9613451.1636

START

9105L467-WES-063

0044571

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

DATE: December 7, 1993

TO: File 9105L467-WES-063

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
D3-4301-19	B09N81
D3-4301-20	B09N82
D3-4301-25	B09N83
D3-4301-26	B09N84

JUN 1996
RECEIVED
EDMC

Custody Transfer Record/Lab Work Request

WESTON

WESTON Analytics Use Only
9105L467

WS-Hanford

Hanford

Client: ~~V. ROHAY~~ WESTINGHOUSE

Work Order: 6168-02 01

Date Rec'd.: 5/2/91 Date Due: 6/6/91

RFW Contact:

Client Contact/Phone: V ROHAY 376-5507

Refrigerator#				N/A								
#/Type Container				G								
Volume				125ml								
Preservative				N/A								
ANALYSES REQUESTED				VOA								
WA Use Only Lab ID	Client ID/Description	Matrix	Date Collected	0624#				Time				
C01	D3-4301-25	S	4-30-91	X				10:45				
2	D3-4301-26	S	↓	X				10:45				
3	D3-4301-19	S	↓	X				10:45				
4	D3-4301-20	S	↓	X								

QC/Del = CLP
TAT = 35 day

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:

Item/Reason	Relinquished by	Received by	Date	Time	Item/Reason	Relinquished by	Received by	Date	Time
	JS Hogan								
Emery/AH	Emery	B. Shaffer	5-2-91	~~9:30~~					
RAD SKEN	[illegible]	Charles Pyle	5-2-91	1:30pm					
STORAGE	Charles Pyle	[illegible]	5-2-91	4:00pm					

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:

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

7-115

0000002

9613451.1637

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

Report Date: 05/31/91 15:41

RFW Batch Number: 9105L467 Client: WESTINGHOUSE HANFORD Work Order: 6168-02-01-0000 Page: 1a

	Cust ID:	D3-4301-25		D3-4301-26		D3-4301-19		D3-4301-19		D3-4301-19		D3-4301-20	
Sample Information	RFW#:	001		002		003		003 MS		003 MSD		004	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	0.980		0.980		1.00		1.00		1.00		1.00	
	Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
	Toluene-d8	104	%	102	%	104	%	100	%	102	%	99	%
Surrogate	Bromofluorobenzene	93	%	90	%	92	%	100	%	103	%	89	%
Recovery	1,2-Dichloroethane-d4	106	%	99	%	106	%	106	%	115	%	105	%
			fl		fl		fl		fl		fl		fl
Chloromethane		10	U	11	U	11	U	11	U	11	U	10	U
Bromomethane		10	U	11	U	11	U	11	U	11	U	10	U
Vinyl Chloride		10	U	11	U	11	U	11	U	11	U	10	U
Chloroethane		10	U	11	U	11	U	11	U	11	U	10	U
Methylene Chloride		46	B	53	B	68	B	51	B	42	B	50	B
Acetone		71	B	52	B	58	B	52	B	68	B	71	B
Carbon Disulfide		1	JB	1	JB	1	JB	6	U	6	U	1	JB
1,1-Dichloroethene		5	U	6	U	6	U	112	%	114	%	5	U
1,1-Dichloroethane		5	U	6	U	6	U	6	U	6	U	5	U
1,2-Dichloroethene (total)		5	U	6	U	6	U	6	U	6	U	5	U
Chloroform		5	U	6	U	6	U	6	U	6	U	5	U
1,2-Dichloroethane		5	U	6	U	6	U	6	U	6	U	5	U
2-Butanone		10	U	11	U	11	U	11	U	11	U	10	U
1,1,1-Trichloroethane		5	U	6	U	6	U	6	U	6	U	5	U
Carbon Tetrachloride		5	U	6	U	6	U	6	U	6	U	5	U
Vinyl Acetate		10	U	11	U	11	U	11	U	11	U	10	U
Bromodichloromethane		5	U	6	U	6	U	6	U	6	U	5	U
1,2-Dichloropropane		5	U	6	U	6	U	6	U	6	U	5	U
cis-1,3-Dichloropropene		5	U	6	U	6	U	6	U	6	U	5	U
Trichloroethene		5	U	6	U	6	U	123	%	120	%	5	U
Dibromochloromethane		5	U	6	U	6	U	6	U	6	U	5	U
1,1,2-Trichloroethane		5	U	6	U	6	U	6	U	6	U	5	U
Benzene		5	U	6	U	6	U	107	%	107	%	5	U
Trans-1,3-Dichloropropene		5	U	6	U	6	U	6	U	6	U	5	U
Bromoform		5	U	6	U	6	U	6	U	6	U	5	U
4-Methyl-2-pentanone		10	U	11	U	11	U	11	U	11	U	10	U
2-Hexanone		10	U	11	U	11	U	11	U	11	U	10	U
Tetrachloroethene		5	U	6	U	6	U	6	U	6	U	5	U
1,1,2,2-Tetrachloroethane		5	U	6	U	6	U	6	U	6	U	5	U

*= Outside of EPA CLP QC limits.

