84990-WES-679

0048353

WESTON
MANAGERS DESIGNERS/CONSULTANTS
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE, PA 19341-1313
PHONE: (215) 524-7360
TELEX: 83-5348

9 September 1992

NOV 1997
RECEIVED
EDMC

SEP 1992
RECEIVED
OSM DMO

Ms. Jeanette Duncan
Westinghouse-Hanford
2355 Stevens Drive
200 W/MO-346/T6-08
Richland, WA 99352

Dear Jeanette:

This letter is to inform you of an incorrect client ID number throughout the data packages that was inadvertantly missed. The client ID is shown as BO6ZG1 in the Radiochemistry packages and the correct number should be BO6ZQ1. The RFW number is 9207L014.

Please give me a call if you have any questions.

Very truly yours,

ROY F. WESTON, INC.

Josie Edwards

Josie Edwards
Project Information Analyst

/clk

Enclosure:

ISOTOPES

WESTON/WESTINGHOUSE/HANFORD

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

Date 08-21-92

TI #'s 84990 - 85000, 85024

WO # 4-2983

RECORD COPY

AUG 1992
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OSM DMO

Comments:

There were no unusual occurrences with the analysis of these samples.

Contents:

Reports of Analysis		11	Pages
Gross Alpha	PRO-032-1	8	Pages
Gross Beta		-	Pages
Gamma	PRO-042-5	12	Pages
C-O-C		1	Pages
Other		-	Pages

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 08/21/92

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 1
4-2983	LL-1140-F4	07/31/92	09/02/92	

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

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
84990	9207L014-001	B06PY7	07/12	0745			GR-A	L.T. 1. E 00		08/14			3
							GR-B	6.1 +-1.8 E 00		08/14			3
							GR-A	5.5 +-9.46E-01		08/14			3
							GR-B	L.T. 3. E 00		08/14			3
							BE-7	L.T. 7. E 01		08/07			4
							K-40	L.T. 1. E 02		08/07			4
							MN-54	L.T. 5. E 00		08/07			4
							CO-58	L.T. 6. E 00		08/07			4
							FE-59	L.T. 1. E 01		08/07			4
							CO-60	L.T. 6. E 00		08/07			4
							ZN-65	L.T. 1. E 01		08/07			4
							ZR-95	L.T. 8. E 00		08/07			4
							RU-103	L.T. 9. E 00		08/07			4
							RU-106	L.T. 5. E 01		08/07			4
							I-131	L.T. 6. E 01		08/07			4
							CS-134	L.T. 7. E 00		08/07			4
							CS-137	L.T. 8. E 00		08/07			4
							BA-140	L.T. 3. E 01		08/07			4
							CE-141	L.T. 2. E 01		08/07			4
							CE-144	L.T. 5. E 01		08/07			4
							EU-152	L.T. 2. E 01		08/07			4
							EU-154	L.T. 1. E 01		08/07			4
							EU-155	L.T. 2. E 01		08/07			4
							RA-226	L.T. 1. E 02		08/07			4
							TH-228	L.T. 1. E 01		08/07			4
							TH-234	L.T. 2. E 02		08/07			4
84991	9207L014-004	B06PX2	07/11	0915			GR-A	L.T. 2. E 00		08/14			3
							GR-B	2.6 +-0.3 E 01		08/14			3
							GR-A	1.1 +-1.39E 00		08/14			3
							GR-B	L.T. 3. E 00		08/14			3
							BE-7	L.T. 6. E 01		08/07			4

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 08/21/92

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-2983	LL-1140-F4	07/31/92	09/02/92

