START

9613451.1490

9104L293-WES-047

0044562

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLES RECEIVED:** 04-16-91
RFW #: 9104L293
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. 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).

JUN 1996 RECEIVED EDMC

JUN 1991 RECEIVED DATA RECEIPT

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

Date

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/08/91

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

WESTON BATCH #: 9104L293

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-001	D1-4111-10	% Solids	66.7	%	0.10
-002	D1-4111-11	% Solids	66.1	%	0.10
-003	D1-4111-14	% Solids	78.6	%	0.10
-004	D1-4111-15	% Solids	78.8	%	0.10
-005	D3-4111-7	% Solids	96.0	%	0.10
-006	D3-4111-8	% Solids	95.1	%	0.10
-007	D2-4121-4	% Solids	94.4	%	0.10
-008	D2-4121-5	% Solids	94.1	%	0.10
-009	D1-4121-17	% Solids	83.1	%	0.10
-010	D1-4121-18	% Solids	81.2	%	0.10

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ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 05/08/91

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

WESTON BATCH #: 9104L293

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-011	D1-4121-20	% Solids	79.0	%	0.10
-012	D1-4121-21	% Solids	80.0	%	0.10
-013	D2-4121-7	% Solids	97.9	%	0.10
-014	D2-4121-8	% Solids	98.1	%	0.10

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DON'T SAY IT --- *Write It!*

DATE: December 7, 1993

TO: File 9104L293-WES-047

FROM: Doris Ayres SDLA

Telephone: 372-2507

SUBJECT: Changing Client Sample Numbers to HEIS sample numbers

The following sample numbers were changed within the referenced package:

Old Client Sample Number	New HEIS Sample Number
D1-4111-10	B09N41
D1-4111-11	B09N42
D1-4111-14	B09N43
D1-4111-15	B09N44
D1-4121-17	B09N45
D1-4121-18	B09N46
D1-4121-20	B09N47
D1-4121-21	B09N48
D2-4121-4	B09N57
D2-4121-5	B09N58
D2-4121-7	B09N59
D2-4121-8	B09N60
D3-4111-7	B09N69
D3-4111-8	B09N70

Custody Transfer Record/Lab Work Request

WESTON

WESTON Analytics Use Only
9104L293

Project # 91-025 SAF467

Client ~~Virgina Rohay~~ Westinghouse Hanford
Work Order 61168-02-01
Date Rec'd. 4/16/91 Date Due 5/21/91
RFW Contact J. King
Client Contact/Phone V. Rohay (509)376-5507

Refrigerator	N/A
#/Type Container	GLASS
Volume	125 ml
Preservative	N/A
ANALYSES REQUESTED	VOA

WA Use Only Lab ID	Client ID/Description	Matrix	Date Collected	VOA
001	D1-4111-10	S	4-11-91	X
2	D1-4111-11			X
3	D1-4111-14			X
4	D1-4111-15			X
5	D3-4111-7			X
6	D3-4111-8			X
7	D2-4121-4		4-12-91	X
8	D2-4121-5			X
9	D1-4121-17			X
10	D1-4121-18			X
11	D1-4121-20			X
12	D1-4121-21			X
13	D2-4121-7			X
14	D2-4121-8			X

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

Special Instructions:
QC = CLP
Del = CLP
TAT = 35 day

Item/Reason	Relinquished by	Received by	Date	Time	Item/Reason	Relinquished by	Received by	Date	Time
	J. Hogan	S M Steele	4-15-91	0800					
	S M Steele								
	Emery	P Geiger	4/16/91	12:30 PM					
RAD SCRN	P Geiger	Clarks Pyr	7-16-91	1:43 PM					
STORAGE	Clarks Pyr		4-16-91	4:00 PM					

WESTON Analytics Use Only

Samples Were:
1 Shipped or Hand-Delivered
NOTES:

2 Ambient or Chilled
NOTES:

3 Received Broken/Leaking (Improperly Sealed)
Y N
NOTES:

4 Properly Preserved
Y N
NOTES:

5 Received Within Holding Times
Y N
NOTES:

COC Tape Was:
1 Present on Outer Package Y N
2 Unbroken on Outer Package Y N
3 Present on Sample Y N
4 Unbroken on Sample Y N
NOTES:

COC Record Was:
1 Present Upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

9613451.1494

RFW 21-21-001/A-12/88

7-115

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLES RECEIVED:** 04-16-91
RFW #: 9104L293, GC/MS VOLATILE
W.O. #: 6168-02-01

NARRATIVE

The set of samples consisted of fourteen (14) soil samples collected on 04-11,12-91.

