

0047821

9106L878-WES
1100-EM-1

ISOTOPES
WESTON / WESTINGHOUSE / HANFORD**Case Narrative/Cover Sheet for Reports of Analysis and Lab Data**Date 11/20/91TI #'s 44095-44104WO #'s 4-2584

9106L878

*I Sub***Comments:**Gr-Alpha: Spike activity for TI#44103 75. pCi/l acceptable range 56. - 94.Gr-Beta: Spike activity for TI#44103 151. pCi/l acceptable range 143. - 159.Radium-226: Spike activity for TI#44103 16.1 pCi/l acceptable range 13.7 - 18.5Strontium-90: Spike activity for TI#44103 40. pCi/l acceptable range 34. - 46.Tritium: Spike activity for TI#44103 4.5 E 04 pCi/l acceptable range 3.6 - 5.4 E04Radium-228: Spike activity for TI#44103 23.3 pCi/l acceptable range 17. - 29.**Contents:**

Reports of Analysis	<u>2</u>	Pages
Gross Alpha	<u>4</u>	Pages
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Sr-90	<u>7</u>	Pages
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H-3	<u>1</u>	Pages
Ra-226	<u>7</u>	Pages
C-O-C	<u>1</u>	Pages
Other	<u>-</u>	Pages

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/20/91

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PAGE 1

MS JOSIE KING
 WESTON/WESTINGHOUSE/HANFORD
 208 WELSH POOL ROAD
 PICKERING CREEK INDUSTRIAL PARK
 LIONVILLE PA 19341-1313

4-2590

LL-0850-F4

07/02/91

08/04/91

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-X U/M *	MID-COUNT		VOLUME - UNITS ASH-WGHT-X *	LAB.
			START DATE	STOP DATE				TIME	TIME		
44098	9106L878-001	800Z82	06/12		RA-226	L.T. 1. E-01		08/02		2	
					GR-A	L.T. 4. E 00		08/07		3	
					GP-B	1.3 +-0.3 E 01		08/07		3	
					SP-90	5.2 +-3.9 E-01		08/10		3	
					RA-228	L.T. 2. E 00		08/19		3	
					H-3	L.T. 2. E 02		09/18		5	
44099	9106L878-002	800Z86	06/12		PA-226	4.6 +-1.3 E-C1		08/02		2	
					GR-A	L.T. 3. E 00		08/08		3	
					GR-B	5.2 +-2.5 E 00		08/07		3	
					SR-90	L.T. 6. E-01		08/10		3	
					RA-228	L.T. 2. E 00		08/20		3	
					H-3	L.T. 2. E 02		09/18		5	
44100	9106L878-003	800ZC0	06/12		RA-226	L.T. 5. E-01		08/05		2	
					GR-A	L.T. 3. E 00		08/07		3	
					GR-B	8.9 +-3.0 E 00		08/07		3	
					SR-90	L.T. 5. E-01		08/10		3	
					RA-228	L.T. 2. E 00		08/20		3	
					H-3	L.T. 2. E 02		09/18		5	
44101	9106L878-004	800ZC4	06/12		RA-226	L.T. 2. E-01		08/02		2	
					GR-A	L.T. 3. E 00		08/07		3	
					GR-B	6.2 +-2.7 E 00		08/07		3	
					SR-90	L.T. 5. E-01		08/10		3	
					RA-228	L.T. 2. E 00		08/20		3	
					H-3	L.T. 2. E 02		09/18		5	

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 LIONVILLE PA 19341-1313

W A T F R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME		
44102	9106L878-004 DUP44101		06/12		RA-226	L.T. 2. E-01		08/02		2	
					GR-A	L.T. 3. E 00		08/07		3	
					GR-B	5.6 +-2.6 E 00		08/07		3	
					SR-90	L.T. 4. E-01		08/10		3	
					RA-228	L.T. 2. E 00		08/21		3	
					H-3	L.T. 2. E 02		09/18		5	
44103	SPIKE		07/0R		RA-226	1.5 +-0.1 E 01		08/06		2	
					GR-A	9.6 +-0.8 E 01		08/07		3	
					GR-B	1.6 +-0.1 E 02		08/07		3	
					SR-90	3.4 +-0.4 E 01		11/19		3	
					RA-228	2.0 +-0.4 E 01		08/21		3	
					H-3	4.5 +-0.2 E 04		09/18		5	
44104	BLANK		07/0R		RA-226	L.T. 5. E-01		08/06		2	
					GR-A	L.T. 3. E 00		08/07		3	
					GR-B	L.T. 4. E 00		08/07		3	
					SR-90	L.T. 7. E-01		11/16		3	
					RA-228	L.T. 2. E 00		08/21		3	
					H-3	L.T. 2. E 02		09/18		5	

LAST PAGE OF REPORT

APPROVED BY J. GUENTHER 11/20/91

SEND 1 COPIES TO WE884S MS JOSIE KING

2 - GAS LAB.

