	%	101	%	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	5	U
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	5	U
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	102	%	101	%	5	U	5	U	5	U
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	99	%	96	%	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.

9613425.1424

RFW Batch Number: 9206L769 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Page: 1b

Cust ID:	B06PT5	B06PT5	B06PT5	B06PS0	B06PS2	B06PR1
RFW#:	001	001 MS	001 MSD	003	005	006
Toluene	5 U	102 %	100 %	5 U	5 U	5 U
Chlorobenzene	5 U	103 %	102 %	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.

9613425.1425
00016

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

RFW Batch Number: 9206L769 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Report Date: 07/27/92 10:00 Page: 2a

	Cust ID:	B06PR3		B06PQ5		B06PQ7		B06Q35		B06Q37		B06Q38	
Sample Information	RFW#:	008		009		011		012		014		015	
	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	99	%	92	%	94	%	96	%	96	%	89	%
	Bromofluorobenzene	100	%	95	%	98	%	101	%	97	%	94	%
	1,2-Dichloroethane-d4	101	%	95	%	101	%	98	%	93	%	95	%
			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		12	B	12	B	14	B	12	B	12	B	10	B
Acetone		10	U	10	U	10	U	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	5	U
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	5	U
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	U
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.

9213425.1426

Cust ID:	B06PR3	B06PQ5	B06PQ7	B06Q35	B06Q37	B06Q38
RFW#:	008	009	011	012	014	015
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.

9613425.1427
R000017

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

RFW Batch Number: 9206L769 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Report Date: 07/27/92 10:00 Page: 3a

	Cust ID:	B06Q40	B06Q41	B06Q43	VBLK	VBLK BS	VBLK
Sample Information	RFW#:	017	018	020	92LVW129-MB1	92LVW129-MB1	92LVW130-MB1
	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	100 %	97 %	100 %	98 %	96 %	101 %
	Bromofluorobenzene	102 %	100 %	104 %	98 %	96 %	98 %
	1,2-Dichloroethane-d4	90 %	102 %	99 %	96 %	94 %	95 %
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		25 B	16 B	5 B	2 J	5 B	2 J
Acetone		2 JB	22 B	5 JB	2 J	10 U	4 J
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	106 %	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	5 U
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	5 U
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	103 %	5 U
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	103 %	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.

9613425.1428

Cust ID:	B06Q40	B06Q41	B06Q43	VBLK	VBLK BS	VBLK
RFW#:	017	018	020	92LVW129-MB1	92LVW129-MB1	92LVW130-MB1
Toluene	5 U	2 J	5 U	5 U	103 %	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	104 %	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.

9612425.1429

9613425.1430

6 0 0 0 2 3

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLES RECEIVED:** 06-24-92
RFW #: 9206L769, GC/MS VOLATILE
W.O. #: 6168-02-01

NARRATIVE

The set of samples consisted of thirteen (13) water samples collected on 06-20,21,22-92.

The samples were analyzed according to criteria set forth in CLP SOW 02/88 (Rev. 05/89) for TCL Volatile target compounds on 07-01,02-92.

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. All surrogate recoveries were within EPA QC limits.

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

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

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

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

Margaret M. Beaty 8/3/92

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

mmz/voa/06-769v.cn

9613425.1431

WESTON

ADDENDUM

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Margaret M. Beaty Name: MARGARET M. Beaty

Date: 8/3/92 Title: Section MANAGER

pas\4-92\addendum

9613425.1432

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PT5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-001

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

Lab File ID: W070111

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	3	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

9613425.1433 0000040

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PT5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-001

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

Lab File ID: W070111

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1434

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PS0

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-003

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

Lab File ID: W070113

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	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

9613425.1435

1E

VOLATILE ORGANICS ANALYSIS SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PS0

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-003

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

Lab File ID: W070113

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1436

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

BO6PS2

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-005

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

Lab File ID: W070114

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	9	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

9613425.1437

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

BO6PS2

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-005

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

Lab File ID: W070114

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1438

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PR1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-006

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

Lab File ID: W070115

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	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

9613425.1439

1E

VOLATILE ORGANICS ANALYSIS SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PR1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-006

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

Lab File ID: W070115

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1440

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PR3

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-008

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

Lab File ID: W070116

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	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	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

9613425.1441

1E

VOLATILE ORGANICS ANALYSIS SHEET 0000070

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PR3

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-008

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

Lab File ID: W070116

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1442

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PQ5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-009

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

Lab File ID: W070117

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	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	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

9613425.1443

1E

A000077

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PQ5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-009

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

Lab File ID: W070117

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1444

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PQ7

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-011

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

Lab File ID: W070118

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	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

9613425.1445

1E

VOLATILE ORGANICS ANALYSIS SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PQ7

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-011

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

Lab File ID: W070118

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1446

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q35

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-012

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

Lab File ID: W070119

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	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	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

9613425.1447

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q35

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-012

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

Lab File ID: W070119

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1448

1A

VOLATILE ORGANICS ANALYSIS SHEET

0 0 0 0 0 9 7

CLIENT SAMPLE NO.

B06Q37

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-014

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

Lab File ID: W070120

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	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	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

9613425.1449

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q37

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-014

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

Lab File ID: W070120

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1450

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q38

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-015

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

Lab File ID: W070121

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	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

9613425.1451

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q38

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-015

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

Lab File ID: W070121

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/01/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1452

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q40

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-017

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

Lab File ID: W070207

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/02/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	25	B
67-64-1	Acetone	2	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

9613425.1453

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q40

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-017

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

Lab File ID: W070207

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/02/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1454

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q41

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-018

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

Lab File ID: W070208

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/02/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	16	B
67-64-1	Acetone	22	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	2	J
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

9613425.1455

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q41

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-018

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

Lab File ID: W070208

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/02/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613425.1456

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q43

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-020

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

Lab File ID: W070209

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/02/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
67-64-1	Acetone	5	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

9613425.1457

1E

0000132

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q43

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-020

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

Lab File ID: W070209

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____

Date Analyzed: 07/02/92

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

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

RFW Batch Number: 9206L769 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Report Date: 08/07/92 17:09 Page: 1a