The samples were analyzed according to criteria set forth in SW 846 Method 8240 for TCL Volatile target compounds on 04-18,19,22-91.

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

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

2. Two (2) of fifty-seven (57) surrogate recoveries was outside EPA QC limits. EPA QC surrogate recovery criteria were not met for samples D2-4121-7 MS and D2-4121-7 MSD. The associated original analysis fulfilled the reanalysis requirements.

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

4. The laboratory blanks contained the common contaminants methylene chloride and acetone at levels less than 3x the CRQL.

5. Internal standard areas were outside QC limits for the samples D2-4121-7 MS and D2-4121-7 MSD. The associated original analysis fulfilled the reanalysis requirements.

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

6/21/91
Date

	Cust ID:	D1-4111-10		D1-4111-11		D1-4111-14		D1-4111-15		D3-4111-7		D3-4111-8	
Sample Information	RFW#:	001		002		003		004		005		006	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	1.00		1.00		0.943		0.943		0.980		0.980	
	Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
	Toluene-d8	89	%	96	%	89	%	92	%	104	%	99	%
Surrogate	Bromofluorobenzene	89	%	91	%	89	%	91	%	100	%	94	%
Recovery	1,2-Dichloroethane-d4	112	%	86	%	113	%	108	%	103	%	97	%
			fl		fl		fl		fl		fl		fl
Chloromethane		15	U	15	U	12	U	12	U	10	U	10	U
Bromomethane		15	U	15	U	12	U	12	U	10	U	10	U
Vinyl Chloride		15	U	15	U	12	U	12	U	10	U	10	U
Chloroethane		15	U	15	U	12	U	12	U	10	U	10	U
Methylene Chloride		45	B	55	B	36	B	33	B	44	B	39	B
Acetone		63	B	23	B	90	B	36	B	50	B	93	B
Carbon Disulfide		8	U	8	U	6	U	6	U	5	U	5	U
1,1-Dichloroethene		8	U	8	U	6	U	6	U	5	U	5	U
1,1-Dichloroethane		8	U	8	U	6	U	6	U	5	U	5	U
1,2-Dichloroethene (total)		8	U	8	U	6	U	6	U	5	U	5	U
Chloroform		20		20		2	J	1	J	5	U	5	U
1,2-Dichloroethane		8	U	8	U	6	U	6	U	5	U	5	U
2-Butanone		15	U	15	U	12	U	12	U	10	U	10	U
1,1,1-Trichloroethane		8	U	8	U	6	U	6	U	5	U	5	U
Carbon Tetrachloride		23		22		4	J	4	J	5	U	5	U
Vinyl Acetate		15	U	15	U	12	U	12	U	10	U	10	U
Bromodichloromethane		8	U	8	U	6	U	6	U	5	U	5	U
1,2-Dichloropropane		8	U	8	U	6	U	6	U	5	U	5	U
cis-1,3-Dichloropropene		8	U	8	U	6	U	6	U	5	U	5	U
Trichloroethene		8	U	8	U	6	U	6	U	5	U	5	U
Dibromochloromethane		8	U	8	U	6	U	6	U	5	U	5	U
1,1,2-Trichloroethane		8	U	8	U	6	U	6	U	5	U	5	U
Benzene		8	U	8	U	6	U	6	U	5	U	5	U
Trans-1,3-Dichloropropene		8	U	8	U	6	U	6	U	5	U	5	U
Bromoform		8	U	8	U	6	U	6	U	5	U	5	U
4-Methyl-2-pentanone		15	U	15	U	12	U	12	U	10	U	4	J
2-Hexanone		15	U	15	U	12	U	12	U	10	U	10	U
Tetrachloroethene		8	U	8	U	6	U	6	U	5	U	5	U
1,1,2,2-Tetrachloroethane		8	U	8	U	6	U	6	U	5	U	5	U

*= Outside of EPA CLP QC limits.

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Cust ID:	D1-4111-10	D1-4111-11	D1-4111-14	D1-4111-15	D3-4111-7	D3-4111-8
RFW#:	001	002	003	004	005	006
Toluene	10	2 J	10	7	5 U	5 U
Chlorobenzene	8 U	8 U	6 U	6 U	5 U	5 U
Ethylbenzene	8 U	8 U	6 U	6 U	5 U	5 U
Styrene	8 U	8 U	6 U	6 U	5 U	5 U
Xylene (total)	5 J	8 U	6 U	6 U	5 U	5 U

*= Outside of EPA CLP QC limits.

