H0072-TW

0052486

Roy F. Weston, Inc.
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Lionville, Pennsylvania 19341-1333
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WESTON MANAGERS DESIGNERS/CONSULTANTS

AUG 1996 RECEIVED Data Log In

LIONVILLE LABORATORY ANALYTICAL REPORT

Client : TNU-HANFORD
RFW# : 9608L451

W.O.# : 10985-001-001-9999-00
Date Received: 08-02-96

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METALS CASE NARRATIVE

1. This narrative covers the analyses of 6 TCLP leachate samples.
2. Samples were prepared and analyzed in accordance with methods checked on the attached glossary. A replicate was not performed, due to an oversight in sample preparation.
3. All analyses were not performed within the required holding times as samples were received past hold.
4. All Initial and Continuing Calibration Verifications (ICV/CCV's) were within control limits.
5. All Initial and Continuing Calibration Blanks (ICB/CCB's) were within control limits.
6. All preparation/method blanks were within method criteria.
7. All ICP Interference Check Standards were within control limits.
8. All Laboratory Control Samples (LCS) were within the laboratory control limits.
9. The TCLP extract from sample B00GY3 was selected for the matrix spike for this analytical batch. All matrix spike recoveries were greater than 50% as per method criteria.
10. For the purposes of this report, the data has been reported to the Instrument Detection Limit (IDL). Values between the IDL and the Practical Quantitation Limit (PQL) are acquired in a region of less-certain quantification.

J. Michael Taylor
Vice President and Laboratory Manager
Lionville Analytical Laboratory

8.12.96
Date

skjvm08-451

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 16 pages.

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LIONVILLE LABORATORY
ANALYTICAL REPORT

Client : TNU-HANFORD
RFW# : 9608L451
SDG# : H0072

W.O. #: 10985-001-001-9999-00
Date Received: 08-02-96

METALS CASE NARRATIVE

Listed below are Roy F. Weston (RFW) sample numbers and the corresponding TNU-HANFORD sample ID's.

RFW#	CLIENT ID
9608L451-007	B00GY3
9608L451-008	B08R96
9608L451-009	B080Q6
9608L451-010	B080N1
9608L451-011	B01RJO
9608L451-012	B01CG6

METHOD REFERENCES AND DATA QUALIFIERS

DATA QUALIFIERS

U - Indicates that the parameter was not detected at or above the reported limit. The associated numerical value is the sample detection limit.

ABBREVIATIONS

MB - Method or preparation blank.
MS - Matrix Spike.
MSD - Matrix Spike Duplicate.
REP - Sample Replicate.
LCS - Indicates a Laboratory Control Sample.
NC - Not calculated.

ANALYTICAL METAL METHODS

1. Modified

2. Modified Hg: Hg1 & Hg2 require 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).

3. Flame AA

MLV
8/7/96

METALS METHODS GLOSSARY

The following methods are used as reference for the digestion and analysis of samples contained within this RFW Lot#: 960824S1

Leaching Procedure: __1310 ✓1311 __1312 __Other: _____

CLP Metals __ Digestion and __ Analysis Methods: __ILM03.0 __ILM04.0

Metals Digestion Methods: __3005A ✓3010A __3020A __3050A __200.7 __SS17
__Other: _____