	Cust ID:	B06PT5		B06PT5		B06PT5		B06PS0		B06PS0		B06PR1	
Sample Information	RFW#:	001		001 MS		001 MSD		003		003 RE		006	
	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	56	%	57	%	68	%	42	%	41	%	47	%
	2-Fluorobiphenyl	79	%	76	%	83	%	60	%	58	%	69	%
	p-Terphenyl-d14	132	%	109	%	121	%	108	%	89	%	104	%
	Phenol-d5	31	%	24	%	29	%	18	%	18	%	22	%
	2-Fluorophenol	47	%	36	%	41	%	27	%	27	%	33	%
	2,4,6-Tribromophenol	105	%	102	%	101	%	70	%	55	%	80	%
			fl		fl		fl		fl		fl		fl
Phenol		11	U	29	%	34	%	10	U	10	U	10	U
bis(2-Chloroethyl)ether		11	U	10	U	10	U	10	U	10	U	10	U
2-Chlorophenol		11	U	59	%	68	%	10	U	10	U	10	U
1,3-Dichlorobenzene		11	U	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene		11	U	63	%	72	%	10	U	10	U	10	U
Benzyl alcohol		11	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene		11	U	10	U	10	U	10	U	10	U	10	U
2-Methylphenol		11	U	10	U	10	U	10	U	10	U	10	U
bis(2-Chloroisopropyl)ether		11	U	10	U	10	U	10	U	10	U	10	U
4-Methylphenol		11	U	10	U	10	U	10	U	10	U	10	U
N-Nitroso-Di-n-propylamine		11	U	59	%	76	%	10	U	10	U	10	U
Hexachloroethane		11	U	10	U	10	U	10	U	10	U	10	U
Nitrobenzene		11	U	10	U	10	U	10	U	10	U	10	U
Isophorone		11	U	10	U	10	U	10	U	10	U	10	U
2-Nitrophenol		11	U	10	U	10	U	10	U	10	U	10	U
2,4-Dimethylphenol		11	U	10	U	10	U	10	U	10	U	10	U
Benzoic acid		55	U	50	U	50	U	50	U	50	U	50	U
bis(2-Chloroethoxy)methane		11	U	10	U	10	U	10	U	10	U	10	U
2,4-Dichlorophenol		11	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene		11	U	70	%	81	%	10	U	10	U	10	U
Naphthalene		11	U	10	U	10	U	10	U	10	U	10	U
4-Chloroaniline		11	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobutadiene		11	U	10	U	10	U	10	U	10	U	10	U
4-Chloro-3-methylphenol		11	U	56	%	74	%	10	U	10	U	10	U
2-Methylnaphthalene		11	U	10	U	10	U	10	U	10	U	10	U
Hexachlorocyclopentadiene		11	U	10	U	10	U	10	U	10	U	10	U

*= Outside of EPA CLP QC limits.

000009
9613425.1458

Cust ID:	B06PT5		B06PT5		B06PT5		B06PS0		B06PS0		B06PR1	
RFW#:	001		001 MS		001 MSD		003		003 RE		006	
2,4,6-Trichlorophenol	11	U	10	U	10	U	10	U	10	U	10	U
2,4,5-Trichlorophenol	55	U	50	U	50	U	50	U	50	U	50	U
2-Chloronaphthalene	11	U	10	U	10	U	10	U	10	U	10	U
2-Nitroaniline	55	U	50	U	50	U	50	U	50	U	50	U
Dimethylphthalate	11	U	10	U	10	U	10	U	10	U	10	U
Acenaphthylene	11	U	10	U	10	U	10	U	10	U	10	U
2,6-Dinitrotoluene	11	U	10	U	10	U	10	U	10	U	10	U
3-Nitroaniline	55	U	50	U	50	U	50	U	50	U	50	U
Acenaphthene	11	U	81	%	90	%	10	U	10	U	10	U
2,4-Dinitrophenol	55	U	50	U	50	U	50	U	50	U	50	U
4-Nitrophenol	55	U	24	%	28	%	50	U	50	U	50	U
Dibenzofuran	11	U	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene	11	U	100 *	%	119 *	%	10	U	10	U	10	U
Diethylphthalate	11	U	10	U	10	U	10	U	10	U	10	U
4-Chlorophenyl-phenylether	11	U	10	U	10	U	10	U	10	U	10	U
Fluorene	11	U	10	U	10	U	10	U	10	U	10	U
4-Nitroaniline	55	U	50	U	50	U	50	U	50	U	50	U
4,6-Dinitro-2-methylphenol	55	U	50	U	50	U	50	U	50	U	50	U
N-Nitrosodiphenylamine (1)	11	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl-phenylether	11	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobenzene	11	U	10	U	10	U	10	U	10	U	10	U
Pentachlorophenol	55	U	78	%	64	%	50	U	50	U	50	U
Phenanthrene	11	U	10	U	10	U	10	U	10	U	10	U
Anthracene	11	U	10	U	10	U	10	U	10	U	10	U
Di-n-Butylphthalate	2	JB	2	JB	10	U	1	JB	2	JB	2	JB
Fluoranthene	11	U	10	U	10	U	10	U	10	U	10	U
Pyrene	11	U	134 *	%	142 *	%	10	U	10	U	10	U
Butylbenzylphthalate	11	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	22	U	20	U	20	U	20	U	20	U	20	U
Benzo(a)anthracene	11	U	10	U	10	U	10	U	10	U	10	U
Chrysene	11	U	10	U	10	U	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	8	JB	8	JB	2	JB	4	JB	5	JB	6	JB
Di-n-Octyl phthalate	11	U	10	U	10	U	10	U	10	U	10	U
Benzo(b)fluoranthene	11	U	10	U	10	U	10	U	10	U	10	U
Benzo(k)fluoranthene	11	U	10	U	10	U	10	U	10	U	10	U
Benzo(a)pyrene	11	U	10	U	10	U	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	11	U	10	U	10	U	10	U	10	U	10	U
Dibenzo(a,h)anthracene	11	U	10	U	10	U	10	U	10	U	10	U
Benzo(g,h,i)perylene	11	U	10	U	10	U	10	U	10	U	10	U

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

9613425.1459

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

RFW Batch Number: 9206L769 | Client: WESTINGHOUSE HANFORD | Work Order: 6168-02-01-0000 | Report Date: 08/07/92 17:09 | Page: 2a

	Cust ID:	B06PQ5	B06Q35	B06Q38	B06Q38	B06Q41	SBLK
Sample Information	RFW#:	009	012	015	015	018	92LE0938-MB1
	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 REPREP	ug/L	ug/L
Surrogate Recovery	Nitrobenzene-d5	73 %	60 %	4 * %	54 %	46 %	53 %
	2-Fluorobiphenyl	80 %	81 %	8 * %	63 %	62 %	72 %
	p-Terphenyl-d14	66 %	103 %	17 * %	113 %	104 %	118 %
	Phenol-d5	32 %	25 %	31 %	62 %	20 %	25 %
	2-Fluorophenol	45 %	38 %	38 %	56 %	18 * %	38 %
	2,4,6-Tribromophenol	66 %	83 %	47 %	72 %	40 %	96 %
		fl	fl	fl	fl	fl	fl
Phenol		10 U	10 U	10 U	10 U	33	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	2 J	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	1 J	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.