0000005

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	Cust ID:	D2-4121-4		D2-4121-5		D1-4121-17		D1-4121-18		D1-4121-20		D1-4121-21	
Sample	RFW#:	007		008		009		010		011		012	
Sample	RFW#:	007		008		009		010		011		012	
Information	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	0.980		0.980		0.980		0.962		0.980		0.962	
	Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
	Toluene-d8	98	%	104	%	99	%	102	%	91	%	97	%
Surrogate	Bromofluorobenzene	95	%	101	%	97	%	96	%	90	%	93	%
Recovery	1,2-Dichloroethane-d4	100	%	101	%	96	%	98	%	100	%	112	%
			fl		fl		fl		fl		fl		fl
Chloromethane		10	U	10	U	12	U	12	U	12	U	12	U
Bromomethane		10	U	10	U	12	U	12	U	12	U	12	U
Vinyl Chloride		10	U	10	U	12	U	12	U	12	U	12	U
Chloroethane		10	U	10	U	12	U	12	U	12	U	12	U
Methylene Chloride		34	B	48	B	39	B	42	B	38	B	38	B
Acetone		62	B	76	B	61	B	100	B	86	B	32	B
Carbon Disulfide		5	U	5	U	6	U	6	U	6	U	6	U
1,1-Dichloroethene		5	U	5	U	6	U	6	U	6	U	6	U
1,1-Dichloroethane		5	U	5	U	6	U	6	U	6	U	6	U
1,2-Dichloroethene (total)		5	U	5	U	6	U	6	U	6	U	6	U
Chloroform		5	U	5	U	6	U	6	U	1	J	6	U
1,2-Dichloroethane		5	U	5	U	6	U	6	U	6	U	6	U
2-Butanone		10	U	10	U	12	U	12	U	12	U	12	U
1,1,1-Trichloroethane		5	U	5	U	6	U	6	U	6	U	6	U
Carbon Tetrachloride		5	U	5	U	6	U	6	U	5	J	4	J
Vinyl Acetate		10	U	10	U	12	U	12	U	12	U	12	U
Bromodichloromethane		5	U	5	U	6	U	6	U	6	U	6	U
1,2-Dichloropropane		5	U	5	U	6	U	6	U	6	U	6	U
cis-1,3-Dichloropropene		5	U	5	U	6	U	6	U	6	U	6	U
Trichloroethene		5	U	5	U	6	U	6	U	6	U	6	U
Dibromochloromethane		5	U	5	U	6	U	6	U	6	U	6	U
1,1,2-Trichloroethane		5	U	5	U	6	U	6	U	6	U	6	U
Benzene		5	U	5	U	6	U	6	U	6	U	6	U
Trans-1,3-Dichloropropene		5	U	5	U	6	U	6	U	6	U	6	U
Bromoform		5	U	5	U	6	U	6	U	6	U	6	U
4-Methyl-2-pentanone		3	J	5	J	12	U	12	U	12	U	12	U
2-Hexanone		10	U	10	U	12	U	12	U	12	U	12	U
Tetrachloroethene		5	U	5	U	6	U	6	U	6	U	6	U
1,1,2,2-Tetrachloroethane		5	U	5	U	6	U	6	U	6	U	6	U

*= Outside of EPA CLP QC limits.

9613451.1498

Cust ID:	D2-4121-4	D2-4121-5	D1-4121-17	D1-4121-18	D1-4121-20	D1-4121-21
RFW#:	007	008	009	010	011	012
Toluene	5 U	5 U	6 U	6 U	7	6 U
Chlorobenzene	5 U	5 U	6 U	6 U	6 U	6 U
Ethylbenzene	5 U	5 U	6 U	6 U	6 U	6 U
Styrene	5 U	5 U	6 U	6 U	6 U	6 U
Xylene (total)	5 U	5 U	6 U	6 U	6 U	6 U

*= Outside of EPA CLP QC limits.