0000004

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Cust ID:	D3-4301-25	D3-4301-26	D3-4301-19	D3-4301-19	D3-4301-19	D3-4301-20
RFW#:	001	002	003	003 MS	003 MSD	004
Toluene	5 U	6 U	6 U	116 %	117 %	5 U
Chlorobenzene	5 U	6 U	6 U	109 %	109 %	5 U
Ethylbenzene	5 U	6 U	6 U	6 U	6 U	5 U
Styrene	5 U	6 U	6 U	6 U	6 U	5 U
Xylene (total)	5 U	6 U	6 U	6 U	6 U	5 U

*= Outside of EPA CLP QC limits.

0000005

9613451.1639

9613451.1640

8A

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WESTINGHOUSE HANFORD **SAMPLES RECEIVED:** 05-02-91
RFW #: 9105L467, GC/MS VOLATILE
W.O. #: 6168-02-01

NARRATIVE

The set of samples consisted of four (4) soil samples collected on 04-30-91.

The samples were analyzed according to criteria set forth in SW 846 Method 8240 for TCL Volatile target compounds on 05-06,10-91.

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. All surrogate recoveries were within EPA QC limits.

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 2x the CRQL. The blank 91LVX072-MB1 also contained the target compound carbon disulfide at levels less the CRQL.

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

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

6.25.91
Date

961345L1641

1A

VOLATILE ORGANICS ANALYSIS SHEET

000002 CLIENT SAMPLE NO.

D3-4301-25

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL Lab Sample ID: 9105L467-001

Sample wt/vol: 5.10 (g/mL) G Lab File ID: AX5614

Level: (low/med) LOW Date Received: 05/02/91

% Moisture: not dec. 6 Date Analyzed: 05/06/91

Column: (pack/cap) CAP 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	46	B
67-64-1	Acetone	71	B
75-15-0	Carbon Disulfide	1	JB
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

9617451.1642

00000 CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

D3-4301-25

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9105L467-001

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

Lab File ID: AX5614

Level: (low/med) LOW

Date Received: 05/02/91

% Moisture: not dec. 6

Date Analyzed: 05/06/91

Column: (pack/cap) CAP

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.				

9613451.1643 1A 000002 CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET

D3-4301-26

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL Lab Sample ID: 9105L467-002

Sample wt/vol: 5.10 (g/mL) G Lab File ID: AX5615

Level: (low/med) LOW Date Received: 05/02/91

% Moisture: not dec. 10 Date Analyzed: 05/06/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	53	B
67-64-1	Acetone	52	B
75-15-0	Carbon Disulfide	1	JB
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	11	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	11	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	11	U
591-78-6	2-Hexanone	11	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

9613451.1644

1E

0000020

CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

D3-4301-26

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9105L467-002

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

Lab File ID: AX5615

Level: (low/med) LOW

Date Received: 05/02/91

% Moisture: not dec. 10

Date Analyzed: 05/06/91

Column: (pack/cap) CAP

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.				

9613451.1645 1A 0000038

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

D3-4301-19

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL Lab Sample ID: 9105L467-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: AX5616

Level: (low/med) LOW Date Received: 05/02/91

% Moisture: not dec. 5 Date Analyzed: 05/06/91

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

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	68	B
67-64-1	Acetone	58	B
75-15-0	Carbon Disulfide	1	JB
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	11	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	11	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	11	U
591-78-6	2-Hexanone	11	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

CLIENT SAMPLE NO.

D3-4301-19

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: 9105L467-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: AX5616

Level: (low/med) LOW Date Received: 05/02/91

% Moisture: not dec. 5 Date Analyzed: 05/06/91

Column: (pack/cap) CAP 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.				

1A

VOLATILE ORGANICS ANALYSIS SHEET

0000 CLIENT SAMPLE NO.

D3-4301-20

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9105L467-004

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

Lab File ID: AX5617

Level: (low/med) LOW

Date Received: 05/02/91

% Moisture: not dec. 4

Date Analyzed: 05/06/91

Column: (pack/cap) CAP

Dilution Factor: 1.00

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

9616451.1648

1E

00008

CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

D3-4301-20

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

Client: WESTINGHOUSE HANFORD

Matrix: SOIL

Lab Sample ID: 9105L467-004

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

Lab File ID: AX5617

Level: (low/med) LOW

Date Received: 05/02/91

% Moisture: not dec. 4

Date Analyzed: 05/06/91

Column: (pack/cap) CAP

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.				