0000010
0941.3425.1460

Cust ID:	B06PQ5		B06Q35		B06Q38		B06Q38		B06Q41		SBLK	
RFW#:	009		012		015		015 REPREP		018		92LE0938-MB1	
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	10	U	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	3	JB	2	JB	14	B	2	JB	3	JB	1	J
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	13	B	6	JB	28	B	20	B	20	B	4	J
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.

0000011
9613425.1461

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

RFW Batch Number: 9206L769 | Client: WESTINGHOUSE HANFORD | Work Order: 6168-02-01-0000 | Report Date: 08/07/92 17:09 | Page: 3a

	Cust ID:	SBLK BS		SBLK		SBLK BS		SBLK BSD	
Sample Information	RFW#:	92LE0938-MB1		92LE1214-MB1		92LE1214-MB1		92LE1214-MB1	
	Matrix:	WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		1.00		1.00	
	Units:	ug/L		ug/L		ug/L		ug/L	
Surrogate Recovery	Nitrobenzene-d5	73	%	82	%	87	%	88	%
	2-Fluorobiphenyl	96	%	77	%	84	%	85	%
	p-Terphenyl-d14	130	%	108	%	97	%	95	%
	Phenol-d5	11	%	74	%	93	%	93	%
	2-Fluorophenol	17 *	%	70	%	85	%	86	%
	2,4,6-Tribromophenol	37	%	69	%	105	%	102	%
Phenol		13	%	10	U	95 *	%	94 *	%
bis(2-Chloroethyl)ether		10	U	10	U	10	U	10	U
2-Chlorophenol		28	%	10	U	84	%	83	%
1,3-Dichlorobenzene		10	U	10	U	10	U	10	U
1,4-Dichlorobenzene		78	%	10	U	67	%	66	%
Benzyl alcohol		10	U	10	U	10	U	10	U
1,2-Dichlorobenzene		10	U	10	U	10	U	10	U
2-Methylphenol		10	U	10	U	10	U	10	U
bis(2-Chloroisopropyl)ether		10	U	10	U	10	U	10	U
4-Methylphenol		10	U	10	U	10	U	10	U
N-Nitroso-Di-n-propylamine		87	%	10	U	90	%	91	%
Hexachloroethane		10	U	10	U	10	U	10	U
Nitrobenzene		10	U	10	U	10	U	10	U
Isophorone		10	U	10	U	10	U	10	U
2-Nitrophenol		10	U	10	U	10	U	10	U
2,4-Dimethylphenol		10	U	10	U	10	U	10	U
Benzoic acid		50	U	50	U	50	U	50	U
bis(2-Chloroethoxy)methane		10	U	10	U	10	U	10	U
2,4-Dichlorophenol		10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene		90	%	10	U	70	%	68	%
Naphthalene		10	U	10	U	10	U	10	U
4-Chloroaniline		10	U	10	U	10	U	10	U
Hexachlorobutadiene		10	U	10	U	10	U	10	U
4-Chloro-3-methylphenol		26	%	10	U	84	%	84	%
2-Methylnaphthalene		10	U	10	U	10	U	10	U
Hexachlorocyclopentadiene		10	U	10	U	10	U	10	U

*= Outside of EPA CLP QC limits.

0100012
9613425.1462

9613425.1463

0000018

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLES RECEIVED:** 06-24-92
RFW #: 9206L769, SEMIVOLATILE
W.O. #: 6168-02-01

NARRATIVE

The set of samples consisted of seven (7) water samples collected on 06-20,21,22-92.

The samples were extracted on 06-26-92 and 07-31-92 and analyzed according to criteria set forth in CLP SOW 02/88 (Rev. 05/89) for TCL Semivolatile target compounds on 07-18,20-92 and 08-06-92.

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

1. Sample B06Q38 was re-extracted outside holding time.

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

3. Five (5) of ninety-six (96) surrogate recoveries were outside EPA QC limits. EPA CLP surrogate recovery criteria was not met for sample B06Q38. The sample was re-extracted on 07-31-92, re-analyzed on 08-06-92 and reported.

4. Four (4) of twenty-two (22) matrix spike recoveries were outside EPA QC limits.

5. Eleven (11) of thirty-three (33) blank spike recoveries were outside EPA QC limits.

6. Internal standard areas were outside QC limits for sample B06PS0. The sample was re-analyzed on 07-20-92.

Jack R. Tuschall, Ph.D. 08.13.92
Laboratory Manager Date
Lionville Analytical Laboratory

kls/06-769b.cn

WESTON

ADDENDUM

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

9613425.1465

1B

0100037 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS SHEET

B06PT5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-001

Sample wt/vol: 910 (g/mL) ML Lab File ID: S071811

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/18/92

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	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl)ether	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-Di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic acid	55	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	55	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	55	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

9613425.1466

1C 0700038 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS SHEET

B06PT5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769- 1

Sample wt/vol: 910 (g/mL) ML Lab File ID: S071811

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/18/92

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	55	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	55	U
100-02-7	4-Nitrophenol	55	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	55	U
534-52-1	4,6-Dinitro-2-methylphenol	55	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	55	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-Butylphthalate	2	JB
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	8	JB
117-84-0	Di-n-Octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenzo(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

9613425.1467

1F

0700039

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PT5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-001

Sample wt/vol: 910 (g/mL) ML

Lab File ID: S071811

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____ dec.

Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 07/18/92

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

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.				

9613425.1468

1B

0200050

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PS0

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-003

Sample wt/vol: 980 (g/mL) ML Lab File ID: S071814

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/18/92

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

9613425.1469

1C

0000051

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PS0

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-003

Sample wt/vol: 980 (g/mL) ML Lab File ID: S071814

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/18/92

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	4	JB
117-84-0	Di-n-Octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

9613425.1470

1F

0200052

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06PS0

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sar le ID: 9206L769-003

Sample wt/vol: 980 (g/mL) ML

Lab File ID: S071814

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____ dec.

Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 07/18/92

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

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.				

9613425.1471

1B

0000063

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PS0RE

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-( ) RE

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072006

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

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

9613425.1472

1C

0000064

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PSORE

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-003 RE

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072006

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

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	5	JB
117-84-0	Di-n-Octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

9613425.1473

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0200073

CLIENT SAMPLE NO.

B06PR1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-0C

Sample wt/vol: 980 (g/mL) ML

Lab File ID: S071815

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____ dec.

Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 07/18/92

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

9613425.1474

1C 0000074

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06PR1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-006

Sample wt/vol: 980 (g/mL) ML Lab File ID: S071815

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/18/92

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	6	JB
117-84-0	Di-n-Octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

9613425.1475

1F

0000075

CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B06PR1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-006

Sample wt/vol: 980 (g/mL) ML

Lab File ID: S071815

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____ dec.

Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 07/18/92

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

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.				

9613425.1476

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0 0 0 0 8 8

CLIENT SAMPLE NO.

B06PQ5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-009

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072005

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

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

9613425.1477

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 000087

CLIENT SAMPLE NO.

B06PQ5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-009

Sample wt/vol: 980 (g/mL) ML

Lab File ID: S072005

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____ dec.

Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 07/20/92

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	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

9613425.1478

1F 0 0 0 0 8 8

CLIENT SAMPLE NO.

B06PQ5

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: 9206L769-009

Sample wt/vol: 980 (g/mL) ML

Lab File ID: S072005

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____ dec.

Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 07/20/92

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

Dilution Factor: 1.00

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	BIS(DIMETHYLETHYL)PHENOL	14.80	6	J
2.	ADIPATE	22.47	7	J
3.	UNKNOWN	23.27	5	J
4.	UNKNOWN	25.72	10	JB

9613425.1479

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0700102

CLIENT SAMPLE NO.

B06Q35

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-012

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072007

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

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

9613425.1480

1C

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0200103

CLIENT SAMPLE NO.

B06Q35

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-012

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072007

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	
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	6	JB
117-84-0	Di-n-Octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

9613425.1481

1F

0200104

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q35

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-012

Sample wt/vol: 980 (g/mL) ML

Lab File ID: S072007

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____ dec.

Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 07/20/92

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

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.				

9613425.1482

1B 0000113 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS SHEET

B06Q38

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-015

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072008

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	
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

9613425.1483

1C 0700114 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS SHEET

B06Q38

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample #: 9206L769-015

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072008

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

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	14	B
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

9613425.1484

1F 0200115

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q38

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-015

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072008

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

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	22.45	10	J
2.	UNKNOWN	25.68	40	JB

9613425.1485

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0100127

CLIENT SAMPLE NO.

B06Q38RE

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-015

Sample wt/vol: 990 (g/mL) ML Lab File ID: S080607

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 07/31/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/06/92

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

9613425.1486

1C 0 0 0 1 2 8

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q38RE

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-015

Sample wt/vol: 990 (g/mL) ML Lab File ID: S080607

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 07/31/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/06/92

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	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

9613425.1487

1F 2 0700129

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

B06Q38RE

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample : 9[illegible]6L769-015

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

Lab File ID: S080607

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____ dec.

Date Extracted: 07/31/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/06/92

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	25.33	30	JB

9613425.1488

1B

SEMIVOLATILE ORGANICS ANALYSIS SHEET 0200140

CLIENT SAMPLE NO.

B06Q41

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-018

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072009

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
108-95-2	Phenol	33	
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	2	J
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	1	J
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

9613425.1489

1C

0000141

SEMIVOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

B06Q41

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID. 9206L769-018

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072009

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

GPC Cleanup: (Y/N) N pH: 8.0 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	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

9613425.1490

1F 0700142 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B06Q41

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-018

Sample wt/vol: 980 (g/mL) ML Lab File ID: S072009

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/26/92

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/20/92

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.43	10	J
2.	UNKNOWN	7.70	80	J
3.	UNKNOWN	7.85	6	J
4.	ORGANIC ACID	8.82	10	J
5.	ORGANIC ACID	9.67	10	J
6.	UNKNOWN	11.17	7	J
7.	UNKNOWN	11.93	4	J
8.	UNKNOWN	16.97	5	J
9.	BENZOTHIAZOLONE	17.12	90	J
10.	UNKNOWN PHENOL	18.18	10	J
11.	UNKNOWN	18.62	70	J
12.	MERCAPTOBENZOTHIAZOLE	19.98	100	J
13.	UNKNOWN	20.45	10	J
14.	UNKNOWN	22.32	5	J
15.	ADIPATE	22.45	8	J
16.	UNKNOWN	23.18	5	J

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

Report Date: 08/04/92 11:17

RFW Batch Number: 9206L769 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Page: 1