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

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
84991	9207L014-004	B06PX2	07/11	0915			K-40	L.T. 1. E 02		08/07			4
							MN-54	L.T. 6. E 00		08/07			4
							CO-58	L.T. 6. E 00		08/07			4
							FE-59	L.T. 2. E 01		08/07			4
							CO-60	L.T. 6. E 00		08/07			4
							ZN-65	L.T. 1. E 01		08/07			4
							ZR-95	L.T. 7. E 00		08/07			4
							RU-103	L.T. 1. E 01		08/07			4
							RU-106	L.T. 5. E 01		08/07			4
							I-131	L.T. 6. E 01		08/07			4
							CS-134	L.T. 6. E 00		08/07			4
							CS-137	L.T. 8. E 00		08/07			4
							BA-140	L.T. 3. E 01		08/07			4
							CE-141	L.T. 2. E 01		08/07			4
							CE-144	L.T. 5. E 01		08/07			4
							EU-152	L.T. 2. E 01		08/07			4
							EU-154	L.T. 2. E 01		08/07			4
							EU-155	L.T. 2. E 01		08/07			4
							RA-226	L.T. 1. E 02		08/07			4
							TH-228	L.T. 1. E 01		08/07			4
							TH-234	L.T. 2. E 02		08/07			4
84992	9207L014-007	B06ZG1	07/12	0700			GR-A	L.T. 1. E 00		08/14			3
							GR-B	3.0 +-0.2 E 01		08/14			3
							GR-A	9.4 +-10.4E-01		08/14			3
							GR-B	L.T. 2. E 00		08/14			3
							BE-7	L.T. 1. E 02		08/07			4
							K-40	L.T. 2. E 02		08/07			4
							MN-54	L.T. 8. E 00		08/07			4
							CO-58	L.T. 8. E 00		08/07			4
							FE-59	L.T. 2. E 01		08/07			4
							CO-60	L.T. 8. E 00		08/07			4

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 09/21/92

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 3
4-2983	LL-1140-F4	07/31/92	09/02/92	

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

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
84992	9207L014-007	B06ZG1	07/12	0700			ZN-65	L.T. 2. E 01		08/07			4
							ZR-95	L.T. 1. E 01		08/07			4
							RU-103	L.T. 1. E 01		08/07			4
							RU-106	L.T. 8. E 01		08/07			4
							I-131	L.T. 8. E 01		08/07			4
							CS-134	L.T. 9. E 00		08/07			4
							CS-137	L.T. 9. E 00		08/07			4
							BA-140	L.T. 3. E 01		08/07			4
							CE-141	L.T. 2. E 01		08/07			4
							CE-144	L.T. 6. E 01		08/07			4
							EU-152	L.T. 2. E 01		08/07			4
							EU-154	L.T. 3. E 01		08/07			4
							EU-155	L.T. 3. E 01		08/07			4
							RA-226	L.T. 2. E 02		08/07			4
							TH-228	L.T. 1. E 01		08/07			4
							TH-234	L.T. 2. E 02		08/07			4
84993	9207L014-010	B06008	07/12	0700			GR-A	L.T. 1. E 00		08/14			3
							GR-B	3.1 +-0.3 E 01		08/14			3
							GR-A	9.6 +-10.6E-01		08/14			3
							GR-B	L.T. 3. E 00		08/14			3
							BE-7	L.T. 1. E 02		08/08			4
							K-40	L.T. 2. E 02		08/08			4
							MN-54	L.T. 9. E 00		08/08			4
							CO-58	L.T. 1. E 01		08/08			4
							FE-59	L.T. 3. E 01		08/08			4
							CO-60	L.T. 9. E 00		08/08			4
							ZN-65	L.T. 2. E 01		08/08			4
							ZR-95	L.T. 1. E 01		08/08			4
							RU-103	L.T. 1. E 01		08/08			4
							RU-106	L.T. 9. E 01		08/08			4
							I-131	L.T. 1. E 02		08/08			4

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 08/21/92

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 4
4-2983	LL-1140-F4	07/31/92	09/02/92	

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

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
84993	9207L014-010	B06Q08	07/12	0700			CS-134	L.T. 1. E 01		08/08			4
							CS-137	L.T. 1. E 01		08/08			4
							BA-140	L.T. 4. E 01		08/08			4
							CE-141	L.T. 2. E 01		08/08			4
							CE-144	L.T. 6. E 01		08/08			4
							EU-152	L.T. 3. E 01		08/08			4
							EU-154	L.T. 3. E 01		08/08			4
							EU-155	L.T. 3. E 01		08/08			4
							RA-226	L.T. 2. E 02		08/08			4
							TH-228	L.T. 2. E 01		08/08			4
							TH-234	L.T. 2. E 02		08/08			4
84994	9207L014-013	B06Q14	07/12	0925			GR-A	L.T. 2. E 00		08/14			3
							GR-B	3.3 +-0.3 E 01		08/14			3
							GR-A	6.5 +-11.2E-01		08/14			3
							GR-B	L.T. 4. E 00		08/14			3
							BE-7	L.T. 1. E 02		08/09			4
							K-40	L.T. 3. E 02		08/09			4
							MN-54	L.T. 1. E 01		08/09			4
							CO-58	L.T. 1. E 01		08/09			4
							FE-59	L.T. 3. E 01		08/09			4
							CO-60	L.T. 1. E 01		08/09			4
							ZN-65	L.T. 2. E 01		08/09			4
							ZR-95	L.T. 1. E 01		08/09			4
							RU-103	L.T. 2. E 01		08/09			4
							RU-106	L.T. 1. E 02		08/09			4
							I-131	L.T. 1. E 02		08/09			4
							CS-134	L.T. 1. E 01		08/09			4
							CS-137	L.T. 1. E 01		08/09			4
							BA-140	L.T. 5. E 01		08/09			4
							CE-141	L.T. 3. E 01		08/09			4
							CE-144	L.T. 7. E 01		08/09			4