9613451.1499

	Cust ID:	D2-4121-7	D2-4121-7	D2-4121-7	D2-4121-8	VBLK	VBLK
Sample Information	RFW#:	013	013 MS	013 MSD	014	91LVY080-MB1	91LVY081-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	0.980	0.980	1.00	0.980	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate Recovery	Toluene-d8	96 %	100 %	102 %	103 %	94 %	96 %
	Bromofluorobenzene	92 %	98 %	99 %	99 %	94 %	95 %
	1,2-Dichloroethane-d4	99 %	129 * %	138 * %	102 %	107 %	94 %
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		30 B	49 B	36 B	29 B	9	7
Acetone		70 B	77 B	56 B	54 B	10	6 J
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	108 %	103 %	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	108 %	110 %	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	105 %	107 %	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		5 J	5 J	3 J	4 J	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.

00000003
96 JUL 15 PM 1:00

Cust ID:	D2-4121-7		D2-4121-7		D2-4121-7		D2-4121-8		VBLK		VBLK	
RFW#:	013		013 MS		013 MSD		014		91LVY080-MB1		91LVY081-MB1	
Toluene	5	U	108	%	107	%	5	U	5	U	5	U
Chlorobenzene	5	U	108	%	109	%	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.

000009

9613451.1501

9613451.1502

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D1-4111-10

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-001

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

Lab File ID: Y041908

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 33

Date Analyzed: 04/19/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	45	B
67-64-1	Acetone	63	B
75-15-0	Carbon Disulfide	8	U
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
540-59-0	1,2-Dichloroethene (total)	8	U
67-66-3	Chloroform	20	
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon Tetrachloride	23	
108-05-4	Vinyl Acetate	15	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	8	U
10061-02-6	Trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-88-3	Toluene	10	
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
100-42-5	Styrene	8	U
1330-20-7	Xylene (total)	5	J

9613951 1503

0000027

CLIENT SAMPLE NO.

D1-4111-10

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-001

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

Lab File ID: Y041908

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 33

Date Analyzed: 04/19/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

9613451.1504

0000045

CLIENT SAMPLE NO.

D1-4111-11

VOLATILE ORGANICS ANALYSIS SHEET

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL Lab Sample ID: 9104L293-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: Y042204

Level: (low/med) LOW Date Received: 04/16/91

% Moisture: not dec. 34 Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	55	B
67-64-1	Acetone	23	B
75-15-0	Carbon Disulfide	8	U
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
540-59-0	1,2-Dichloroethene (total)	8	U
67-66-3	Chloroform	20	
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon Tetrachloride	22	
108-05-4	Vinyl Acetate	15	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	8	U
10061-02-6	Trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
100-42-5	Styrene	8	U
1330-20-7	Xylene (total)	8	U

CLIENT SAMPLE NO.

D1-4111-11

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-002

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

Lab File ID: Y042204

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 34

Date Analyzed: 04/22/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

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

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

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D1-4111-14

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-003

Sample wt/vol: 5.30 (g/mL) G

Lab File ID: Y041907

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 21

Date Analyzed: 04/19/91

Column: (pack/cap) PACK

Dilution Factor: 0.943

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	36	B
67-64-1	Acetone	90	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	4	J
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	10	
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

9613451507

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

D1-4111-14

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-003

Sample wt/vol: 5.30 (g/mL) G

Lab File ID: Y041907

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 21

Date Analyzed: 04/19/91

Column: (pack/cap) PACK

Dilution Factor: 0.943

Number TICs found: 0

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

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

9613451 1508

1A

VOLATILE ORGANICS ANALYSIS SHEET

000007 5

CLIENT SAMPLE NO.

D1-4111-15

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL Lab Sample ID: 9104L293-004

Sample wt/vol: 5.30 (g/mL) G Lab File ID: Y041905

Level: (low/med) LOW Date Received: 04/16/91

% Moisture: not dec. 21 Date Analyzed: 04/19/91

Column: (pack/cap) PACK Dilution Factor: 0.943

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	33	B
67-64-1	Acetone	36	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	1	J
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	4	J
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	7	
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

9613951 1509

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

D1-4111-15

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-004

Sample wt/vol: 5.30 (g/mL) G

Lab File ID: Y041905

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 21

Date Analyzed: 04/19/91

Column: (pack/cap) PACK

Dilution Factor: 0.943

Number TICs found: 0

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

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

9613451.1510

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D3-4111-7

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL Lab Sample ID: 9104L293-005

Sample wt/vol: 5.10 (g/mL) G Lab File ID: Y041811

Level: (low/med) LOW Date Received: 04/16/91

% Moisture: not dec. 4 Date Analyzed: 04/18/91

Column: (pack/cap) PACK Dilution Factor: 0.980

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

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	44	B
67-64-1	Acetone	50	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

CLIENT SAMPLE NO.