	Cust ID:	B06PT5	B06PT5	B06PT5	B06PS0	B06PR1	B06PQ5
Sample Information	RFW#:	001	001 MS	001 MSD	003	006	009
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	2.00	2.00	1.00	1.00	1.00
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Surrogate: Di-n-butylchlorendate		93 %	82 %	78 %	77 %	95 %	53 %
Alpha-BHC		0.050 U	0.20 U	0.20 U	0.050 U	0.050 U	0.050 U
Beta-BHC		0.050 U	0.20 U	0.20 U	0.050 U	0.050 U	0.050 U
Delta-BHC		0.050 U	0.20 U	0.20 U	0.050 U	0.050 U	0.050 U
gamma-BHC (Lindane)		0.050 U	55 * %	40 * %	0.050 U	0.050 U	0.050 U
Heptachlor		0.050 U	60 %	45 %	0.050 U	0.050 U	0.050 U
Aldrin		0.050 U	60 %	45 %	0.050 U	0.050 U	0.050 U
Heptachlor epoxide		0.050 U	0.20 U	0.20 U	0.050 U	0.050 U	0.050 U
Endosulfan I		0.050 U	0.20 U	0.20 U	0.050 U	0.050 U	0.050 U
Dieldrin		0.10 U	64 %	44 * %	0.10 U	0.10 U	0.10 U
4,4'-DDE		0.10 U	0.40 U	0.40 U	0.10 U	0.10 U	0.10 U
Endrin		0.10 U	58 %	58 %	0.10 U	0.10 U	0.10 U
Endosulfan II		0.10 U	0.40 U	0.40 U	0.10 U	0.10 U	0.10 U
4,4'-DDD		0.10 U	0.40 U	0.40 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate		0.10 U	0.40 U	0.40 U	0.10 U	0.10 U	0.10 U
4,4'-DDT		0.10 U	58 %	40 %	0.10 U	0.10 U	0.10 U
Methoxychlor		0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U
Endrin ketone		0.10 U	0.40 U	0.40 U	0.10 U	0.10 U	0.10 U
alpha-Chlordane		0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U
gamma-Chlordane		0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U
Toxaphene		1.0 U	4.0 U	4.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1016		0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U
Aroclor-1221		0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U
Aroclor-1232		0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U
Aroclor-1242		0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U
Aroclor-1248		0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U
Aroclor-1254		1.0 U	4.0 U	4.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260		1.0 U	4.0 U	4.0 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

9613425.1491
000008

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

RFW Batch Number: 9206L769 | Client: WESTINGHOUSE HANFORD | Work Order: 6168-02-01-0000 | Report Date: 08/04/92 11:17 | Page: 2

	Cust ID:	B06Q35	B06Q38	B06Q41	PBLK	PBLK BS
Sample Information	RFW#:	012	015	018	92LE0930-MB1	92LE0930-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	10.0	1.00	2.00
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L
Surrogate: Di-n-butylchlorendate		90 %	97 %	102 %	70 %	91 %
Alpha-BHC		0.050 U	0.050 U	0.50 U	0.050 U	0.10 U
Beta-BHC		0.050 U	0.050 U	0.50 U	0.050 U	0.10 U
Delta-BHC		0.050 U	0.050 U	0.50 U	0.050 U	0.10 U
gamma-BHC (Lindane)		0.050 U	0.050 U	0.50 U	0.050 U	60 %
Heptachlor		0.050 U	0.050 U	0.50 U	0.050 U	65 %
Aldrin		0.050 U	0.050 U	0.50 U	0.050 U	60 %
Heptachlor epoxide		0.050 U	0.050 U	0.50 U	0.050 U	0.10 U
Endosulfan I		0.050 U	0.050 U	0.50 U	0.050 U	0.10 U
Dieldrin		0.10 U	0.10 U	1.0 U	0.10 U	68 %
4,4'-DDE		0.10 U	0.10 U	1.0 U	0.10 U	0.20 U
Endrin		0.10 U	0.10 U	1.0 U	0.10 U	66 %
Endosulfan II		0.10 U	0.10 U	1.0 U	0.10 U	0.20 U
4,4'-DDD		0.10 U	0.10 U	1.0 U	0.10 U	0.20 U
Endosulfan sulfate		0.10 U	0.10 U	1.0 U	0.10 U	0.20 U
4,4'-DDT		0.10 U	0.10 U	1.0 U	0.10 U	66 %
Methoxychlor		0.50 U	0.50 U	5.0 U	0.50 U	1.0 U
Endrin ketone		0.10 U	0.10 U	1.0 U	0.10 U	0.20 U
alpha-Chlordane		0.50 U	0.50 U	5.0 U	0.50 U	1.0 U
gamma-Chlordane		0.50 U	0.50 U	5.0 U	0.50 U	1.0 U
Toxaphene		1.0 U	1.0 U	10 U	1.0 U	2.0 U
Aroclor-1016		0.50 U	0.50 U	5.0 U	0.50 U	1.0 U
Aroclor-1221		0.50 U	0.50 U	5.0 U	0.50 U	1.0 U
Aroclor-1232		0.50 U	0.50 U	5.0 U	0.50 U	1.0 U
Aroclor-1242		0.50 U	0.50 U	5.0 U	0.50 U	1.0 U
Aroclor-1248		0.50 U	0.50 U	5.0 U	0.50 U	1.0 U
Aroclor-1254		1.0 U	1.0 U	10 U	1.0 U	2.0 U
Aroclor-1260		1.0 U	1.0 U	10 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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9613425.1492

9613425.1493

10A

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLES RECEIVED:** 06-24-92
RFW #: 9206L769, PEST/PCB
W.O. #: 6168-02-01

NARRATIVE

The set of samples consisted of seven (7) water samples collected on 06-20,21,22-92.

The samples were extracted on 06-25-92 and analyzed according to criteria set forth in the Contract Laboratory Program for Pesticide and PCB target compounds on 07-20,21-92.

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. Continuing calibration criteria were exceeded prior to sample extracts for several target compounds for standards analyzed on the SP2250/2401 column on 07-21-92 at 07:41 and 20:03 and on the SP2100 column on 07-20-92 at 10:27 and 11:19 and on 07-21-92 at 03:03, 07:43 and 20:05.

   Column maintenance was performed. The appropriate calibration criteria were achieved for all compounds requiring quantitation and confirmation analysis.