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 08/21/92

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 5
4-2983	LL-1140-F4	07/31/92	09/02/92	

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

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
84994	9207L014-013	B06Q14	07/12	0925			EU-152	L.T. 3. E 01		08/09			4
							EU-154	L.T. 4. E 01		08/09			4
							EU-155	L.T. 3. E 01		08/09			4
							RA-226	L.T. 2. E 02		08/09			4
							TH-228	L.T. 2. E 01		08/09			4
							TH-234	L.T. 2. E 02		08/09			4
84995	9207L014-016	B06Q59	07/10	1001			GR-A	L.T. 2. E 00		08/14			3
							GR-B	4.9 +-0.3 E 01		08/14			3
							GR-A -	1.9 +-10.3E-01		08/14			3
							GR-B	L.T. 3. E 00		08/14			3
							BE-7	L.T. 8. E 01		08/11			4
							K-40	L.T. 9. E 01		08/11			4
							MN-54	L.T. 6. E 00		08/11			4
							CO-58	L.T. 8. E 00		08/11			4
							FE-59	L.T. 2. E 01		08/11			4
							CO-60	L.T. 7. E 00		08/11			4
							ZN-65	L.T. 2. E 01		08/11			4
							ZR-95	L.T. 8. E 00		08/11			4
							RU-103	L.T. 1. E 01		08/11			4
							RU-106	L.T. 6. E 01		08/11			4
							I-131	L.T. 1. E 02		08/11			4
							CS-134	L.T. 6. E 00		08/11			4
							CS-137	L.T. 7. E 00		08/11			4
							BA-140	L.T. 4. E 01		08/11			4
							CE-141	L.T. 2. E 01		08/11			4
							CE-144	L.T. 5. E 01		08/11			4
							EU-152	L.T. 2. E 01		08/11			4
							EU-154	L.T. 2. E 01		08/11			4
							EU-155	L.T. 2. E 01		08/11			4
							RA-226	L.T. 1. E 02		08/11			4
							TH-228	L.T. 1. E 01		08/11			4

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 08/21/92

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 6
4-2983	LL-1140-F4	07/31/92	09/07/92	

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

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
84995	9207L014-016	B06Q59	07/10	1001			TH-234	L.T. 1. E 02		08/11			4
84996	9207L014-019	B06Q62	07/11	1135			GR-A	L.T. 2. E 00		08/14			3
							GR-B	4.2 +-0.3 E 01		08/14			3
							GR-A	1.6 +-1.59E 00		08/14			3
							GR-B	L.T. 3. E 00		08/14			3
							BE-7	L.T. 1. E 02		08/09			4
							K-40	L.T. 2. E 02		08/09			4
							MN-54	L.T. 1. E 01		08/09			4
							CO-58	L.T. 1. E 01		08/09			4
							FE-59	L.T. 3. E 01		08/09			4
							CO-60	L.T. 9. E 00		08/09			4
							ZN-65	L.T. 2. E 01		08/09			4
							ZR-95	L.T. 1. E 01		08/09			4
							RU-103	L.T. 2. E 01		08/09			4
							RU-106	L.T. 9. E 01		08/09			4
							I-131	L.T. 1. E 02		08/09			4
							CS-134	L.T. 1. E 01		08/09			4
							CS-137	L.T. 1. E 01		08/09			4
							BA-140	L.T. 5. E 01		08/09			4
							CE-141	L.T. 3. E 01		08/09			4
							CE-144	L.T. 8. E 01		08/09			4
							EU-152	L.T. 3. E 01		08/09			4
							EU-154	L.T. 3. E 01		08/09			4
							EU-155	L.T. 3. E 01		08/09			4
							RA-226	L.T. 2. E 02		08/09			4
							TH-228	L.T. 2. E 01		08/09			4
							TH-234	L.T. 2. E 02		08/09			4