Metals Analysis Methods

	SW846	EPA	EPA OSWR	USATHAMA
Aluminum	__6010	__200.7		__99
Antimony	__6010 __7041	__200.7 __204.2		__99
Arsenic	✓6010 __7060A	__200.7 __206.2		__99
Barium	✓6010	__200.7		__99
Beryllium	__6010	__200.7		__99
Bismuth	__6010 1	__200.7 1	__1620 1	__99
Boron	__6010	__200.7		__99
Cadmium	✓6010 __7131A	__200.7 __213.2		__99
Calcium	__6010	__200.7		__99
Chromium	✓6010 __7191	__200.7 __218.2		__SS17
Cobalt	__6010	__200.7		__99
Copper	__6010 __7211	__200.7 __220.2		__99
Iron	__6010	__200.7		__99
Lead	✓6010 __7421	__200.7 __239.2		__99
Lithium	__6010 1 __7430 3	__200.7 1	__1620 1	__99
Magnesium	__6010	__200.7		__99
Manganese	__6010	__200.7		__99
Mercury	✓7470 2 __7471 2	__245.1 2 __245.5 2		__99
Molybdenum	__6010	__200.7		__99
Nickel	__6010	__200.7		__99
Potassium	__6010 __7610 3	__200.7 __258.1 3		__99
Rare Earths	__6010 1	__200.7 1	__1620 1	__99
Selenium	✓6010 __7740	__200.7 __270.2		__99
Silicon	__6010	__200.7	__1620 1	__99
Silica	__6010 1	__200.7	__1620 1	__99
Silver	✓6010 __7761	__200.7 __272.2		__99
Sodium	__6010 __7770 3	__200.7 __273.1 3		__99
Strontium	__6010	__200.7		__99
Thallium	__6010 __7841	__200.7 __279.2		__99
Tin	__6010	__200.7		__99
Titanium	__6010	__200.7		__99
Uranium	__6010 1	__200.7 1	__1620 1	__99
Vanadium	__6010	__200.7		__99
Zinc	__6010	__200.7		__99
Zirconium	__6010 1	__200.7 1	__1620 1	__99

Other: _____ Method: _____

000004

pas/5-95/method.met

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 08/07/96

CLIENT: TNU-HANFORD
WORK ORDER: 10985-001-001-9999-00

WESTON BATCH #: 9608L451

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-007	B00GY3	Silver, TCLP Leachate	7.0	u	UG/L	7.0	1.0
		Arsenic, TCLP Leachate	38.0	u	UG/L	38.0	1.0
		Barium, TCLP Leachate	694		UG/L	2.5	1.0
		Cadmium, TCLP Leachate	3.2	u	UG/L	3.2	1.0
		Chromium, TCLP Leachate	9.1	u	UG/L	9.1	1.0
		Mercury, TCLP Leachate	0.10	u	UG/L	0.10	1.0
		Lead, TCLP Leachate	54.9	u	UG/L	54.9	1.0
		Selenium, TCLP Leachate	79.6	u	UG/L	79.6	1.0
-008	B08R96	Silver, TCLP Leachate	7.0	u	UG/L	7.0	1.0
		Arsenic, TCLP Leachate	38.0	u	UG/L	38.0	1.0
		Barium, TCLP Leachate	1070		UG/L	2.5	1.0
		Cadmium, TCLP Leachate	20.1		UG/L	3.2	1.0
		Chromium, TCLP Leachate	101		UG/L	9.1	1.0
		Mercury, TCLP Leachate	0.10	u	UG/L	0.10	1.0
		Lead, TCLP Leachate	54.9	u	UG/L	54.9	1.0
		Selenium, TCLP Leachate	79.6	u	UG/L	79.6	1.0
-009	B080Q6	Silver, TCLP Leachate	7.0	u	UG/L	7.0	1.0
		Arsenic, TCLP Leachate	38.0	u	UG/L	38.0	1.0
		Barium, TCLP Leachate	527		UG/L	2.5	1.0
		Cadmium, TCLP Leachate	4.2		UG/L	3.2	1.0
		Chromium, TCLP Leachate	15.7		UG/L	9.1	1.0
		Mercury, TCLP Leachate	0.10	u	UG/L	0.10	1.0
		Lead, TCLP Leachate	54.9	u	UG/L	54.9	1.0
		Selenium, TCLP Leachate	79.6	u	UG/L	79.6	1.0

ROY F. WESTON INC.