3. Retention time criteria were met for all compounds on both the primary and confirmation columns.

4. All surrogate recoveries were within EPA QC limits.

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

9613425.1494

10B

WESTON
MANAGERS DESIGNERS/CONSULTANTS

6. Three (3) of twelve (12) matrix spike recoveries were outside the EPA QC limits. The matrix spike recoveries for the following compounds were outside EPA QC limits:

Compound ID	% Recovery	Limits
Gamma-BHC	55%, 40%	56%
Dieldrin	44%	52%

7. Sample B06Q41 required a 10-fold dilution because it contained high levels of non-target compounds.

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

Margaret M. Beaty for 8/13/92

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

sma/pcb/06-769pp.cn

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WESTON

ADDENDUM

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Margaret M. Beaty Name: MARGARET M. BEATY

Date: 8/13/92 Title: SECTION MANAGER

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1D
PESTICIDE ORGANICS ANALYSIS SHEET

000018 CLIENT SAMPLE NO.

B06PT5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 07199203.29

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/25/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/20/92

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

DER 8/5/92

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PESTICIDE ORGANICS ANALYSIS SHEET

0000023 CLIENT SAMPLE NO.

B06PS0

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 07199203.32

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/25/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/20/92

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

DER 8/5/92

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PESTICIDE ORGANICS ANALYSIS SHEET

0000028 CLIENT SAMPLE NO.

B06PR1

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 07199203.33

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/25/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/20/92

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

0000033 CLIENT SAMPLE NO.

B06PQ5

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 07199203.36

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/25/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/20/92

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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0000038 CLIENT SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS SHEET

B06Q35

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 07199203.37

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/25/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/20/92

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.

B06Q38

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER

Lab Sample ID: 9206L769-015

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

Lab File ID: 07199203.38

Level: (low/med) LOW

Date Received: 06/24/92

% Moisture: not dec. _____ dec.

Date Extracted: 06/25/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/20/92

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.

B06Q41

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

Client: WESTINGHOUSE HANFORD

Matrix: WATER Lab Sample ID: 9206L769-018

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 07199203.74

Level: (low/med) LOW Date Received: 06/24/92

% Moisture: not dec. _____ dec. Date Extracted: 06/25/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/21/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 10.0

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

CAS NO.	COMPOUND		
319-84-6	Alpha-BHC	0.50	U
319-85-7	Beta-BHC	0.50	U
319-86-8	Delta-BHC	0.50	U
58-89-9	gamma-BHC (Lindane)	0.50	U
76-44-8	Heptachlor	0.50	U
309-00-2	Aldrin	0.50	U
1024-57-3	Heptachlor epoxide	0.50	U
959-98-8	Endosulfan I	0.50	U
60-57-1	Dieldrin	1.0	U
72-55-9	4,4'-DDE	1.0	U
72-20-8	Endrin	1.0	U
33213-65-9	Endosulfan II	1.0	U
72-54-8	4,4'-DDD	1.0	U
1031-07-8	Endosulfan sulfate	1.0	U
50-29-3	4,4'-DDT	1.0	U
72-43-5	Methoxychlor	5.0	U
53494-70-5	Endrin ketone	1.0	U
5103-71-9	alpha-Chlordane	5.0	U
5103-74-2	gamma-Chlordane	5.0	U
8001-35-2	Toxaphene	10	U
12674-11-2	Aroclor-1016	5.0	U
11104-28-2	Aroclor-1221	5.0	U
11141-16-5	Aroclor-1232	5.0	U
53469-21-9	Aroclor-1242	5.0	U
12672-29-6	Aroclor-1248	5.0	U
11097-69-1	Aroclor-1254	10	U
11096-82-5	Aroclor-1260	10	U

DER 8/5/92

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ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLE(S) RECEIVED:** 06-24-92
RFW #: 9206L769
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.

2. Preparation blank results were below the required detection limit with the exception of Alkalinity.

3. All laboratory control standards (blank spikes) were within the control limits of 80-120% (70-130% for Total Organic Halides). All %RPD were within the 20% guidance limit (40% for Total Organic Halides).

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. All recoveries were within the 75-125% guidance limits. All %RPD were within the 20% 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).

Margaret M. Beaty for 7/28/92
Jack R. Tuschall, Ph.D. Date
Laboratory Manager
Lionville Analytical Laboratory

AUG 1992
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WESTON
MANAGERS DESIGNERS/CONSULTANTS

ADDENDUM

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Margaret M. Beaty Name: MARGARET M. BEATY

Date: 7/28/92 Title: SECTION MANAGER

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/20/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-001	B06PT5	Alkalinity	0.50 u	MG/L	0.50
		Chloride by IC	0.25 u	MG/L	0.25
		Fluoride by IC	0.50 u	MG/L	0.50
		Nitrite by IC	0.25 u	MG/L	0.25
		Nitrate by IC	0.25 u	MG/L	0.25
		Chemical Oxygen Demand	5.0 u	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	0.25 u	MG/L	0.25
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.50 u	MG/L	0.50
		Total Dissolved Solids	7.0	MG/L	5.0
		Total Organic Halides	20.0 u	UG/L	20.0
		Total Suspended Solids	7.0	MG/L	5.0
-003	B06PS0	Alkalinity	104	MG/L	2.0
		Chloride by IC	21.9	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	4.1	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	14.5	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.50 u	MG/L	0.50
		Total Dissolved Solids	233	MG/L	5.0
		Total Organic Halides	31.1	UG/L	10.0
		Total Suspended Solids	12.0	MG/L	5.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/20/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-006	B06PR1	Alkalinity	134	MG/L	2.0
		Chloride by IC	9.1	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	49.4	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	39.1	MG/L	5.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	0.80	MG/L	0.50
		Total Dissolved Solids	311	MG/L	5.0
		Total Organic Halides	31.1	UG/L	10.0
		Total Suspended Solids	8.0	MG/L	5.0
-009	B06PQ5	Alkalinity	100	MG/L	2.0
		Chloride by IC	16.1	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	12.2	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	298	MG/L	10.0
		Ammonia, as N	0.10 u	MG/L	0.10
		Total Organic Carbon	1.0	MG/L	0.50
		Total Dissolved Solids	644	MG/L	5.0
		Total Organic Halides	221	UG/L	10.0
		Total Suspended Solids	6.0	MG/L	5.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/20/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-012	B06Q35	Alkalinity	112	MG/L	2.0
		Chloride by IC	19.3	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	3.5	MG/L	0.25
		Chemical Oxygen Demand	12.8	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	18.0	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	259	MG/L	5.0
		Total Organic Halides	23.9	UG/L	10.0
		Total Suspended Solids	23.0	MG/L	5.0
-015	B06Q38	Alkalinity	84.0	MG/L	2.0
		Chloride by IC	41.5	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	43.0	MG/L	5.0
		Chemical Oxygen Demand	12.8	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	288	MG/L	10.0
		Ammonia, as N	0.36	MG/L	0.10
		Total Organic Carbon	1.5	MG/L	0.50
		Total Dissolved Solids	680	MG/L	5.0
		Total Organic Halides	69.2	UG/L	10.0
		Total Suspended Solids	16.0	MG/L	5.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/20/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-018	B06Q41	Alkalinity	134	MG/L	2.0
		Chloride by IC	4.4	MG/L	0.25
		Fluoride by IC	0.54	MG/L	0.50
		Nitrite by IC	0.25 u	MG/L	0.25
		Nitrate by IC	0.25 u	MG/L	0.25
		Chemical Oxygen Demand	47.2	MG/L	5.0
		Phosphate by IC	0.25 u	MG/L	0.25
		Sulfate by IC	19.2	MG/L	5.0
		Ammonia, as N	0.14	MG/L	0.10
		Total Organic Carbon	14.3	MG/L	0.50
		Total Dissolved Solids	194	MG/L	5.0
		Total Organic Halides	140	UG/L	10.0
		Total Suspended Solids	10.0	MG/L	5.0