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 08/21/92

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 7
4-2983	LL-1140-F4	07/31/92	09/02/92	

MS JOSIE KING
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LIONVILLE PA 19341-1313

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
84997	9207L014-022	B06Q68	07/10	0945			GR-A	L.T. 2. E 00		08/20			3
							GR-B	2.0 +-0.3 E 01		08/14			3
							GR-A	1.3 +-1.78E 00		08/20			3
							GR-B	L.T. 4. E 00		08/14			3
							BE-7	L.T. 2. E 02		08/09			4
							K-40	L.T. 2. E 02		08/09			4
							MN-54	L.T. 1. E 01		08/09			4
							CO-58	L.T. 1. E 01		08/09			4
							FE-59	L.T. 4. E 01		08/09			4
							CO-60	L.T. 1. E 01		08/09			4
							ZN-65	L.T. 2. E 01		08/09			4
							ZR-95	L.T. 2. E 01		08/09			4
							RU-103	L.T. 2. E 01		08/09			4
							RU-106	L.T. 1. E 02		08/09			4
							I-131	L.T. 2. E 02		08/09			4
							CS-134	L.T. 1. E 01		08/09			4
							CS-137	L.T. 1. E 01		08/09			4
							BA-140	L.T. 7. E 01		08/09			4
							CE-141	L.T. 5. E 01		08/09			4
							CE-144	L.T. 1. E 02		08/09			4
							EU-152	L.T. 4. E 01		08/09			4
							EU-154	L.T. 4. E 01		08/09			4
							EU-155	L.T. 7. E 01		08/09			4
							RA-226	L.T. 4. E 02		08/09			4
							TH-228	L.T. 3. E 01		08/09			4
							TH-234	L.T. 5. E 02		08/09			4
84998	9207L014-025	B06Q80	07/11	1112			GR-A	7.4 +-1.9 E 00		08/14			3
							GR-B	1.9 +-0.2 E 01		08/14			3
							GR-A	L.T. 1. E 00		08/14			3
							GR-B	L.T. 2. E 00		08/14			3
							BE-7	L.T. 1. E 02		08/09			4

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 08/21/92

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-2983	LL-1140-F4	07/31/92	09/02/92	

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

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
84998	9207L014-025	B06080	07/11	1112			K-40	L.T. 3. E 02		08/09			4
							MN-54	L.T. 1. E 01		08/09			4
							CO-58	L.T. 1. E 01		08/09			4
							FE-59	L.T. 4. E 01		08/09			4
							CO-60	L.T. 1. E 01		08/09			4
							ZN-65	L.T. 3. E 01		08/09			4
							ZR-95	L.T. 2. E 01		08/09			4
							RU-103	L.T. 2. E 01		08/09			4
							RU-106	L.T. 1. E 02		08/09			4
							I-131	L.T. 2. E 02		08/09			4
							CS-134	L.T. 1. E 01		08/09			4
							CS-137	L.T. 1. E 01		08/09			4
							BA-140	L.T. 7. E 01		08/09			4
							CE-141	L.T. 3. E 01		08/09			4
							CE-144	L.T. 7. E 01		08/09			4
							EU-152	L.T. 3. E 01		08/09			4
							EU-154	L.T. 4. E 01		08/09			4
							EU-155	L.T. 3. E 01		08/09			4
							RA-226	L.T. 2. E 02		08/09			4
							TH-228	L.T. 2. E 01		08/09			4
							TH-234	L.T. 2. E 02		08/09			4
84999	9207L014-028	B06086	07/11	0732			GR-A	2.1 +-0.1 E 02		08/14			3
							GR-B	4.7 +-0.1 E 02		08/14			3
							GR-A	L.T. 2. E 00		08/14			3
							GR-B	L.T. 3. E 00		08/14			3
							BE-7	L.T. 6. E 01		08/11			4
							K-40	L.T. 9. E 01		08/11			4
							MN-54	L.T. 5. E 00		08/11			4
							CO-58	L.T. 6. E 00		08/11			4
							FE-59	L.T. 1. E 01		08/11			4
							CO-60	L.T. 5. E 00		08/11			4

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 09/21/92

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 9
4-2983	LL-1140-F4	07/31/92	09/02/92	

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

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
84999	9207L014-028	BC6Q86	07/11	0732			ZN-65	L.T. 1. E 01		08/11			4
							ZR-95	L.T. 6. E 00		08/11			4
							RU-103	L.T. 8. E 00		08/11			4
							RU-106	L.T. 5. E 01		08/11			4
							I-131	L.T. 8. E 01		08/11			4
							CS-134	L.T. 4. E 00		08/11			4
							CS-137	L.T. 5. E 00		08/11			4
							BA-140	L.T. 3. E 01		08/11			4
							CE-141	L.T. 2. E 01		08/11			4
							CE-144	L.T. 5. E 01		08/11			4
							EU-152	L.T. 2. E 01		08/11			4
							EU-154	L.T. 1. E 01		08/11			4
							EU-155	L.T. 2. E 01		08/11			4
							RA-226	L.T. 1. E 02		08/11			4
							TH-228	L.T. 1. E 01		08/11			4
							TH-234	L.T. 1. E 02		08/11			4
85000	9207L014-031	BC6Q92	07/11	0850			GR-A	L.T. 2. E 00		08/14			3
							GR-B	3.8 +-0.1 E 02		08/14			3
							GR-A	6.8 +-12.4E-01		08/14			3
							GR-B	L.T. 3. E 00		08/14			3
							BE-7	L.T. 1. E 02		08/09			4
							K-40	2.90+-0.815 02		08/09			4
							MN-54	L.T. 1. E 01		08/09			4
							CO-58	L.T. 1. E 01		08/09			4
							FE-59	L.T. 3. E 01		08/09			4
							CO-60	L.T. 1. E 01		08/09			4
							ZN-65	L.T. 3. E 01		08/09			4
							ZR-95	L.T. 1. E 01		08/09			4
							RU-103	L.T. 2. E 01		08/09			4
							RU-106	L.T. 1. E 02		08/09			4
							I-131	L.T. 1. E 02		08/09			4

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 08/21/92

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 10
4-2983	LL-1140-F4	07/31/92	08/02/92	

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

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
85000	9207L014-031	806Q92	07/11	0850			CS-134	L.T. 1. E 01		08/09			4
							CS-137	L.T. 1. E 01		08/09			4
							BA-140	L.T. 5. E 01		08/09			4
							CE-141	L.T. 3. E 01		08/09			4
							CE-144	L.T. 7. E 01		08/09			4
							EU-152	L.T. 3. E 01		08/09			4
							EU-154	L.T. 3. E 01		08/09			4
							EU-155	L.T. 3. E 01		08/09			4
							RA-226	L.T. 2. E 02		08/09			4
							TH-228	L.T. 2. E 01		08/09			4
							TH-234	L.T. 2. E 02		08/09			4
85024	9207L014-013DUP806Q14		07/12	0925			GR-A	L.T. 2. E 00		08/13			3
							GR-B	3.1 +-0.3 E 01		08/13			3
							GR-A	6.5 +-13.1E-01		08/13			3
							GR-B	L.T. 4. E 00		08/13			3
							BE-7	L.T. 1. E 02		08/09			4
							K-40	L.T. 2. E 02		08/09			4
							MN-54	L.T. 1. E 01		08/09			4
							CO-58	L.T. 1. E 01		08/09			4
							FE-59	L.T. 3. E 01		08/09			4
							CO-60	L.T. 1. E 01		08/09			4
							ZN-65	L.T. 2. E 01		08/09			4
							ZR-95	L.T. 1. E 01		08/09			4
							RU-103	L.T. 2. E 01		08/09			4
							RU-106	L.T. 1. E 02		08/09			4
							I-131	L.T. 1. E 02		08/09			4
							CS-134	L.T. 1. E 01		08/09			4
							CS-137	L.T. 1. E 01		08/09			4
							BA-140	L.T. 6. E 01		08/09			4
							CE-141	L.T. 4. E 01		08/09			4
							CE-144	L.T. 1. E 02		08/09			4

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Page ____ of ____

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

Refrigerator #																					
#/Type Container	Liquid																				
	Solid																				
Volume	Liquid																				
	Solid																				
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														
	B06Q92			W	7 11 92	08:50						✓		Ref 9207L014-031							

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Special Instructions:

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

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
[signature]	Fred-X				S. Jackson	7-31-92	1200

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

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

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