D3-4111-7

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-005

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041811

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 4

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

Number TICs found: 0

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

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

9613451.1512

1A

VOLATILE ORGANICS ANALYSIS SHEET

000009

CLIENT SAMPLE NO.

D3-4111-8

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL Lab Sample ID: 9104L293-006

Sample wt/vol: 5.10 (g/mL) G Lab File ID: Y041812

Level: (low/med) LOW Date Received: 04/16/91

% Moisture: not dec. 5 Date Analyzed: 04/18/91

Column: (pack/cap) PACK Dilution Factor: 0.980

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	
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	39	B
67-64-1	Acetone	93	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	4	J
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

96P45L1513

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

D3-4111-8

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-006

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041812

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 5

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

Number TICs found: 0

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

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

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D2-4121-4

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-007

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041814

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 6

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

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

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	34	B
67-64-1	Acetone	62	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	3	J
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

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

D2-4121-4

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-007

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041814

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 6

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

Number TICs found: 0

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

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

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D2-4121-5

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-008

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041813

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 6

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

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

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	48	B
67-64-1	Acetone	76	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	5	J
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

9613451 1517

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0000122

CLIENT SAMPLE NO.

D2-4121-5

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-008

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041813

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 6

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

Number TICs found: 0

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

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

9613451.1518

0000132

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D1-4121-17

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL Lab Sample ID: 9104L293-009

Sample wt/vol: 5.10 (g/mL) G Lab File ID: Y041815

Level: (low/med) LOW Date Received: 04/16/91

% Moisture: not dec. 17 Date Analyzed: 04/18/91

Column: (pack/cap) PACK Dilution Factor: 0.980

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	39	B
67-64-1	Acetone	61	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

9613451.1519

0000133

CLIENT SAMPLE NO.

D1-4121-17

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-009

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041815

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 17

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

Number TICs found: 0

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

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

9613951 1520

1A

VOLATILE ORGANICS ANALYSIS SHEET

0000124

CLIENT SAMPLE NO.

D1-4121-18

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-010

Sample wt/vol: 5.20 (g/mL) G

Lab File ID: Y041818

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 19

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.962

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	42	B
67-64-1	Acetone	100	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

96 1345 L 1521

0000142

CLIENT SAMPLE NO.

D1-4121-18

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-010

Sample wt/vol: 5.20 (g/mL) G

Lab File ID: Y041818

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 19

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.962

Number TICs found: 0

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

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

9613451.1522

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D1-4121-20

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL Lab Sample ID: 9104L293-011

Sample wt/vol: 5.10 (g/mL) G Lab File ID: Y041906

Level: (low/med) LOW Date Received: 04/16/91

% Moisture: not dec. 21 Date Analyzed: 04/19/91

Column: (pack/cap) PACK Dilution Factor: 0.980

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	38	B
67-64-1	Acetone	86	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	1	J
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	5	J
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	7	
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

D1-4121-20

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-011

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041906

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 21

Date Analyzed: 04/19/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

Number TICs found: 0

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

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

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D1-4121-21

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-012

Sample wt/vol: 5.20 (g/mL) G

Lab File ID: Y041904

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 20

Date Analyzed: 04/19/91

Column: (pack/cap) PACK

Dilution Factor: 0.962

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	38	B
67-64-1	Acetone	32	B
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	4	J
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

D1-4121-21

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-012

Sample wt/vol: 5.20 (g/mL) G

Lab File ID: Y041904

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 20

Date Analyzed: 04/19/91

Column: (pack/cap) PACK

Dilution Factor: 0.962

Number TICs found: 0

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

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

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D2-4121-7

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-013

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041816

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 2

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

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

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	30	B
67-64-1	Acetone	70	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	5	J
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

96 1345 L 1527

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

D2-4121-7

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-013

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041816

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 2

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D2-4121-8

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-014

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041817

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 2

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

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

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	29	B
67-64-1	Acetone	54	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	4	J
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

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

D2-4121-8

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9104L293-014

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Y041817

Level: (low/med) LOW

Date Received: 04/16/91

% Moisture: not dec. 2

Date Analyzed: 04/18/91

Column: (pack/cap) PACK

Dilution Factor: 0.980

Number TICs found: 0

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

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