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Roy F. Weston, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD CO. **SAMPLES RECEIVED:** 06-24-92
RFW #: 9206L769
W.O. #: 6168-02-01

METALS NARRATIVE

The set of samples consisted of fourteen (14) water samples collected on 06-20, 06-21 and 06-22-92.

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 arsenic and silver. All exceptions are flagged with a "N" on the CLP forms.

7. All duplicate analyses were within the 20% RPD control limit.

8. Lead and 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. Beaty for
Jack R. Tuschall, Ph.D.
Laboratory Manager
Lionville Analytical Laboratories

8/3/92
Date

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-001	B06PT5	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	5000	u	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	5000	u	UG/L	5000
		Manganese, Total	15.0	u	UG/L	15.0
		Sodium, Total	5000	u	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 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-002	B06PT6	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	5000	u	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	5000	u	UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	5000	u	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 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-003	B06PS0	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	30100		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	2050		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5000	u	UG/L	5000
		Magnesium, Total	14300		UG/L	5000
		Manganese, Total	199		UG/L	15.0
		Sodium, Total	15100		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	155		UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-004	B06PS1	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	26300		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	1030		UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	5000	u	UG/L	5000
		Magnesium, Soluble	12700		UG/L	5000
		Manganese, Soluble	171		UG/L	15.0
		Sodium, Soluble	13500		UG/L	5000
		Nickel, Soluble	40.0	u	UG/L	40.0
		Lead, Soluble	10.0		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	87.9		UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-006	B06PR1	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	48900		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	5570		UG/L	5000
		Magnesium, Total	16500		UG/L	5000
		Manganese, Total	15.0	u	UG/L	15.0
		Sodium, Total	18100		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 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-007	B06PR2	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	48400		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	5130		UG/L	5000
		Magnesium, Soluble	16300		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	17800		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 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-009	B06PQ5	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	95700		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	143		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	8870		UG/L	5000
		Magnesium, Total	25000		UG/L	5000
		Manganese, Total	15.0	u	UG/L	15.0
		Sodium, Total	68100		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	12.9		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 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-010	B06PQ6	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	95800		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	8660		UG/L	5000
		Magnesium, Soluble	25000		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	67900		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	15.7		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 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-012	B06Q35	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	30200		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	1030		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	6730		UG/L	5000
		Magnesium, Total	9260		UG/L	5000
		Manganese, Total	18.5		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	55.3		UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-013	B06Q36	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	28700		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	6620		UG/L	5000
		Magnesium, Soluble	8790		UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	20400		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 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-015	B06Q38	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	105000		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	3160		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	10400		UG/L	5000
		Magnesium, Total	26500		UG/L	5000
		Manganese, Total	46.2		UG/L	15.0
		Sodium, Total	20400		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	191		UG/L	50.0
		Thallium, Total	10.0	u	UG/L	10.0
		Vanadium, Total	50.9		UG/L	50.0
		Zinc, Total	68.0		UG/L	20.0

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-016	B06Q39	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	113000		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	107		UG/L	100
		Mercury, Soluble	0.20	u	UG/L	0.20
		Potassium, Soluble	11600		UG/L	5000
		Magnesium, Soluble	28500		UG/L	5000
		Manganese, Soluble	37.3		UG/L	15.0
		Sodium, Soluble	22000		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	157		UG/L	50.0
		Thallium, Soluble	10.0	u	UG/L	10.0
		Vanadium, Soluble	50.0	u	UG/L	50.0
		Zinc, Soluble	73.9		UG/L	20.0

9613425.1523

0000032

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-018	B06Q41	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	233		UG/L	200
		Beryllium, Total	5.0	u	UG/L	5.0
		Calcium, Total	64700		UG/L	5000
		Cadmium, Total	5.0	u	UG/L	5.0
		Cobalt, Total	50.0	u	UG/L	50.0
		Chromium, Total	11.7		UG/L	10.0
		Copper, Total	25.0	u	UG/L	25.0
		Iron, Total	1230		UG/L	100
		Mercury, Total	0.20	u	UG/L	0.20
		Potassium, Total	5000	u	UG/L	5000
		Magnesium, Total	5000	u	UG/L	5000
		Manganese, Total	15.0	u	UG/L	15.0
		Sodium, Total	5000	u	UG/L	5000
		Nickel, Total	40.0	u	UG/L	40.0
		Lead, Total	10.4		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	227		UG/L	20.0

9613425.1524

000033

ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 07/30/92

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

WESTON BATCH #: 9206L769

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT
-019	B06Q42	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	245		UG/L	200
		Beryllium, Soluble	5.0	u	UG/L	5.0
		Calcium, Soluble	70200		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	5000	u	UG/L	5000
		Manganese, Soluble	15.0	u	UG/L	15.0
		Sodium, Soluble	5000	u	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

9613425.1525

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PT5

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676901

Level (low/med): LOW Date Received: 6/24/92

% 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	2.00	U	NW	F
7440-39-3	Barium	3.00	U		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	14.00	U		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	22.00	B		P
7439-92-1	Lead	2.00	U		F
7439-95-4	Magnesium	36.10	B		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	970.00	U		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	68.40	B		P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	9.30	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1526

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PT6

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676902

Level (low/med): LOW Date Received: 6/24/92

% 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	2.00	U	NW	F
7440-39-3	Barium	3.00	U		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	15.70	B		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		F
7439-95-4	Magnesium	54.00	B		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	970.00	U		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	95.00	B		P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.20	B		P
7440-66-6	Zinc	9.30	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1527