INORGANICS DATA SUMMARY REPORT 08/07/96

CLIENT: TNU-HANFORD WESTON BATCH #: 9608L451

WORK ORDER: 10985-001-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
-010	B080N1	Silver, TCLP Leachate	7.0	u	UG/L	7.0	1.0
		Arsenic, TCLP Leachate	573		UG/L	38.0	1.0
		Barium, TCLP Leachate	556		UG/L	2.5	1.0
		Cadmium, TCLP Leachate	3.2	u	UG/L	3.2	1.0
		Chromium, TCLP Leachate	9.1	u	UG/L	9.1	1.0
		Mercury, TCLP Leachate	0.14		UG/L	0.10	1.0
		Lead, TCLP Leachate	388		UG/L	54.9	1.0
		Selenium, TCLP Leachate	79.6	u	UG/L	79.6	1.0
-011	B01RJ0	Silver, TCLP Leachate	7.0	u	UG/L	7.0	1.0
		Arsenic, TCLP Leachate	38.0	u	UG/L	38.0	1.0
		Barium, TCLP Leachate	444		UG/L	2.5	1.0
		Cadmium, TCLP Leachate	4.8		UG/L	3.2	1.0
		Chromium, TCLP Leachate	9.1	u	UG/L	9.1	1.0
		Mercury, TCLP Leachate	0.10	u	UG/L	0.10	1.0
		Lead, TCLP Leachate	54.9	u	UG/L	54.9	1.0
		Selenium, TCLP Leachate	79.6	u	UG/L	79.6	1.0
-012	B01CG6	Silver, TCLP Leachate	7.0	u	UG/L	7.0	1.0
		Arsenic, TCLP Leachate	38.0	u	UG/L	38.0	1.0
		Barium, TCLP Leachate	1950		UG/L	2.5	1.0
		Cadmium, TCLP Leachate	6.9		UG/L	3.2	1.0
		Chromium, TCLP Leachate	9.1	u	UG/L	9.1	1.0
		Mercury, TCLP Leachate	0.36		UG/L	0.10	1.0
		Lead, TCLP Leachate	54.9	u	UG/L	54.9	1.0
		Selenium, TCLP Leachate	79.6	u	UG/L	79.6	1.0

ROY F. WESTON INC.

INORGANICS METHOD BLANK DATA SUMMARY PAGE 08/07/96

CLIENT: TNU-HANFORD WESTON BATCH #: 9608L451

WORK ORDER: 10985-001-001-9999-00

SAMPLE	SITE ID	ANALYTE	RESULT		UNITS	REPORTING LIMIT	DILUTION FACTOR
BLANK1	96L1746-MB1	Silver, TCLP Leachate	7.0	u	UG/L	7.0	1.0
		Arsenic, TCLP Leachate	38.0	u	UG/L	38.0	1.0
		Barium, TCLP Leachate	2.5	u	UG/L	2.5	1.0
		Cadmium, TCLP Leachate	3.2	u	UG/L	3.2	1.0
		Chromium, TCLP Leachate	9.1	u	UG/L	9.1	1.0
		Lead, TCLP Leachate	54.9	u	UG/L	54.9	1.0
		Selenium, TCLP Leachate	79.6	u	UG/L	79.6	1.0
BLANK2	96L1746-MB2	Silver, TCLP Leachate	7.0	u	UG/L	7.0	1.0
		Arsenic, TCLP Leachate	38.0	u	UG/L	38.0	1.0
		Barium, TCLP Leachate	61.1		UG/L	2.5	1.0
		Cadmium, TCLP Leachate	3.2	u	UG/L	3.2	1.0
		Chromium, TCLP Leachate	9.1	u	UG/L	9.1	1.0
		Lead, TCLP Leachate	54.9	u	UG/L	54.9	1.0
		Selenium, TCLP Leachate	79.6	u	UG/L	79.6	1.0
BLANK1	96C0590-MB1	Mercury, Total	0.75		UG/L	0.10	1.0

ROY F. WESTON INC.

INORGANICS ACCURACY REPORT 08/07/96

CLIENT: TNU-HANFORD WESTON BATCH #: 9608L451

WORK ORDER: 10985-001-001-9999-00

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	INITIAL RESULT	SPIKED AMOUNT	%RECOV	DILUTION FACTOR(SPK)
-007	B00GY3	Silver, TCLP Leachate	5180	7.0 u	5000	103.7	1.0
		Arsenic, TCLP Leachate	5170	38.0 u	5000	108.3	1.0
		Barium, TCLP Leachate	104000	694	100000	103.2	1.0
		Cadmium, TCLP Leachate	965	3.2 u	1000	96.5	1.0
		Chromium, TCLP Leachat	4980	9.1 u	5000	99.7	1.0
		Mercury, TCLP Leachate	211	0.10u	200	105.6	100
		Lead, TCLP Leachate	4950	54.9 u	5000	99.0	1.0
		Selenium, TCLP Leachat	1460	79.6 u	1000	146.3	1.0

ROY F. WESTON INC.

INORGANICS LABORATORY CONTROL STANDARDS REPORT 08/07/96

CLIENT: TNU-HANFORD
WORK ORDER: 10985-001-001-9999-00

WESTON BATCH #: 9608L451

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	SPIKED AMOUNT	UNITS	%RECOV
LCS1	96L1746-LC1	Silver, LCS	556	500	UG/L	111.2
		Arsenic, LCS	10600	10000	UG/L	106.2
		Barium, LCS	5460	5000	UG/L	109.1
		Cadmium, LCS	258	250	UG/L	103.1
		Chromium, LCS	534	500	UG/L	106.8
		Lead, LCS	2680	2500	UG/L	107.3
		Selenium, LCS	10700	10000	UG/L	107.0
LCS1	96C0590-LC1	Mercury, LCS	5.1	5.0	UG/L	101.4

Roy F. Weston, Inc. - Lionville Laboratory
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNU-HANFORD

DATE RECEIVED: 08/02/96 RFW LOT # :9608L451

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
B00GY3						
TCLP	001	S	96LTO175	11/19/91	08/02/96	08/03/96
B08R96						
TCLP	002	S	96LTO175	07/15/93	08/02/96	08/03/96
B080Q6						
TCLP	003	S	96LTO175	02/26/93	08/02/96	08/03/96
B080N1						
TCLP	004	S	96LTO175	02/04/93	08/02/96	08/03/96
B01RJ0						
TCLP	005	S	96LTO175	01/17/92	08/02/96	08/03/96
B01CG6						
TCLP	006	S	96LTO175	01/23/92	08/02/96	08/03/96
B00GY3						
SILVER, TCLP LEACHAT	007	W	96L1746	08/03/96	08/05/96	08/06/96
SILVER, TCLP LEACHAT	007 MS	W	96L1746	08/03/96	08/05/96	08/06/96
ARSENIC, TCLP LEACHA	007	W	96L1746	08/03/96	08/05/96	08/06/96
ARSENIC, TCLP LEACHA	007 MS	W	96L1746	08/03/96	08/05/96	08/06/96
BARIUM, TCLP LEACHAT	007	W	96L1746	08/03/96	08/05/96	08/06/96
BARIUM, TCLP LEACHAT	007 MS	W	96L1746	08/03/96	08/05/96	08/06/96
CADMIUM, TCLP LEACHA	007	W	96L1746	08/03/96	08/05/96	08/06/96
CADMIUM, TCLP LEACHA	007 MS	W	96L1746	08/03/96	08/05/96	08/06/96
CHROMIUM, TCLP LEACH	007	W	96L1746	08/03/96	08/05/96	08/06/96
CHROMIUM, TCLP LEACH	007 MS	W	96L1746	08/03/96	08/05/96	08/06/96
MERCURY, TCLP LEACHA	007	W	96C0590	08/03/96	08/06/96	08/06/96

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TNU-HANFORD

DATE RECEIVED: 08/02/96 RFW LOT # :9608L451

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
MERCURY, TCLP LEACHA	007 MS	W	96C0590	08/03/96	08/06/96	08/06/96
LEAD, TCLP LEACHATE	007	W	96L1746	08/03/96	08/05/96	08/06/96
LEAD, TCLP LEACHATE	007 MS	W	96L1746	08/03/96	08/05/96	08/06/96
SELENIUM, TCLP LEACH	007	W	96L1746	08/03/96	08/05/96	08/06/96
SELENIUM, TCLP LEACH	007 MS	W	96L1746	08/03/96	08/05/96	08/06/96
B08R96						
SILVER, TCLP LEACHAT	008	W	96L1746	08/03/96	08/05/96	08/06/96
ARSENIC, TCLP LEACHA	008	W	96L1746	08/03/96	08/05/96	08/06/96
BARIUM, TCLP LEACHAT	008	W	96L1746	08/03/96	08/05/96	08/06/96
CADMIUM, TCLP LEACHA	008	W	96L1746	08/03/96	08/05/96	08/06/96
CHROMIUM, TCLP LEACH	008	W	96L1746	08/03/96	08/05/96	08/06/96
MERCURY, TCLP LEACHA	008	W	96C0590	08/03/96	08/06/96	08/06/96
LEAD, TCLP LEACHATE	008	W	96L1746	08/03/96	08/05/96	08/06/96
SELENIUM, TCLP LEACH	008	W	96L1746	08/03/96	08/05/96	08/06/96
B080Q6						
SILVER, TCLP LEACHAT	009	W	96L1746	08/03/96	08/05/96	08/06/96
ARSENIC, TCLP LEACHA	009	W	96L1746	08/03/96	08/05/96	08/06/96
BARIUM, TCLP LEACHAT	009	W	96L1746	08/03/96	08/05/96	08/06/96
CADMIUM, TCLP LEACHA	009	W	96L1746	08/03/96	08/05/96	08/06/96
CHROMIUM, TCLP LEACH	009	W	96L1746	08/03/96	08/05/96	08/06/96
MERCURY, TCLP LEACHA	009	W	96C0590	08/03/96	08/06/96	08/06/96
LEAD, TCLP LEACHATE	009	W	96L1746	08/03/96	08/05/96	08/06/96
SELENIUM, TCLP LEACH	009	W	96L1746	08/03/96	08/05/96	08/06/96
B080N1						
SILVER, TCLP LEACHAT	010	W	96L1746	08/03/96	08/05/96	08/06/96
ARSENIC, TCLP LEACHA	010	W	96L1746	08/03/96	08/05/96	08/06/96
BARIUM, TCLP LEACHAT	010	W	96L1746	08/03/96	08/05/96	08/06/96
CADMIUM, TCLP LEACHA	010	W	96L1746	08/03/96	08/05/96	08/06/96
CHROMIUM, TCLP LEACH	010	W	96L1746	08/03/96	08/05/96	08/06/96
MERCURY, TCLP LEACHA	010	W	96C0590	08/03/96	08/06/96	08/06/96
LEAD, TCLP LEACHATE	010	W	96L1746	08/03/96	08/05/96	08/06/96
SELENIUM, TCLP LEACH	010	W	96L1746	08/03/96	08/05/96	08/06/96

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TNU-HANFORD

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CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
B01RJ0						
SILVER, TCLP LEACHAT	011	W	96L1746	08/03/96	08/05/96	08/06/96
ARSENIC, TCLP LEACHA	011	W	96L1746	08/03/96	08/05/96	08/06/96
BARIUM, TCLP LEACHAT	011	W	96L1746	08/03/96	08/05/96	08/06/96
CADMIUM, TCLP LEACHA	011	W	96L1746	08/03/96	08/05/96	08/06/96
CHROMIUM, TCLP LEACH	011	W	96L1746	08/03/96	08/05/96	08/06/96
MERCURY, TCLP LEACHA	011	W	96C0590	08/03/96	08/06/96	08/06/96
LEAD, TCLP LEACHATE	011	W	96L1746	08/03/96	08/05/96	08/06/96
SELENIUM, TCLP LEACH	011	W	96L1746	08/03/96	08/05/96	08/06/96
B01CG6						
SILVER, TCLP LEACHAT	012	W	96L1746	08/03/96	08/05/96	08/06/96
ARSENIC, TCLP LEACHA	012	W	96L1746	08/03/96	08/05/96	08/06/96
BARIUM, TCLP LEACHAT	012	W	96L1746	08/03/96	08/05/96	08/06/96
CADMIUM, TCLP LEACHA	012	W	96L1746	08/03/96	08/05/96	08/06/96
CHROMIUM, TCLP LEACH	012	W	96L1746	08/03/96	08/05/96	08/06/96
MERCURY, TCLP LEACHA	012	W	96C0590	08/03/96	08/06/96	08/06/96
LEAD, TCLP LEACHATE	012	W	96L1746	08/03/96	08/05/96	08/06/96
SELENIUM, TCLP LEACH	012	W	96L1746	08/03/96	08/05/96	08/06/96
LAB QC:						
SILVER LABORATORY	LC1 BS	W	96L1746	N/A	08/05/96	08/06/96
SILVER, TCLP LEACHAT	MB1	W	96L1746	N/A	08/05/96	08/06/96
SILVER, TCLP LEACHAT	MB2	W	96L1746	N/A	08/05/96	08/06/96
ARSENIC LABORATORY	LC1 BS	W	96L1746	N/A	08/05/96	08/06/96
ARSENIC, TCLP LEACHA	MB1	W	96L1746	N/A	08/05/96	08/06/96
ARSENIC, TCLP LEACHA	MB2	W	96L1746	N/A	08/05/96	08/06/96
BARIUM LABORATORY	LC1 BS	W	96L1746	N/A	08/05/96	08/06/96
BARIUM, TCLP LEACHAT	MB1	W	96L1746	N/A	08/05/96	08/06/96
BARIUM, TCLP LEACHAT	MB2	W	96L1746	N/A	08/05/96	08/06/96
CADMIUM LABORATORY	LC1 BS	W	96L1746	N/A	08/05/96	08/06/96
CADMIUM, TCLP LEACHA	MB1	W	96L1746	N/A	08/05/96	08/06/96
CADMIUM, TCLP LEACHA	MB2	W	96L1746	N/A	08/05/96	08/06/96
CHROMIUM LABORATORY	LC1 BS	W	96L1746	N/A	08/05/96	08/06/96

Roy F. Weston, Inc. - Lionville Laboratory
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNU-HANFORD

DATE RECEIVED: 08/02/96 RFW LOT # :9608L451

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
CHROMIUM, TCLP LEACH	MB1	W	96L1746	N/A	08/05/96	08/06/96
CHROMIUM, TCLP LEACH	MB2	W	96L1746	N/A	08/05/96	08/06/96
MERCURY LABORATORY	LC1 BS	W	96C0590	N/A	08/06/96	08/06/96
MERCURY, TOTAL	MB1	W	96C0590	N/A	08/06/96	08/06/96
LEAD LABORATORY	LC1 BS	W	96L1746	N/A	08/05/96	08/06/96
LEAD, TCLP LEACHATE	MB1	W	96L1746	N/A	08/05/96	08/06/96
LEAD, TCLP LEACHATE	MB2	W	96L1746	N/A	08/05/96	08/06/96
SELENIUM LABORATORY	LC1 BS	W	96L1746	N/A	08/05/96	08/06/96
SELENIUM, TCLP LEACH	MB1	W	96L1746	N/A	08/05/96	08/06/96
SELENIUM, TCLP LEACH	MB2	W	96L1746	N/A	08/05/96	08/06/96

Yellow DATA Book pm = K A. Swiss 356 mgt Digest.

WESTON Analytics Use Only: 9608L451

Custody Transfer Record/Lab Work Request

WESTON

Page 1 of 2

Client: TNU-Hanford
Est. Final Proj. Sampling Date:
Work Order #: 10985-001-001-9999-00
Project Contact/Phone #:
AD Project Manager: KB
QC: Spec ① Del: STL TAT: 5 days
Date Rec'd: 5/1/96 Date Due: 5/6/96 mm 5/5/96
Account #: 3/92 TNUHANFORD

Refrigerator #																															
#/Type Container	Liquid								1/G																						
	Solid																														
Volume	Liquid								4 oz																						
	Solid								125g																						
Preservatives																															
ANALYSES REQUESTED →		ORGANIC																		INORG											
		VOA	BNA	Pest/PCB	Herb															Metal	CN										

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	WESTON Analytics Use Only																									
	001	B00GV3 RADII			S	11/19/91	0917																								
	2	B08R96				7/15/93	0910																								
	3	B08CC6				2/26/93	0918																								
	4	B080N1				2/4/93	1440																								
	5	B01RJ0				1/17/92	-																								
	6	B01CG6				1/23/92	-																								
RII	7	B00GV3 TCLP of 001			L	*																									
	8	B08E96 002																													
	9	B08CC6 003																													
	10	B080N1 004																													

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:
① Special = MS/Dup required

Chris Reinhotten 22°

DATE/REVISIONS:
1. No time collected on 5+6. Samples
2. 1-6 rec'd out of hold.
3. * acl leachion for leachate
4. date collected.
5/5/96 5. Connect Date's Rec'd + Disc
6. per Unit Review Revision

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

5/2/96

Relinquished by	Received by	Date	Time
Fed Ex	(Mason)	5-2-96	930

Relinquished by	Received by	Date	Time

Discrepancies Between Samples Labels and COC Record? Y or (N) NOTES: (6)

RFW 21-21-001/A-7/91 ___ L372 ___ L373 ___ L375 ___ L377 ___ L378 Ref# w/A Cooler# SML-140 381-596a

000014

WESTON Analytics Use Only
9608451

Custody Transfer Record/Lab Work Request

WESTON

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Client: TNU-Hanford
Est. Final Proj. Sampling Date:
Work Order #:
Project Contact/Phone #:
AD Project Manager: KB
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

See pg 1

Refrigerator #																					
#/Type Container	Liquid																				
	Solid																				
Volume	Liquid																				
	Solid																				
Preservatives																					
ANALYSES REQUESTED →		ORGANIC												INORG							
		VOA	BNA	Pest/PCB	Herb									Metal	CN						

WESTON Analytics Use Only

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															
011	B01RJ0 TCLP of 005			L	*	J								✓							
012	B01GG 006			L	L	J								✓							

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

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

WESTON Analytics Use Only

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

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N
COC Record Present Upon Sample Rec't Y or N

See pg 1

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
Jedley	Jodcr	8/2/96	0930				

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

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

000015

TMA
Thermo Analytical Inc.

9608C451

TMA/Norcal 2030 Wright Avenue / P.O. Box 4040 / Richmond, CA 94804-0040 / (415) 235-2633 / FAX (415) 235-0438

Chain of Custody

CLIENT Roy F. Weston, Inc.
ADDRESS 208 Welsh Pool Road
Lionville, PA 19341-1353
PROJECT
SAMPLERS (SIGNATURE)

DATE 08-01-96 PAGE 1 OF 1

SAMPLE NO	DATE	TIME	LOCATION	PARAMETERS: TCLP Metals	SAMPLE TYPE OR MATRIX (e.g. water soil, filters, charcoal tube, asbestos, oil)	# CONTAINERS	OBSERVATIONS, COMMENTS, VOLUMES, SPECIAL OR ADDITIONAL TESTS
B00GY3			300-FF-1	✓	SOIL	1	
B08R96			100-BC-2	✓		1	
B080G6			100-FR-1	✓		1	
B080N1			100-FR-1	✓		1	
B01RJ0			300-FF-1	✓		1	
B01GG6			300-FF-1	✓	↓	1	

1) RELINQUISHED BY: Signature	DATE	2) RECEIVED BY: Signature	DATE	3) RELINQUISHED BY: Signature	DATE	4) RECEIVED BY: Signature	DATE
Henry A. Narcus	8/1/96			Fred G	8/2/96	M Jason	8/2/96
Printed Name	TIME	Printed Name	TIME	Printed Name	TIME	Printed Name	TIME
Thermo Nutech	4:00 PM	Company		Company	930	M Jason Weston	92

5) RELINQUISHED BY: Signature	DATE	6) RECEIVED BY: Signature	DATE	7) RELINQUISHED BY: Signature	DATE	RECEIVED BY (Laboratory) Signature	DATE
Printed Name	TIME	Printed Name	TIME	Printed Name	TIME	Printed Name	TIME
Company		Company		Company		TMA/Norcal	

TOTAL NUMBER OF CONTAINERS

METHOD OF SHIPMENT

SPECIAL SHIPMENT-HANDLING OR STORAGE REQUIREMENTS

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