3 - RADIO CHEMISTRY LAB.

4 - GE(LI) GAMMA SPEC LAB.

5 - TRITIUM GAS/L.S. LAB.

6 - ALPHA SPEC LAB.

Custody Transfer Record/Lab Work Request

WESTON

Page 14 of 16

Client <u>Weston Analytics</u>		Refrigerator #														
Est. Final Proj. Sampling Date		#Type Container		Liquid												
Work Order # <u>6168-02-01-0000</u>		Volume		Solid												
Project Contact/Phone # <u>Diane Thomas</u>		Preservatives		Liquid												
AD Project Manager <u>Josie King</u>				Solid												
OC _____ Del _____ TAT _____		ANALYSES REQUESTED →		ORGANIC				INORG								
Date Rec'd _____ Date Due _____				VOA	BNA	Pea/PCB	Herb	RADIO-chem		Metal	CN					
Account # _____																

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓)	Matrix	Date Collected	VOA	BNA	Pea/PCB	Herb	RADIO-chem	Metal	CN	RFW #
S - Soil		B00Z62		W	6/10/91					4			9106L838-004
SE - Sediment		B00Z66		W	6/10/91					4			9106L838-005
SO - Solid		B00YJ1		S	6/11/91					13			9106L850-001
SL - Sludge		B00Z70		W	6/11/91					4			9106L854-001
W - Water		B00Z74		W	6/11/91					4			9106L854-002
O - Oil		B00Z82		W	6/11/91					4			9106L854-003
A - Air		B00Z82		W	6/12/91					4			9106L878-001
DS - Drum Solids		B00Z86		W	6/12/91					4			9106L878-002
DL - Drum Liquids		B00ZC0		W	6/12/91					4			9106L878-003
L - EP/TCLP Leachate		B00ZC4		W	6/12/91					4			9106L878-004
WI - Wipe													
X - Other													
F - Fish													

Special Instructions:

DATE/REVISIONS:

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

WESTON Analytics Use Only

Samples were:	COC Tape was
1) Shipped _____ or	1) Present on Outer
Hand Delivered	Package Y or N
Arbitt # _____	2) Unbroken on Outer
2) Ambient or Chilled	Package Y or N
3) Received in Good	3) Present on Sample
Condition Y or N	Y or N
4) Properly Preserved	4) Unbroken on
Y or N	Sample Y or N
5) Received Within	COC Record Present
Holding Times	Upon Sample Rec'd
Y or N	Y or N

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time

Discrepancies Between
Samples Labels and
COC Record? Y or N

NOTES

L372

L373

L375

L377

L378

Ref#

Cooler#

381 596.3

WESTON / WESTINGHOUSE / HANFORD

Case Narrative/Cover Sheet for Reports of Analysis and Lab Data

Date 11/20/91
 TI #'s 44095-44104
 WO #'s 4-2584

91066878

I Sub

Comments:

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Gr-Beta: Spike activity for TI#44103 151. pCi/l acceptable range 143. - 159.

Radium-226: Spike activity for TI#44103 16.1 pCi/l acceptable range 13.7 - 18.5

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08/04/91

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					GR-B	L.T. 4. E 00		08/07		3	
					SR-90	L.T. 7. E-01		11/16		3	
					RA-228	L.T. 2. E 00		08/21		3	
					H-3	L.T. 2. E 02		09/18		5	

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[illegible][illegible]

Special Instructions:				DATE/REVISIONS:				WESTON Analytics Use Only	
				1 _____				Samples were 1) Shipped _____ or Hand Delivered _____ Airbill # _____ 2) Ambient or Chilled _____ 3) Received in Good Condition Y or N _____ 4) 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 I Y or N _____
				2 _____					
				3 _____					
				4 _____					
				5 _____					
				6 _____					
Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time	Discrepancies Between Samples Labels and COC Record? Y or N _____ NOTES _____	