U.S. EPA - CLP

0000045

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PS0

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676903

Level (low/med): LOW Date Received: 6/24/92

% 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	2.70	B	N	F
7440-39-3	Barium	53.50	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	30100.00			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	2050.00			P
7439-92-1	Lead	2.00	U	W	F
7439-95-4	Magnesium	14300.00			P
7439-96-5	Manganese	199.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	3780.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	15100.00			P
7440-28-0	Thallium	2.00	U	W	F
7440-62-2	Vanadium	36.70	B		P
7440-66-6	Zinc	155.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1528

000048

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PS1

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676904

Level (low/med): LOW Date Received: 6/24/92

% 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	2.00	B	N	F
7440-39-3	Barium	46.80	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	26300.00			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	1030.00			P
7439-92-1	Lead	10.00		S	F
7439-95-4	Magnesium	12700.00			P
7439-96-5	Manganese	171.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	3480.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	13500.00			P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	30.30	B		P
7440-66-6	Zinc	87.90			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1529

000047

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PR1

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676906

Level (low/med): LOW Date Received: 6/24/92

% 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	2.00	U	N	F
7440-39-3	Barium	65.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	48900.00			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	29.80	B		P
7439-92-1	Lead	2.00	U	W	F
7439-95-4	Magnesium	16500.00			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	5570.00			P
7782-49-2	Selenium	3.10	B	W	F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	18100.00			P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	38.80	B		P
7440-66-6	Zinc	7.90	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1530

000048

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PR2

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676907

Level (low/med): LOW Date Received: 6/24/92

% 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	2.00	U	N	F
7440-39-3	Barium	64.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	48400.00			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	22.00	B		P
7439-92-1	Lead	2.00	U	W	F
7439-95-4	Magnesium	16300.00			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	5130.00			P
7782-49-2	Selenium	3.30	B	W	F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	17800.00			P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	36.80	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:

9613425.1531

000049

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PQ5

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676909

Level (low/med): LOW Date Received: 6/24/92

% 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	4.00	B	NW	F
7440-39-3	Barium	96.60	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	95700.00			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	143.00			P
7439-92-1	Lead	2.00	U	W	F
7439-95-4	Magnesium	25000.00			P
7439-96-5	Manganese	3.90	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	8870.00			P
7782-49-2	Selenium	12.90		S	F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	68100.00			P
7440-28-0	Thallium	2.00	U	W	F
7440-62-2	Vanadium	36.00	B		P
7440-66-6	Zinc	7.60	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1532

000050

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06PQ6

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676910

Level (low/med): LOW Date Received: 6/24/92

% 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	6.30	B	NW	F
7440-39-3	Barium	96.00	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	95800.00			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	W	F
7439-95-4	Magnesium	25000.00			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	8660.00			P
7782-49-2	Selenium	15.70		S	F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	67900.00			P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	34.80	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:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q35

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676912

Level (low/med): LOW Date Received: 6/24/92

% 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	50.90	B		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	2.60	B	N	F
7440-39-3	Barium	52.30	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	30200.00			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	1030.00			P
7439-92-1	Lead	2.00	U	W	F
7439-95-4	Magnesium	9260.00			P
7439-96-5	Manganese	18.50			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	6730.00			P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	21300.00			P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	25.90	B		P
7440-66-6	Zinc	55.30			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.

B06Q36

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676913

Level (low/med): LOW Date Received: 6/24/92

% 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	N	F
7440-39-3	Barium	46.40	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	28700.00			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	55.80	B		P
7439-92-1	Lead	2.00	U	W	F
7439-95-4	Magnesium	8790.00			P
7439-96-5	Manganese	7.70	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	6620.00			P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	20400.00			P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	24.70	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:

9613425.1535

000053

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q38

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676915

Level (low/med): LOW Date Received: 6/24/92

% 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	7.10	B	NW	F
7440-39-3	Barium	39.90	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	105000.00			P
7440-47-3	Chromium	8.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.20	B		P
7439-89-6	Iron	3160.00			P
7439-92-1	Lead	2.00	U	W	F
7439-95-4	Magnesium	26500.00			P
7439-96-5	Manganese	46.20			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	10400.00			P
7782-49-2	Selenium	191.00		S	F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	20400.00			P
7440-28-0	Thallium	2.00	U	W	F
7440-62-2	Vanadium	50.90			P
7440-66-6	Zinc	68.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1536

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q39

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676916

Level (low/med): LOW Date Received: 6/24/92

% 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	4.90	B	NW	F
7440-39-3	Barium	39.10	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	113000.00			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	107.00			P
7439-92-1	Lead	2.00	U	W	F
7439-95-4	Magnesium	28500.00			P
7439-96-5	Manganese	37.30			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	11600.00			P
7782-49-2	Selenium	157.00		S	F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	22000.00			P
7440-28-0	Thallium	2.00	U	W	F
7440-62-2	Vanadium	42.90	B		P
7440-66-6	Zinc	73.90			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

9613425.1537 000055

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B06Q41

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676918

Level (low/med): LOW Date Received: 6/24/92

% 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	112.00	B		P
7440-36-0	Antimony	44.00	U		P
7440-38-2	Arsenic	2.00	U	N	F
7440-39-3	Barium	233.00			P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	64700.00			P
7440-47-3	Chromium	11.70			P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	5.00	U		P
7439-89-6	Iron	1230.00			P
7439-92-1	Lead	10.40			F
7439-95-4	Magnesium	120.00	B		P
7439-96-5	Manganese	12.30	B		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	4020.00	B		P
7782-49-2	Selenium	2.10	B	W	F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	4190.00	B		P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.20	B		P
7440-66-6	Zinc	227.00			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.

B06Q42

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

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP769

Matrix (soil/water): WATER Lab Sample ID: 920676919

Level (low/med): LOW Date Received: 6/24/92

% 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	2.00	U	N	F
7440-39-3	Barium	245.00			P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	70200.00			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		F
7439-95-4	Magnesium	86.60	B		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	3990.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	6.00	U	N	P
7440-23-5	Sodium	4560.00	B		P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	7.90	B		P
7440-66-6	Zinc	14.30	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: