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6. Author

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7. Abstract

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APPENDIX E RADIOCHEMISTRY VALIDATED DETECTED RESULTS SUMMARY

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1. INTRODUCTION

This report presents a summary of data validation results on biota samples (rodents, insects, vegetation, and soil) collected for the Hanford Site 200 Area Biota Sampling Project.

The analyses performed consisted of:

- Metals: U.S. Environmental Protection Agency Contract Laboratory Program (CLP) Target Analyte List (TAL) metals and cyanide, and

- Radiochemistry: strontium-90, total uranium, technetium-99 and selected isotopes by gamma spectroscopy (beryllium-7, potassium-40, manganese-54, cobalt-58, iron-59, cobalt-60, zinc-59, zirconium-95, ruthenium-103, ruthenium-106, iodine-131, cesium-134/137, barium-140, cerium-141, cerium-144, europium-152/154/155, radium-226 and thorium-228/234).

The laboratories used for analysis were Teledyne Isotopes Laboratory for radiochemistry analysis and Weston Analytics Laboratory for metals analysis.

Data validation was conducted in accordance with the WHC statement of work (WHC 1993a) and validation procedures (WHC 1993b, WHC 1993c) in which 100% of the sample results were verified for transcription errors against the raw data, then twenty percent (20%) of the samples were validated, and the remaining 80% in addition to being verified for transcription errors were assessed against all associated laboratory blanks and quality control samples with results qualified accordingly. Tables 1-1 and 1-2 provide a glossary of all qualifiers applied to the validated metals and radiochemistry results.

Four sections, including this introduction, comprise this report. Sections 2.0 and 3.0 provide summaries of the validation of the metals and radiochemistry parameters, respectively, and section 4.0 provides a list of references used to prepare this report. Appendix A to this report contains the validated metals data summary, Appendix B contains the validated metals laboratory results forms, Appendix C contains the validated radiochemistry data summary, Appendix D contains the validated radiochemistry laboratory results forms and Appendix E contains the validated detected radiochemistry results. For clarification purposes radiochemistry samples not analyzed for technetium-99 are noted with a triple dash (---) in Appendix C.

1.1 OBJECTIVES AND SCOPE

The objectives of this project were to verify 100% and validate 20% of the samples against laboratory method performance and data validation criteria to define the usability of the data for the 200 Area Biota project.

1.2 SAMPLES AND ANALYSES VALIDATED

Table 1-3 provides a cross-reference list of all samples validated including data package tracking numbers, HEIS sample numbers, sample dates, sample locations, sample type, and analyses performed.

Table 1-1. Glossary of Inorganic Data Validation Qualifiers.

B - Indicates the constituent was analyzed for and detected. The concentration reported is less than the contract required detection limit (CRDL) but greater than the instrument detection limit (IDL). The associated data should be considered usable for decision making purposes.

U - Indicates the constituent was analyzed for and not detected. The concentration reported is the sample detection limit corrected for aliquot size, dilution and percent solids (in the case of solid matrices) by the laboratory. The associated data should be considered usable for decision making purposes.

UJ - Indicates the constituent was analyzed for and not detected. Due to a quality control deficiency identified during data validation the concentration may not accurately reflect the sample detection limit. The associated data have been qualified as estimated but should be considered usable for decision making purposes.

BJ - Indicates the constituent was analyzed for and detected at a concentration less than the contract required detection limit (CRDL) but greater than the instrument detection limit (IDL). Due to a quality control deficiency identified during data validation the associated data have been qualified as estimated, but should be considered usable for decision making purposes.

J - Indicates the constituent was analyzed for and detected. Due to a quality control deficiency identified during data validation the associated data have been qualified as estimated, but should be considered usable for decision making purposes.

UR - Indicates the constituent was analyzed for and not detected. Due to a quality control deficiency identified during data validation, the associated data have been qualified as unusable for decision making purposes.

R - Indicates the constituent was analyzed for and detected. Due to a quality control deficiency identified during data validation, the associated data have been qualified as unusable for decision making purposes.

Table 1-2. Glossary of Radiochemistry Data Validation Qualifiers.

U - Indicates the constituent was analyzed for, but was not detected at a concentration above the minimum detectable activity (MDA). The concentration reported is the MDA corrected for sample aliquot size, dilution factors and percent solids (in the case of solid matrices) by the laboratory. The associated data should be considered usable for decision making purposes.

UJ - Indicates the constituent was analyzed for and was not detected at a concentration above the MDA. Due to a quality control deficiency identified during data validation, the concentration reported may not accurately reflect the sample MDA The associated data should be considered usable for decision making purposes.

J - Indicates the constituent was analyzed for and detected. The concentration reported is qualified as estimated due to a quality control deficiency identified during data validation. The associated data should be considered usable for decision making purposes.

UR - Indicates the constituent was analyzed for and not detected. The concentration reported is qualified as unusable due to a quality control deficiency identified during data validation. The associated data should be considered unusable for decision making purposes.

R - Indicates the constituent was analyzed for and detected. The concentration reported is qualified as unusable due to a quality control deficiency identified during data validation. The associated data should be considered unusable for decision making purposes.

Table 1-3. 200 Area Biota Data Validation, List of Samples Validated. (Sheet 1 of 4)

Data Package ID	Sample ID	Sample Date	Location	Sample Type	Analysis
22685-WES-1235	B08YF8	07/30/93	216-U-11	SOIL	Radiochemistry
22685-WES-1235	B08YG0	07/30/93	216-U-11	SOIL	Radiochemistry
22685-WES-1235	B08YG2	07/30/93	216-U-11	SOIL	Radiochemistry
22685-WES-1235	B08YG4	07/30/93	216-U-11	SOIL	Radiochemistry
22685-WES-1235	B08YG5*	08/02/93	216-B-3	SOIL	Radiochemistry
22685-WES-1235	B08YG6*	08/02/93	216-B-3	SOIL	Radiochemistry
22685-WES-1235	B08YG7	08/02/93	216-B-3	SOIL	Radiochemistry
22685-WES-1235	B08YG8	08/02/93	216-B-3	SOIL	Radiochemistry
22685-WES-1235	B08YH3	08/02/93	216-A-24	SOIL	Radiochemistry
22685-WES-1235	B08YH4	08/02/93	216-A-24	SOIL	Radiochemistry
22685-WES-1235	B08YH5	08/02/93	216-A-24	SOIL	Radiochemistry
22685-WES-1235	B08YH6	08/02/93	216-A-24	SOIL	Radiochemistry
22685-WES-1235	B08YJ1*	08/04/93	216-T-4	SOIL	Radiochemistry
22685-WES-1235	B08YJ2	08/04/93	216-T-4	SOIL	Radiochemistry
22685-WES-1235	B08YJ3	08/04/93	216-T-4	SOIL	Radiochemistry
22685-WES-1235	B08YJ4	08/04/93	216-T-4	SOIL	Radiochemistry
22705-WES-1257	B08YF7	07/30/93	216-U-11	S. WHEATGRASS	Radiochemistry
22705-WES-1257	B08YG1	07/30/93	216-U-11	RUSSIAN THIS.	Radiochemistry
22705-WES-1257	B08YG3	07/30/93	216-U-11	RUSSIAN THIS.	Radiochemistry
22705-WES-1257	B08YG9*	08/02/93	216-B-3	CATTAIL	Radiochemistry
22705-WES-1257	B08YH0	08/02/93	216-B-3	BULRUSH	Radiochemistry
22705-WES-1257	B08YH1*	08/02/93	216-B-3	CATTAIL	Radiochemistry
22705-WES-1257	B08YH2	08/02/93	216-B-3	WILLOW	Radiochemistry
22705-WES-1257	B08YH7	08/02/93	216-A-24	RUSSIAN THIS.	Radiochemistry
22705-WES-1257	B08YH8	08/02/93	216-A-24	RUSSIAN THIS.	Radiochemistry
22705-WES-1257	B08YH9	08/02/93	216-A-24	CH./S. GRASS	Radiochemistry
22705-WES-1257	B08YJ5*	08/04/93	216-T-4	CATTAIL	Radiochemistry
22705-WES-1257	B08YJ6	08/04/93	216-T-4	CATTAIL	Radiochemistry
22705-WES-1257	B08YJ7	08/04/93	216-T-4	BULRUSH	Radiochemistry
22705-WES-1257	B08YJ8	08/04/93	216-T-4	WILLOW	Radiochemistry
25355-WES-1406	B08YJ9*	08/20/93	216-B-3	RODENT	Radiochemistry
25355-WES-1406	B08YK0	08/20/93	216-B-3	RODENT	Radiochemistry
25355-WES-1406	B08YK1	08/20/93	216-B-3	RODENT	Radiochemistry
25355-WES-1406	B08YK2	08/20/93	216-B-3	RODENT	Radiochemistry

Table 1-3. 200 Area Biota Data Validation, List of Samples Validated. (Sheet 2 of 4)

Data Package ID	Sample ID	Sample Date	Location	Sample Type	Analysis
25355-WES-1406	B08YK3	08/20/93	216-A-24	RODENT	Radiochemistry
25355-WES-1406	B08YK4	08/20/93	216-A-24	RODENT	Radiochemistry
25355-WES-1406	B08YK5	08/20/93	216-A-24	RODENT	Radiochemistry
25355-WES-1406	B08YK6	08/20/93	216-A-24	RODENT	Radiochemistry
25355-WES-1406	B08YK7	08/20/93	216-U-11	RODENT	Radiochemistry
25355-WES-1406	B08YK8*	08/20/93	216-U-11	RODENT	Radiochemistry
25355-WES-1406	B08YK9	08/20/93	216-U-11	RODENT	Radiochemistry
25355-WES-1406	B08YL0	08/20/93	216-U-11	RODENT	Radiochemistry
25355-WES-1406	B08YL1	08/24/93	216-B-3	RODENT	Radiochemistry
25355-WES-1406	B08YL2	08/24/93	216-B-3	RODENT	Radiochemistry
25355-WES-1406	B08YL3	08/24/93	216-T-4	RODENT	Radiochemistry
25355-WES-1406	B08YL4	08/24/93	216-T-4	RODENT	Radiochemistry
25355-WES-1406	B08YL5	08/24/93	216-T-4	RODENT	Radiochemistry
25355-WES-1406	B08YL6	08/24/93	216-T-4	RODENT	Radiochemistry
25355-WES-1406	B08YL7*	08/25/93	216-T-4	RODENT	Radiochemistry
25355-WES-1406	B08YL8	08/25/93	216-T-4	RODENT	Radiochemistry
25866-WES-1305	B08YT9*	07/30/93	216-U-11	S. WHEATGRASS	Radiochemistry
26049-WES-1334	B08YJ0	08/02/93	216-A-24	CHEATGRASS	Radiochemistry
26049-WES-1334	B08YM0*	09/07/93	SADDLE LAKE	CHEATGRASS	Radiochemistry
26049-WES-1334	B08YM1	09/07/93	SADDLE LAKE	WILLOW	Radiochemistry
26049-WES-1334	B08YM2	09/07/93	SADDLE LAKE	CATTAIL	Radiochemistry
26049-WES-1334	B08YM3	09/07/93	SADDLE LAKE	RUSSIAN THIS.	Radiochemistry
26567-WES-1327	B08YM4*	09/07/93	SADDLE LAKE	SOIL	Radiochemistry
26567-WES-1327	B08YM5	09/07/93	SADDLE LAKE	SOIL	Radiochemistry
26567-WES-1327	B08YM6*	09/08/93	SADDLE LAKE	RODENT	Radiochemistry
26567-WES-1327	B08YM7	09/08/93	SADDLE LAKE	RODENT	Radiochemistry
26567-WES-1327	B08YM8	09/08/93	SADDLE LAKE	RODENT	Radiochemistry
26567-WES-1327	B08YM9	09/08/93	SADDLE LAKE	RODENT	Radiochemistry
27601-WES-1328	B08YL9*	09/07/93	SADDLE LAKE	BULRUSH	Radiochemistry
27605-WES-1357	B08YN0*	09/17/93	216-U-11	INSECTS	Radiochemistry
27605-WES-1357	B08YN1*	09/17/93	216-B-3	INSECTS	Radiochemistry
27605-WES-1357	B08YN2	09/17/93	216-T-4	INSECTS	Radiochemistry
27605-WES-1357	B08YN3	09/17/93	SADDLE LAKE	INSECTS	Radiochemistry
27605-WES-1357	B08YN4	09/17/93	216-A-24	INSECTS	Radiochemistry

Table 1-3. 200 Area Biota Data Validation, List of Samples Validated. (Sheet 3 of 4)

Data Package ID	Sample ID	Sample Date	Location	Sample Type	Analysis
9308L515-WES-1224	B08YF8	07/30/93	216-U-11	SOIL	Metals
9308L515-WES-1224	B08YG0	07/30/93	216-U-11	SOIL	Metals
9308L515-WES-1224	B08YG2	07/30/93	216-U-11	SOIL	Metals
9308L515-WES-1224	B08YG4	07/30/93	216-U-11	SOIL	Metals
9308L515-WES-1224	B08YG5*	08/02/93	216-B-3	SOIL	Metals
9308L515-WES-1224	B08YG6	08/02/93	216-B-3	SOIL	Metals
9308L515-WES-1224	B08YG7	08/02/93	216-B-3	SOIL	Metals
9308L515-WES-1224	B08YG8	08/02/93	216-B-3	SOIL	Metals
9308L515-WES-1224	B08YH3	08/02/93	216-A-24	SOIL	Metals
9308L515-WES-1224	B08YH4*	08/02/93	216-A-24	SOIL	Metals
9308L515-WES-1224	B08YH5	08/02/93	216-A-24	SOIL	Metals
9308L515-WES-1224	B08YH6	08/02/93	216-A-24	SOIL	Metals
9308L515-WES-1224	B08YJ1	08/04/93	216-T-4	SOIL	Metals
9308L515-WES-1224	B08YJ2	08/04/93	216-T-4	SOIL	Metals
9308L515-WES-1224	B08YJ3	08/04/93	216-T-4	SOIL	Metals
9308L515-WES-1224	B08YJ4	08/04/93	216-T-4	SOIL	Metals
9308L516-WES-1217	B08YF7	07/30/93	216-U-11	S. WHEATGRASS	Metals
9308L516-WES-1217	B08YG1	07/30/93	216-U-11	RUSSIAN THIS.	Metals
9308L516-WES-1217	B08YG3	07/30/93	216-U-11	RUSSIAN THIS.	Metals
9308L516-WES-1217	B08YG9	08/02/93	216-B-3	CATTAIL	Metals
9308L516-WES-1217	B08YH0	08/02/93	216-B-3	BULRUSH	Metals
9308L516-WES-1217	B08YH1*	08/02/93	216-B-3	CATTAIL	Metals
9308L516-WES-1217	B08YH2	08/02/93	216-B-3	WILLOW	Metals
9308L516-WES-1217	B08YH7	08/02/93	216-A-24	RUSSIAN THIS.	Metals
9308L516-WES-1217	B08YH8	08/02/93	216-A-24	RUSSIAN THIS.	Metals
9308L516-WES-1217	B08YH9	08/02/93	216-A-24	CH./S. GRASS	Metals
9308L516-WES-1217	B08YJ5	08/04/93	216-T-4	CATTAIL	Metals
9308L516-WES-1217	B08YJ6*	08/04/93	216-T-4	CATTAIL	Metals
9308L516-WES-1217	B08YJ7	08/04/93	216-T-4	BULRUSH	Metals
9308L516-WES-1217	B08YJ8	08/04/93	216-T-4	WILLOW	Metals
9309L039-WES-1363	B08YL9*	09/07/93	SADDLE LAKE	BULRUSH	Metals
9309L782-WES-1268	B08YF9*	07/30/93	216-U-11	S. WHEATGRASS	Metals
9309L783-WES-1344	B08YJ9	08/20/93	216-B-3	RODENT	Metals
9309L783-WES-1344	B08YK0	08/20/93	216-B-3	RODENT	Metals

Table 1-3. 200 Area Biota Data Validation, List of Samples Validated. (Sheet 4 of 4)

Data Package ID	Sample ID	Sample Date	Location	Sample Type	Analysis
9309L783-WES-1344	B08YK1	08/20/93	216-B-3	RODENT	Metals
9309L783-WES-1344	B08YK2	08/20/93	216-B-3	RODENT	Metals
9309L783-WES-1344	B08YK3	08/20/93	216-A-24	RODENT	Metals
9309L783-WES-1344	B08YK4	08/20/93	216-A-24	RODENT	Metals
9309L783-WES-1344	B08YK5	08/20/93	216-A-24	RODENT	Metals
9309L783-WES-1344	B08YK6*	08/20/93	216-A-24	RODENT	Metals
9309L783-WES-1344	B08YK7	08/20/93	216-U-11	RODENT	Metals
9309L783-WES-1344	B08YK8	08/20/93	216-U-11	RODENT	Metals
9309L783-WES-1344	B08YK9	08/20/93	216-U-11	RODENT	Metals
9309L783-WES-1344	B08YL0	08/20/93	216-U-11	RODENT	Metals
9309L783-WES-1344	B08YL1	08/24/93	216-B-3	RODENT	Metals
9309L783-WES-1344	B08YL2*	08/24/93	216-B-3	RODENT	Metals
9309L783-WES-1344	B08YL3	08/24/93	216-T-4	RODENT	Metals
9309L783-WES-1344	B08YL4*	08/24/93	216-T-4	RODENT	Metals
9309L783-WES-1344	B08YL5	08/24/93	216-T-4	RODENT	Metals
9309L783-WES-1344	B08YL6	08/24/93	216-T-4	RODENT	Metals
9309L783-WES-1344	B08YL7*	08/25/93	216-T-4	RODENT	Metals
9309L783-WES-1344	B08YL8	08/25/93	216-T-4	RODENT	Metals
9309L885-WES-1284	B08YJ0	08/02/93	216-A-24	CHEATGRASS	Metals
9309L885-WES-1284	B08YM0	09/07/93	SADDLE LAKE	CHEATGRASS	Metals
9309L885-WES-1284	B08YM1	09/07/93	SADDLE LAKE	WILLOW	Metals
9309L885-WES-1284	B08YM2*	09/07/93	SADDLE LAKE	CATTAIL	Metals
9309L885-WES-1284	B08YM3*	09/07/93	SADDLE LAKE	RUSSIAN THIS.	Metals
9309L887-WES-1343	B08YM4	09/07/93	SADDLE LAKE	SOIL	Metals
9309L887-WES-1343	B08YM5*	09/07/93	SADDLE LAKE	SOIL	Metals
9309L887-WES-1343	B08YM6	09/08/93	SADDLE LAKE	RODENT	Metals
9309L887-WES-1343	B08YM7*	09/08/93	SADDLE LAKE	RODENT	Metals
9309L887-WES-1343	B08YM8	09/08/93	SADDLE LAKE	RODENT	Metals
9309L887-WES-1343	B08YM9	09/08/93	SADDLE LAKE	RODENT	Metals

* - Indicates sample received 100% validation.

2. METALS DATA VALIDATION SUMMARY

2.1 SUMMARY

This section presents the results of verification and validation of metals analysis results contained in seven data packages. Table 1-3 shows the data package identification, HEIS sample identification, sample collection date, location, and sample type.

2.1.1 Minor Deficiencies

Holding Times. The holding time for cyanide was exceeded in one data package and mercury in three of seven data packages requiring qualification of sample results as estimated.

Laboratory Blanks. Several analytes were detected in the calibration blanks in all seven data packages and in the preparation blank in five of the seven packages requiring qualification of associated sample results as estimated or undetected based on a negative or positive blank result.

Spike Samples. Several analytes in all seven data packages validated were qualified as estimated since the spike sample recoveries were less than or greater than the specified control limits.

GFAA Analytical Spikes. GFAA analytical spike recovery for several samples was less than or greater than the control limits in six of the seven data packages validated.

Laboratory Duplicates. All duplicate sample relative percent differences were within the control limits with the exception of a few analytes in five of the seven data packages.

ICP Serial Dilution. ICP serial dilution percent differences were acceptable with the exception of a few analytes in four of the seven data packages validated requiring qualification of the associated sample results as estimated.

2.1.2 Major Deficiencies

Holding Times. Holding times for cyanide were exceeded in four of the seven data packages and mercury in two of the seven data packages validated, requiring qualification of sample results as unusable for non-detected results.

2.2 HOLDING TIMES

All analyses were conducted within the holding time requirements with the following exceptions:

Data Package 9309L887-WES-1343. Cyanide analysis was performed well past the specified holding times, requiring qualification of samples B08YM4, B08YM5, B08YM6, B08YM7, B08YM8 and B08YM9 as estimated (J) for detects and unusable (UR) for nondetects. Mercury analysis was performed past the specified holding time, requiring qualification of samples B08YM6, B08YM7, B08YM8 and B08YM9 as estimated (UJ).

Data Package 9309L782-WES-1268. Cyanide analysis was performed well past the specified holding times, requiring qualification of sample B08YF9 as unusable (UR). Mercury analysis was performed past the specified holding time, requiring qualification of sample B08YF9 as estimated (UJ).

Data Package 9309L783-WES-1344. Cyanide and mercury analyses were performed well past the specified holding times, requiring qualification of samples B08YJ9, B08YK0, B08YK1, B08YK2, B08YK3, B08YK4, B08YK5, B08YK6, B08YK7, B07YK8, B08YK9, B08YL0, B08YL1, B08YL2, B08YL3, B08YL4, B08YL5, B08YL6, B08YL7 and B08YL8 as estimated, (J,BJ) for detects and unusable (UR) for non-detects.

Data Package 9309L885-WES-1284. Cyanide and mercury analyses were performed well past the specified holding time, requiring qualification of sample B08YJ0 as unusable (UR).

Data Package 9309L039-WES-1363. Cyanide and mercury analyses were performed past the specified holding time, requiring qualification of sample B08YL9 as estimated (UJ).

2.3 CALIBRATIONS

Initial and continuing calibration requirements were met for all analyses with the following exception:

Data Packages 9308L515-WES-1224 and 9308L516-WES-1217. The method of standard additions (MSA) correlation coefficient was less than 0.995 for lead for samples B08YG5, B08YG0 and B08YJ5 requiring qualification of the indicated samples as estimated (J).

2.4 LABORATORY BLANKS

Laboratory method blanks (initial and continuing calibration and preparation blanks) were analyzed at the proper frequency and results were undetected with the exception of low concentrations of target analytes as summarized in the following sections.

2.4.1 Calibration Blanks

The following is a summary of the analytes detected in the calibration blanks:

Data Package 9309L887-WES-1343. Copper.

Data Package 9309L782-WES-1268. Barium, beryllium, cobalt, copper, sodium and vanadium.

Data Package 9309L039-WES-1363. Aluminum, cobalt, copper and nickel.

Data Package 9308L515-WES-1224. Beryllium, selenium and sodium.

Data Package 9309L783-WES-1344. Cobalt, nickel and vanadium.

Data Package 9309L885-WES-1284. Barium, beryllium, cobalt, sodium and vanadium.

Data Package 9308L516-WES-1217. Barium, sodium and vanadium.

In accordance with the validation requirements, sample results associated with the above calibration blanks were qualified as follows:

- estimated (UJ for non-detects, J for sample results within two times (2X) the absolute value of the associated blank) if associated with negative blank results, and
- undetected (U) for sample results that are less than five times (5X) the highest associated blank concentration.

2.4.2 Preparation Blanks

The following is a summary of the analytes detected in the preparation blanks:

Data Package 9309L887-WES-1343. Chromium, copper, aluminum, nickel, silver and zinc.

Data Package 9309L039-WES-1363. Vanadium.

Data Package 9308L515-WES-1224. Selenium

Data Package 9309L783-WES-1344. Aluminum, chromium, copper, nickel, silver and zinc.

Data Package 9309L885-WES-1284. Thallium, vanadium and zinc.

In accordance with the validation requirements, sample results associated with the preparation blanks were qualified as follows:

- unusable (UR for non-detects) or estimated (J for detects if less than 10X the absolute value of the preparation blank) if associated with a negative blank concentration greater than the CRDL,
- estimated (J for detects, UJ for non-detects) if associated with a negative blank and within 10X the absolute value of the negative blank that is greater than (>) the IDL but less than (<) the CRDL, and
- undetected (U) for sample results less than 5X the highest blank concentration if associated with a positive blank result >IDL but <CRDL.

2.5 ANALYTICAL ACCURACY

2.5.1 Spike Samples

The validated spike sample percent recoveries (%R) were acceptable with the following exceptions, in which the %R values were less than or greater than the 75% to 125% control limits but were greater than 30%:

Data Package 9309L887-WES-1343. Arsenic, lead, thallium, silver and zinc, in samples B08YM6, B08YM7, B08YM8 and B08YM9; selenium, in samples B08YM4 and B08YM5.

Data Package 9309L782-WES-1268. Arsenic, in sample B08YF9.

Data Package 9309L039-WES-1363. Arsenic, lead, selenium and thallium, in sample B08YL9.

Data Package 9308L515-WES-1224. Selenium, in samples B08YF8, B08YG0, B08YG2, B08YG4, B08YG5, B08YG6, B08YG7, B08YG8, B08YH3, B08YH4, B08YH5, B08YH6, B08YJ1, B08YJ2, B08YJ3 and B08YJ4.

Data Package 9309L783-WES-1344. Arsenic, lead and copper, in samples B09YJ9, B08YK0, B08YK1, B08YK2, B08YK3, B08YK4, B08YK5, B08YK6, B08YK7, B08YK8, B08YK9, B08YL0, B08YL1, B08YL2, B08YL3, B08YL4, B08YL5, B08YL6, B08YL7 and B08YL8.

Data Package 9309L885-WES-1284. Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, manganese, nickel, silver, vanadium and zinc, in samples B08YJ0, B08YM0, B08YM1, B08YM2 and B08YM3.

Data Package 9308L516-WES-1217. Lead and thallium, in samples B08YF7, B08YG1, B08YG3, B08YG9, B08YH0, B08YH1, B08YH2, B08YH7, B08YH8, B08YH9, B08YJ5, B08YJ6, B08YJ7 and B08YJ8.

The indicated analytes and sample results contained in the above data packages have been qualified as estimated (J for detects, UJ for non-detects).

2.5.2 Laboratory Control Samples

The laboratory control sample (LCS) percent recoveries for the solid LCS were within the control limits for all data packages.

2.5.3 GFAA Analytical Spikes

GFAA analytical spike recoveries were within the control limits of 85% to 115% with the exception of the analytes listed below.

Data Package 9309L887-WES-1343. Arsenic and lead, in samples B08YM6, B08YM7, B08YM8 and B08YM9; thallium, sample B08YM7; and selenium, in samples B08YM4 and B08YM5.

Data Package 9309L782-WES-1268. Arsenic, in sample B08YF9.

Data Package 9308L515-WES-1224. Selenium, in sample B08YG2 and B08YG4; and thallium, in sample B08YG6.

Data Package 9309L783-WES-1344. Arsenic, in samples B08YJ9, B08YK0, B08YK1, B08YK2, B08YK3, B08YK4, B08YK5, B08YK6, B08YK7, B07YK8, B08YK9, B08YL0, B08YL1, B08YL2, B08YL3, B08YL4, B08YL5, B08YL6, B08YL7 and B08YL8; lead, samples B08YK0, B08YK1, B08YK2, B08YK3, B08YK4, B08YK5, B08YK6, B08YK7, B07YK8, B08YK9, B08YL0, B08YL1, B08YL2, B08YL3, B08YL4, B08YL5, B08YL6, B08YL7 and B08YL8; selenium, in samples B08YJ9, B08YK4, B08YK5 and B08YK9; and thallium, in samples B08YL4, B08YL5, B08YL6, B08YL7 and B08YL8.

Data Package 9309L885-WES-1284. Arsenic, in samples B08YJ0, B08YM0, B08YM1 and B08YM3; lead, in samples B08YJ0, B08YM0, B08YM1, B08YM2 and B08YM3; and selenium, in sample B08YM0.

Data Package 9308L516-WES-1217. Lead, in samples B08YF7, B08YG1, B08YG3, B08YG9, B08YH0, B08YH1, B08YH2, B08YH7, B08YH8, B08YH9, B08YJ5, B08YJ6 and B08YJ7.

The associated results for the indicated analytes and samples have been qualified as estimated (J or BJ for detects, UJ for non-detects).

2.6 ANALYTICAL PRECISION

2.6.1 Laboratory Duplicates

The laboratory duplicate relative percent differences were within the specified control limits with the following exceptions:

Data Package 9309L887-WES-1343. Calcium and zinc, in samples B08YM6, B08YM7, B08YM8, and B08YM9.

Data Package 9309L782-WES-1268. Zinc, in sample B08YF9.

Data Package 9309L039-WES-1363. Manganese, in sample B08YL9.

Data Package 9309L885-WES-1284. Aluminum and iron, in samples B08YJ0, B08YM0, B08YM1, B08YM2 and B08YM3.

Data Package 9308L516-WES-1217. Iron, in samples B08YF7, B08YG1, B08YG3, B08YG9, B08YH0, B08YH1, B08YH2, B08YH7, B08YH8, B08YH9, B08YJ5, B08YJ6, B08YJ7 and B08YJ8.

The sample results for the indicated analytes contained in the above data packages have been qualified as estimated (J for detects, UJ for non-detects).

2.6.2 ICP Serial Dilution

The ICP serial dilution percent differences in the validated samples (%D) were less than 10% where sample concentrations were greater than fifty times the instrument detection limit (IDL) with the following exceptions:

Data Package 9309L887-WES-1343. Calcium, iron, magnesium, potassium, sodium and zinc, in samples B08YM6, B08YM7, B08YM8 and B08YM9; zinc, in samples B08YM4 and B08YM5.

Data Package 9309L782-WES-1268. Calcium, in sample B08YF9.

Data Package 9309L039-WES-1363. Magnesium and sodium, in sample B08YL9.

Data Package 9309L783-WES-1344. Calcium, copper, iron and zinc, in samples B09YJ9, B08YK0, B08YK1, B08YK2, B08YK3, B08YK4, B08YK5, B08YK6, B08YK7, B08YK8, B08YK9, B08YL0, B08YL1, B08YL2, B08YL3, B08YL4, B08YL5, B08YL6, B08YL7 and B08YL8.

Results for the indicated analytes and samples were qualified as estimated (J or BJ for detects, UJ for non-detects).

2.6.3 GFAA Duplicate Injections

The percent relative standard deviations (%RSD) for the GFAA duplicate injections were acceptable for all results greater than the IDL in all data packages

2.7 SAMPLE RESULT QUANTITATION, VERIFICATION, AND REPORTED DETECTION LIMITS

All sample results were verified and confirmed against the raw data. Validated results were calculated properly using the proper coefficients. Sample detection limits were calculated properly to account for sample dilutions and dry weight factors and were consistent with method detection limit requirements with the following exceptions:

Data Package 9309L887-WES-1343. The percent solids for sample B08YM5 was incorrectly calculated by the laboratory and was corrected along with all associated analysis results on the report form.

Data Package 9309L783-WES-1344. The thallium result for sample B08YK3 was incorrectly reported and has been corrected on the result form.

2.8 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

System performance was assessed by a review of the raw data. No indications of poor performance were noted.

Overall, 18 soil, 21 vegetation and 24 rodent samples were validated for metals with 1,512 results reported. Out of the 1,512 results reported, 35 results were determined to be unusable leaving 1,477 results which were deemed valid. This results in a completeness of 98% which meets normal work plan QAPjP completeness objectives of 90%.

3. RADIOCHEMISTRY DATA VALIDATION SUMMARY

3.1 SUMMARY

This section presents the results of verification and validation of radiochemistry analysis results contained in nine data packages. Table 1-3 shows the data package identification, HEIS sample identification, sample collection date, location, and sample type.

3.1.1 Minor Deficiencies

Laboratory Blanks. Thorium-228 was detected in the laboratory blanks associated with one of the nine data packages requiring qualification of the associated sample results as estimated (J).

Chemical Recovery. The chemical recoveries were acceptable with the exception of technetium-99 for a few samples in three of the nine data packages.

Sample Results Verification. The sample results were verified and acceptable with the exception of sample results requiring correction in two of the nine data packages.

3.1.2 Major Deficiencies

There were no major deficiencies identified during validation which resulted in qualification of the data as unusable.

3.2 HOLDING TIMES

All sample analyses were performed within the required holding times.

3.3 CALIBRATIONS

All initial and continuing calibration requirements were met for all analyses.

3.4 LABORATORY BLANKS

3.4.1 Method Blanks

Laboratory method blanks were analyzed at the proper frequency and results were reported and verified as undetected for all radiochemistry parameters with the following exceptions:

Data Package 25866-WES-1305. Thorium-228 was detected in the laboratory blank, therefore, the thorium-228 values detected in the associated environmental samples have been qualified as estimated (J).

Data Packages 26567-WES-1327, 25355-WES-1406, 27601-WES-1328, 27605-WES-1357 and 22685-WES-1235. The laboratory blank was analyzed in different geometries than the associated samples, resulting in qualification of all gamma spectroscopy results as estimated (J for detects, UJ for non-detects).

3.5 ANALYTICAL ACCURACY

3.5.1 Laboratory Control Samples

Laboratory control (blank spike) samples were analyzed at the required frequency with all results within control limits with the following exceptions:

Data Packages 26567-WES-1327, 25355-WES-1406, 27601-WES-1328, 27605-WES-1357 and 22685-WES-1235. The laboratory control (blank spike) sample was analyzed in different geometries than the associated samples, resulting in qualification of all gamma spectroscopy sample results as estimated (J for detects, UJ for non-detects).

3.5.2 Chemical Recovery

The chemical recoveries evaluated for applicable analyses were within the control limits with the following exceptions:

Data Package 22705-WES-1257. The chemical recovery for technetium-99 for samples B08YG1 and laboratory blank spike (TI#22721) were less than the control limit of 30% but greater than 10%. Therefore, the indicated sample results have been qualified as estimated (J for detects, UJ for non-detects).

Data Package 26049-WES-1334. The chemical recovery for technetium-99 for samples B08YJ0, B08YM1 and laboratory duplicate B08YJ0dup were less than the control limit of 30% but greater than 10%. Therefore, the indicated sample results have been qualified as estimated (UJ for non-detects).

Data Package 27601-WES-1328. The chemical recovery for technetium-99 for sample B08YL9 and laboratory duplicate B08YL9dup were less than the control limit of 30% but greater than 10%. Therefore, the results for the indicated samples have been qualified as estimated (UJ for non-detects).

3.5.3 Tracer Recovery

All tracer recoveries were within the required control limits for the applicable analyses for all data packages.

3.6 ANALYTICAL PRECISION

3.6.1 Laboratory Duplicates

Laboratory duplicate relative percent difference values were within the required control limits for all data packages.

3.7 SAMPLE RESULT QUANTITATION, VERIFICATION, AND REPORTED DETECTION LIMITS

All sample results were verified and confirmed against the raw data with corrections required as listed below. Validated results were calculated properly using the proper detectors, efficiencies, background counts, and chemical recoveries and tracers. Minimum detectable activities were calculated properly to account for sample volumes and dry weight factors and were consistent with method detection limit requirements. Results reported as L.T. (less than) on the laboratory results forms were qualified as undetected (U) and reported at the detection limit as shown in Appendix C.

Data Package 27605-WES-1357. The thorium-234 result for laboratory duplicate B08YN0dup was not provided in the raw data. However, the associated result was verified by recalculation; therefore no qualification was necessary.

Data Package 25355-WES-1406. The cesium-137 uncertainty for sample B08YL7 was corrected on the results form to reflect the concentration reported in the raw data.

Data Package 26567-WES-1327. Two data packages were received under this identification number. The data package file index for one of the data packages indicated that the package should contain samples B08YN0, B08YN1, B08YN2, B08YN3 and B08YN4. However, the samples present were B08YM6, B08YM7, B08YM8 and B08YM9. The second data package identified as 226567-WES-1327 contained samples B08YM4 and B08YM5. Both data packages were complete for all analyses for the indicated samples and no qualification was necessary.

Data Package 22685-WES-1235. Revised sample results were provided by the laboratory on February 28, 1994. The revisions included corrections to several thorium-234 results, the total uranium results for sample B08YJ1, and all gamma spectroscopy results for sample B08YJ4. All revised sample results were supported in the raw data with the exception of the cesium-134 results for samples B08YF8, B08YG2, B08YG4, B08YG5, B08YG6, B08YG8, B08YH4 duplicate, B08YH6, B08YJ1, and B08YJ4 resulting in corrections to the laboratory results forms.

3.8 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

System performance was assessed by a review of the raw data. No indications of poor performance were noted.

Overall, 18 soil, 26 vegetation and 24 rodent samples were validated for radiochemistry with 1,676 results reported. Out of the 1,676 results reported, all results were determined to be valid, resulting in a completeness of 100% which meets normal work plan QAPjP completeness objectives of 90%.

4.0 REFERENCES

WHC 1993a, Validation of 200 Area Biota Data, Statement of Work, Analytical Laboratory Data Validation, Task Order S-94-16, December 14, 1993, Purchase Order M073750. Westinghouse Hanford Company, Richland, Washington.

WHC 1993b, Data Validation Procedures for Chemical Analyses, WHC-SD-EN-SPP-002, Rev. 2, December 1993. Westinghouse Hanford Company, Richland, Washington.

WHC 1993c Data Validation Procedures for Radiochemical Analyses, WHC-SD-EN-SPP-001, Rev. 1, December 1993. Westinghouse Hanford Company, Richland, Washington.

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APPENDIX A

METALS VALIDATED DATA SUMMARY

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	Sampl#	B08YF7		B08YF8		B08YF9		B08YG0		B08YG1		B08YG2	
	Date	7-30-93		7-30-93		7-30-93		7-30-93		7-30-93		7-30-93	
	Location	216-U-11		216-U-11		216-U-11		216-U-11		216-U-11		216-U-11	
	Type												
	Comments	S. WHEATGRASS		SOIL		S. WHEATGRASS		SOIL		RUSSIAN THIS.		SOIL	
Parameter	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
ALUMINUM	MG/KG	45.800		4330.000		105.000		4710.000		81.100	B	4430.000	
ANTIMONY	MG/KG	10.500	U	9.770	U	10.100	U	9.370	U	31.500	U	9.190	U
ARSENIC	MG/KG	0.450	U	1.600	B	0.430	UJ	1.500	B	1.460	U	1.500	B
BARIUM	MG/KG	11.800	B	72.900		17.400	U	75.000		11.300	B	73.200	
BERYLLIUM	MG/KG	0.220	U	0.370	B	0.520	U	0.400	B	0.670	U	0.350	B
CADMIUM	MG/KG	1.120	U	1.040	U	1.080	U	1.000	U	3.350	U	0.980	U
CALCIUM	MG/KG	2800.000		3660.000		3210.000	J	3170.000		20300.000		3770.000	
CHROMIUM	MG/KG	1.120	U	5.500		1.080	U	6.500		3.350	U	6.100	
COBALT	MG/KG	1.790	U	8.800	B	2.300	U	9.300	B	5.360	U	9.400	B
COPPER	MG/KG	3.100	B	9.200		3.700	U	9.200		13.800	B	8.800	
IRON	MG/KG	119.000	J	15300.000		206.000		16700.000		230.000	J	16100.000	
LEAD	MG/KG	0.450	UJ	3.500		0.430	U	4.200	J	1.460	UJ	3.900	
MAGNESIUM	MG/KG	840.000	B	3300.000		544.000	B	3390.000		10200.000		3250.000	
MANGANESE	MG/KG	17.400		285.000		16.000		317.000		37.100		306.000	
MERCURY	MG/KG	0.060	U	0.050	U	0.050	UJ	0.050	U	0.180	U	0.050	U
NICKEL	MG/KG	3.140	U	7.000	B	3.400	B	6.500	B	9.390	U	5.800	B
POTASSIUM	MG/KG	5360.000		976.000	B	5040.000		1280.000		81500.000		1130.000	
SELENIUM	MG/KG	0.450	U	0.600	UJ	0.430	U	0.410	UJ	1.460	U	0.410	UJ
SILVER	MG/KG	1.350	U	1.250	U	1.290	U	1.200	U	4.020	U	1.170	U
SODIUM	MG/KG	71.000	B	105.000	B	102.000	U	103.000	B	251.000	B	84.900	U
THALLIUM	MG/KG	0.900	UJ	0.830	U	0.860	U	0.820	U	2.920	UJ	0.830	U
VANADIUM	MG/KG	3.400	U	31.200		2.500	U	34.700		11.600	U	32.700	
ZINC	MG/KG	12.800		29.100		21.400	J	30.900		30.800		30.200	
CYANIDE	MG/KG	1.120	U	1.040	U	1.080	UR	1.030	U	3.680	U	1.030	U

Parameter	Samp# / Date / Location / Type / Comments	B08YG3 7-30-93 216-U-11 RUSSIAN THIS.		B08YG4 7-30-93 216-U-11 SOIL		B08YG5 8-2-93 216-B-3 SOIL		B08YG6 8-2-93 216-B-3 SOIL		B08YG7 8-2-93 216-B-3 SOIL		B08YG8 8-2-93 216-B-3 SOIL	
	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
ALUMINUM	MG/KG	58.500	B	5080.000		4500.000		4400.000		4410.000		5470.000	
ANTIMONY	MG/KG	22.200	U	9.430	U	9.840	U	10.200	U	10.400	U	9.970	U
ARSENIC	MG/KG	0.940	U	1.500	B	4.100		3.700		2.900		2.900	
BARIUM	MG/KG	20.500	B	74.400		53.400		60.000		65.000		71.500	
BERYLLIUM	MG/KG	0.470	U	0.340	B	0.420	B	0.390	B	0.420	B	0.420	B
CADMIUM	MG/KG	2.360	U	1.000	U	1.050	U	1.080	U	1.110	U	1.060	U
CALCIUM	MG/KG	24900.000		4310.000		5570.000		5890.000		3760.000		4880.000	
CHROMIUM	MG/KG	2.360	U	6.800		5.800		5.900		5.700		6.600	
COBALT	MG/KG	3.780	U	10.000	B	10.100	B	8.700	B	8.900	B	10.000	B
COPPER	MG/KG	11.900		10.300		8.900		8.200		8.300		9.700	
IRON	MG/KG	126.000	J	18300.000		18400.000		16100.000		15700.000		18900.000	
LEAD	MG/KG	0.940	UJ	4.200		5.300	J	5.500		6.400		5.000	
MAGNESIUM	MG/KG	7710.000		3740.000		4440.000		4030.000		3710.000		4310.000	
MANGANESE	MG/KG	37.000		319.000		301.000		288.000		300.000		319.000	
MERCURY	MG/KG	0.120	U	0.050	U	0.050	U	0.060	U	0.060	U	0.060	U
NICKEL	MG/KG	6.610	U	8.100		5.500	B	5.300	B	5.000	B	6.000	B
POTASSIUM	MG/KG	57000.000		1060.000		1320.000		1870.000		1900.000		1720.000	
SELENIUM	MG/KG	0.940	U	0.390	UJ	0.390	UJ	0.430	UJ	0.720	UJ	0.430	UJ
SILVER	MG/KG	2.830	U	1.200	U	1.260	U	1.300	U	1.330	U	1.270	U
SODIUM	MG/KG	162.000	B	109.000	B	120.000	B	131.000	B	92.500	U	146.000	B
THALLIUM	MG/KG	1.870	UJ	0.790	U	0.780	U	0.860	UJ	0.870	U	0.860	U
VANADIUM	MG/KG	8.700	U	39.300		40.900		34.200		30.700		37.800	
ZINC	MG/KG	23.300		33.400		36.400		33.300		33.700		46.100	
CYANIDE	MG/KG	2.370	U	1.040	U	1.050	U	1.130	U	1.140	U	1.120	U

Parameter	Samp# / Date / Location / Type / Comments / Units	B08YG9 8-2-93 216-B-3 CATTAIL Result	Q	B08YH0 8-2-93 216-B-3 BULRUSH Result	Q	B08YH1 8-2-93 216-B-3 CATTAIL Result	Q	B08YH2 8-2-93 216-B-3 WILLOW Result	Q	B08YH3 8-2-93 216-A-24 SOIL Result	Q	B08YH4 8-2-93 216-A-24 SOIL Result	Q
ALUMINUM	MG/KG	2990.000		93.000		5790.000		32.900	B	5000.000		5250.000	
ANTIMONY	MG/KG	27.800	U	13.500	U	25.400	U	12.300	U	9.250	U	9.590	U
ARSENIC	MG/KG	3.100	B	0.540	U	3.100	B	0.530	U	2.400		3.900	
BARIUM	MG/KG	42.800	B	13.300	B	60.000	B	32.000	B	79.700		78.000	
BERYLLIUM	MG/KG	0.590	U	0.290	U	0.920	B	0.260	U	0.410	B	0.350	B
CADMIUM	MG/KG	3.700		1.440	U	2.700		6.000		0.980	U	1.020	U
CALCIUM	MG/KG	10600.000		2410.000		12600.000		15200.000		10600.000		8290.000	
CHROMIUM	MG/KG	4.100	B	1.440	U	8.600		1.310	U	6.100		6.400	
COBALT	MG/KG	6.700	B	2.300	U	11.100	B	2.090	U	12.900		10.600	
COPPER	MG/KG	25.100		8.000		25.200		9.600		12.900		10.700	
IRON	MG/KG	9150.000	J	266.000	J	15600.000	J	90.300	J	22800.000		20100.000	
LEAD	MG/KG	14.000	J	0.540	UJ	6.900	J	0.530	UJ	3.700		4.600	
MAGNESIUM	MG/KG	3230.000		1320.000	B	4410.000		2500.000		4520.000		4480.000	
MANGANESE	MG/KG	106.000		80.000		189.000		357.000		376.000		347.000	
MERCURY	MG/KG	0.220	B	0.070	U	0.130	U	0.070	U	0.050	U	0.050	U
NICKEL	MG/KG	8.400	B	4.020	U	7.560	U	3.660	U	7.000	B	7.400	B
POTASSIUM	MG/KG	4820.000		14700.000		3700.000		8230.000		836.000	B	1090.000	
SELENIUM	MG/KG	1.180	U	0.540	U	1.010	U	5.340	U	0.400	UJ	0.410	UJ
SILVER	MG/KG	3.550	U	1.720	U	3.240	U	1.570	U	1.180	U	1.220	U
SODIUM	MG/KG	2440.000	B	285.000	B	1310.000	B	58.200	B	194.000	B	138.000	B
THALLIUM	MG/KG	2.370	UJ	1.080	UJ	2.020	UJ	1.070	UJ	0.800	U	0.810	U
VANADIUM	MG/KG	31.600		4.600	U	53.900		5.800	U	46.200		42.600	
ZINC	MG/KG	80.300		30.500		127.000		100.000		38.200		36.400	
CYANIDE	MG/KG	2.960	U	1.440	U	2.700	U	1.360	U	1.020	U	1.040	U

Parameter	Samp# / Date / Location / Type / Comments	Units	B08YH5 8-2-93 216-A-24 SOIL Result	Q	B08YH6 8-2-93 216-A-24 SOIL Result	Q	B08YH7 8-2-93 216-A-24 RUSSIAN THIS. Result	Q	B08YH8 8-2-93 216-A-24 RUSSIAN THIS. Result	Q	B08YH9 8-2-93 216-A-24 CH./S. GRASS Result	Q	B08YJ0 8-2-93 216-A-24 CHEATGRASS Result	Q
ALUMINUM		MG/KG	4270.000		4940.000		73.000	B	130.000		1620.000		144.000	J
ANTIMONY		MG/KG	9.190	U	9.550	U	31.900	U	27.800	U	10.800	U	9.890	UJ
ARSENIC		MG/KG	5.000		2.100		1.300	U	1.150	U	0.470	U	0.640	UJ
BARIUM		MG/KG	69.800		74.600		9.400	B	4.500	U	29.400	B	20.500	BJ
BERYLLIUM		MG/KG	0.410	B	0.430	B	0.680	U	0.590	U	0.230	U	0.300	UJ
CADMIUM		MG/KG	0.980	U	1.020	U	3.390	U	2.960	U	1.150	U	1.070	UJ
CALCIUM		MG/KG	3870.000		3580.000		18200.000		12400.000		4670.000		2990.000	
CHROMIUM		MG/KG	5.900		6.600		3.390	U	2.960	U	2.100	B	1.290	UJ
COBALT		MG/KG	8.600	B	8.400	B	5.420	U	4.740	U	2.600	B	1.600	UJ
COPPER		MG/KG	8.300		8.100		12.000	B	10.100	B	5.600	B	3.300	BJ
IRON		MG/KG	15600.000		16300.000		216.000	J	396.000	J	4980.000	J	344.000	J
LEAD		MG/KG	11.800		6.000		1.300	UJ	1.150	UJ	0.470	UJ	0.640	UJ
MAGNESIUM		MG/KG	3320.000		3570.000		8970.000		4160.000		1970.000		556.000	B
MANGANESE		MG/KG	303.000		302.000		37.600		40.000		102.000		18.200	J
MERCURY		MG/KG	0.050	U	0.050	U	0.170	U	0.150	U	0.060	U	0.050	UR
NICKEL		MG/KG	5.500	B	5.800	B	9.490	U	8.290	U	3.230	U	2.580	UJ
POTASSIUM		MG/KG	1250.000		1480.000		63300.000		63100.000		4060.000		2810.000	
SELENIUM		MG/KG	0.400	UJ	0.390	UJ	1.300	U	1.150	U	0.470	U	0.430	U
SILVER		MG/KG	1.300	B	1.220	U	4.070	U	3.550	U	1.380	U	1.500	UJ
SODIUM		MG/KG	86.100	U	118.000	B	309.000	B	155.000	B	127.000	B	232.000	B
THALLIUM		MG/KG	0.810	U	0.790	U	2.600	UJ	2.290	UJ	0.940	UJ	0.430	UJ
VANADIUM		MG/KG	30.900		32.100		9.600	U	7.300	U	12.600	U	1.900	UJ
ZINC		MG/KG	31.200		34.900		47.300		29.200		16.800		8.100	UJ
CYANIDE		MG/KG	1.040	U	1.050	U	3.460	U	3.010	U	1.170	U	1.070	UR

Parameter	Samp# / Date / Location / Type / Comments	B08YJ1 8-4-93 216-T-4 SOIL		B08YJ2 8-4-93 216-T-4 SOIL		B08YJ3 8-4-93 216-T-4 SOIL		B08YJ4 8-4-93 216-T-4 SOIL		B08YJ5 8-4-93 216-T-4 CATTAIL		B08YJ6 8-4-93 216-T-4 CATTAIL	
	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
ALUMINUM	MG/KG	5450.000		4770.000		3400.000		4070.000		2040.000		3660.000	
ANTIMONY	MG/KG	10.800	U	10.200	U	8.930	U	9.560	U	43.400	U	45.800	U
ARSENIC	MG/KG	1.700	B	1.500	B	1.100	B	1.300	B	3.900	B	4.200	B
BARIUM	MG/KG	83.400		77.600		56.800		64.600		45.100	B	91.100	B
BERYLLIUM	MG/KG	0.410	B	0.390	B	0.300	B	0.370	BJ	0.920	U	0.970	U
CADMIUM	MG/KG	1.150	U	1.090	U	0.950	U	1.020	U	9.900		4.870	U
CALCIUM	MG/KG	4990.000		3180.000		2740.000		4160.000		10400.000		18000.000	
CHROMIUM	MG/KG	10.300		6.400		4.700		5.500		13.600		21.800	
COBALT	MG/KG	9.700	B	9.200	B	7.300	B	8.300	B	7.390	U	7.800	B
COPPER	MG/KG	24.400		8.000		9.200		13.400		252.000		279.000	
IRON	MG/KG	18800.000		16600.000		13500.000		14200.000		7460.000	J	10900.000	J
LEAD	MG/KG	8.800		4.300		4.600		3.800		50.500	J	27.000	J
MAGNESIUM	MG/KG	4070.000		3460.000		2820.000		3300.000		4590.000	B	4870.000	B
MANGANESE	MG/KG	369.000		300.000		250.000		288.000		488.000		386.000	
MERCURY	MG/KG	0.590		0.060	U	0.050	U	0.120		1.590		3.000	
NICKEL	MG/KG	8.100	B	7.300	B	6.400	B	6.400	B	12.900	U	13.600	U
POTASSIUM	MG/KG	1670.000		1370.000		1200.000		1390.000		21000.000		7680.000	
SELENIUM	MG/KG	0.500	UJ	0.440	UJ	0.410	UJ	0.420	UJ	1.850	U	1.910	U
SILVER	MG/KG	1.700	B	1.600	B	1.140	U	1.220	U	5.540	U	5.850	U
SODIUM	MG/KG	124.000	B	98.700	U	88.200	U	122.000	B	7840.000		5260.000	
THALLIUM	MG/KG	1.000	U	0.880	U	0.810	U	0.830	U	3.700	UJ	3.820	UJ
VANADIUM	MG/KG	38.100		35.000		25.800		28.900		21.600	U	27.600	B
ZINC	MG/KG	63.000		32.900		27.400		34.600		422.000		282.000	
CYANIDE	MG/KG	1.250	U	1.120	U	1.020	U	1.040	U	4.640	U	4.960	U

	Samp#	B08YJ7		B08YJ8		B08YJ9		B08YK0		B08YK1		B08YK2	
	Date	8-4-93		8-4-93		8-20-93		8-20-93		8-20-93		8-20-93	
	Location	216-T-4		216-T-4		216-B-3		216-B-3		216-B-3		216-B-3	
	Type												
	Comments	BULRUSH		WILLOW		RODENT		RODENT		RODENT		RODENT	
Parameter	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
ALUMINUM	MG/KG	16.400	B	71.000		72.700		233.000		29.100	J	47.900	
ANTIMONY	MG/KG	20.600	U	14.600	U	4.140	U	3.540	U	2.770	U	3.110	U
ARSENIC	MG/KG	0.920	U	0.720	B	0.180	UJ	0.150	UJ	0.120	UJ	0.130	UJ
BARIUM	MG/KG	25.600	B	27.800	B	1.200	B	1.600	B	1.300	B	0.990	B
BERYLLIUM	MG/KG	0.440	U	0.590	B	0.090	U	0.080	U	0.060	U	0.070	U
CADMIUM	MG/KG	2.190	U	1.700		0.450	U	0.380	U	1.000		0.340	U
CALCIUM	MG/KG	2030.000	B	23300.000		1040.000	J	3330.000	J	6280.000	J	2930.000	J
CHROMIUM	MG/KG	2.190	U	1.550	U	1.600	U	1.000	U	0.870	U	0.410	U
COBALT	MG/KG	3.500	U	2.480	U	0.630	U	0.540	U	0.420	U	0.470	U
COPPER	MG/KG	7.000	B	5.400	B	41.900	UJ	39.400	UJ	15.100	UJ	8.800	UJ
IRON	MG/KG	52.900	J	171.000	J	155.000	J	121.000	J	73.600	J	65.500	J
LEAD	MG/KG	0.920	UJ	0.630	UJ	1.300	J	0.170	BJ	0.120	UJ	0.130	UJ
MAGNESIUM	MG/KG	688.000	B	6890.000		166.000	B	207.000	B	329.000		298.000	B
MANGANESE	MG/KG	70.800		106.000		3.000		5.000		2.100		2.500	
MERCURY	MG/KG	0.120	U	0.080	U	0.050	UR	0.040	UR	0.430	J	0.040	BJ
NICKEL	MG/KG	6.120	U	4.340	U	1.080	U	1.400	U	0.720	U	0.810	U
POTASSIUM	MG/KG	10200.000		4150.000		3140.000		2770.000		2510.000		2580.000	
SELENIUM	MG/KG	0.920	U	0.630	U	0.270	BJ	0.150	U	0.490		0.220	B
SILVER	MG/KG	2.620	U	1.860	U	0.630	UJ	0.540	UJ	0.420	UJ	0.470	UJ
SODIUM	MG/KG	274.000	B	57.300	U	1310.000		1050.000		963.000		982.000	
THALLIUM	MG/KG	1.840	UJ	1.250	UJ	0.180	U	0.150	U	0.120	U	0.130	U
VANADIUM	MG/KG	6.800	U	7.500	U	0.540	B	0.230	U	0.200	B	0.200	U
ZINC	MG/KG	18.700		101.000		23.500	UJ	19.000	UJ	25.200	UJ	14.100	UJ
CYANIDE	MG/KG	2.320	U	1.630	U	0.360	UR	0.310	UR	0.240	UR	0.270	UR

Parameter	Sample# / Date / Location / Type / Comments / Units	B08YK3 8-20-93 216-A-24 RODENT Result	Q	B08YK4 8-20-93 216-A-24 RODENT Result	Q	B08YK5 8-20-93 216-A-24 RODENT Result	Q	B08YK6 8-20-93 216-A-24 RODENT Result	Q	B08YK7 8-20-93 216-U-11 RODENT Result	Q	B08YK8 8-20-93 216-U-11 RODENT Result	Q
ALUMINUM	MG/KG	714.200		140.000		346.000		87.400		401.000		284.000	
ANTIMONY	MG/KG	3.410		3.070	U	2.660	U	2.810	U	3.460	U	3.340	U
ARSENIC	MG/KG	0.150	UJ	0.130	UJ	0.120	BJ	0.120	UJ	0.150	UJ	0.140	UJ
BARIUM	MG/KG	5.300	B	2.900	B	2.200	B	3.200	B	2.900	B	3.000	B
BERYLLIUM	MG/KG	0.070	U	0.070	U	0.060	U	0.060	U	0.080	U	0.070	U
CADMIUM	MG/KG	0.370	U	0.330	U	0.290	U	0.310	U	0.380	U	0.360	U
CALCIUM	MG/KG	9010.600	J	5860.000	J	5130.000	J	6780.000	J	4420.000	J	7310.000	J
CHROMIUM	MG/KG	1.380	U	1.200	U	0.950	U	2.200	U	1.800	U	1.600	U
COBALT	MG/KG	0.510	U	0.470	U	0.400	U	0.430	U	0.530	U	0.510	U
COPPER	MG/KG	15.170	UJ	17.300	UJ	19.800	UJ	43.000	UJ	23.300	UJ	28.000	UJ
IRON	MG/KG	176.060	J	161.000	J	160.000	J	248.000	J	183.000	J	186.000	J
LEAD	MG/KG	0.210	BJ	0.130	UJ	0.170	BJ	0.120	J	0.150	UJ	0.140	UJ
MAGNESIUM	MG/KG	550.490		386.000		317.000		445.000		481.000		356.000	B
MANGANESE	MG/KG	16.050		6.800		7.600		7.200		12.600		6.100	
MERCURY	MG/KG	0.040	UR	0.030	UR	0.030	UR	0.030	UR	0.040	UR	0.040	UR
NICKEL	MG/KG	0.880	U	0.910	U	0.690	U	1.300	U	0.920	U	0.870	U
POTASSIUM	MG/KG	3113.680		2680.000		2270.000		3100.000		3170.000		3080.000	
SELENIUM	MG/KG	0.150	B	0.220	BJ	0.190	BJ	0.130	B	0.200	B	0.140	U
SILVER	MG/KG	0.510	UJ	0.470	UJ	0.400	UJ	0.430	UJ	0.530	UJ	0.510	UJ
SODIUM	MG/KG	1288.600		1160.000		956.000		1330.000		989.000		1160.000	
THALLIUM	MG/KG	0.150	U	0.130	U	0.120	U	0.120	U	0.150	U	0.140	U
VANADIUM	MG/KG	0.220	U	0.270	B	0.320	B	0.430	B	0.230	U	0.280	B
ZINC	MG/KG	28.940	UJ	24.600	UJ	21.100	UJ	29.200	UJ	22.700	UJ	25.900	UJ
CYANIDE	MG/KG	0.300	UR	0.270	UR	0.360	J	1.240	J	0.300	UR	2.830	J

	Samp#	B08YK9		B08YL0		B08YL1		B08YL2		B08YL3		B08YL4	
	Date	8-20-93		8-20-93		8-24-93		8-24-93		8-24-93		8-24-93	
	Location	216-U-11		216-U-11		216-B-3		216-B-3		216-T-4		216-T-4	
	Type												
	Comments	RODENT		RODENT		RODENT		RODENT		RODENT		RODENT	
Parameter	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
ALUMINUM	MG/KG	235.000		138.000		295.000		49.600		239.000		51.800	
ANTIMONY	MG/KG	2.860	U	3.430	U	2.270	U	3.220	U	3.340	U	2.770	U
ARSENIC	MG/KG	0.120	UJ	0.150	UJ	0.100	UJ	0.140	UJ	0.140	UJ	0.120	UJ
BARIUM	MG/KG	1.500	B	1.400	B	2.600	B	0.890	B	2.300	B	0.730	B
BERYLLIUM	MG/KG	0.060	U	0.070	U	0.050	U	0.070	U	0.070	U	0.060	U
CADMIUM	MG/KG	0.310	U	0.370	U	0.250	U	0.350	U	0.360	U	0.300	U
CALCIUM	MG/KG	4090.000	J	3020.000	J	10300.000	J	1300.000	J	9640.000	J	2170.000	J
CHROMIUM	MG/KG	0.930	U	0.750	U	1.600	U	1.400	U	1.600	U	1.000	U
COBALT	MG/KG	0.440	U	0.520	U	0.340	U	0.490	U	0.510	U	0.420	U
COPPER	MG/KG	11.300	UJ	15.500	UJ	26.100	UJ	8.600	UJ	21.200	UJ	4.400	UJ
IRON	MG/KG	121.000	J	108.000	J	299.000	J	95.600	J	251.000	J	104.000	J
LEAD	MG/KG	0.120	UJ	0.150	UJ	0.130	BJ	0.160	BJ	0.140	UJ	0.120	UJ
MAGNESIUM	MG/KG	330.000		232.000	B	446.000		193.000	B	511.000		176.000	B
MANGANESE	MG/KG	5.900		4.700		9.000		2.100		11.100		2.500	
MERCURY	MG/KG	0.030	UR	0.040	UR	0.600	J	0.050	BJ	0.040	UR	0.030	UR
NICKEL	MG/KG	0.920	U	1.100	U	0.880	U	1.000	U	1.000	U	1.400	U
POTASSIUM	MG/KG	2640.000		2220.000		2540.000		2900.000		3040.000		2760.000	
SELENIUM	MG/KG	0.180	BJ	0.170	B	0.250		0.200	B	0.180	B	0.130	B
SILVER	MG/KG	0.440	UJ	0.520	UJ	0.340	UJ	0.490	UJ	0.510	UJ	0.420	UJ
SODIUM	MG/KG	935.000		1010.000		1050.000		995.000		1180.000		1040.000	
THALLIUM	MG/KG	0.120	U	0.150	U	0.100	U	0.140	U	0.140	U	0.120	UJ
VANADIUM	MG/KG	0.190	U	0.230	B	0.590	B	0.210	U	0.720	B	0.180	U
ZINC	MG/KG	15.400	UJ	17.400	UJ	28.300	J	14.300	UJ	31.500	UJ	15.200	UJ
CYANIDE	MG/KG	0.250	UR	7.660	J	0.390	J	0.280	UR	0.290	UR	0.320	J

	Sampl#	B08YL5		B08YL6		B08YL7		B08YL8		B08YL9		B08YM0	
	Date	8-24-93		8-24-93		8-25-93		8-25-93		9-7-93		9-7-93	
	Location	216-T-4		216-T-4		216-T-4		216-T-4		SADDLE LAKE		SADDLE LAKE	
	Type												
	Comments	RODENT		RODENT		RODENT		RODENT		BULRUSH		CHEATGRASS	
Parameter	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
ALUMINUM	MG/KG	149.000		196.000		163.000		250.000		8.200	U	147.000	J
ANTIMONY	MG/KG	2.820	U	2.910	U	2.510	U	2.990	U	4.940	U	9.690	UJ
ARSENIC	MG/KG	0.120	UJ	0.130	UJ	0.110	UJ	0.130	UJ	0.480	UJ	0.630	UJ
BARIUM	MG/KG	1.600	B	4.400	B	1.500	B	1.000	B	33.200	B	20.600	BJ
BERYLLIUM	MG/KG	0.060	U	0.060	U	0.050	U	0.060	U	0.250	U	0.210	UJ
CADMIUM	MG/KG	0.310	U	0.320	U	0.270	U	0.320	U	0.490	U	1.050	UJ
CALCIUM	MG/KG	3690.000	J	7470.000	J	1380.000	J	5310.000	J	1500.000		2210.000	
CHROMIUM	MG/KG	0.370	U	0.790	U	1.700	U	0.420	U	0.740	U	1.260	UJ
COBALT	MG/KG	0.430	U	0.440	UJ	0.380	U	0.450	U	1.600	U	1.470	UJ
COPPER	MG/KG	2.800	UJ	3.400	UJ	5.600	UJ	5.800	UJ	1.500	U	3.700	BJ
IRON	MG/KG	69.700	J	121.000	J	246.000	J	92.500	J	32.500		349.000	J
LEAD	MG/KG	0.130	BJ	0.130	UJ	0.110	UJ	0.130	UJ	0.480	UJ	0.630	UJ
MAGNESIUM	MG/KG	200.000	B	343.000		256.000	B	340.000		945.000	BJ	635.000	B
MANGANESE	MG/KG	3.600		6.100		6.900		6.800		188.000	J	38.200	J
MERCURY	MG/KG	0.030	UR	0.030	UR	0.030	UR	0.030	UR	0.060	UJ	0.050	U
NICKEL	MG/KG	0.740	U	0.760	UJ	1.400	U	0.780	U	2.800	U	2.530	UJ
POTASSIUM	MG/KG	1350.000		2430.000		2540.000		2400.000		15600.000		1890.000	
SELENIUM	MG/KG	0.220	B	0.260	B	0.290		0.220	B	0.480	UJ	0.420	UJ
SILVER	MG/KG	0.430	UJ	0.440	UJ	0.380	UJ	0.450	UJ	0.740	U	1.470	UJ
SODIUM	MG/KG	577.000		960.000		828.000		908.000		1740.000	J	50.600	U
THALLIUM	MG/KG	0.120	UJ	0.130	UJ	0.110	UJ	0.130	UJ	0.480	UJ	0.420	UJ
VANADIUM	MG/KG	0.180	U	0.190	UJ	0.520	B	0.190	U	5.500	U	0.630	UJ
ZINC	MG/KG	12.700	UJ	23.300	UJ	16.300	UJ	21.300	UJ	8.500		11.500	J
CYANIDE	MG/KG	0.900	J	0.250	UR	2.040	J	1.280	J	1.000	UJ	1.060	U

	Samp#	B08YM1		B08YM2		B08YM3		B08YM4		B08YM5		B08YM6	
	Date	9-7-93		9-7-93		9-7-93		9-7-93		9-7-93		9-8-93	
	Location	SADDLE LAKE		SADDLE LAKE		SADDLE LAKE		SADDLE LAKE		SADDLE LAKE		SADDLE LAKE	
	Type												
	Comments	WILLOW		CATTAIL		RUSSIAN THIS.		SOIL		SOIL		RODENT	
Parameter	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
ALUMINUM	MG/KG	82.900	J	47.600	BJ	15.600	BJ	5100.000		6360.000		15.700	J
ANTIMONY	MG/KG	12.200	UJ	22.600	UJ	11.000	UJ	9.200	U	9.200	U	2.510	U
ARSENIC	MG/KG	0.790	UJ	1.470	UJ	0.720	UJ	0.920	B	1.100	B	0.110	UJ
BARIUM	MG/KG	16.800	UJ	8.900	UJ	6.600	UJ	55.900		61.900		2.100	B
BERYLLIUM	MG/KG	0.260	UJ	0.490	UJ	0.240	UJ	0.300	B	0.440	B	0.050	U
CADMIUM	MG/KG	1.320	UJ	2.460	UJ	1.190	UJ	1.000	U	1.000	U	0.270	U
CALCIUM	MG/KG	10200.000		3810.000		7300.000		2540.000		5234.000		10300.000	J
CHROMIUM	MG/KG	1.590	UJ	2.950	UJ	1.430	UJ	8.400		11.500		0.570	U
COBALT	MG/KG	1.850	UJ	3.440	UJ	1.670	UJ	7.500	B	8.500	B	0.380	U
COPPER	MG/KG	2.400	BJ	3.440	UJ	3.500	BJ	8.600		9.000		3.200	UJ
IRON	MG/KG	170.000	J	117.000	J	49.000	J	13700.000		18000.000		79.800	J
LEAD	MG/KG	0.790	UJ	1.470	UJ	0.720	UJ	3.600		3.700		0.110	UJ
MAGNESIUM	MG/KG	3530.000		1590.000	B	2380.000		3460.000		4430.000		519.000	J
MANGANESE	MG/KG	26.900	J	33.800	J	49.600	J	244.000		274.000		4.500	
MERCURY	MG/KG	0.070	U	0.120	U	0.060	U	0.050	U	0.050	U	0.030	UJ
NICKEL	MG/KG	3.180	UJ	5.900	UJ	2.860	UJ	11.500		9.900		0.920	U
POTASSIUM	MG/KG	8700.000		13200.000		30800.000		1270.000		1600.000		2910.000	J
SELENIUM	MG/KG	0.530	U	0.980	U	0.480	U	0.400	UJ	0.430	UJ	0.290	
SILVER	MG/KG	1.850	UJ	3.440	UJ	1.670	UJ	1.400	U	1.400	U	0.380	UJ
SODIUM	MG/KG	44.500	U	378.000	B	41.600	U	127.000	B	240.000	B	1190.000	J
THALLIUM	MG/KG	0.530	UJ	0.980	UJ	0.480	UJ	0.400	U	0.400	U	0.110	UJ
VANADIUM	MG/KG	0.900	UJ	1.470	UJ	0.720	UJ	23.300		35.700		0.160	U
ZINC	MG/KG	35.100	J	18.500	J	10.200	J	32.000	J	36.600	J	33.700	UJ
CYANIDE	MG/KG	1.330	U	2.470	U	1.200	U	1.000	UR	1.000	UR	0.220	UR

Parameter	Samp# / Date / Location / Type / Comments	B08YM7 9-8-93 SADDLE LAKE RODENT		B08YM8 9-8-93 SADDLE LAKE RODENT		B08YM9 9-8-93 SADDLE LAKE RODENT	
	Units	Result	Q	Result	Q	Result	Q
ALUMINUM	MG/KG	16.500	J	730.000		16.000	J
ANTIMONY	MG/KG	2.430	U	3.800	U	3.030	U
ARSENIC	MG/KG	0.110	UJ	0.170	UJ	0.130	UJ
BARIUM	MG/KG	1.400	B	6.200	B	0.390	U
BERYLLIUM	MG/KG	0.050	U	0.080	U	0.070	U
CADMIUM	MG/KG	0.260	U	0.410	U	0.330	U
CALCIUM	MG/KG	6500.000	J	10900.000	J	810.000	J
CHROMIUM	MG/KG	0.380	U	1.000	U	0.450	U
COBALT	MG/KG	0.370	U	0.580	U	0.460	U
COPPER	MG/KG	3.100	UJ	7.400	UJ	1.300	UJ
IRON	MG/KG	66.200	J	124.000	J	36.700	J
LEAD	MG/KG	0.150	BJ	0.170	UJ	0.130	UJ
MAGNESIUM	MG/KG	306.000	J	487.000	J	276.000	BJ
MANGANESE	MG/KG	3.600		12.800		1.100	
MERCURY	MG/KG	0.030	UJ	0.040	UJ	0.030	UJ
NICKEL	MG/KG	0.630	U	0.990	U	1.200	U
POTASSIUM	MG/KG	2490.000	J	2280.000	J	2560.000	J
SELENIUM	MG/KG	0.260	B	0.170	U	0.160	B
SILVER	MG/KG	0.370	UJ	0.580	UJ	0.460	UJ
SODIUM	MG/KG	920.000	J	1130.000	J	986.000	J
THALLIUM	MG/KG	0.110	UJ	0.170	UJ	0.130	UJ
VANADIUM	MG/KG	0.160	U	0.250	U	0.200	U
ZINC	MG/KG	25.400	UJ	30.800	UJ	6.400	UJ
CYANIDE	MG/KG	0.210	UR	0.330	UR	0.690	J

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APPENDIX B

METALS VALIDATED LABORATORY RESULTS FORMS

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YF7

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851601

Level (low/med): LOW Date Received: 8/06/93

% Solids: 89.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	45.80			P	
7440-36-0	Antimony	10.50	U		P	
7440-38-2	Arsenic	.45	U	W	F	
7440-39-3	Barium	11.80	B		P	
7440-41-7	Beryllium	.22	U		P	
7440-43-9	Cadmium	1.12	U		P	
7440-70-2	Calcium	2800.00			P	
7440-47-3	Chromium	1.12	U		P	
7440-48-4	Cobalt	1.79	U		P	
7440-50-8	Copper	3.10	B		P	
7439-89-6	Iron	119.00			P	J
7439-92-1	Lead	.45	U	NW	F	UJ
7439-95-4	Magnesium	840.00	B		P	
7439-96-5	Manganese	17.40			P	
7439-97-6	Mercury	.06	U		CV	
7440-02-0	Nickel	3.14	U		P	
7440-09-7	Potassium	5360.00			P	
7782-49-2	Selenium	.45	U		F	
7440-22-4	Silver	1.35	U		P	
7440-23-5	Sodium	71.00	B		P	
7440-28-0	Thallium	.90	U	N	F	UJ
7440-62-2	Vanadium	3.40	B		P	U
7440-66-6	Zinc	12.80			P	
	Cyanide	1.12	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified 9/10/93

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YF8

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851501

Level (low/med): LOW Date Received: 8/06/93

% Solids: 96.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4330.00			P
7440-36-0	Antimony	9.77	U		P
7440-38-2	Arsenic	1.60	B		F
7440-39-3	Barium	72.90			P
7440-41-7	Beryllium	.37	B		P
7440-43-9	Cadmium	1.04	U		P
7440-70-2	Calcium	3660.00			P
7440-47-3	Chromium	5.50			P
7440-48-4	Cobalt	8.80	B		P
7440-50-8	Copper	9.20			P
7439-89-6	Iron	15300.00			P
7439-92-1	Lead	3.50		S*	F
7439-95-4	Magnesium	3300.00			P
7439-96-5	Manganese	285.00			P
7439-97-6	Mercury	.05	U		CV
7440-02-0	Nickel	7.00	B		P
7440-09-7	Potassium	976.00	B		P
7782-49-2	Selenium	.60	~~B~~	N	F
7440-22-4	Silver	1.25	U		P
7440-23-5	Sodium	105.00	B		P
7440-28-0	Thallium	.83	U		F
7440-62-2	Vanadium	31.20			P
7440-66-6	Zinc	29.10			P
	Cyanide	1.04	U		C

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YF9

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP782

Matrix (soil/water): SOIL Lab Sample ID: 930978201

Level (low/med): LOW Date Received: 9/02/93

% Solids: 92.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	105.00			P	
7440-36-0	Antimony	10.10	U		P	
7440-38-2	Arsenic	.43	~~U~~	NW	F	U
7440-39-3	Barium	17.40	~~B~~		P	U
7440-41-7	Beryllium	.52	~~B~~		P	U
7440-43-9	Cadmium	1.08	U		P	
7440-70-2	Calcium	3210.00		E	P	U
7440-47-3	Chromium	1.08	U		P	
7440-48-4	Cobalt	2.30	~~B~~		P	U
7440-50-8	Copper	3.70	~~B~~		P	U
7439-89-6	Iron	206.00			P	
7439-92-1	Lead	.43	U		F	
7439-95-4	Magnesium	544.00	B		P	
7439-96-5	Manganese	16.00			P	
7439-97-6	Mercury	.05	~~U~~		CV	U
7440-02-0	Nickel	3.40	B		P	
7440-09-7	Potassium	5040.00			P	
7782-49-2	Selenium	0.43 ~~0.38~~ ~~.43~~	~~U~~	W	F	~~B~~ 01/28/94 U 5/2/94
7440-22-4	Silver	1.29	U		P	
7440-23-5	Sodium	102.00	~~B~~		P	U
7440-28-0	Thallium	0.86 ~~0.22~~ ~~.86~~	U		F	
7440-62-2	Vanadium	2.50	~~B~~		P	U
7440-66-6	Zinc	21.40		*	P	U
	Cyanide	1.08	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

updated 5/2/94

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verified 1/27/94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YG0

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851502

Level (low/med): LOW Date Received: 8/06/93

% Solids: 97.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	Q
7429-90-5	Aluminum	4710.00			P	
7440-36-0	Antimony	9.37	U		P	
7440-38-2	Arsenic	1.50	B		F	
7440-39-3	Barium	75.00			P	
7440-41-7	Beryllium	.40	B		P	
7440-43-9	Cadmium	1.00	U		P	
7440-70-2	Calcium	3170.00			P	
7440-47-3	Chromium	6.50			P	
7440-48-4	Cobalt	9.30	B		P	
7440-50-8	Copper	9.20			P	
7439-89-6	Iron	16700.00			P	
7439-92-1	Lead	4.20	—	*+	F	J
7439-95-4	Magnesium	3390.00			P	
7439-96-5	Manganese	317.00			P	
7439-97-6	Mercury	.05	U		CV	
7440-02-0	Nickel	6.50	B		P	
7440-09-7	Potassium	1280.00			P	
7782-49-2	Selenium	.41	~~U~~	N	F	UJ
7440-22-4	Silver	1.20	U		P	
7440-23-5	Sodium	103.00	B		P	
7440-28-0	Thallium	.82	U		F	
7440-62-2	Vanadium	34.70			P	
7440-66-6	Zinc	30.90			P	
	Cyanide	1.03	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:
The Lead result is the better of the two MSA's.

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YG1

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851602

Level (low/med): LOW Date Received: 8/06/93

% Solids: 27.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	81.10	B		P	
7440-36-0	Antimony	31.50	U		P	
7440-38-2	Arsenic	1.46	U		F	
7440-39-3	Barium	11.30	B		P	
7440-41-7	Beryllium	.67	U		P	
7440-43-9	Cadmium	3.35	U		P	
7440-70-2	Calcium	20300.00			P	
7440-47-3	Chromium	3.35	U		P	
7440-48-4	Cobalt	5.36	U		P	
7440-50-8	Copper	13.80	B		P	
7439-89-6	Iron	230.00		*	P	J
7439-92-1	Lead	1.46	U	~~N~~	F	UJ
7439-95-4	Magnesium	10200.00			P	
7439-96-5	Manganese	37.10			P	
7439-97-6	Mercury	.18	U		CV	
7440-02-0	Nickel	9.39	U		P	
7440-09-7	Potassium	81500.00			P	
7782-49-2	Selenium	1.46	U	W	F	
7440-22-4	Silver	4.02	U		P	
7440-23-5	Sodium	251.00	B		P	
7440-28-0	Thallium	2.92	U	~~NW~~	F	UJ
7440-62-2	Vanadium	11.60	B		P	U
7440-66-6	Zinc	30.80			P	
	Cyanide	3.68	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YG2

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851503

Level (low/med): LOW Date Received: 8/06/93

% Solids: 96.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4430.00			P	
7440-36-0	Antimony	9.19	U		P	
7440-38-2	Arsenic	1.50	B		F	
7440-39-3	Barium	73.20			P	
7440-41-7	Beryllium	.35	B		P	
7440-43-9	Cadmium	.98	U		P	
7440-70-2	Calcium	3770.00			P	
7440-47-3	Chromium	6.10			P	
7440-48-4	Cobalt	9.40	B		P	
7440-50-8	Copper	8.80			P	
7439-89-6	Iron	16100.00			P	
7439-92-1	Lead	3.90		S*	F	
7439-95-4	Magnesium	3250.00			P	
7439-96-5	Manganese	306.00			P	
7439-97-6	Mercury	.05	U		CV	
7440-02-0	Nickel	5.80	B		P	
7440-09-7	Potassium	1130.00			P	
7782-49-2	Selenium	.41	~~U~~	N	F	UJ
7440-22-4	Silver	1.17	U		P	
7440-23-5	Sodium	84.90	~~B~~		P	U
7440-28-0	Thallium	.83	U		F	
7440-62-2	Vanadium	32.70			P	
7440-66-6	Zinc	30.20			P	
	Cyanide	1.03	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YG3

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851603

Level (low/med): LOW Date Received: 8/06/93

% Solids: 42.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	58.50	B		P	
7440-36-0	Antimony	22.20	U		P	
7440-38-2	Arsenic	.94	U	W	F	
7440-39-3	Barium	20.50	B		P	
7440-41-7	Beryllium	.47	U		P	
7440-43-9	Cadmium	2.36	U		P	
7440-70-2	Calcium	24900.00			P	
7440-47-3	Chromium	2.36	U		P	
7440-48-4	Cobalt	3.78	U		P	
7440-50-8	Copper	11.90			P	
7439-89-6	Iron	126.00			P	J
7439-92-1	Lead	.94	~~U~~	~~NW~~	F	UJ
7439-95-4	Magnesium	7710.00			P	
7439-96-5	Manganese	37.00			P	
7439-97-6	Mercury	.12	U		CV	
7440-02-0	Nickel	6.61	U		P	
7440-09-7	Potassium	57000.00			P	
7782-49-2	Selenium	.94	U		F	
7440-22-4	Silver	2.83	U		P	
7440-23-5	Sodium	162.00	B		P	
7440-28-0	Thallium	1.87	U	~~NW~~	F	UJ
7440-62-2	Vanadium	8.70	~~B~~		P	U
7440-66-6	Zinc	23.30			P	
	Cyanide	2.37	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified SMC 12/8

FORM I - IN 03/90

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YG4

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851504

Level (low/med): LOW Date Received: 8/06/93

% Solids: 96.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5080.00			P
7440-36-0	Antimony	9.43	U		P
7440-38-2	Arsenic	1.50	B		F
7440-39-3	Barium	74.40			P
7440-41-7	Beryllium	.34	B		P
7440-43-9	Cadmium	1.00	U		P
7440-70-2	Calcium	4310.00			P
7440-47-3	Chromium	6.80			P
7440-48-4	Cobalt	10.00	B		P
7440-50-8	Copper	10.30			P
7439-89-6	Iron	18300.00			P
7439-92-1	Lead	4.20		S*	F
7439-95-4	Magnesium	3740.00			P
7439-96-5	Manganese	319.00			P
7439-97-6	Mercury	.05	U		CV
7440-02-0	Nickel	8.10			P
7440-09-7	Potassium	1060.00			P
7782-49-2	Selenium	.39	~~U~~	N	F
7440-22-4	Silver	1.20	U		P
7440-23-5	Sodium	109.00	B		P
7440-28-0	Thallium	.79	U		F
7440-62-2	Vanadium	39.30			P
7440-66-6	Zinc	33.40			P
	Cyanide	1.04	U		C

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YG5

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851505

Level (low/med): LOW Date Received: 8/06/93

% Solids: 95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4500.00			P	
7440-36-0	Antimony	9.84	U		P	
7440-38-2	Arsenic	4.10			F	
7440-39-3	Barium	53.40			P	
7440-41-7	Beryllium	.42	B		P	
7440-43-9	Cadmium	1.05	U		P	
7440-70-2	Calcium	5570.00			P	
7440-47-3	Chromium	5.80			P	
7440-48-4	Cobalt	10.10	B		P	
7440-50-8	Copper	8.90			P	
7439-89-6	Iron	18400.00			P	
7439-92-1	Lead	5.30	—	*+	F	J
7439-95-4	Magnesium	4440.00			P	
7439-96-5	Manganese	301.00			P	
7439-97-6	Mercury	.05	U		CV	
7440-02-0	Nickel	5.50	B		P	
7440-09-7	Potassium	1320.00			P	
7782-49-2	Selenium	.39	~~U~~	N	F	UJ
7440-22-4	Silver	1.26	U		P	
7440-23-5	Sodium	120.00	B		P	
7440-28-0	Thallium	.78	U		F	
7440-62-2	Vanadium	40.90			P	
7440-66-6	Zinc	36.40			P	
	Cyanide	1.05	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:
The Lead result is the better of the two MSA's.

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YG6

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851506

Level (low/med): LOW Date Received: 8/06/93

% Solids: 88.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG Q

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4400.00			P	
7440-36-0	Antimony	10.20	U		P	
7440-38-2	Arsenic	3.70			F	
7440-39-3	Barium	60.00			P	
7440-41-7	Beryllium	.39	B		P	
7440-43-9	Cadmium	1.08	U		P	
7440-70-2	Calcium	5890.00			P	
7440-47-3	Chromium	5.90			P	
7440-48-4	Cobalt	8.70	B		P	
7440-50-8	Copper	8.20			P	
7439-89-6	Iron	16100.00			P	
7439-92-1	Lead	5.50		S*	F	
7439-95-4	Magnesium	4030.00			P	
7439-96-5	Manganese	288.00			P	
7439-97-6	Mercury	.06	U		CV	
7440-02-0	Nickel	5.30	B		P	
7440-09-7	Potassium	1870.00			P	
7782-49-2	Selenium	.43	~~U~~	N	F	UJ
7440-22-4	Silver	1.30	U		P	
7440-23-5	Sodium	131.00	B		P	
7440-28-0	Thallium	.86	~~U~~		F	UJ
7440-62-2	Vanadium	34.20			P	
7440-66-6	Zinc	33.30			P	
	Cyanide	1.13	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YG7

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851507

Level (low/med): LOW Date Received: 8/06/93

% Solids: 87.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4410.00			P	
7440-36-0	Antimony	10.40	U		P	
7440-38-2	Arsenic	2.90			F	
7440-39-3	Barium	65.00			P	
7440-41-7	Beryllium	.42	B		P	
7440-43-9	Cadmium	1.11	U		P	
7440-70-2	Calcium	3760.00			P	
7440-47-3	Chromium	5.70			P	
7440-48-4	Cobalt	8.90	B		P	
7440-50-8	Copper	8.30			P	
7439-89-6	Iron	15700.00			P	
7439-92-1	Lead	6.40		S*	F	
7439-95-4	Magnesium	3710.00			P	
7439-96-5	Manganese	300.00			P	
7439-97-6	Mercury	.06	U		CV	
7440-02-0	Nickel	5.00	B		P	
7440-09-7	Potassium	1900.00			P	
7782-49-2	Selenium	.72	~~B~~	N	F	~~B~~ UJ
7440-22-4	Silver	1.33	U		P	
7440-23-5	Sodium	92.50	~~B~~		P	U
7440-28-0	Thallium	.87	U		F	
7440-62-2	Vanadium	30.70			P	
7440-66-6	Zinc	33.70			P	
	Cyanide	1.14	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YG8

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851508

Level (low/med): LOW Date Received: 8/06/93

% Solids: 89.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG Q

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	5470.00			P	
7440-36-0	Antimony	9.97	U		P	
7440-38-2	Arsenic	2.90			F	
7440-39-3	Barium	71.50			P	
7440-41-7	Beryllium	.42	B		P	
7440-43-9	Cadmium	1.06	U		P	
7440-70-2	Calcium	4880.00			P	
7440-47-3	Chromium	6.60			P	
7440-48-4	Cobalt	10.00	B		P	
7440-50-8	Copper	9.70			P	
7439-89-6	Iron	18900.00			P	
7439-92-1	Lead	5.00		S*	F	
7439-95-4	Magnesium	4310.00			P	
7439-96-5	Manganese	319.00			P	
7439-97-6	Mercury	.06	U		CV	
7440-02-0	Nickel	6.00	B		P	
7440-09-7	Potassium	1720.00			P	
7782-49-2	Selenium	.43	~~U~~	WN	F	UJ
7440-22-4	Silver	1.27	U		P	
7440-23-5	Sodium	146.00	B		P	
7440-28-0	Thallium	.86	U		F	
7440-62-2	Vanadium	37.80			P	
7440-66-6	Zinc	46.10			P	
	Cyanide	1.12	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YG9

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851604

Level (low/med): LOW Date Received: 8/06/93

% Solids: 33.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	Q
7429-90-5	Aluminum	2990.00			P	
7440-36-0	Antimony	27.80	U		P	
7440-38-2	Arsenic	3.10	B		F	
7440-39-3	Barium	42.80	B		P	
7440-41-7	Beryllium	.59	U		P	
7440-43-9	Cadmium	3.70			P	
7440-70-2	Calcium	10600.00			P	
7440-47-3	Chromium	4.10	B		P	
7440-48-4	Cobalt	6.70	B		P	
7440-50-8	Copper	25.10			P	
7439-89-6	Iron	9150.00			P	J
7439-92-1	Lead	14.00		NS	F	J
7439-95-4	Magnesium	3230.00			P	
7439-96-5	Manganese	106.00			P	
7439-97-6	Mercury	.22	B		CV	
7440-02-0	Nickel	8.40	B		P	
7440-09-7	Potassium	4820.00			P	
7782-49-2	Selenium	1.18	U	W	F	
7440-22-4	Silver	3.55	U		P	
7440-23-5	Sodium	2440.00	B		P	
7440-28-0	Thallium	2.37	U	N	F	UJ
7440-62-2	Vanadium	31.60			P	
7440-66-6	Zinc	80.30			P	
	Cyanide	2.96	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YH0

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851605

Level (low/med): LOW Date Received: 8/06/93

% Solids: 69.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	93.00			P	
7440-36-0	Antimony	13.50	U		P	
7440-38-2	Arsenic	.54	U	W	F	
7440-39-3	Barium	13.30	B		P	
7440-41-7	Beryllium	.29	U		P	
7440-43-9	Cadmium	1.44	U		P	
7440-70-2	Calcium	2410.00			P	
7440-47-3	Chromium	1.44	U		P	
7440-48-4	Cobalt	2.30	U		P	
7440-50-8	Copper	8.00			P	
7439-89-6	Iron	266.00			P	J
7439-92-1	Lead	.54	U	NW	F	UJ
7439-95-4	Magnesium	1320.00	B		P	
7439-96-5	Manganese	80.00			P	
7439-97-6	Mercury	.07	U		CV	
7440-02-0	Nickel	4.02	U		P	
7440-09-7	Potassium	14700.00			P	
7782-49-2	Selenium	.54	U		F	
7440-22-4	Silver	1.72	U		P	
7440-23-5	Sodium	285.00	B		P	
7440-28-0	Thallium	1.08	U	NW	F	UJ
7440-62-2	Vanadium	4.60	B		P	
7440-66-6	Zinc	30.50			P	
	Cyanide	1.44	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified 940128

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YH1

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851606

Level (low/med): LOW Date Received: 8/06/93

% Solids: 37.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5790.00			P
7440-36-0	Antimony	25.40	U		P
7440-38-2	Arsenic	3.10	B		F
7440-39-3	Barium	60.00	B		P
7440-41-7	Beryllium	.92	B		P
7440-43-9	Cadmium	2.70			P
7440-70-2	Calcium	12600.00			P
7440-47-3	Chromium	8.60			P
7440-48-4	Cobalt	11.10	B		P
7440-50-8	Copper	25.20			P
7439-89-6	Iron	15600.00	J		P
7439-92-1	Lead	6.90	J	N8	F
7439-95-4	Magnesium	4410.00			P
7439-96-5	Manganese	189.00			P
7439-97-6	Mercury	.13	U		CV
7440-02-0	Nickel	7.56	U		P
7440-09-7	Potassium	3700.00			P
7782-49-2	Selenium	1.01	U		F
7440-22-4	Silver	3.24	U		P
7440-23-5	Sodium	1310.00	B		P
7440-28-0	Thallium	2.02	U	N	F
7440-62-2	Vanadium	53.90			P
7440-66-6	Zinc	127.00			P
	Cyanide	2.70	U		C

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified 9/10/93 jwh

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YH2

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851607

Level (low/med): LOW Date Received: 8/06/93

% Solids: 73.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	32.90	B		P	
7440-36-0	Antimony	12.30	U		P	
7440-38-2	Arsenic	.53	U	W	F	
7440-39-3	Barium	32.00	B		P	
7440-41-7	Beryllium	.26	U		P	
7440-43-9	Cadmium	6.00			P	
7440-70-2	Calcium	15200.00			P	
7440-47-3	Chromium	1.31	U		P	
7440-48-4	Cobalt	2.09	U		P	
7440-50-8	Copper	9.60			P	
7439-89-6	Iron	90.30			P	J
7439-92-1	Lead	.53	U	~~NW~~	F	UJ
7439-95-4	Magnesium	2500.00			P	
7439-96-5	Manganese	357.00			P	
7439-97-6	Mercury	.07	U		CV	
7440-02-0	Nickel	3.66	U		P	
7440-09-7	Potassium	8230.00			P	
7782-49-2	Selenium	5.34	U	W	F	
7440-22-4	Silver	1.57	U		P	
7440-23-5	Sodium	58.20	B		P	
7440-28-0	Thallium	1.07	U	~~NW~~	F	UJ
7440-62-2	Vanadium	5.80	~~B~~		P	U
7440-66-6	Zinc	100.00			P	
	Cyanide	1.36	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified 940128 [illegible]

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YH3

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851509

Level (low/med): LOW Date Received: 8/06/93

% Solids: 97.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5000.00			P
7440-36-0	Antimony	9.25	U		P
7440-38-2	Arsenic	2.40			F
7440-39-3	Barium	79.70			P
7440-41-7	Beryllium	.41	B		P
7440-43-9	Cadmium	.98	U		P
7440-70-2	Calcium	10600.00			P
7440-47-3	Chromium	6.10			P
7440-48-4	Cobalt	12.90			P
7440-50-8	Copper	12.90			P
7439-89-6	Iron	22800.00			P
7439-92-1	Lead	3.70		S*	F
7439-95-4	Magnesium	4520.00			P
7439-96-5	Manganese	376.00			P
7439-97-6	Mercury	.05	U		CV
7440-02-0	Nickel	7.00	B		P
7440-09-7	Potassium	836.00	B		P
7782-49-2	Selenium	.40	U	N	F
7440-22-4	Silver	1.18	U		P
7440-23-5	Sodium	194.00	B		P
7440-28-0	Thallium	.80	U		F
7440-62-2	Vanadium	46.20			P
7440-66-6	Zinc	38.20			P
	Cyanide	1.02	U		C

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YH4

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851510

Level (low/med): LOW Date Received: 8/06/93

% Solids: 96.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5250.00			P
7440-36-0	Antimony	9.59	U		P
7440-38-2	Arsenic	3.90			F
7440-39-3	Barium	78.00			P
7440-41-7	Beryllium	.35	B		P
7440-43-9	Cadmium	1.02	U		P
7440-70-2	Calcium	8290.00			P
7440-47-3	Chromium	6.40			P
7440-48-4	Cobalt	10.60			P
7440-50-8	Copper	10.70			P
7439-89-6	Iron	20100.00			P
7439-92-1	Lead	4.60		S*	F
7439-95-4	Magnesium	4480.00			P
7439-96-5	Manganese	347.00			P
7439-97-6	Mercury	.05	U		CV
7440-02-0	Nickel	7.40	B		P
7440-09-7	Potassium	1090.00			P
7782-49-2	Selenium	.41	~~U~~	N	F
7440-22-4	Silver	1.22	U		P
7440-23-5	Sodium	138.00	B		P
7440-28-0	Thallium	.81	U		F
7440-62-2	Vanadium	42.60			P
7440-66-6	Zinc	36.40			P
	Cyanide	1.04	U		C

Q

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Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YH5

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851511

Level (low/med): LOW Date Received: 8/06/93

% Solids: 96.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4270.00			P	
7440-36-0	Antimony	9.19	U		P	
7440-38-2	Arsenic	5.00			F	
7440-39-3	Barium	69.80			P	
7440-41-7	Beryllium	.41	B		P	
7440-43-9	Cadmium	.98	U		P	
7440-70-2	Calcium	3870.00			P	
7440-47-3	Chromium	5.90			P	
7440-48-4	Cobalt	8.60	B		P	
7440-50-8	Copper	8.30			P	
7439-89-6	Iron	15600.00			P	
7439-92-1	Lead	11.80		S*	F	
7439-95-4	Magnesium	3320.00			P	
7439-96-5	Manganese	303.00			P	
7439-97-6	Mercury	.05	U		CV	
7440-02-0	Nickel	5.50	B		P	
7440-09-7	Potassium	1250.00			P	
7782-49-2	Selenium	.40	~~U~~	N	F	UJ
7440-22-4	Silver	1.30	B		P	
7440-23-5	Sodium	86.10	~~B~~		P	u
7440-28-0	Thallium	.81	U		F	
7440-62-2	Vanadium	30.90			P	
7440-66-6	Zinc	31.20			P	
	Cyanide	1.04	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YH6

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851512

Level (low/med): LOW Date Received: 8/06/93

% Solids: 95.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4940.00			P
7440-36-0	Antimony	9.55	U		P
7440-38-2	Arsenic	2.10			F
7440-39-3	Barium	74.60			P
7440-41-7	Beryllium	.43	B		P
7440-43-9	Cadmium	1.02	U		P
7440-70-2	Calcium	3580.00			P
7440-47-3	Chromium	6.60			P
7440-48-4	Cobalt	8.40	B		P
7440-50-8	Copper	8.10			P
7439-89-6	Iron	16300.00			P
7439-92-1	Lead	6.00		S*	F
7439-95-4	Magnesium	3570.00			P
7439-96-5	Manganese	302.00			P
7439-97-6	Mercury	.05	U		CV
7440-02-0	Nickel	5.80	B		P
7440-09-7	Potassium	1480.00			P
7782-49-2	Selenium	.39	~~U~~	N	F
7440-22-4	Silver	1.22	U		P
7440-23-5	Sodium	118.00	B		P
7440-28-0	Thallium	.79	U		F
7440-62-2	Vanadium	32.10			P
7440-66-6	Zinc	34.90			P
	Cyanide	1.05	U		C

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YH7

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851608

Level (low/med): LOW Date Received: 8/06/93

% Solids: 28.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	Q
7429-90-5	Aluminum	73.00	B		P	
7440-36-0	Antimony	31.90	U		P	
7440-38-2	Arsenic	1.30	U	W	F	
7440-39-3	Barium	9.40	B		P	
7440-41-7	Beryllium	.68	U		P	
7440-43-9	Cadmium	3.39	U		P	
7440-70-2	Calcium	18200.00			P	
7440-47-3	Chromium	3.39	U		P	
7440-48-4	Cobalt	5.42	U		P	
7440-50-8	Copper	12.00	B		P	
7439-89-6	Iron	216.00			P	J
7439-92-1	Lead	1.30	U	~~NW~~	F	UJ
7439-95-4	Magnesium	8970.00			P	
7439-96-5	Manganese	37.60			P	
7439-97-6	Mercury	.17	U		CV	
7440-02-0	Nickel	9.49	U		P	
7440-09-7	Potassium	63300.00			P	
7782-49-2	Selenium	1.30	U		F	
7440-22-4	Silver	4.07	U		P	
7440-23-5	Sodium	309.00	B		P	
7440-28-0	Thallium	2.60	U	~~N~~	F	UJ
7440-62-2	Vanadium	9.60	~~B~~		P	U
7440-66-6	Zinc	47.30			P	
	Cyanide	3.46	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YH8

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851609

Level (low/med): LOW Date Received: 8/06/93

% Solids: 33.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	Q
7429-90-5	Aluminum	130.00			P	
7440-36-0	Antimony	27.80	U		P	
7440-38-2	Arsenic	1.15	U	W	F	
7440-39-3	Barium	4.50	~~B~~		P	U
7440-41-7	Beryllium	.59	U		P	
7440-43-9	Cadmium	2.96	U		P	
7440-70-2	Calcium	12400.00			P	
7440-47-3	Chromium	2.96	U		P	
7440-48-4	Cobalt	4.74	U		P	
7440-50-8	Copper	10.10	B		P	
7439-89-6	Iron	396.00			P	J
7439-92-1	Lead	1.15	U	~~NW~~	F	UJ
7439-95-4	Magnesium	4160.00			P	
7439-96-5	Manganese	40.00			P	
7439-97-6	Mercury	.15	U		CV	
7440-02-0	Nickel	8.29	U		P	
7440-09-7	Potassium	63100.00			P	
7782-49-2	Selenium	1.15	U	W	F	
7440-22-4	Silver	3.55	U		P	
7440-23-5	Sodium	155.00	B		P	
7440-28-0	Thallium	2.29	U	~~N~~	F	UJ
7440-62-2	Vanadium	7.30	~~B~~		P	U
7440-66-6	Zinc	29.20			P	
	Cyanide	3.01	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YH9

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851610

Level (low/med): LOW Date Received: 8/06/93

% Solids: 85.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1620.00			P	
7440-36-0	Antimony	10.80	U		P	
7440-38-2	Arsenic	.47	U	W	F	
7440-39-3	Barium	29.40	B		P	
7440-41-7	Beryllium	.23	U		P	
7440-43-9	Cadmium	1.15	U		P	
7440-70-2	Calcium	4670.00			P	
7440-47-3	Chromium	2.10	B		P	
7440-48-4	Cobalt	2.60	B		P	
7440-50-8	Copper	5.60	B		P	
7439-89-6	Iron	4980.00			P	J
7439-92-1	Lead	.47	U	N	F	UJ
7439-95-4	Magnesium	1970.00			P	
7439-96-5	Manganese	102.00			P	
7439-97-6	Mercury	.06	U		CV	
7440-02-0	Nickel	3.23	U		P	
7440-09-7	Potassium	4060.00			P	
7782-49-2	Selenium	.47	U		F	
7440-22-4	Silver	1.38	U		P	
7440-23-5	Sodium	127.00	B		P	
7440-28-0	Thallium	.94	U	N	F	UJ
7440-62-2	Vanadium	12.60			P	U
7440-66-6	Zinc	16.80			P	
	Cyanide	1.17	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
216-A-24
B08YJ0
Chestgass

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP885

Matrix (soil/water): SOIL Lab Sample ID: 930988501

Level (low/med): LOW Date Received: 9/11/93

% Solids: 93.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	144.00		*	P	
7440-36-0	Antimony	9.89	U	N	P	
7440-38-2	Arsenic	.64	U	NW	F	
7440-39-3	Barium	20.50	B	N	P	
7440-41-7	Beryllium	.30	B	N	P	
7440-43-9	Cadmium	1.07	U	N	P	
7440-70-2	Calcium	2990.00			P	
7440-47-3	Chromium	1.29	U	N	P	
7440-48-4	Cobalt	1.60	B	N	P	
7440-50-8	Copper	3.30	B	N	P	
7439-89-6	Iron	344.00		*	P	
7439-92-1	Lead	.64	U	W*	F	
7439-95-4	Magnesium	556.00	B		P	
7439-96-5	Manganese	18.20		N	P	
7439-97-6	Mercury	.05	U		CV	
7440-02-0	Nickel	2.58	U	N	P	
7440-09-7	Potassium	2810.00			P	
7782-49-2	Selenium	.43	U		F	
7440-22-4	Silver	1.50	U	N	P	
7440-23-5	Sodium	232.00	B		P	
7440-28-0	Thallium	.43	U		F	
7440-62-2	Vanadium	1.90	B	N	P	
7440-66-6	Zinc	8.10		N	P	
	Cyanide	1.07	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YJ1

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851513

Level (low/med): LOW Date Received: 8/06/93

% Solids: 80.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5450.00			P
7440-36-0	Antimony	10.80	U		P
7440-38-2	Arsenic	1.70	B		F
7440-39-3	Barium	83.40			P
7440-41-7	Beryllium	.41	B		P
7440-43-9	Cadmium	1.15	U		P
7440-70-2	Calcium	4990.00			P
7440-47-3	Chromium	10.30			P
7440-48-4	Cobalt	9.70	B		P
7440-50-8	Copper	24.40			P
7439-89-6	Iron	18800.00			P
7439-92-1	Lead	8.80		S*	F
7439-95-4	Magnesium	4070.00			P
7439-96-5	Manganese	369.00			P
7439-97-6	Mercury	.59			CV
7440-02-0	Nickel	8.10	B		P
7440-09-7	Potassium	1670.00			P
7782-49-2	Selenium	.50	~~U~~	N	F
7440-22-4	Silver	1.70	B		P
7440-23-5	Sodium	124.00	B		P
7440-28-0	Thallium	1.00	U		F
7440-62-2	Vanadium	38.10			P
7440-66-6	Zinc	63.00			P
	Cyanide	1.25	U		C

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YJ2

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851514

Level (low/med): LOW Date Received: 8/06/93

% Solids: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4770.00			P	
7440-36-0	Antimony	10.20	U		P	
7440-38-2	Arsenic	1.50	B		F	
7440-39-3	Barium	77.60			P	
7440-41-7	Beryllium	.39	B		P	
7440-43-9	Cadmium	1.09	U		P	
7440-70-2	Calcium	3180.00			P	
7440-47-3	Chromium	6.40			P	
7440-48-4	Cobalt	9.20	B		P	
7440-50-8	Copper	8.00			P	
7439-89-6	Iron	16600.00			P	
7439-92-1	Lead	4.30		S*	F	
7439-95-4	Magnesium	3460.00			P	
7439-96-5	Manganese	300.00			P	
7439-97-6	Mercury	.06	U		CV	
7440-02-0	Nickel	7.30	B		P	
7440-09-7	Potassium	1370.00			P	
7782-49-2	Selenium	.44	~~U~~	N	F	UJ
7440-22-4	Silver	1.60	B		P	
7440-23-5	Sodium	98.70	~~B~~		P	U
7440-28-0	Thallium	.88	U		F	
7440-62-2	Vanadium	35.00			P	
7440-66-6	Zinc	32.90			P	
	Cyanide	1.12	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YJ3

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851515

Level (low/med): LOW Date Received: 8/06/93

% Solids: 97.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG Q

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3400.00			P	
7440-36-0	Antimony	8.93	U		P	
7440-38-2	Arsenic	1.10	B		F	
7440-39-3	Barium	56.80			P	
7440-41-7	Beryllium	.30	B		P	
7440-43-9	Cadmium	.95	U		P	
7440-70-2	Calcium	2740.00			P	
7440-47-3	Chromium	4.70			P	
7440-48-4	Cobalt	7.30	B		P	
7440-50-8	Copper	9.20			P	
7439-89-6	Iron	13500.00			P	
7439-92-1	Lead	4.60		S*	F	
7439-95-4	Magnesium	2820.00			P	
7439-96-5	Manganese	250.00			P	
7439-97-6	Mercury	.05	U		CV	
7440-02-0	Nickel	6.40	B		P	
7440-09-7	Potassium	1200.00			P	
7782-49-2	Selenium	.41	~~U~~	N	F	US
7440-22-4	Silver	1.14	U		P	
7440-23-5	Sodium	88.20	~~B~~		P	U
7440-28-0	Thallium	.81	U		F	
7440-62-2	Vanadium	25.80			P	
7440-66-6	Zinc	27.40			P	
	Cyanide	1.02	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YJ4

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP515

Matrix (soil/water): SOIL Lab Sample ID: 930851516

Level (low/med): LOW Date Received: 8/06/93

% Solids: 95.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	Q
7429-90-5	Aluminum	4070.00			P	
7440-36-0	Antimony	9.56	U		P	
7440-38-2	Arsenic	1.30	B		F	
7440-39-3	Barium	64.60			P	
7440-41-7	Beryllium	.37	~~B~~		P	BJ
7440-43-9	Cadmium	1.02	U		P	
7440-70-2	Calcium	4160.00			P	
7440-47-3	Chromium	5.50			P	
7440-48-4	Cobalt	8.30	B		P	
7440-50-8	Copper	13.40			P	
7439-89-6	Iron	14200.00			P	
7439-92-1	Lead	3.80		S*	F	
7439-95-4	Magnesium	3300.00			P	
7439-96-5	Manganese	288.00			P	
7439-97-6	Mercury	.12			CV	
7440-02-0	Nickel	6.40	B		P	
7440-09-7	Potassium	1390.00			P	
7782-49-2	Selenium	.42	~~U~~	WN	F	UJ
7440-22-4	Silver	1.22	U		P	
7440-23-5	Sodium	122.00	B		P	
7440-28-0	Thallium	.83	U	W	F	
7440-62-2	Vanadium	28.90			P	
7440-66-6	Zinc	34.60			P	
	Cyanide	1.04	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

verified gj 2/2/94

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YJ5

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851611

Level (low/med): LOW Date Received: 8/06/93

% Solids: 21.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2040.00			P	
7440-36-0	Antimony	43.40	U		P	
7440-38-2	Arsenic	3.90	B	W	F	
7440-39-3	Barium	45.10	B		P	
7440-41-7	Beryllium	.92	U		P	
7440-43-9	Cadmium	9.90			P	
7440-70-2	Calcium	10400.00			P	
7440-47-3	Chromium	13.60			P	
7440-48-4	Cobalt	7.39	U		P	
7440-50-8	Copper	252.00			P	
7439-89-6	Iron	7460.00		*	P	J
7439-92-1	Lead	50.50		~~NS~~	F	J
7439-95-4	Magnesium	4590.00	B		P	
7439-96-5	Manganese	488.00			P	
7439-97-6	Mercury	1.59			CV	
7440-02-0	Nickel	12.90	U		P	
7440-09-7	Potassium	21000.00			P	
7782-49-2	Selenium	1.85	U	W	F	
7440-22-4	Silver	5.54	U		P	
7440-23-5	Sodium	7840.00			P	
7440-28-0	Thallium	3.70	~~U~~	~~NW~~	F	UJ
7440-62-2	Vanadium	21.60	~~B~~		P	U
7440-66-6	Zinc	422.00			P	
	Cyanide	4.64	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified 9/4/93

FORM I - IN 03/90

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YJ6

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851612

Level (low/med): LOW Date Received: 8/06/93

% Solids: 20.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3660.00			P	
7440-36-0	Antimony	45.80	U		P	
7440-38-2	Arsenic	4.20	B		F	
7440-39-3	Barium	91.10	B		P	
7440-41-7	Beryllium	.97	U		P	
7440-43-9	Cadmium	4.87	U		P	
7440-70-2	Calcium	18000.00			P	
7440-47-3	Chromium	21.80			P	
7440-48-4	Cobalt	7.80	B		P	
7440-50-8	Copper	279.00			P	
7439-89-6	Iron	10900.00		*	P	J
7439-92-1	Lead	27.00		~~NS~~	F	J
7439-95-4	Magnesium	4870.00	B		P	
7439-96-5	Manganese	386.00			P	
7439-97-6	Mercury	3.00			CV	
7440-02-0	Nickel	13.60	U		P	
7440-09-7	Potassium	7680.00			P	
7782-49-2	Selenium	1.91	U	W	F	
7440-22-4	Silver	5.85	U		P	
7440-23-5	Sodium	5260.00			P	
7440-28-0	Thallium	3.82	~~U~~	~~N~~	F	UJ
7440-62-2	Vanadium	27.60	B		P	
7440-66-6	Zinc	282.00			P	
	Cyanide	4.96	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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FORM I - IN 03/90

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YJ7

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851613

Level (low/med): LOW Date Received: 8/06/93

% Solids: 43.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16.40	B		P	
7440-36-0	Antimony	20.60	U		P	
7440-38-2	Arsenic	.92	U		F	
7440-39-3	Barium	25.60	B		P	
7440-41-7	Beryllium	.44	U		P	
7440-43-9	Cadmium	2.19	U		P	
7440-70-2	Calcium	2030.00	B		P	
7440-47-3	Chromium	2.19	U		P	
7440-48-4	Cobalt	3.50	U		P	
7440-50-8	Copper	7.00	B		P	
7439-89-6	Iron	52.90		*	P	J
7439-92-1	Lead	.92	U	N	F	UJ
7439-95-4	Magnesium	688.00	B		P	
7439-96-5	Manganese	70.80			P	
7439-97-6	Mercury	.12	U		CV	
7440-02-0	Nickel	6.12	U		P	
7440-09-7	Potassium	10200.00			P	
7782-49-2	Selenium	.92	U	W	F	
7440-22-4	Silver	2.62	U		P	
7440-23-5	Sodium	274.00	B		P	
7440-28-0	Thallium	1.84	U	N	F	UJ
7440-62-2	Vanadium	6.80	B		P	U
7440-66-6	Zinc	18.70			P	
	Cyanide	2.32	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified 9/9/93

FORM I - IN 03/90

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YJ8

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP516

Matrix (soil/water): SOIL Lab Sample ID: 930851614

Level (low/med): LOW Date Received: 8/06/93

% Solids: 61.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	71.00			P	
7440-36-0	Antimony	14.60	U		P	
7440-38-2	Arsenic	.72	B	W	F	
7440-39-3	Barium	27.80	B		P	
7440-41-7	Beryllium	.59	B		P	
7440-43-9	Cadmium	1.70			P	
7440-70-2	Calcium	23300.00			P	
7440-47-3	Chromium	1.55	U		P	
7440-48-4	Cobalt	2.48	U		P	
7440-50-8	Copper	5.40	B		P	
7439-89-6	Iron	171.00		*	P	J
7439-92-1	Lead	.63	U	~~N~~	F	UJ
7439-95-4	Magnesium	6890.00			P	
7439-96-5	Manganese	106.00			P	
7439-97-6	Mercury	.08	U		CV	
7440-02-0	Nickel	4.34	U		P	
7440-09-7	Potassium	4150.00			P	
7782-49-2	Selenium	.63	U	W	F	
7440-22-4	Silver	1.86	U		P	
7440-23-5	Sodium	57.30	~~B~~		P	U
7440-28-0	Thallium	1.25	U	~~NW~~	F	UJ
7440-62-2	Vanadium	7.50	~~B~~		P	U
7440-66-6	Zinc	101.00			P	
	Cyanide	1.63	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YJ9

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978301

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	72.70			P	
7440-36-0	Antimony	4.14	U		P	
7440-38-2	Arsenic	.18	~~U~~	NW	F	UJ
7440-39-3	Barium	1.20	B		P	
7440-41-7	Beryllium	.09	U		P	
7440-43-9	Cadmium	.45	U		P	
7440-70-2	Calcium	1040.00		E	P	J
7440-47-3	Chromium	1.60			P	U
7440-48-4	Cobalt	.63	U		P	
7440-50-8	Copper	41.90		NE	P	UJ
7439-89-6	Iron	155.00		E	P	J
7439-92-1	Lead	1.30		NS	F	J
7439-95-4	Magnesium	166.00	B		P	
7439-96-5	Manganese	3.00			P	
7439-97-6	Mercury	.05	~~U~~		CV	UR
7440-02-0	Nickel	1.08	U		P	
7440-09-7	Potassium	3140.00			P	
7782-49-2	Selenium	.27	~~B~~	W	F	BJ
7440-22-4	Silver	.63	~~U~~		P	UJ
7440-23-5	Sodium	1310.00			P	
7440-28-0	Thallium	.18	U		F	
7440-62-2	Vanadium	.54	B		P	
7440-66-6	Zinc	23.50		E	P	UJ
	Cyanide	.36	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified: RS 2-2-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YK0

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978302

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	233.00			P	
7440-36-0	Antimony	3.54	U		P	
7440-38-2	Arsenic	.15	~~U~~	NW	F	UJ
7440-39-3	Barium	1.60	B		P	
7440-41-7	Beryllium	.08	U		P	
7440-43-9	Cadmium	.38	U		P	
7440-70-2	Calcium	3330.00		E	P	J
7440-47-3	Chromium	1.00			P	U
7440-48-4	Cobalt	.54	U		P	
7440-50-8	Copper	39.40		NE	P	UJ
7439-89-6	Iron	121.00		E	P	J
7439-92-1	Lead	.17	~~B~~	NW	F	BJ
7439-95-4	Magnesium	207.00	B		P	
7439-96-5	Manganese	5.00			P	
7439-97-6	Mercury	.04	~~U~~		CV	UR
7440-02-0	Nickel	1.40	~~B~~		P	U
7440-09-7	Potassium	2770.00			P	
7782-49-2	Selenium	.15	U		F	
7440-22-4	Silver	.54	~~U~~		P	UJ RS 1-31-94
7440-23-5	Sodium	1050.00			P	
7440-28-0	Thallium	.15	U		F	
7440-62-2	Vanadium	.23	U		P	
7440-66-6	Zinc	19.00		E	P	UJ
	Cyanide	.31	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

Verified: RS 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YK1

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978303

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	29.10			P	~~U~~ J 1-31-94
7440-36-0	Antimony	2.77	U		P	
7440-38-2	Arsenic	.12	~~U~~	NW	F	UJ
7440-39-3	Barium	1.30	B		P	
7440-41-7	Beryllium	.06	U		P	
7440-43-9	Cadmium	1.00			P	
7440-70-2	Calcium	6280.00		E	P	J
7440-47-3	Chromium	.87			P	U
7440-48-4	Cobalt	.42	U		P	
7440-50-8	Copper	15.10		NE	P	UJ
7439-89-6	Iron	73.60		E	P	J
7439-92-1	Lead	.12	~~U~~	NW	F	UJ
7439-95-4	Magnesium	329.00			P	
7439-96-5	Manganese	2.10			P	
7439-97-6	Mercury	.43			CV	J
7440-02-0	Nickel	~~0.45~~ .72	U		P	OK 1-26
7440-09-7	Potassium	2510.00			P	
7782-49-2	Selenium	.49		S	F	
7440-22-4	Silver	.42	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	963.00			P	
7440-28-0	Thallium	.12	U		F	
7440-62-2	Vanadium	.20	B		P	
7440-66-6	Zinc	25.20		E	P	UJ
	Cyanide	.24	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

Verified: 1-28-94

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YK2

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978304

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	47.90			P	
7440-36-0	Antimony	3.11	U		P	
7440-38-2	Arsenic	.13	~~U~~	NW	F	UJ
7440-39-3	Barium	.99	B		P	
7440-41-7	Beryllium	.07	U		P	
7440-43-9	Cadmium	.34	U		P	
7440-70-2	Calcium	2930.00		E	P	J
7440-47-3	Chromium	.41	U		P	
7440-48-4	Cobalt	.47	U	E	P	
7440-50-8	Copper	8.80		N	P	UJ
7439-89-6	Iron	65.50		E	P	J
7439-92-1	Lead	.13	~~U~~	NW	F	UJ
7439-95-4	Magnesium	298.00	B		P	
7439-96-5	Manganese	2.50			P	
7439-97-6	Mercury	.04	~~B~~		CV	BJ
7440-02-0	Nickel	.81	U		P	
7440-09-7	Potassium	2580.00			P	
7782-49-2	Selenium	.22	B		F	
7440-22-4	Silver	.47	~~U~~		P	UJ RS 1-31-94
7440-23-5	Sodium	982.00			P	
7440-28-0	Thallium	.13	U		F	
7440-62-2	Vanadium	.20	U		P	
7440-66-6	Zinc	14.10		E	P	UJ
	Cyanide	.27	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

Verified: RS 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YK3

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978305

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	714.20			P	
7440-36-0	Antimony	3.41			P	
7440-38-2	Arsenic	.15	~~U~~	NW	F	UJ
7440-39-3	Barium	5.30	B		P	
7440-41-7	Beryllium	.07	U		P	
7440-43-9	Cadmium	.37	U		P	
7440-70-2	Calcium	9010.60		E	P	J
7440-47-3	Chromium	1.38			P	U
7440-48-4	Cobalt	.51	U		P	
7440-50-8	Copper	15.17		NE	P	UJ
7439-89-6	Iron	176.06		E	P	J
7439-92-1	Lead	.21	~~B~~	NW	F	BJ
7439-95-4	Magnesium	550.49			P	
7439-96-5	Manganese	16.05			P	
7439-97-6	Mercury	.04	~~U~~		CV	UR
7440-02-0	Nickel	.88	U		P	
7440-09-7	Potassium	3113.68			P	
7782-49-2	Selenium	.15	B		F	
7440-22-4	Silver	.51	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	1288.60			P	
7440-28-0	Thallium	0.15 ~~0.00~~	U		F	1-26-94
7440-62-2	Vanadium	.22	U		P	
7440-66-6	Zinc	28.94		E	P	UJ
	Cyanide	.30	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YK4

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978306

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	140.00			P	
7440-36-0	Antimony	3.07	U		P	
7440-38-2	Arsenic	.13	~~U~~	NW	F	UJ
7440-39-3	Barium	2.90	B		P	
7440-41-7	Beryllium	.07	U		P	
7440-43-9	Cadmium	.33	U		P	
7440-70-2	Calcium	5860.00		E	P	J
7440-47-3	Chromium	1.20			P	U
7440-48-4	Cobalt	.47	U	E	P	
7440-50-8	Copper	17.30		N	P	UJ
7439-89-6	Iron	161.00		E	P	J
7439-92-1	Lead	.13	~~U~~	NW	F	UJ
7439-95-4	Magnesium	386.00			P	
7439-96-5	Manganese	6.80			P	
7439-97-6	Mercury	.03	~~U~~		CV	UR
7440-02-0	Nickel	.91	~~B~~		P	U
7440-09-7	Potassium	2680.00			P	
7782-49-2	Selenium	.22	~~B~~	W	F	BJ
7440-22-4	Silver	.47	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	1160.00			P	
7440-28-0	Thallium	.13	U		F	
7440-62-2	Vanadium	.27	B		P	
7440-66-6	Zinc	24.60		E	P	UJ
	Cyanide	.27	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YK5

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978307

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	346.00			P	
7440-36-0	Antimony	2.66	U		P	
7440-38-2	Arsenic	.12	~~B~~	NW	F	BJ
7440-39-3	Barium	2.20	B		P	
7440-41-7	Beryllium	.06	U		P	
7440-43-9	Cadmium	.29	U		P	
7440-70-2	Calcium	5130.00		E	P	J
7440-47-3	Chromium	.95			P	U
7440-48-4	Cobalt	.40	U		P	
7440-50-8	Copper	19.80		NE	P	UJ
7439-89-6	Iron	160.00		E	P	J
7439-92-1	Lead	.17	~~B~~	NW	F	BJ
7439-95-4	Magnesium	317.00			P	
7439-96-5	Manganese	7.60			P	
7439-97-6	Mercury	.03	~~U~~		CV	UR
7440-02-0	Nickel	.69	U		P	
7440-09-7	Potassium	2270.00			P	
7782-49-2	Selenium	.19	~~B~~	W	F	BJ
7440-22-4	Silver	.40	~~U~~		P	UJ
7440-23-5	Sodium	956.00			P	
7440-28-0	Thallium	.12	U		F	
7440-62-2	Vanadium	.32	B		P	
7440-66-6	Zinc	21.10		E	P	UJ
	Cyanide	.36			C	J

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified: FS 2-2-94

FORM I - IN 03/90

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YK6

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978308

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	87.40			P	
7440-36-0	Antimony	2.81	U		P	
7440-38-2	Arsenic	.12	~~U~~	NW	F	UJ
7440-39-3	Barium	3.20	B		P	
7440-41-7	Beryllium	.06	U		P	
7440-43-9	Cadmium	.31	U		P	
7440-70-2	Calcium	6780.00		E	P	J
7440-47-3	Chromium	2.20			P	U
7440-48-4	Cobalt	.43	U		P	
7440-50-8	Copper	43.00		NE	P	UJ
7439-89-6	Iron	248.00		E	P	J
7439-92-1	Lead	.12	~~U~~	NW	F	J
7439-95-4	Magnesium	445.00			P	
7439-96-5	Manganese	7.20			P	
7439-97-6	Mercury	.03	~~U~~		CV	UR
7440-02-0	Nickel	1.30	~~B~~		P	U
7440-09-7	Potassium	3100.00			P	
7782-49-2	Selenium	.13	B		F	
7440-22-4	Silver	.43	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	1330.00			P	
7440-28-0	Thallium	.12	U		F	
7440-62-2	Vanadium	.43	B		P	
7440-66-6	Zinc	29.20		E	P	UJ
	Cyanide	1.24			C	J

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YK7

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978309

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	401.00			P	
7440-36-0	Antimony	3.46	U		P	
7440-38-2	Arsenic	.15	~~U~~	NW	F	UJ
7440-39-3	Barium	2.90	B		P	
7440-41-7	Beryllium	.08	U		P	
7440-43-9	Cadmium	.38	U		P	
7440-70-2	Calcium	4420.00		E	P	J
7440-47-3	Chromium	1.80			P	U
7440-48-4	Cobalt	.53	U		P	
7440-50-8	Copper	23.30		NE	P	UJ
7439-89-6	Iron	183.00		E	P	J
7439-92-1	Lead	.15	~~U~~	NW	F	UJ
7439-95-4	Magnesium	481.00			P	
7439-96-5	Manganese	12.60			P	
7439-97-6	Mercury	.04	~~U~~		CV	UR
7440-02-0	Nickel	.92	~~B~~		P	U
7440-09-7	Potassium	3170.00			P	
7782-49-2	Selenium	.20	B		F	
7440-22-4	Silver	.53	~~U~~		P	UJ RE 1-31-94
7440-23-5	Sodium	989.00			P	
7440-28-0	Thallium	.15	U		F	
7440-62-2	Vanadium	.23	U		P	
7440-66-6	Zinc	22.70		E	P	UJ
	Cyanide	.30	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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Verified: RE 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YK8

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978310

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	284.00			P	
7440-36-0	Antimony	3.34	U		P	
7440-38-2	Arsenic	.14	~~U~~	NW	F	UJ
7440-39-3	Barium	3.00	B		P	
7440-41-7	Beryllium	.07	U		P	
7440-43-9	Cadmium	.36	U		P	
7440-70-2	Calcium	7310.00		E	P	J
7440-47-3	Chromium	1.60			P	U
7440-48-4	Cobalt	.51	U		P	
7440-50-8	Copper	28.00		NE	P	UJ
7439-89-6	Iron	186.00		E	P	J
7439-92-1	Lead	.14	~~U~~	NW	F	UJ
7439-95-4	Magnesium	356.00	B		P	
7439-96-5	Manganese	6.10			P	
7439-97-6	Mercury	.04	~~U~~		CV	UR
7440-02-0	Nickel	.87	U		P	
7440-09-7	Potassium	3080.00			P	
7782-49-2	Selenium	.14	U		F	
7440-22-4	Silver	.51	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	1160.00			P	
7440-28-0	Thallium	.14	U		F	
7440-62-2	Vanadium	.28	B		P	
7440-66-6	Zinc	25.90		E	P	UJ
	Cyanide	2.83			C	J

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YK9

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978311

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	235.00			P	
7440-36-0	Antimony	2.86	U		P	
7440-38-2	Arsenic	.12	~~U~~	NW	F	UJ
7440-39-3	Barium	1.50	B		P	
7440-41-7	Beryllium	.06	U		P	
7440-43-9	Cadmium	.31	U		P	
7440-70-2	Calcium	4090.00		E	P	J
7440-47-3	Chromium	.93			P	U
7440-48-4	Cobalt	.44	U		P	
7440-50-8	Copper	11.30		NE	P	UJ
7439-89-6	Iron	121.00		E	P	J
7439-92-1	Lead	.12	~~U~~	NW	F	UJ
7439-95-4	Magnesium	330.00			P	
7439-96-5	Manganese	5.90			P	
7439-97-6	Mercury	.03	~~U~~		CV	UR
7440-02-0	Nickel	.92	~~B~~		P	U
7440-09-7	Potassium	2640.00			P	
7782-49-2	Selenium	.18	~~B~~	W	F	BJ
7440-22-4	Silver	.44	~~U~~		P	UJ RS 1-31-94
7440-23-5	Sodium	935.00			P	
7440-28-0	Thallium	.12	U		F	
7440-62-2	Vanadium	.19	U		P	
7440-66-6	Zinc	15.40		E	P	UJ
	Cyanide	.25	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YL0

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978312

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	138.00			P	
7440-36-0	Antimony	3.43	U		P	
7440-38-2	Arsenic	.15	~~U~~	NW	F	UJ
7440-39-3	Barium	1.40	B		P	
7440-41-7	Beryllium	.07	U		P	
7440-43-9	Cadmium	.37	U		P	
7440-70-2	Calcium	3020.00		E	P	J
7440-47-3	Chromium	.75			P	U
7440-48-4	Cobalt	.52	U		P	
7440-50-8	Copper	15.50		NE	P	UJ
7439-89-6	Iron	108.00		E	P	J
7439-92-1	Lead	.15	~~U~~	NW	F	UJ
7439-95-4	Magnesium	232.00	B		P	
7439-96-5	Manganese	4.70			P	
7439-97-6	Mercury	.04	~~U~~		CV	UR
7440-02-0	Nickel	1.10	~~B~~		P	U
7440-09-7	Potassium	2220.00			P	
7782-49-2	Selenium	.17	B		F	
7440-22-4	Silver	.52	~~U~~		P	UJ
7440-23-5	Sodium	1010.00			P	
7440-28-0	Thallium	.15	U		F	
7440-62-2	Vanadium	.23	B		P	
7440-66-6	Zinc	17.40		E	P	UJ
	Cyanide	7.66			C	J

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YL1

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978313

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	295.00			P	
7440-36-0	Antimony	2.27	U		P	
7440-38-2	Arsenic	.10	~~U~~	NW	F	UJ
7440-39-3	Barium	2.60	B		P	
7440-41-7	Beryllium	.05	U		P	
7440-43-9	Cadmium	.25	U		P	
7440-70-2	Calcium	10300.00		E	P	J
7440-47-3	Chromium	1.60			P	U
7440-48-4	Cobalt	.34	U		P	
7440-50-8	Copper	26.10		NE	P	UJ
7439-89-6	Iron	299.00		E	P	J
7439-92-1	Lead	.13	~~B~~	NW	F	BJ
7439-95-4	Magnesium	446.00			P	
7439-96-5	Manganese	9.00			P	
7439-97-6	Mercury	.60			CV	J
7440-02-0	Nickel	.88	~~B~~		P	U
7440-09-7	Potassium	2540.00			P	
7782-49-2	Selenium	.25			F	
7440-22-4	Silver	.34	~~U~~		P	UJ RS 1-31-94
7440-23-5	Sodium	1050.00			P	
7440-28-0	Thallium	.10	U		F	
7440-62-2	Vanadium	.59	B		P	
7440-66-6	Zinc	28.30		E	P	~~UJ~~ J RS 2-2-94
	Cyanide	.39			C	J

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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Verified: RS 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YL2

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978314

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	49.60			P	
7440-36-0	Antimony	3.22	U		P	
7440-38-2	Arsenic	.14	~~U~~	NW	F	UJ
7440-39-3	Barium	.89	B		P	
7440-41-7	Beryllium	.07	U		P	
7440-43-9	Cadmium	.35	U		P	
7440-70-2	Calcium	1300.00		E	P	J
7440-47-3	Chromium	1.40			P	U
7440-48-4	Cobalt	.49	U		P	
7440-50-8	Copper	8.60		NE	P	UJ
7439-89-6	Iron	95.60		E	P	J
7439-92-1	Lead	.16	~~B~~	NW	F	BJ
7439-95-4	Magnesium	193.00	B		P	
7439-96-5	Manganese	2.10			P	
7439-97-6	Mercury	.05	~~B~~		CV	BJ
7440-02-0	Nickel	1.00	~~B~~		P	U
7440-09-7	Potassium	2900.00			P	
7782-49-2	Selenium	.20	B		F	
7440-22-4	Silver	.49	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	995.00			P	
7440-28-0	Thallium	.14	U		F	
7440-62-2	Vanadium	.21	U		P	
7440-66-6	Zinc	14.30		E	P	UJ
	Cyanide	.28	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YL3

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978315

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	239.00			P	
7440-36-0	Antimony	3.34	U		P	
7440-38-2	Arsenic	.14	~~U~~	NW	F	UJ
7440-39-3	Barium	2.30	B		P	
7440-41-7	Beryllium	.07	U		P	
7440-43-9	Cadmium	.36	U		P	
7440-70-2	Calcium	9640.00		E	P	J
7440-47-3	Chromium	1.60			P	U
7440-48-4	Cobalt	.51	U		P	
7440-50-8	Copper	21.20		NE	P	UJ
7439-89-6	Iron	251.00		E	P	J
7439-92-1	Lead	.14	~~U~~	NW	F	UJ
7439-95-4	Magnesium	511.00			P	
7439-96-5	Manganese	11.10			P	
7439-97-6	Mercury	.04	~~U~~		CV	UR
7440-02-0	Nickel	1.00	~~B~~		P	U
7440-09-7	Potassium	3040.00			P	
7782-49-2	Selenium	.18	B		F	
7440-22-4	Silver	.51	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	1180.00			P	
7440-28-0	Thallium	.14	U		F	
7440-62-2	Vanadium	.72	B		P	
7440-66-6	Zinc	31.50		E	P	UJ
	Cyanide	.29	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YL4

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978316

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	51.80			P	
7440-36-0	Antimony	2.77	U		P	
7440-38-2	Arsenic	.12	~~U~~	NW	F	UJ
7440-39-3	Barium	.73	B		P	
7440-41-7	Beryllium	.06	U		P	
7440-43-9	Cadmium	.30	U		P	
7440-70-2	Calcium	2170.00		E	P	J
7440-47-3	Chromium	1.00			P	U
7440-48-4	Cobalt	.42	U		P	
7440-50-8	Copper	4.40		NE	P	UJ
7439-89-6	Iron	104.00		E	P	J
7439-92-1	Lead	.12	~~U~~	NW	F	UJ
7439-95-4	Magnesium	176.00	B		P	
7439-96-5	Manganese	2.50			P	
7439-97-6	Mercury	.03	~~U~~		CV	UR
7440-02-0	Nickel	1.40	~~B~~		P	U
7440-09-7	Potassium	2760.00			P	
7782-49-2	Selenium	.13	B		F	
7440-22-4	Silver	.42	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	1040.00			P	
7440-28-0	Thallium	.12	~~U~~	W	F	UJ
7440-62-2	Vanadium	.18	U		P	
7440-66-6	Zinc	15.20		E	P	UJ
	Cyanide	.32			C	J

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YL5

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978317

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	149.00			P	
7440-36-0	Antimony	2.82	U		P	
7440-38-2	Arsenic	.12	~~U~~	NW	F	UJ
7440-39-3	Barium	1.60	B		P	
7440-41-7	Beryllium	.06	U		P	
7440-43-9	Cadmium	.31	U		P	
7440-70-2	Calcium	3690.00		E	P	J
7440-47-3	Chromium	.37	U		P	
7440-48-4	Cobalt	.43	U		P	
7440-50-8	Copper	2.80		NE	P	UJ
7439-89-6	Iron	69.70		E	P	J
7439-92-1	Lead	.13	~~B~~	NW	F	BJ
7439-95-4	Magnesium	200.00	B		P	
7439-96-5	Manganese	3.60			P	
7439-97-6	Mercury	.03	~~U~~		CV	UR
7440-02-0	Nickel	.74	U		P	
7440-09-7	Potassium	1350.00			P	
7782-49-2	Selenium	.22	B	S	F	
7440-22-4	Silver	.43	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	577.00			P	
7440-28-0	Thallium	.12	~~U~~	W	F	UJ
7440-62-2	Vanadium	.18	U		P	
7440-66-6	Zinc	12.70		E	P	UJ
	Cyanide	.90			C	J

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YL6

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978318

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	196.00			P	
7440-36-0	Antimony	2.91	U		P	
7440-38-2	Arsenic	.13	~~U~~	NW	F	UJ
7440-39-3	Barium	4.40	B		P	
7440-41-7	Beryllium	.06	U		P	
7440-43-9	Cadmium	.32	U		P	
7440-70-2	Calcium	7470.00		E	P	J
7440-47-3	Chromium	.79			P	U
7440-48-4	Cobalt	.44	~~U~~		P	UJ 1-31-94
7440-50-8	Copper	3.40		NE	P	UJ
7439-89-6	Iron	121.00		E	P	J
7439-92-1	Lead	.13	~~U~~	NW	F	UJ
7439-95-4	Magnesium	343.00			P	
7439-96-5	Manganese	6.10			P	
7439-97-6	Mercury	.03	~~U~~		CV	UR
7440-02-0	Nickel	.76	~~U~~		P	UJ 2-2-94
7440-09-7	Potassium	2430.00			P	
7782-49-2	Selenium	.26	B		F	
7440-22-4	Silver	.44	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	960.00			P	
7440-28-0	Thallium	.13	~~U~~	W	F	UJ
7440-62-2	Vanadium	.19	~~U~~		P	UJ 1-31-94
7440-66-6	Zinc	23.30		E	P	UJ
	Cyanide	.25	~~U~~		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YL7

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978319

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	163.00			P	
7440-36-0	Antimony	2.51	U		P	
7440-38-2	Arsenic	.11	~~U~~	NW	F	UJ
7440-39-3	Barium	1.50	B		P	
7440-41-7	Beryllium	.05	U		P	
7440-43-9	Cadmium	.27	U		P	
7440-70-2	Calcium	1380.00		E	P	J
7440-47-3	Chromium	1.70			P	U
7440-48-4	Cobalt	.38	U		P	
7440-50-8	Copper	5.60		NE	P	UJ
7439-89-6	Iron	246.00		E	P	J
7439-92-1	Lead	.11	~~U~~	NW	F	UJ
7439-95-4	Magnesium	256.00	B		P	
7439-96-5	Manganese	6.90			P	
7439-97-6	Mercury	.03	~~U~~		CV	UR
7440-02-0	Nickel	1.40	~~B~~		P	U
7440-09-7	Potassium	2540.00			P	
7782-49-2	Selenium	.29		S	F	
7440-22-4	Silver	.38	~~U~~		P	UJ 1-31-94
7440-23-5	Sodium	828.00			P	
7440-28-0	Thallium	.11	~~U~~	W	F	UJ
7440-62-2	Vanadium	.52	B		P	
7440-66-6	Zinc	16.30		E	P	UJ
	Cyanide	2.04			C	J

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

Verified: 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YL8

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP783

Matrix (soil/water): SOIL Lab Sample ID: 930978320

Level (low/med): LOW Date Received: 9/02/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	250.00			P	
7440-36-0	Antimony	2.99	U		P	
7440-38-2	Arsenic	.13	~~U~~	NW	F	UJ
7440-39-3	Barium	1.00	B		P	
7440-41-7	Beryllium	.06	U		P	
7440-43-9	Cadmium	.32	U		P	
7440-70-2	Calcium	5310.00		E	P	J
7440-47-3	Chromium	.42	~~B~~		P	U
7440-48-4	Cobalt	.45	U		P	
7440-50-8	Copper	5.80		NE	P	UJ
7439-89-6	Iron	92.50		E	P	J
7439-92-1	Lead	.13	~~U~~	NW	F	UJ
7439-95-4	Magnesium	340.00			P	
7439-96-5	Manganese	6.80			P	
7439-97-6	Mercury	.03	~~U~~		CV	UR
7440-02-0	Nickel	.78	U		P	
7440-09-7	Potassium	2400.00			P	
7782-49-2	Selenium	.22	B		F	
7440-22-4	Silver	.45	~~U~~		P	UJ RS 1-31-94
7440-23-5	Sodium	908.00			P	
7440-28-0	Thallium	.13	~~U~~	W	F	UJ
7440-62-2	Vanadium	.19	U		P	
7440-66-6	Zinc	21.30		E	P	UJ
	Cyanide	1.28			C	J

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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Verified: RS 1-28-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YL9

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP039

Matrix (soil/water): SOIL Lab Sample ID: 930903901

Level (low/med): LOW Date Received: 9/23/93

% Solids: 80.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	8.20	~~B~~		P	U
7440-36-0	Antimony	4.94	U		P	
7440-38-2	Arsenic	.48	~~U~~	NW	F	UJ
7440-39-3	Barium	33.20	B		P	
7440-41-7	Beryllium	.25	U		P	
7440-43-9	Cadmium	.49	U		P	
7440-70-2	Calcium	1500.00			P	
7440-47-3	Chromium	.74	U		P	
7440-48-4	Cobalt	1.60	~~B~~		P	U
7440-50-8	Copper	1.50	~~B~~		P	U
7439-89-6	Iron	32.50			P	
7439-92-1	Lead	.48	~~U~~	NW	F	UJ
7439-95-4	Magnesium	945.00	~~B~~	E	P	BJ
7439-96-5	Manganese	188.00		*	P	J
7439-97-6	Mercury	.06	~~U~~		CV	UJ
7440-02-0	Nickel	2.80	~~B~~		P	U
7440-09-7	Potassium	15600.00			P	
7782-49-2	Selenium	.48	~~U~~	N	F	UJ
7440-22-4	Silver	.74	U		P	
7440-23-5	Sodium	1740.00		E	P	J
7440-28-0	Thallium	.48	~~U~~	N	F	UJ
7440-62-2	Vanadium	5.50	~~B~~		P	U
7440-66-6	Zinc	8.50			P	
	Cyanide	1.00	~~U~~		C	UJ

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

Verified: RB 1-25-94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
Saddle Lake
B08YM0
Cheatgrass

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP885

Matrix (soil/water): SOIL Lab Sample ID: 930988502

Level (low/med): LOW Date Received: 9/11/93

% Solids: 94.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	147.00		*	P
7440-36-0	Antimony	9.69	U	N	P
7440-38-2	Arsenic	.63	U	NW	F
7440-39-3	Barium	20.60	B	N	P
7440-41-7	Beryllium	.21	U	N	P
7440-43-9	Cadmium	1.05	U	N	P
7440-70-2	Calcium	2210.00			P
7440-47-3	Chromium	1.26	U	N	P
7440-48-4	Cobalt	1.47	U	N	P
7440-50-8	Copper	3.70	B	N	P
7439-89-6	Iron	349.00		*	P
7439-92-1	Lead	.63	U	W*	F
7439-95-4	Magnesium	635.00	B		P
7439-96-5	Manganese	38.20		N	P
7439-97-6	Mercury	.05	U		CV
7440-02-0	Nickel	2.53	U	N	P
7440-09-7	Potassium	1890.00			P
7782-49-2	Selenium	.42	U	W	F
7440-22-4	Silver	1.47	U	N	P
7440-23-5	Sodium	50.60	B		P
7440-28-0	Thallium	.42	U		F
7440-62-2	Vanadium	.63	U	N	P
7440-66-6	Zinc	11.50		N	P
	Cyanide	1.06	U		C

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YM1
Saddle Lake
Willow

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP885

Matrix (soil/water): SOIL Lab Sample ID: 930988503

Level (low/med): LOW Date Received: 9/11/93

% Solids: 75.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	82.90		*	P	
7440-36-0	Antimony	12.20	U	N	P	
7440-38-2	Arsenic	.79	U	NW	F	
7440-39-3	Barium	16.80	B	N	P	
7440-41-7	Beryllium	.26	U	N	P	
7440-43-9	Cadmium	1.32	U	N	P	
7440-70-2	Calcium	10200.00			P	
7440-47-3	Chromium	1.59	U	N	P	
7440-48-4	Cobalt	1.85	U	N	P	
7440-50-8	Copper	2.40	B	N	P	
7439-89-6	Iron	170.00		*	P	
7439-92-1	Lead	.79	U	W*	F	
7439-95-4	Magnesium	3530.00			P	
7439-96-5	Manganese	26.90		N	P	
7439-97-6	Mercury	.07	U		CV	
7440-02-0	Nickel	3.18	U	N	P	
7440-09-7	Potassium	8700.00			P	
7782-49-2	Selenium	.53	U		F	
7440-22-4	Silver	1.85	U	N	P	
7440-23-5	Sodium	44.50	B		P	
7440-28-0	Thallium	.53	U		F	
7440-62-2	Vanadium	.90	B	N	P	
7440-66-6	Zinc	35.10		N	P	
	Cyanide	1.33	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YM2
Saddle Lake Cattail

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP885

Matrix (soil/water): SOIL Lab Sample ID: 930988504

Level (low/med): LOW Date Received: 9/11/93

% Solids: 40.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	47.60	~~B~~	*	P	B
7440-36-0	Antimony	22.60	~~U~~	N	P	U
7440-38-2	Arsenic	1.47	~~U~~	N	F	U
7440-39-3	Barium	8.90	~~B~~	N	P	U
7440-41-7	Beryllium	.49	~~U~~	N	P	U
7440-43-9	Cadmium	2.46	~~U~~	N	P	U
7440-70-2	Calcium	3810.00			P	
7440-47-3	Chromium	2.95	~~U~~	N	P	U
7440-48-4	Cobalt	3.44	~~U~~	N	P	U
7440-50-8	Copper	3.44	~~U~~	N	P	U
7439-89-6	Iron	117.00		*	P	B
7439-92-1	Lead	1.47	~~U~~	W*	F	U
7439-95-4	Magnesium	1590.00	B		P	
7439-96-5	Manganese	33.80		N	P	B
7439-97-6	Mercury	.12	U		CV	
7440-02-0	Nickel	5.90	~~U~~	N	P	U
7440-09-7	Potassium	13200.00			P	
7782-49-2	Selenium	.98	U		F	
7440-22-4	Silver	3.44	~~U~~	N	P	U
7440-23-5	Sodium	378.00	B		P	
7440-28-0	Thallium	.98	~~U~~		F	U
7440-62-2	Vanadium	1.47	~~U~~	N	P	U
7440-66-6	Zinc	18.50		N	P	B
	Cyanide	2.47	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YM3
Saddle Lake
Russian-this

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP885

Matrix (soil/water): SOIL Lab Sample ID: 930988505

Level (low/med): LOW Date Received: 9/11/93

% Solids: 83.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15.60	~~B~~	*	P	
7440-36-0	Antimony	11.00	~~U~~	N	P	
7440-38-2	Arsenic	.72	~~U~~	NW	F	
7440-39-3	Barium	6.60	~~B~~	N	P	
7440-41-7	Beryllium	.24	~~U~~	N	P	
7440-43-9	Cadmium	1.19	~~U~~	N	P	
7440-70-2	Calcium	7300.00			P	
7440-47-3	Chromium	1.43	~~U~~	N	P	
7440-48-4	Cobalt	1.67	~~U~~	N	P	
7440-50-8	Copper	3.50	~~B~~	N	P	
7439-89-6	Iron	49.00	—	*	P	
7439-92-1	Lead	.72	~~U~~	W*	F	
7439-95-4	Magnesium	2380.00			P	
7439-96-5	Manganese	49.60	—	N	P	
7439-97-6	Mercury	.06	U		CV	
7440-02-0	Nickel	2.86	~~U~~	N	P	
7440-09-7	Potassium	30800.00			P	
7782-49-2	Selenium	.48	U		F	
7440-22-4	Silver	1.67	~~U~~	N	P	
7440-23-5	Sodium	41.60	~~B~~		P	
7440-28-0	Thallium	.48	~~U~~		F	
7440-62-2	Vanadium	.72	~~U~~	N	P	
7440-66-6	Zinc	10.20	—	N	P	
	Cyanide	1.20	U		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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Verified 2/21/94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YM4

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP887

Matrix (soil/water): SOIL Lab Sample ID: 930988701

Level (low/med): LOW Date Received: 9/11/93

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	Q
7429-90-5	Aluminum	5100.00			P	
7440-36-0	Antimony	9.20	U		P	
7440-38-2	Arsenic	.92	B	N	F	
7440-39-3	Barium	55.90			P	
7440-41-7	Beryllium	.30	B		P	
7440-43-9	Cadmium	1.00	U		P	
7440-70-2	Calcium	2540.00		*E	P	
7440-47-3	Chromium	8.40		*	P	
7440-48-4	Cobalt	7.50	B		P	
7440-50-8	Copper	8.60			P	
7439-89-6	Iron	13700.00		*E	P	
7439-92-1	Lead	3.60		N	F	
7439-95-4	Magnesium	3460.00		E	P	
7439-96-5	Manganese	244.00			P	
7439-97-6	Mercury	.05	U		CV	
7440-02-0	Nickel	11.50			P	
7440-09-7	Potassium	1270.00		E	P	
7782-49-2	Selenium	0.40 ~~0.20~~ ~~.40~~	~~U~~	NW	F	UJ
7440-22-4	Silver	9/28/94 1.40	U	N	P	
7440-23-5	Sodium	127.00	B	*E	P	
7440-28-0	Thallium	.40	U	N*	F	
7440-62-2	Vanadium	23.30		*	P	
7440-66-6	Zinc	32.00		N*E	P	J
	Cyanide	1.00	U		C	UR

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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Verified 10/27/94

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YM5

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP887

Matrix (soil/water): SOIL Lab Sample ID: 930988702

Level (low/med): LOW Date Received: 9/11/93

% Solids: ~~91.6~~ 99.6 1/26/94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	Q
7429-90-5	Aluminum	6360 ~~6930.00~~			P	
7440-36-0	Antimony	9.2 ~~10.00~~	U		P	
7440-38-2	Arsenic	1.10 ~~1.20~~	B	N	F	
7440-39-3	Barium	61.90 ~~67.40~~			P	
7440-41-7	Beryllium	0.44 ~~.48~~	B		P	
7440-43-9	Cadmium	1.00 ~~1.09~~	U		P	
7440-70-2	Calcium	5234 ~~5700.00~~		*E	P	
7440-47-3	Chromium	11.50 ~~12.50~~		*	P	
7440-48-4	Cobalt	8.50 ~~9.20~~	B		P	
7440-50-8	Copper	9.00 ~~9.80~~			P	
7439-89-6	Iron	18000 ~~19600.00~~		*E	P	
7439-92-1	Lead	3.70 ~~4.00~~		N	F	
7439-95-4	Magnesium	4430 ~~4820.00~~		E	P	
7439-96-5	Manganese	274 ~~298.00~~			P	
7439-97-6	Mercury	.05	U		CV	
7440-02-0	Nickel	9.90 ~~10.70~~			P	
7440-09-7	Potassium	1600 ~~1750.00~~		E	P	
7782-49-2	Selenium	~~0.20~~ ~~0.20~~ ~~0.43~~	~~U~~	NW	F	
7440-22-4	Silver	1.40 ~~1.52~~	U	N	P	
7440-23-5	Sodium	240 ~~262.00~~	B	*E	P	
7440-28-0	Thallium	0.40 ~~.43~~	U	N*	F	
7440-62-2	Vanadium	35.70 ~~38.90~~		*	P	
7440-66-6	Zinc	36.60 ~~39.90~~		N*E	P	
	Cyanide	1.00 ~~1.09~~	~~U~~		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YM6

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP887

Matrix (soil/water): SOIL Lab Sample ID: 930988703

Level (low/med): LOW Date Received: 9/11/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	Q
7429-90-5	Aluminum	15.70	—		P	N
7440-36-0	Antimony	2.51	U		P	
7440-38-2	Arsenic	0.11 ~~0.05~~ ~~5.11~~	~~U~~	NW	F	N
7440-39-3	Barium	2.10	B		P	
7440-41-7	Beryllium	.05	U		P	
7440-43-9	Cadmium	.27	U		P	
7440-70-2	Calcium	10300.00	—	*E	P	N
7440-47-3	Chromium	.57	—	*	P	N
7440-48-4	Cobalt	.38	U		P	
7440-50-8	Copper	3.20	—		P	N
7439-89-6	Iron	79.80	—	*E	P	N
7439-92-1	Lead	.11	~~U~~	NW	F	N
7439-95-4	Magnesium	519.00	—	E	P	
7439-96-5	Manganese	4.50			P	
7439-97-6	Mercury	0.03 ~~0.05~~ ~~.03~~	~~U~~		CV	N
7440-02-0	Nickel	.92	~~B~~		P	N
7440-09-7	Potassium	2910.00	—	E	P	N
7782-49-2	Selenium	.29		N	F	
7440-22-4	Silver	.38	~~U~~	N	P	N
7440-23-5	Sodium	1190.00	—	*E	P	N
7440-28-0	Thallium	.11	~~U~~	N*	F	N
7440-62-2	Vanadium	.16	U		P	
7440-66-6	Zinc	33.70	—	N*E	P	N
	Cyanide	.22	~~U~~		C	N

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

1/27/94

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U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YM7

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP887

Matrix (soil/water): SOIL Lab Sample ID: 930988704

Level (low/med): LOW Date Received: 9/11/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	Q
7429-90-5	Aluminum	16.50	—		P	N
7440-36-0	Antimony	2.43	U		P	
7440-38-2	Arsenic	0.11 ~~.11~~	~~U~~	NW	F	W
7440-39-3	Barium	1.40	B		P	
7440-41-7	Beryllium	.05	U		P	
7440-43-9	Cadmium	.26	U		P	
7440-70-2	Calcium	6500.00	—	*E	P	N
7440-47-3	Chromium	.38	~~B~~	*	P	N
7440-48-4	Cobalt	.37	U		P	
7440-50-8	Copper	3.10	—		P	N
7439-89-6	Iron	66.20	—	*E	P	N
7439-92-1	Lead	.15	~~B~~	NW	F	N
7439-95-4	Magnesium	306.00	—	E	P	N
7439-96-5	Manganese	3.60			P	N
7439-97-6	Mercury	0.03 ~~.03~~	~~U~~		CV	W
7440-02-0	Nickel	.63	U		P	
7440-09-7	Potassium	2490.00	—	E	P	N
7782-49-2	Selenium	.26	B	NS	F	
7440-22-4	Silver	.37	~~U~~	N	P	N
7440-23-5	Sodium	920.00	—	*E	P	N
7440-28-0	Thallium	.11	~~U~~	NW*	F	N
7440-62-2	Vanadium	.16	U		P	
7440-66-6	Zinc	25.40	—	*NE	P	N
	Cyanide	.21	~~U~~		C	W

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

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U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YM8

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP887

Matrix (soil/water): SOIL Lab Sample ID: 930988705

Level (low/med): LOW Date Received: 9/11/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	Q
7429-90-5	Aluminum	730.00			P	
7440-36-0	Antimony	3.80	U		P	
7440-38-2	Arsenic	0.17 ~~0.08~~ ~~.17~~	~~U~~	NW	F	
7440-39-3	Barium	6.20	B		P	
7440-41-7	Beryllium	.08	U		P	
7440-43-9	Cadmium	.41	U		P	
7440-70-2	Calcium	10900.00	—	*E	P	
7440-47-3	Chromium	1.00	—	*	P	
7440-48-4	Cobalt	.58	U		P	
7440-50-8	Copper	7.40	—		P	
7439-89-6	Iron	124.00	—	*E	P	
7439-92-1	Lead	.17	~~U~~	NW	F	
7439-95-4	Magnesium	487.00	—	E	P	
7439-96-5	Manganese	12.80			P	
7439-97-6	Mercury	0.04 ~~0.05~~ ~~.04~~	~~U~~		CV	
7440-02-0	Nickel	.99	U		P	
7440-09-7	Potassium	2280.00	—	E	P	
7782-49-2	Selenium	.17	U	N	F	
7440-22-4	Silver	.58	~~U~~	N	P	
7440-23-5	Sodium	1130.00	—	*E	P	
7440-28-0	Thallium	.17	~~U~~	N*	F	
7440-62-2	Vanadium	.25	U		P	
7440-66-6	Zinc	30.80	—	*NE	P	
	Cyanide	.33	~~U~~		C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08YM9

Lab Name: ROY F. WESTON, INC - L372 Contract: 6168-02-01

Lab Code: WESTON Case No.: WEST SAS No.: SDG No.: CLP887

Matrix (soil/water): SOIL Lab Sample ID: 930988706

Level (low/med): LOW Date Received: 9/11/93

% Solids:

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	R
7429-90-5	Aluminum	16.00			P	
7440-36-0	Antimony	3.03	U		P	
7440-38-2	Arsenic	0.13 ~~0.07~~ ~~.13~~	~~U~~	NW	F	
7440-39-3	Barium	.39	U		P	
7440-41-7	Beryllium	.07	U		P	
7440-43-9	Cadmium	.33	U		P	
7440-70-2	Calcium	810.00		*E	P	
7440-47-3	Chromium	.45	~~B~~	*	P	
7440-48-4	Cobalt	.46	U		P	
7440-50-8	Copper	1.30	~~B~~		P	
7439-89-6	Iron	36.70		*E	P	
7439-92-1	Lead	.13	~~U~~	NW	F	
7439-95-4	Magnesium	276.00	~~B~~	E	P	
7439-96-5	Manganese	1.10			P	
7439-97-6	Mercury	0.03 ~~0.05~~ ~~.03~~	U		CV	
7440-02-0	Nickel	1.20	~~B~~		P	
7440-09-7	Potassium	2560.00		E	P	
7782-49-2	Selenium	.16	B	N	F	
7440-22-4	Silver	.46	~~U~~	N	P	
7440-23-5	Sodium	986.00		*E	P	
7440-28-0	Thallium	.13	~~U~~	N*	F	
7440-62-2	Vanadium	.20	U		P	
7440-66-6	Zinc	6.40		*NE	P	
	Cyanide	.69			C	

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

FORM I - IN 03/90

1/27/94

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APPENDIX C

RADIOCHEMISTRY VALIDATED DATA SUMMARY

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Parameter	Samp# / Date / Location / Type / Units	B08YF7 7-30-93 216-U-11 S. WHEATGRASS Result	Q	B08YF8 7-30-93 216-U-11 SOIL Result	Q	B08YF9 7-30-93 216-U-11 S. WHEATGRASS Result	Q	B08YG0 7-30-93 216-U-11 SOIL Result	Q	B08YG1 7-30-93 216-U-11 RUSSIAN THIS. Result	Q	B08YG2 7-30-93 216-U-11 SOIL Result	Q
STRONTIUM-90	pCi/g	0.023		0.060	U	0.020	U	0.050	U	0.220		0.067	
TECHNETIUM-99	pCi/g	0.400	U	0.800	U	0.700	UJ	1.000	U	0.600	UJ	1.000	U
BERYLLIUM-7	pCi/g	2.020		0.300	UJ	2.350		0.300	UJ	0.700	UJ	0.300	UJ
POTASSIUM-40	pCi/g	4.180		18.000	J	4.520		19.100	J	47.100	J	17.000	J
MANGANESE-54	pCi/g	0.040	U	0.040	UJ	0.040	U	0.040	UJ	0.060	UJ	0.040	UJ
COBALT-58	pCi/g	0.050	U	0.040	UJ	0.070	U	0.040	UJ	0.090	UJ	0.040	UJ
IRON-59	pCi/g	0.100	U	0.100	UJ	0.200	U	0.090	UJ	0.200	UJ	0.090	UJ
COBALT-60	pCi/g	0.030	U	0.030	UJ	0.040	U	0.030	UJ	0.070	UJ	0.030	UJ
ZINC-65	pCi/g	0.090	U	0.080	UJ	0.090	U	0.080	UJ	0.200	UJ	0.070	UJ
ZIRCONIUM-95	pCi/g	0.060	U	0.040	UJ	0.070	U	0.050	UJ	0.080	UJ	0.040	UJ
RUTHENIUM-103	pCi/g	0.070	U	0.040	UJ	0.090	U	0.040	UJ	0.090	UJ	0.040	UJ
RUTHENIUM-106	pCi/g	0.500	U	0.300	UJ	0.400	U	0.300	UJ	0.600	UJ	0.300	UJ
IODINE-131	pCi/g	0.500	U	0.200	UJ	4.000	U	0.200	UJ	0.800	UJ	0.200	UJ
CESIUM-134	pCi/g	0.050	U	0.050	J	0.040	U	0.050	UJ	0.080	UJ	0.048	J
CESIUM-137	pCi/g	0.050	U	0.040	UJ	0.040	U	0.040	UJ	0.060	UJ	0.040	UJ
BARIUM-140	pCi/g	0.200	U	0.100	UJ	0.700	U	0.100	UJ	0.300	UJ	0.080	UJ
CERIUM-141	pCi/g	0.090	U	0.060	UJ	0.100	U	0.060	UJ	0.100	UJ	0.060	UJ
CERIUM-144	pCi/g	0.200	U	0.200	UJ	0.200	U	0.200	UJ	0.300	UJ	0.200	UJ
EUROPIUM-152	pCi/g	0.100	U	0.100	UJ	0.100	U	0.100	UJ	0.200	UJ	0.100	UJ
EUROPIUM-154	pCi/g	0.100	U	0.100	UJ	0.100	U	0.100	UJ	0.300	UJ	0.100	UJ
EUROPIUM-155	pCi/g	0.100	U	0.100	UJ	0.100	U	0.100	UJ	0.200	UJ	0.100	UJ
RADIUM-226	pCi/g	0.800	U	1.320	J	0.800	U	1.340	J	0.900	UJ	1.230	J
THORIUM-228	pCi/g	0.080	U	1.050	J	0.200	J	0.923	J	0.100	UJ	0.857	J
THORIUM-234	pCi/g	0.900	U	1.900	J	0.800	U	1.500	J	1.000	UJ	1.000	J
TOTAL URANIUM	pCi/g	0.900	U	3.890	J	0.800	U	3.040	J	1.000	UJ	2.050	J

	Samp#	B08YG3		B08YG4		B08YG5		B08YG6		B08YG7		B08YG8	
	Date	7-30-93		7-30-93		8-2-93		8-2-93		8-2-93		8-2-93	
	Location	216-U-11		216-U-11		216-B-3		216-B-3		216-B-3		216-B-3	
	Type	RUSSIAN THIS.		SOIL		SOIL		SOIL		SOIL		SOIL	
Parameter	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
STRONTIUM-90	pCi/g	0.077		0.050	U	0.350		0.970		0.640		0.700	
TECHNETIUM-99	pCi/g	0.400	U	0.900	U	0.800	U	0.800	U	0.700	U	0.700	U
BERYLLIUM-7	pCi/g	0.900	U	0.300	UJ	0.300	UJ	0.500	UJ	0.500	UJ	0.400	UJ
POTASSIUM-40	pCi/g	58.000		17.100	J	19.600	J	21.500	J	17.800	J	18.600	J
MANGANESE-54	pCi/g	0.080	U	0.030	UJ	0.040	UJ	0.050	UJ	0.050	UJ	0.040	UJ
COBALT-58	pCi/g	0.090	U	0.040	UJ	0.040	UJ	0.050	UJ	0.050	UJ	0.040	UJ
IRON-59	pCi/g	0.300	U	0.090	UJ	0.090	UJ	0.100	UJ	0.100	UJ	0.090	UJ
COBALT-60	pCi/g	0.080	U	0.030	UJ	0.030	UJ	0.050	UJ	0.040	UJ	0.040	UJ
ZINC-65	pCi/g	0.200	U	0.070	UJ	0.080	UJ	0.100	UJ	0.100	UJ	0.080	UJ
ZIRCONIUM-95	pCi/g	0.100	U	0.040	UJ	0.050	UJ	0.060	UJ	0.060	UJ	0.040	UJ
RUTHENIUM-103	pCi/g	0.100	U	0.040	UJ	0.040	UJ	0.060	UJ	0.060	UJ	0.040	UJ
RUTHENIUM-106	pCi/g	0.700	U	0.300	UJ	0.300	UJ	0.400	UJ	0.400	UJ	0.300	UJ
IODINE-131	pCi/g	0.800	U	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ
CESIUM-134	pCi/g	0.090	U	0.061	J	0.076	J	0.124	J	0.060	UJ	0.067	J
CESIUM-137	pCi/g	0.080	U	0.040	UJ	0.323	J	0.648	J	1.030	J	1.090	J
BARIUM-140	pCi/g	0.300	U	0.090	UJ	0.090	UJ	0.100	UJ	0.090	UJ	0.100	UJ
CERIUM-141	pCi/g	0.200	U	0.060	UJ	0.060	UJ	0.080	UJ	0.080	UJ	0.060	UJ
CERIUM-144	pCi/g	0.400	U	0.200	UJ	0.200	UJ	0.200	UJ	0.300	UJ	0.200	UJ
EUROPIUM-152	pCi/g	0.200	U	0.090	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.100	UJ
EUROPIUM-154	pCi/g	0.400	U	0.100	UJ	0.200	UJ	0.200	UJ	0.100	UJ	0.100	UJ
EUROPIUM-155	pCi/g	0.200	U	0.100	UJ	0.100	UJ	0.200	UJ	0.200	UJ	0.100	UJ
RADIUM-226	pCi/g	1.000	U	1.280	J	1.410	J	1.580	J	1.820	J	1.060	J
THORIUM-228	pCi/g	0.100	U	0.962	J	0.877	J	1.060	J	0.870	J	0.819	J
THORIUM-234	pCi/g	1.000	U	1.100	J	1.300	J	1.500	J	1.600	J	1.800	J
TOTAL URANIUM	pCi/g	1.000	U	2.240	J	2.590	J	3.090	J	3.150	J	3.630	J

Parameter	Samp# / Date / Location / Type	B08YG9 8-2-93 216-B-3 CATTAIL		B08YH0 8-2-93 216-B-3 BULRUSH		B08YH1 8-2-93 216-B-3 CATTAIL		B08YH2 8-2-93 216-B-3 WILLOW		B08YH3 8-2-93 216-A-24 SOIL		B08YH4 8-2-93 216-A-24 SOIL	
	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
STRONTIUM-90	pCi/g	0.076		0.330		0.064		4.100		0.110		0.080	
TECHNETIUM-99	pCi/g	0.500	U	0.400	U	0.400	U	0.500	U	0.800	U	1.000	U
BERYLLIUM-7	pCi/g	0.900	UJ	0.800	U	1.000	UJ	1.310		0.300	UJ	0.300	UJ
POTASSIUM-40	pCi/g	2.870	J	16.600		9.380	J	11.800		13.900	J	17.500	J
MANGANESE-54	pCi/g	0.080	UJ	0.060	U	0.100	UJ	0.100	U	0.030	UJ	0.040	UJ
COBALT-58	pCi/g	0.100	UJ	0.080	U	0.200	UJ	0.100	U	0.030	UJ	0.040	UJ
IRON-59	pCi/g	0.200	UJ	0.200	U	0.400	UJ	0.300	U	0.070	UJ	0.090	UJ
COBALT-60	pCi/g	0.080	UJ	0.070	U	0.100	UJ	0.100	U	0.030	UJ	0.030	UJ
ZINC-65	pCi/g	0.200	UJ	0.200	U	0.300	UJ	0.200	U	0.060	UJ	0.080	UJ
ZIRCONIUM-95	pCi/g	0.100	UJ	0.090	U	0.200	UJ	0.100	U	0.040	UJ	0.040	UJ
RUTHENIUM-103	pCi/g	0.100	UJ	0.090	U	0.200	UJ	0.100	U	0.040	UJ	0.040	UJ
RUTHENIUM-106	pCi/g	0.700	UJ	0.600	U	1.000	UJ	0.900	U	0.200	UJ	0.300	UJ
IODINE-131	pCi/g	0.800	UJ	0.700	U	2.000	UJ	1.000	U	0.100	UJ	0.200	UJ
CESIUM-134	pCi/g	0.090	UJ	0.080	U	0.200	UJ	0.100	U	0.030	UJ	0.040	UJ
CESIUM-137	pCi/g	2.610	J	0.070	U	0.200	UJ	0.100	U	0.184	J	0.517	J
BARIUM-140	pCi/g	0.300	UJ	0.300	U	0.700	UJ	0.400	U	0.070	UJ	0.090	UJ
CERIUM-141	pCi/g	0.200	UJ	0.100	U	0.300	UJ	0.200	U	0.050	UJ	0.060	UJ
CERIUM-144	pCi/g	0.400	UJ	0.300	U	0.700	UJ	0.500	U	0.200	UJ	0.200	UJ
EUROPIUM-152	pCi/g	0.300	UJ	0.200	U	0.400	UJ	0.300	U	0.080	UJ	0.100	UJ
EUROPIUM-154	pCi/g	0.200	UJ	0.200	U	0.400	UJ	0.500	U	0.100	UJ	0.100	UJ
EUROPIUM-155	pCi/g	0.200	UJ	0.200	U	0.400	UJ	0.300	U	0.100	UJ	0.100	UJ
RADIUM-226	pCi/g	2.000	UJ	1.000	U	2.000	UJ	2.000	U	1.120	J	1.350	J
THORIUM-228	pCi/g	0.100	UJ	0.100	U	0.200	UJ	0.200	U	0.643	J	0.851	J
THORIUM-234	pCi/g	1.000	UJ	1.000	U	2.000	UJ	2.000	U	1.200	J	1.400	J
TOTAL URANIUM	pCi/g	1.000	UJ	1.000	U	2.000	UJ	2.000	U	2.440	J	2.710	J

Parameter	Samp# / Date / Location / Type	B08YH5 8-2-93 216-A-24 SOIL		B08YH6 8-2-93 216-A-24 SOIL		B08YH7 8-2-93 216-A-24 RUSSIAN THIS.		B08YH8 8-2-93 216-A-24 RUSSIAN THIS.		B08YH9 8-2-93 216-A-24 CH./S. GRASS		B08YJ0 8-2-93 216-A-24 CHEATGRASS	
	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
STRONTIUM-90	pCi/g	0.120		1.000		1.700		4.800		0.250		1.200	
TECHNETIUM-99	pCi/g	0.900	U	0.900	U	0.500	U	0.500	U	0.400	U	0.900	UJ
BERYLLIUM-7	pCi/g	0.400	UJ	0.600	UJ	2.000	UJ	0.700	U	3.940		8.690	
POTASSIUM-40	pCi/g	17.400	J	18.300	J	46.200	J	52.600		7.610		5.910	
MANGANESE-54	pCi/g	0.040	UJ	0.030	UJ	0.200	UJ	0.060	U	0.070	U	0.060	U
COBALT-58	pCi/g	0.050	UJ	0.040	UJ	0.200	UJ	0.080	U	0.080	U	0.080	U
IRON-59	pCi/g	0.100	UJ	0.090	UJ	0.500	UJ	0.200	U	0.200	U	0.200	U
COBALT-60	pCi/g	0.040	UJ	0.030	UJ	0.200	UJ	0.060	U	0.070	U	0.050	U
ZINC-65	pCi/g	0.090	UJ	0.070	UJ	0.400	UJ	0.200	U	0.100	U	0.100	U
ZIRCONIUM-95	pCi/g	0.050	UJ	0.040	UJ	0.200	UJ	0.080	U	0.070	U	0.090	U
RUTHENIUM-103	pCi/g	0.050	UJ	0.070	UJ	0.300	UJ	0.080	U	0.100	U	0.100	U
RUTHENIUM-106	pCi/g	0.400	UJ	0.400	UJ	2.000	UJ	0.500	U	0.600	U	0.500	U
IODINE-131	pCi/g	0.200	UJ	0.300	UJ	2.000	UJ	0.700	U	0.900	U	5.000	U
CESIUM-134	pCi/g	0.050	UJ	0.064	J	0.200	UJ	0.070	U	0.070	U	0.060	U
CESIUM-137	pCi/g	0.566	J	10.400	J	0.200	UJ	0.383		0.777		0.780	
BARIUM-140	pCi/g	0.100	UJ	0.080	UJ	0.700	UJ	0.300	U	0.300	U	0.800	U
CERIUM-141	pCi/g	0.080	UJ	0.080	UJ	0.400	UJ	0.100	U	0.200	U	0.200	U
CERIUM-144	pCi/g	0.300	UJ	0.200	UJ	1.000	UJ	0.300	U	0.400	U	0.300	U
EUROPIUM-152	pCi/g	0.100	UJ	0.100	UJ	0.600	UJ	0.200	U	0.200	U	0.200	U
EUROPIUM-154	pCi/g	0.100	UJ	0.200	UJ	0.500	UJ	0.200	U	0.200	U	0.100	U
EUROPIUM-155	pCi/g	0.100	UJ	0.100	UJ	0.500	UJ	0.200	U	0.200	U	0.200	U
RADIUM-226	pCi/g	1.340	J	1.390	J	3.000	UJ	0.900	U	1.000	U	1.000	U
THORIUM-228	pCi/g	0.992	J	0.888	J	0.300	UJ	0.100	U	0.140		0.327	
THORIUM-234	pCi/g	1.400	J	1.100	J	3.000	UJ	1.000	U	1.000	U	1.000	U
TOTAL URANIUM	pCi/g	2.710	J	2.190	J	3.000	UJ	1.000	U	1.000	U	1.000	U

Parameter	Samp# / Date / Location / Type	B08YJ1 8-4-93 216-T-4 SOIL		B08YJ2 8-4-93 216-T-4 SOIL		B08YJ3 8-4-93 216-T-4 SOIL		B08YJ4 8-4-93 216-T-4 SOIL		B08YJ5 8-4-93 216-T-4 CATTAIL		B08YJ6 8-4-93 216-T-4 CATTAIL	
	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
STRONTIUM-90	pCi/g	2.300		0.360		1.400		1.500		0.280		0.130	
TECHNETIUM-99	pCi/g	1.000	U	1.000	U	1.000	U	0.800	U	0.500	U	0.600	U
BERYLLIUM-7	pCi/g	2.000	UJ	0.300	UJ	0.500	UJ	0.600	UJ	1.000	UJ	1.000	UJ
POTASSIUM-40	pCi/g	20.100	J	15.800	J	14.700	J	16.000	J	7.100	J	2.600	J
MANGANESE-54	pCi/g	0.060	UJ	0.040	UJ	0.030	UJ	0.040	UJ	0.080	UJ	0.090	UJ
COBALT-58	pCi/g	0.070	UJ	0.040	UJ	0.030	UJ	0.040	UJ	0.100	UJ	0.100	UJ
IRON-59	pCi/g	0.200	UJ	0.090	UJ	0.080	UJ	0.100	UJ	0.200	UJ	0.200	UJ
COBALT-60	pCi/g	0.879	J	0.040	UJ	0.030	UJ	0.030	UJ	0.301	J	0.090	UJ
ZINC-65	pCi/g	0.100	UJ	0.080	UJ	0.070	UJ	0.070	UJ	0.200	UJ	0.200	UJ
ZIRCONIUM-95	pCi/g	0.070	UJ	0.040	UJ	0.040	UJ	0.040	UJ	0.100	UJ	0.100	UJ
RUTHENIUM-103	pCi/g	0.200	UJ	0.050	UJ	0.060	UJ	0.070	UJ	0.200	UJ	0.200	UJ
RUTHENIUM-106	pCi/g	1.000	UJ	0.300	UJ	0.300	UJ	0.400	UJ	0.900	UJ	0.900	UJ
IODINE-131	pCi/g	0.700	UJ	0.200	UJ	0.300	UJ	0.800	UJ	1.000	UJ	1.000	UJ
CESIUM-134	pCi/g	0.130	J	0.040	UJ	0.040	UJ	0.042	J	0.100	UJ	0.090	UJ
CESIUM-137	pCi/g	66.700	J	0.716	J	7.080	J	7.200	J	8.040	J	8.620	J
BARIUM-140	pCi/g	0.100	UJ	0.090	UJ	0.080	UJ	0.200	UJ	0.400	UJ	0.400	UJ
CERIUM-141	pCi/g	0.200	UJ	0.070	UJ	0.070	UJ	0.090	UJ	0.200	UJ	0.200	UJ
CERIUM-144	pCi/g	0.600	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.500	UJ	0.500	UJ
EUROPIUM-152	pCi/g	0.400	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.300	UJ	0.300	UJ
EUROPIUM-154	pCi/g	0.200	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.400	UJ	0.200	UJ
EUROPIUM-155	pCi/g	0.300	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.300	UJ	0.300	UJ
RADIUM-226	pCi/g	2.150	J	1.390	J	1.240	J	1.100	J	2.000	UJ	2.000	UJ
THORIUM-228	pCi/g	0.862	J	0.808	J	0.622	J	0.640	J	0.200	UJ	0.200	UJ
THORIUM-234	pCi/g	2.000	UJ	1.400	J	1.300	J	0.810	J	2.000	UJ	2.000	UJ
TOTAL URANIUM	pCi/g	2.000	UJ	2.870	J	2.630	J	1.600	J	2.000	UJ	2.000	UJ

Parameter	Samp# / Date / Location / Type	B08YJ7 8-4-93 216-T-4 BULRUSH		B08YJ8 8-4-93 216-T-4 WILLOW		B08YJ9 8-20-93 216-B-3 RODENT		B08YK0 8-20-93 216-B-3 RODENT		B08YK1 8-20-93 216-B-3 RODENT		B08YK2 8-20-93 216-B-3 RODENT	
	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
STRONTIUM-90	pCi/g	0.300		4.200		0.200	U	0.200	U	0.100	U	0.100	U
TECHNETIUM-99	pCi/g	0.400	U	0.600	U	NR		NR		NR		NR	
BERYLLIUM-7	pCi/g	2.000	UJ	2.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	2.000	UJ
POTASSIUM-40	pCi/g	16.000	J	7.810	J	3.000	UJ	4.000	UJ	3.000	UJ	5.000	UJ
MANGANESE-54	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.200	UJ
COBALT-58	pCi/g	0.200	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.100	UJ	0.200	UJ
IRON-59	pCi/g	0.400	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.400	UJ
COBALT-60	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.200	UJ
ZINC-65	pCi/g	0.300	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.200	UJ	0.300	UJ
ZIRCONIUM-95	pCi/g	0.200	UJ	0.200	UJ	0.100	UJ	0.200	UJ	0.100	UJ	0.200	UJ
RUTHENIUM-103	pCi/g	0.200	UJ	0.200	UJ	0.100	UJ	0.200	UJ	0.100	UJ	0.200	UJ
RUTHENIUM-106	pCi/g	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	2.000	UJ
IODINE-131	pCi/g	2.000	UJ	1.000	UJ	0.500	UJ	0.600	UJ	0.500	UJ	0.700	UJ
CESIUM-134	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.100	UJ	0.200	UJ
CESIUM-137	pCi/g	3.550	J	0.239	J	0.100	UJ	0.200	UJ	0.110	J	0.200	UJ
BARIUM-140	pCi/g	0.600	UJ	0.700	UJ	0.300	UJ	0.400	UJ	0.300	UJ	0.500	UJ
CERIUM-141	pCi/g	0.300	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ
CERIUM-144	pCi/g	0.700	UJ	0.700	UJ	0.500	UJ	0.600	UJ	0.500	UJ	0.700	UJ
EUROPIUM-152	pCi/g	0.400	UJ	0.400	UJ	0.300	UJ	0.400	UJ	0.300	UJ	0.500	UJ
EUROPIUM-154	pCi/g	0.400	UJ	0.600	UJ	0.300	UJ	0.700	UJ	0.300	UJ	0.500	UJ
EUROPIUM-155	pCi/g	0.400	UJ	0.400	UJ	0.300	UJ	0.300	UJ	0.200	UJ	0.400	UJ
RADIUM-226	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	3.000	UJ
THORIUM-228	pCi/g	0.300	UJ	0.370	J	0.200	UJ	0.200	UJ	0.200	UJ	0.300	UJ
THORIUM-234	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ
TOTAL URANIUM	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ

Parameter	Samp# / Date / Location / Type	Units	B08YK3 8-20-93 216-A-24 RODENT Result	Q	B08YK4 8-20-93 216-A-24 RODENT Result	Q	B08YK5 8-20-93 216-A-24 RODENT Result	Q	B08YK6 8-20-93 216-A-24 RODENT Result	Q	B08YK7 8-20-93 216-U-11 RODENT Result	Q	B08YK8 8-20-93 216-U-11 RODENT Result	Q
STRONTIUM-90		pCi/g	0.130		0.400		0.260		0.400	U	0.590		0.550	
TECHNETIUM-99		pCi/g	NR		NR		NR		NR		NR		NR	
BERYLLIUM-7		pCi/g	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ
POTASSIUM-40		pCi/g	6.450	J	3.000	UJ	5.340	J	3.000	UJ	4.000	UJ	3.000	UJ
MANGANESE-54		pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ
COBALT-58		pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.200	UJ
IRON-59		pCi/g	0.300	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.400	UJ	0.300	UJ
COBALT-60		pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.090	UJ	0.100	UJ	0.100	UJ
ZINC-65		pCi/g	0.300	UJ	0.300	UJ	0.200	UJ	0.200	UJ	0.300	UJ	0.300	UJ
ZIRCONIUM-95		pCi/g	0.200	UJ	0.200	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.200	UJ
RUTHENIUM-103		pCi/g	0.200	UJ	0.200	UJ	0.100	UJ	0.200	UJ	0.200	UJ	0.200	UJ
RUTHENIUM-106		pCi/g	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ
IODINE-131		pCi/g	0.800	UJ	0.800	UJ	0.700	UJ	1.000	UJ	1.000	UJ	1.000	UJ
CESIUM-134		pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ
CESIUM-137		pCi/g	0.100	UJ	0.100	UJ	0.178	J	0.123	J	0.100	UJ	0.200	UJ
BARIUM-140		pCi/g	0.400	UJ	0.500	UJ	0.400	UJ	0.600	UJ	0.500	UJ	0.600	UJ
CERIUM-141		pCi/g	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ
CERIUM-144		pCi/g	0.500	UJ	0.500	UJ	0.500	UJ	0.500	UJ	0.600	UJ	0.600	UJ
EUROPIUM-152		pCi/g	0.300	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.400	UJ	0.400	UJ
EUROPIUM-154		pCi/g	0.400	UJ	0.600	UJ	0.300	UJ	0.300	UJ	0.400	UJ	0.700	UJ
EUROPIUM-155		pCi/g	0.300	UJ	0.300	UJ	0.200	UJ	0.200	UJ	0.300	UJ	0.300	UJ
RADIUM-226		pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ
THORIUM-228		pCi/g	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ
THORIUM-234		pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	1.000	UJ	2.000	UJ	2.000	UJ
TOTAL URANIUM		pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	1.000	UJ	2.000	UJ	2.000	UJ

Parameter	Samp# / Date / Location / Type / Units	B08YK9 8-20-93 216-U-11 RODENT Result	Q	B08YL0 8-20-93 216-U-11 RODENT Result	Q	B08YL1 8-24-93 216-B-3 RODENT Result	Q	B08YL2 8-24-93 216-B-3 RODENT Result	Q	B08YL3 8-24-93 216-T-4 RODENT Result	Q	B08YL4 8-24-93 216-T-4 RODENT Result	Q
STRONTIUM-90	pCi/g	1.100		0.200	U	0.100	U	0.100	U	1.600		1.600	
TECHNETIUM-99	pCi/g	NR		NR		NR		NR		NR		NR	
BERYLLIUM-7	pCi/g	2.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ
POTASSIUM-40	pCi/g	4.000	UJ	4.000	UJ	3.000	UJ	3.000	UJ	4.000	UJ	3.000	UJ
MANGANESE-54	pCi/g	0.200	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ
COBALT-58	pCi/g	0.200	UJ	0.200	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ
IRON-59	pCi/g	0.400	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.300	UJ
COBALT-60	pCi/g	0.200	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ
ZINC-65	pCi/g	0.300	UJ	0.300	UJ	0.200	UJ	0.300	UJ	0.300	UJ	0.200	UJ
ZIRCONIUM-95	pCi/g	0.200	UJ	0.200	UJ	0.100	UJ	0.200	UJ	0.200	UJ	0.100	UJ
RUTHENIUM-103	pCi/g	0.200	UJ	0.200	UJ	0.100	UJ	0.200	UJ	0.200	UJ	0.100	UJ
RUTHENIUM-106	pCi/g	2.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	0.900	UJ
IODINE-131	pCi/g	1.000	UJ	1.000	UJ	0.700	UJ	0.700	UJ	0.800	UJ	0.600	UJ
CESIUM-134	pCi/g	0.200	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ
CESIUM-137	pCi/g	0.200	UJ	0.100	UJ	0.100	UJ	0.110	J	10.400	J	3.380	J
BARIUM-140	pCi/g	0.500	UJ	0.400	UJ	0.300	UJ	0.400	UJ	0.400	UJ	0.300	UJ
CERIUM-141	pCi/g	0.300	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.100	UJ
CERIUM-144	pCi/g	0.700	UJ	0.600	UJ	0.500	UJ	0.600	UJ	0.600	UJ	0.400	UJ
EUROPIUM-152	pCi/g	0.500	UJ	0.400	UJ	0.300	UJ	0.300	UJ	0.400	UJ	0.300	UJ
EUROPIUM-154	pCi/g	0.400	UJ	0.400	UJ	0.300	UJ	0.600	UJ	0.400	UJ	0.300	UJ
EUROPIUM-155	pCi/g	0.400	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.200	UJ
RADIUM-226	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	1.000	UJ
THORIUM-228	pCi/g	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ
THORIUM-234	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	1.000	UJ
TOTAL URANIUM	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	1.000	UJ

Parameter	Samp# / Date / Location / Type	B08YL5 8-24-93 216-T-4 RODENT		B08YL6 8-24-93 216-T-4 RODENT		B08YL7 8-25-93 216-T-4 RODENT		B08YL8 8-25-93 216-T-4 RODENT		B08YL9 9-7-93 SADDLE LAKE BULRUSH		B08YM0 9-7-93 SADDLE LAKE CHEATGRASS	
	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
STRONTIUM-90	pCi/g	0.230		0.280		16.000		0.100	U	0.170		0.072	
TECHNETIUM-99	pCi/g	NR		NR		NR		NR		0.800	UJ	0.500	U
BERYLLIUM-7	pCi/g	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	4.030	
POTASSIUM-40	pCi/g	3.000	UJ	3.000	UJ	4.000	UJ	3.000	UJ	18.500	J	5.900	
MANGANESE-54	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.040	U
COBALT-58	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.040	U
IRON-59	pCi/g	0.300	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.400	UJ	0.080	U
COBALT-60	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.030	U
ZINC-65	pCi/g	0.200	UJ	0.200	UJ	0.300	UJ	0.200	UJ	0.300	UJ	0.080	U
ZIRCONIUM-95	pCi/g	0.200	UJ	0.100	UJ	0.200	UJ	0.110	J	0.200	UJ	0.040	U
RUTHENIUM-103	pCi/g	0.200	UJ	0.100	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.040	U
RUTHENIUM-106	pCi/g	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	0.300	U
IODINE-131	pCi/g	1.000	UJ	0.700	UJ	0.900	UJ	0.800	UJ	0.800	UJ	0.100	U
CESIUM-134	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.040	U
CESIUM-137	pCi/g	0.100	UJ	0.100	UJ	2.560	J	1.140	J	0.100	UJ	0.046	
BARIUM-140	pCi/g	0.600	UJ	0.400	UJ	0.400	UJ	0.400	UJ	0.400	UJ	0.080	U
CERIUM-141	pCi/g	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.060	U
CERIUM-144	pCi/g	0.500	UJ	0.500	UJ	0.600	UJ	0.500	UJ	0.700	UJ	0.200	U
EUROPIUM-152	pCi/g	0.300	UJ	0.300	UJ	0.400	UJ	0.300	UJ	0.400	UJ	0.100	U
EUROPIUM-154	pCi/g	0.600	UJ	0.600	UJ	0.400	UJ	0.400	UJ	0.400	UJ	0.200	U
EUROPIUM-155	pCi/g	0.300	UJ	0.300	UJ	0.300	UJ	0.300	UJ	0.400	UJ	0.100	U
RADIUM-226	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	0.700	U
THORIUM-228	pCi/g	0.210	J	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.308	
THORIUM-234	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	0.700	U
TOTAL URANIUM	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	0.700	U

	Samp#	B08YM1		B08YM2		B08YM3		B08YM4		B08YM5		B08YM6	
	Date	9-7-93		9-7-93		9-7-93		9-7-93		9-7-93		9-8-93	
	Location	SADDLE LAKE		SADDLE LAKE		SADDLE LAKE		SADDLE LAKE		SADDLE LAKE		SADDLE LAKE	
	Type	WILLOW		CATTAIL		RUSSIAN THIS.		SOIL		SOIL		RODENT	
Parameter	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
STRONTIUM-90	pCi/g	0.050		0.020	U	0.021		0.099		0.059		0.100	U
TECHNETIUM-99	pCi/g	0.600	UJ	0.500	U	0.400	U	0.900	U	1.000	U	NR	
BERYLLIUM-7	pCi/g	1.490		0.300	U	0.500	U	0.300	UJ	0.300	UJ	1.000	UJ
POTASSIUM-40	pCi/g	7.260		7.150		44.900		16.600	J	17.300	J	4.000	UJ
MANGANESE-54	pCi/g	0.020	U	0.040	U	0.060	U	0.030	UJ	0.030	UJ	0.100	UJ
COBALT-58	pCi/g	0.030	U	0.040	U	0.060	U	0.030	UJ	0.040	UJ	0.100	UJ
IRON-59	pCi/g	0.060	U	0.080	U	0.200	U	0.080	UJ	0.090	UJ	0.300	UJ
COBALT-60	pCi/g	0.020	U	0.030	U	0.050	U	0.020	UJ	0.030	UJ	0.100	UJ
ZINC-65	pCi/g	0.050	U	0.070	U	0.100	U	0.050	UJ	0.060	UJ	0.300	UJ
ZIRCONIUM-95	pCi/g	0.030	U	0.040	U	0.070	U	0.040	UJ	0.040	UJ	0.200	UJ
RUTHENIUM-103	pCi/g	0.030	U	0.040	U	0.070	U	0.040	UJ	0.050	UJ	0.100	UJ
RUTHENIUM-106	pCi/g	0.200	U	0.300	U	0.500	U	0.200	UJ	0.300	UJ	1.000	UJ
IODINE-131	pCi/g	0.100	U	0.100	U	0.200	U	0.500	UJ	0.600	UJ	0.300	UJ
CESIUM-134	pCi/g	0.030	U	0.040	U	0.060	U	0.030	UJ	0.034	J	0.100	UJ
CESIUM-137	pCi/g	0.030	U	0.040	U	0.060	U	0.082	J	0.095	J	0.100	UJ
BARIUM-140	pCi/g	0.050	U	0.080	U	0.100	U	0.100	UJ	0.200	UJ	0.200	UJ
CERIUM-141	pCi/g	0.040	U	0.060	U	0.090	U	0.060	UJ	0.070	UJ	0.200	UJ
CERIUM-144	pCi/g	0.100	U	0.200	U	0.300	U	0.100	UJ	0.200	UJ	0.600	UJ
EUROPIUM-152	pCi/g	0.070	U	0.100	U	0.200	U	0.070	UJ	0.080	UJ	0.400	UJ
EUROPIUM-154	pCi/g	0.080	U	0.100	U	0.200	U	0.080	UJ	0.100	UJ	0.400	UJ
EUROPIUM-155	pCi/g	0.070	U	0.100	U	0.200	U	0.080	UJ	0.100	UJ	0.300	UJ
RADIUM-226	pCi/g	0.500	U	0.600	U	1.000	U	1.160	J	1.520	J	2.000	UJ
THORIUM-228	pCi/g	0.059		0.060	U	0.100	U	0.731	J	0.734	J	0.200	UJ
THORIUM-234	pCi/g	0.500	U	0.600	U	1.000	U	0.500	UJ	0.600	UJ	2.000	UJ
TOTAL URANIUM	pCi/g	0.500	U	0.600	U	1.000	U	2.650	J	3.400	J	2.000	UJ

Parameter	Samp# / Date / Location / Type	B08YM7 9-8-93 SADDLE LAKE RODENT		B08YM8 9-8-93 SADDLE LAKE RODENT		B08YM9 9-8-93 SADDLE LAKE RODENT		B08YN0 9-17-93 216-U-11 INSECTS		B08YN1 9-17-93 216-B-3 INSECTS		B08YN2 9-17-93 216-T-4 INSECTS	
	Units	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
STRONTIUM-90	pCi/g	0.200	U	0.300	U	0.200	U	0.240		0.620		0.540	
TECHNETIUM-99	pCi/g	NR		NR		NR		NR		NR		NR	
BERYLLIUM-7	pCi/g	0.900	UJ	0.900	UJ	0.900	UJ	1.000	UJ	2.000	UJ	2.000	UJ
POTASSIUM-40	pCi/g	3.000	UJ	3.240	J	3.000	UJ	4.660	J	5.630	J	10.500	J
MANGANESE-54	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.200	UJ
COBALT-58	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.300	UJ	0.200	UJ
IRON-59	pCi/g	0.200	UJ	0.200	UJ	0.200	UJ	0.300	UJ	0.600	UJ	0.500	UJ
COBALT-60	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.200	UJ
ZINC-65	pCi/g	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.500	UJ	0.400	UJ
ZIRCONIUM-95	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.300	UJ	0.200	UJ
RUTHENIUM-103	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.300	UJ	0.300	UJ
RUTHENIUM-106	pCi/g	1.000	UJ	1.000	UJ	1.000	UJ	1.000	UJ	2.000	UJ	2.000	UJ
IODINE-131	pCi/g	0.200	UJ	0.200	UJ	0.200	UJ	0.700	UJ	1.000	UJ	1.000	UJ
CESIUM-134	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	0.300	UJ	0.200	UJ
CESIUM-137	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.100	UJ	6.730	J	0.200	UJ
BARIUM-140	pCi/g	0.200	UJ	0.200	UJ	0.200	UJ	0.400	UJ	0.500	UJ	0.500	UJ
CERIUM-141	pCi/g	0.100	UJ	0.100	UJ	0.100	UJ	0.200	UJ	0.400	UJ	0.300	UJ
CERIUM-144	pCi/g	0.500	UJ	0.500	UJ	0.500	UJ	0.600	UJ	1.000	UJ	1.000	UJ
EUROPIUM-152	pCi/g	0.300	UJ	0.300	UJ	0.300	UJ	0.400	UJ	0.700	UJ	0.600	UJ
EUROPIUM-154	pCi/g	0.300	UJ	0.400	UJ	0.600	UJ	0.600	UJ	0.600	UJ	0.600	UJ
EUROPIUM-155	pCi/g	0.200	UJ	0.300	UJ	0.200	UJ	0.400	UJ	0.600	UJ	0.500	UJ
RADIUM-226	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	4.000	UJ	3.000	UJ
THORIUM-228	pCi/g	0.200	UJ	0.200	UJ	0.200	UJ	0.200	UJ	0.400	UJ	0.400	UJ
THORIUM-234	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	4.000	UJ	3.000	UJ
TOTAL URANIUM	pCi/g	2.000	UJ	2.000	UJ	2.000	UJ	2.000	UJ	4.000	UJ	3.000	UJ

Parameter	Samp# / Date / Location / Type	B08YN3 9-17-93 SADDLE LAKE INSECTS		B08YN4 9-17-93 216-A-24 INSECTS	
	Units	Result	Q	Result	Q
STRONTIUM-90	pCi/g	0.020	U	0.340	
TECHNETIUM-99	pCi/g	NR		NR	
BERYLLIUM-7	pCi/g	1.000	UJ	2.000	UJ
POTASSIUM-40	pCi/g	9.310	J	7.680	J
MANGANESE-54	pCi/g	0.100	UJ	0.200	UJ
COBALT-58	pCi/g	0.100	UJ	0.200	UJ
IRON-59	pCi/g	0.300	UJ	0.500	UJ
COBALT-60	pCi/g	0.100	UJ	0.200	UJ
ZINC-65	pCi/g	0.200	UJ	0.400	UJ
ZIRCONIUM-95	pCi/g	0.100	UJ	0.200	UJ
RUTHENIUM-103	pCi/g	0.100	UJ	0.300	UJ
RUTHENIUM-106	pCi/g	1.000	UJ	2.000	UJ
IODINE-131	pCi/g	0.600	UJ	1.000	UJ
CESIUM-134	pCi/g	0.100	UJ	0.200	UJ
CESIUM-137	pCi/g	0.100	UJ	0.200	UJ
BARIUM-140	pCi/g	0.300	UJ	0.600	UJ
CERIUM-141	pCi/g	0.200	UJ	0.300	UJ
CERIUM-144	pCi/g	0.500	UJ	1.000	UJ
EUROPIUM-152	pCi/g	0.300	UJ	0.600	UJ
EUROPIUM-154	pCi/g	0.300	UJ	1.000	UJ
EUROPIUM-155	pCi/g	0.300	UJ	0.500	UJ
RADIUM-226	pCi/g	2.000	UJ	3.000	UJ
THORIUM-228	pCi/g	0.200	UJ	0.300	UJ
THORIUM-234	pCi/g	2.000	UJ	3.000	UJ
TOTAL URANIUM	pCi/g	2.000	UJ	3.000	UJ

APPENDIX D

RADIOCHEMISTRY VALIDATED LABORATORY RESULTS FORMS

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/06/93

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22705	9308L516-001	808YF7	07/30				SR-90	2.3 +-0.5 E-02		09/10		10.33 *	3
							TC-99	L.T. 4. E-01		10/01			3
							~~TC-99~~	~~8.1 +- 22.2E-02~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 5. E-03~~		~~09/10~~			3
							BE-7	2.02+-0.41E 00		08/30			4
							~~BE-7~~	~~L.T. 8. E-01~~		~~08/30~~			4
							K-40	4.18+-0.52E 00		08/30			4
							~~K-40~~	~~L.T. 2. E-00~~		~~08/30~~			4
							MN-54	L.T. 4. E-02		08/30			4
							~~MN-54~~	~~9.1 +- 25.9E-03~~		~~08/30~~			4
							CO-58	L.T. 5. E-02		08/30			4
							~~CO-58~~	~~3.9 +- 3.6E-02~~		~~08/30~~			4
							FE-59	L.T. 1. E-01		08/30			4
							~~FE-59~~	~~4.4 +- 8.1E-02~~		~~08/30~~			4
							CO-60	L.T. 3. E-02		08/30			4
							~~CO-60~~	~~1.7 +- 2.3E-02~~		~~08/30~~			4
							ZN-65	L.T. 9. E-02		08/30			4
							~~ZN-65~~	~~2.8 +- 5.8E-02~~		~~08/30~~			4
							ZR-95	L.T. 6. E-02		08/30			4
							~~ZR-95~~	~~2.1 +- 3.6E-02~~		~~08/30~~			4
							RU-103	L.T. 7. E-02		08/30			4
							~~RU-103~~	~~1.1 +- 4.1E-02~~		~~08/30~~			4
							RU-106	L.T. 5. E-01		08/30			4
							~~RU-106~~	~~1.5 +- 2.6E-01~~		~~08/30~~			4
							I-131	L.T. 5. E-01		08/30			4
							~~I-131~~	~~2.1 +- 3.3E-01~~		~~08/30~~			4
							CS-134	L.T. 5. E-02		08/30			4
							~~CS-134~~	~~7.4 +- 27.9E-03~~		~~08/30~~			4
							CS-137	L.T. 5. E-02		08/30			4
							~~CS-137~~	~~1.8 +- 2.7E-02~~		~~08/30~~			4
							BA-140	L.T. 2. E-01		08/30			4
							~~BA-140~~	~~8.9 +- 117.E-03~~		~~08/30~~			4

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2/10/94

WHC-SD-EN-TI-249, Rev. 0

9413281.0117

TELEDYNE ISOTOPES

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22705	9308L516-001	B08YF7	07/30				CE-141	L.T. 9. E-02		08/30	U		4
							~~CE-141~~	~~3.2 +- 56.6E-03~~		~~08/30~~			4
							CE-144	L.T. 2. E-01		08/30	U		4
							~~CE-144~~	~~2.7 +- 143.E-03~~		~~08/30~~			4
							EU-152	L.T. 1. E-01		08/30	U		4
							~~EU-152~~	~~2.2 +- 8.4E-02~~		~~08/30~~			4
							EU-154	L.T. 1. E-01		08/30	U		4
							~~EU-154~~	~~1.2 +- 8.0E-02~~		~~08/30~~			4
							EU-155	L.T. 1. E-01		08/30	U		4
							~~EU-155~~	~~2.4 +- 0.8E-01~~		~~08/30~~			4
							RA-226	L.T. 8. E-01		08/30	U		4
							~~RA-226~~	~~1.5 +- 4.7E-01~~		~~08/30~~			4
							TH-228	L.T. 8. E-02		08/30	U		4
							~~TH-228~~	~~2.5 +- 4.3E-02~~		~~08/30~~			4
							TH-234	L.T. 9. E-01		08/30	U		4
							~~TH-234~~	~~3.4 +- 4.8E-01~~		~~08/30~~			4
							TOTAL-U	L.T. 9. E-01		08/30	U		4
							~~TOTAL-U~~	~~3.44+-4.75E-01~~		~~08/30~~			4
22706	9308L516-002	B08YG1	07/30				SR-90	2.2 +-0.2 E-01		09/10		14.90 *	3
							TC-99	L.T. 6. E-01		10/01 ~~UR~~	UJ		3
							~~TC-99~~	~~0.0 +-3.71E-01~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 1. E-02~~		~~09/10~~			3
							BE-7	L.T. 7. E-01		08/30	UJ		4
							~~BE-7~~	~~1.3 +- 4.2E-01~~		~~08/30~~			4
							K-40	4.71+-0.47E 01		08/30	J		4
							~~K-40~~	~~L.T. 4. E 00~~		~~08/30~~			4
							MN-54	L.T. 6. E-02		08/30	UJ		4
							~~MN-54~~	~~5.4 +- 4.1E-02~~		~~08/30~~			4
							CO-58	L.T. 9. E-02		08/30	UJ		4
							~~CO-58~~	~~1.6 +-52.0E-03~~		~~08/30~~			4
							FE-59	L.T. 2. E-01		08/30	UJ		4

Revised 4/12/94

4/12/94

Verified 2/10/94

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WHC-SD-EN-TI-249, Rev. 0

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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

S O L I D S

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22706	9308L516-002	B08YG1	07/30				~~PE-59~~	~~3.1 +- 13.7E-02~~		~~08/30~~			4
							CO-60	L.T. 7. E-02		08/30	U5		4
							~~CO-60~~	~~1.8 +- 4.1E-02~~		~~08/30~~			4
							ZN-65	L.T. 2. E-01		08/30	U5		4
							~~ZN-65~~	~~4.7 +- 10.7E-02~~		~~08/30~~			4
							ZR-95	L.T. 8. E-02		08/30	U5		4
							~~ZR-95~~	~~1.4 +- 5.2E-02~~		~~08/30~~			4
							RU-103	L.T. 9. E-02		08/30	U5		4
							~~RU-103~~	~~1.2 +- 5.4E-02~~		~~08/30~~			4
							RU-106	L.T. 6. E-01		08/30	U5		4
							~~RU-106~~	~~3.4 +- 3.6E-01~~		~~08/30~~			4
							I-131	L.T. 8. E-01		08/30	U5		4
							~~I-131~~	~~3.2 +- 46.0E-02~~		~~08/30~~			4
							CS-134	L.T. 8. E-02		08/30	U5		4
							~~CS-134~~	~~1.4 +- 4.6E-02~~		~~08/30~~			4
							CS-137	L.T. 6. E-02		08/30	U5		4
							~~CS-137~~	~~8.3 +- 39.2E-03~~		~~08/30~~			4
							BA-140	L.T. 3. E-01		08/30	U5		4
							~~BA-140~~	~~3.5 +- 15.8E-02~~		~~08/30~~			4
							CE-141	L.T. 1. E-01		08/30	U5		4
							~~CE-141~~	~~2.2 +- 7.3E-02~~		~~08/30~~			4
							CE-144	L.T. 3. E-01		08/30	U5		4
							~~CE-144~~	~~3.1 +- 19.0E-02~~		~~08/30~~			4
							EU-152	L.T. 2. E-01		08/30	U5		4
							~~EU-152~~	~~1.4 +- 1.1E-01~~		~~08/30~~			4
							EU-154	L.T. 3. E-01		08/30	U5		4
							~~EU-154~~	~~3.7 +- 15.0E-02~~		~~08/30~~			4
							EU-155	L.T. 2. E-01		08/30	U5		4
							~~EU-155~~	~~3.0 +- 1.0E-01~~		~~08/30~~			4
							RA-226	L.T. 9. E-01		08/30	U5		4
							~~RA-226~~	~~3.3 +- 5.5E-01~~		~~08/30~~			4
							TH-228	L.T. 1. E-01		08/30	U5		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22706	9308L516-002	B08YG1	07/30				~~TH-228~~	~~5.3 +- 5.6E-02~~		~~08/30~~			4
							TH-234	L.T. 1. E 00		08/30			4
							~~TH-234 -~~	~~7.4 +- 58.0E-02~~		~~08/30~~			4
							TOTAL-U	L.T. 1. E 00		08/30			4
							~~TOTAL-U-~~	~~7.41+- 58.0E-02~~		~~08/30~~			4
22707	9308L516-003	B08YG3	07/30				SR-90	7.7 +-1.6 E-02		09/12			3
							TC-99	L.T. 4. E-01		10/01			3
							~~TC-99 -~~	~~1.9 +- 23.8E-02~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 1. E-02~~		~~09/12~~			3
							BE-7	L.T. 9. E-01		08/30			4
							~~BE-7~~	~~7.4 +- 5.1E-01~~		~~08/30~~			4
							K-40	5.80+-0.58E 01		08/30			4
							~~K-40~~	~~L.T. 5. E-00~~		~~08/30~~			4
							MN-54	L.T. 8. E-02		08/30			4
							~~MN-54~~	~~2.5 +- 5.1E-02~~		~~08/30~~			4
							CO-58	L.T. 9. E-02		08/30			4
							~~CO-58 -~~	~~2.0 +- 5.7E-02~~		~~08/30~~			4
							FE-59	L.T. 3. E-01		08/30			4
							~~FE-59~~	~~8.2 +- 16.0E-02~~		~~08/30~~			4
							CO-60	L.T. 8. E-02		08/30			4
							~~CO-60~~	~~3.2 +- 4.4E-02~~		~~08/30~~			4
							ZN-65	L.T. 2. E-01		08/30			4
							~~ZN-65 -~~	~~2.2 +- 11.5E-02~~		~~08/30~~			4
							ZR-95	L.T. 1. E-01		08/30			4
							~~ZR-95 -~~	~~7.0 +- 58.8E-03~~		~~08/30~~			4
							RU-103	L.T. 1. E-01		08/30			4
							~~RU-103 -~~	~~4.4 +- 6.4E-02~~		~~08/30~~			4
							RU-106	L.T. 7. E-01		08/30			4
							~~RU-106~~	~~1.5 +- 4.2E-01~~		~~08/30~~			4
							I-131	L.T. 8. E-01		08/30			4
							~~I-131 -~~	~~4.1 +- 5.1E-01~~		~~08/30~~			4

Revised 4/12/94

Verified 2/10/94

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/06/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 5
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22707	9308L516-003	B08YG3	07/30				CS-134	L.T. 9. E-02		08/30	U		4
							~~CS-134~~	~~1.5 +- 52.3E-03~~		~~08/30~~			4
							CS-137	L.T. 8. E-02		08/30	U		4
							~~CS-137~~	~~5.3 +- 48.0E-03~~		~~08/30~~			4
							BA-140	L.T. 3. E-01		08/30	U		4
							~~BA-140~~	~~2.5 +- 19.3E-02~~		~~08/30~~			4
							CE-141	L.T. 2. E-01		08/30	U		4
							~~CE-141~~	~~6.3 +- 9.4E-02~~		~~08/30~~			4
							CE-144	L.T. 4. E-01		08/30	U		4
							~~CE-144~~	~~2.1 +- 23.4E-02~~		~~08/30~~			4
							EU-152	L.T. 2. E-01		08/30	U		4
							~~EU-152~~	~~1.7 +- 1.3E-01~~		~~08/30~~			4
							EU-154	L.T. 4. E-01		08/30	U		4
							~~EU-154~~	~~9.3 +- 19.2E-02~~		~~08/30~~			4
							EU-155	L.T. 2. E-01		08/30	U		4
							~~EU-155~~	~~5.3 +- 1.3E-01~~		~~08/30~~			4
							RA-226	L.T. 1. E 00		08/30	U		4
							~~RA-226~~	~~7.8 +- 71.7E-02~~		~~08/30~~			4
							TH-228	L.T. 1. E-01		08/30	U		4
							~~TH-228~~	~~8.7 +- 7.0E-02~~		~~08/30~~			4
							TH-234	L.T. 1. E 00		08/30	U		4
							~~TH-234~~	~~1.0 +- 0.8E 00~~		~~08/30~~			4
							TOTAL-U	L.T. 1. E 00		08/30	U		4
							~~TOTAL-U~~	~~1.03+- 0.77E 00~~		~~08/30~~			4
22708	9308L516-004	B08YG9	08/02				SR-90	7.6 +-1.7 E-02		09/10		6.62 *	3
							TC-99	L.T. 5. E-01		10/01	U		3
							~~TC-99~~	~~1.4 +- 3.35E-01~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 1. E-02~~		~~09/10~~			3
							BE-7	L.T. 9. E-01		08/30	UJ		4
							~~BE-7~~	~~8.4 +- 57.4E-02~~		~~08/30~~			4
							K-40	2.87+-0.64E 00		08/30	J		4

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4/12/94

Verified 4/12/94

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22708	9308L516-004	808YG9	08/02				K-40	L.T. 2. E-00		08/30			4
							MN-54	L.T. 8. E-02		08/30			4
							MN-54	1.3 +- 5.0E-02		08/30			4
							CO-58	L.T. 1. E-01		08/30			4
							CO-58	2.8 +- 6.0E-02		08/30			4
							FE-59	L.T. 2. E-01		08/30			4
							FE-59	6.8 +- 13.9E-02		08/30			4
							CO-60	L.T. 8. E-02		08/30			4
							CO-60	4.7 +- 4.5E-02		08/30			4
							ZN-65	L.T. 2. E-01		08/30			4
							ZN-65	1.0 +- 1.1E-01		08/30			4
							ZR-95	L.T. 1. E-01		08/30			4
							ZR-95	4.3 +- 6.1E-02		08/30			4
							RU-103	L.T. 1. E-01		08/30			4
							RU-103	9.5 +- 75.4E-03		08/30			4
							RU-106	L.T. 7. E-01		08/30			4
							RU-106	1.6 +- 4.6E-01		08/30			4
							I-131	L.T. 8. E-01		08/30			4
							I-131	5.7 +- 5.1E-01		08/30			4
							CS-134	L.T. 9. E-02		08/30			4
							CS-134	2.1 +- 5.1E-02		08/30			4
							CS-137	2.61+-0.26E 00		08/30			4
							CS-137	L.T. 3. E-01		08/30			4
							BA-140	L.T. 3. E-01		08/30			4
							BA-140	3.6 +- 18.1E-02		08/30			4
							CE-141	L.T. 2. E-01		08/30			4
							CE-141	4.9 +- 10.2E-02		08/30			4
							CE-144	L.T. 4. E-01		08/30			4
							CE-144	2.1 +- 2.7E-01		08/30			4
							EU-152	L.T. 3. E-01		08/30			4
							EU-152	2.5 +- 1.6E-01		08/30			4
							EU-154	L.T. 2. E-01		08/30			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/06/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22708	9308L516-004	B08YG9	08/02				~~EU-154~~	~~1.9 +- 13.0E-02~~		~~08/30~~			4
							EU-155	L.T. 2. E-01		08/30	U5		4
							~~EU-155~~	~~1.4 +- 1.4E-01~~		~~08/30~~			4
							RA-226	L.T. 2. E 00		08/30	U5		4
							~~RA-226~~	~~5.7 +- 8.9E-01~~		~~08/30~~			4
							TH-228	L.T. 1. E-01		08/30	U5		4
							~~TH-228~~	~~4.3 +- 8.2E-02~~		~~08/30~~			4
							TH-234	L.T. 1. E 00		08/30	U5		4
							~~TH-234~~	~~1.2 +- 8.2E-01~~		~~08/30~~			4
							TOTAL-U	L.T. 1. E 00		08/30	U5		4
							~~TOTAL-U~~	~~1.23+-8.17E-01~~		~~08/30~~			4
22709	9308L516-005	B08YH0	08/02				SR-90	3.3 +-0.3 E-01		09/10			3
							TC-99	L.T. 4. E-01		10/01	U		3
							~~TC-99~~	~~3.9 +-22.4E-02~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 2. E-02~~		~~09/10~~			3
							BE-7	L.T. 8. E-01		08/31	U		4
							~~BE-7~~	~~3.6 +- 4.4E-01~~		~~08/31~~			4
							K-40	1.66+-0.17E 01		08/31			4
							~~K-40~~	~~L.T. 3. E-00~~		~~08/31~~			4
							MN-54	L.T. 6. E-02		08/31	U		4
							~~MN-54~~	~~3.0 +-38.7E-03~~		~~08/31~~			4
							CO-58	L.T. 8. E-02		08/31	U		4
							~~CO-58~~	~~1.1 +- 4.9E-02~~		~~08/31~~			4
							FE-59	L.T. 2. E-01		08/31	U		4
							~~FE-59~~	~~6.8 +-11.6E-02~~		~~08/31~~			4
							CO-60	L.T. 7. E-02		08/31	U		4
							~~CO-60~~	~~2.7 +- 4.0E-02~~		~~08/31~~			4
							ZN-65	L.T. 2. E-01		08/31	U		4
							~~ZN-65~~	~~1.5 +- 9.5E-02~~		~~08/31~~			4
							ZR-95	L.T. 9. E-02		08/31	U		4
							~~ZR-95~~	~~5.0 +- 5.0E-02~~		~~08/31~~			4

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TELEDYNE ISOTOPES

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22709	9308L516-005	B08YH0	08/02				RU-103	L.T. 9. E-02		08/31	U		4
							~~RU-103~~	~~2.2 +- 5.8E-02~~		~~08/31~~			4
							RU-106	L.T. 6. E-01		08/31	U		4
							~~RU-106~~	~~3.6 +- 3.7E-01~~		~~08/31~~			4
							I-131	L.T. 7. E-01		08/31	U		4
							~~I-131~~	~~1.1 +- 4.2E-01~~		~~08/31~~			4
							CS-134	L.T. 8. E-02		08/31	U		4
							~~CS-134~~	~~3.1 +- 45.9E-03~~		~~08/31~~			4
							CS-137	L.T. 7. E-02		08/31	U		4
							~~CS-137~~	~~1.4 +- 43.4E-03~~		~~08/31~~			4
							BA-140	L.T. 3. E-01		08/31	U		4
							~~BA-140~~	~~4.8 +- 17.9E-02~~		~~08/31~~			4
							CE-141	L.T. 1. E-01		08/31	U		4
							~~CE-141~~	~~3.6 +- 8.1E-02~~		~~08/31~~			4
							CE-144	L.T. 3. E-01		08/31	U		4
							~~CE-144~~	~~4.0 +- 209.E-03~~		~~08/31~~			4
							EU-152	L.T. 2. E-01		08/31	U		4
							~~EU-152~~	~~3.1 +- 12.1E-02~~		~~08/31~~			4
							EU-154	L.T. 2. E-01		08/31	U		4
							~~EU-154~~	~~3.6 +- 12.2E-02~~		~~08/31~~			4
							EU-155	L.T. 2. E-01		08/31	U		4
							~~EU-155~~	~~3.6 +- 1.2E-01~~		~~08/31~~			4
							RA-226	L.T. 1. E 00		08/31	U		4
							~~RA-226~~	~~1.6 +- 6.9E-01~~		~~08/31~~			4
							TH-228	L.T. 1. E-01		08/31	U		4
							~~TH-228~~	~~3.0 +- 6.3E-02~~		~~08/31~~			4
							TH-234	L.T. 1. E 00		08/31	U		4
							~~TH-234~~	~~4.1 +- 7.1E-01~~		~~08/31~~			4
							TOTAL-U	L.T. 1. E 00		08/31	U		4
							~~TOTAL-U~~	~~4.12+-7.14E-01~~		~~08/31~~			4

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Revised

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/06/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22710	9308L516-006	B08YH1	08/02				SR-90	6.4 +-2.9 E-02		09/22			3
							TC-99	L.T. 4. E-01		10/06			3
							~~TC-99~~	~~1.7 +- 2.5 E-01~~		~~10/06~~			3
							~~SR-90~~	~~L.T. 3. E-02~~		~~09/22~~			3
							BE-7	L.T. 1. E 00		08/31			4
							~~BE-7~~	~~1.4 +- 9.0E-01~~		~~08/31~~			4
							K-40	9.38+-1.49E 00		08/31			4
							~~K-40~~	~~L.T. 5. E-00~~		~~08/31~~			4
							MN-54	L.T. 1. E-01		08/31			4
							~~MN-54~~	~~1.4 +- 9.1E-02~~		~~08/31~~			4
							CO-58	L.T. 2. E-01		08/31			4
							~~CO-58~~	~~1.2 +- 10.4E-02~~		~~08/31~~			4
							FE-59	L.T. 4. E-01		08/31			4
							~~FE-59~~	~~3.3 +- 23.0E-02~~		~~08/31~~			4
							CO-60	L.T. 1. E-01		08/31			4
							~~CO-60~~	~~4.7 +- 77.2E-03~~		~~08/31~~			4
							ZN-65	L.T. 3. E-01		08/31			4
							~~ZN-65~~	~~1.0 +- 1.7E-01~~		~~08/31~~			4
							ZR-95	L.T. 2. E-01		08/31			4
							~~ZR-95~~	~~1.6 +- 10.5E-02~~		~~08/31~~			4
							RU-103	L.T. 2. E-01		08/31			4
							~~RU-103~~	~~3.9 +- 12.2E-02~~		~~08/31~~			4
							RU-106	L.T. 1. E 00		08/31			4
							~~RU-106~~	~~1.6 +- 8.3E-01~~		~~08/31~~			4
							I-131	L.T. 2. E 00		08/31			4
							~~I-131~~	~~7.2 +- 9.2E-01~~		~~08/31~~			4
							CS-134	L.T. 2. E-01		08/31			4
							~~CS-134~~	~~4.6 +- 9.4E-02~~		~~08/31~~			4
							~~CS-137~~	~~1.54+- 0.80E-01~~		~~08/31~~			4
							CS-137	L.T. 2. E-01		08/31			4
							BA-140	L.T. 7. E-01		08/31			4
							~~BA-140~~	~~4.1 +- 3.8E-01~~		~~08/31~~			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3231	LL-1140-F4	08/11/93	09/13/93

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

S O L I D S

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22710	9308L516-006	B08YH1	08/02				CE-141	L.T. 3. E-01		08/31	U		4
							~~CE-141~~	~~2.0 +- 16.1E-02~~		~~08/31~~			4
							CE-144	L.T. 7. E-01		08/31	U		4
							~~CE-144~~	~~3.5 +- 42.0E-02~~		~~08/31~~			4
							EU-152	L.T. 4. E-01		08/31	U		4
							~~EU-152~~	~~1.1 +- 2.5E-01~~		~~08/31~~			4
							EU-154	L.T. 4. E-01		08/31	U		4
							~~EU-154~~	~~8.1 +- 24.8E-02~~		~~08/31~~			4
							EU-155	L.T. 4. E-01		08/31	U		4
							~~EU-155~~	~~7.1 +- 2.2E-01~~		~~08/31~~			4
							RA-226	L.T. 2. E 00		08/31	U		4
							~~RA-226~~	~~8.8 +- 136.E-02~~		~~08/31~~			4
							TH-228	L.T. 2. E-01		08/31	U		4
							~~TH-228~~	~~5.0 +- 13.4E-02~~		~~08/31~~			4
							TH-234	L.T. 2. E 00		08/31	U		4
							~~TH-234~~	~~1.0 +- 1.3E 00~~		~~08/31~~			4
							TOTAL-U	L.T. 2. E 00		08/31	U		4
							~~TOTAL-U~~	~~1.00+- 1.32E 00~~		~~08/31~~			4
22711	9308L516-007	B08YH2	08/02				SR-90	4.1 +-0.1 E 00		09/10		7.85 *	3
							TC-99	L.T. 5. E-01		10/01	~~UR~~ U		3
							~~TC-99~~	~~2.2 +- 28.9E-02~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 2. E-02~~		~~09/10~~			3
							BE-7	1.31+-0.64E 00		08/31			4
							~~BE-7~~	~~L.T. 1. E 00~~		~~08/31~~			4
							K-40	1.18+-0.12E 01		08/31			4
							~~K-40~~	~~L.T. 3. E 00~~		~~08/31~~			4
							MN-54	L.T. 1. E-01		08/31	U		4
							~~MN-54~~	~~1.9 +- 5.9E-02~~		~~08/31~~			4
							CO-58	L.T. 1. E-01		08/31	U		4
							~~CO-58~~	~~5.8 +- 6.8E-02~~		~~08/31~~			4
							FE-59	L.T. 3. E-01		08/31	U		4

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Revised 4/11/94

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verified 2/1/94

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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4-3231	LL-1140-F4	08/11/93	09/13/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22711	9308L516-007	B08YH2	08/02				FE-59	4.9 +- 15.4	E-02	08/31			4
							CO-60	L.T. 1.	E-01	08/31	U		4
							CO-60	3.8 +- 5.4	E-02	08/31			4
							ZN-65	L.T. 2.	E-01	08/31	U		4
							ZN-65	5.5 +- 128.	E-03	08/31			4
							ZR-95	L.T. 1.	E-01	08/31	U		4
							ZR-95	2.1 +- 7.4	E-02	08/31			4
							RU-103	L.T. 1.	E-01	08/31	U		4
							RU-103	4.0 +- 8.1	E-02	08/31			4
							RU-106	L.T. 9.	E-01	08/31	U		4
							RU-106	3.1 +- 5.5	E-01	08/31			4
							I-131	L.T. 1.	E 00	08/31	U		4
							I-131	1.5 +- 62.5	E-02	08/31			4
							CS-134	L.T. 1.	E-01	08/31	U		4
							CS-134	5.0 +- 6.4	E-02	08/31			4
							CS-137	L.T. 1.	E-01	08/31	U		4
							CS-137	7.3 +- 6.3	E-02	08/31			4
							BA-140	L.T. 4.	E-01	08/31	U		4
							BA-140	2.2 +- 2.5	E-01	08/31			4
							CE-141	L.T. 2.	E-01	08/31	U		4
							CE-141	4.9 +- 12.5	E-02	08/31			4
							CE-144	L.T. 5.	E-01	08/31	U		4
							CE-144	8.6 +- 32.2	E-02	08/31			4
							EU-152	L.T. 3.	E-01	08/31	U		4
							EU-152	3.1 +- 1.8	E-01	08/31			4
							EU-154	L.T. 5.	E-01	08/31	U		4
							EU-154	2.3 +- 2.3	E-01	08/31			4
							EU-155	L.T. 3.	E-01	08/31	U		4
							EU-155	8.8 +- 1.8	E-01	08/31			4
							RA-226	L.T. 2.	E 00	08/31	U		4
							RA-226	9.4 +- 10.2	E-01	08/31			4
							TH-228	L.T. 2.	E-01	08/31	U		4

verified 2/1/94

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3231	LL-1140-F4	08/11/93	09/13/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22711	9308L516-007	B08YH2	08/02				~~TH-228~~	~~9.2 +- 9.6E-02~~		~~08/31~~			4
							TH-234	L.T. 2. E 00		08/31	U		4
							~~TH-234~~	~~2.0 +- 10.7E-01~~		~~08/31~~			4
							TOTAL-U	~~1.99+- 10.7E-01~~ L.T. 2 E00		08/31	U		4
22712	9308L516-008	B08YH7	08/02				SR-90	1.7 +-0.1 E 00		09/10		15.33 *	3
							TC-99	L.T. 5. E-01		10/01	U		3
							~~TC-99~~	~~5.1 +-33.9E-02~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 3. E-02~~		~~09/10~~			3
							BE-7	L.T. 2. E 00		08/31	U		4
							~~BE-7~~	~~3.3 +-122.E-02~~		~~08/31~~			4
							K-40	4.62+-0.46E 01		08/31			4
							~~K-40~~	~~L.T. 8. E-00~~		~~08/31~~			4
							MN-54	L.T. 2. E-01		08/31	U		4
							~~MN-54~~	~~1.1 +-11.2E-02~~		~~08/31~~			4
							CO-58	L.T. 2. E-01		08/31	U		4
							~~CO-58~~	~~6.1 +-14.9E-02~~		~~08/31~~			4
							FE-59	L.T. 5. E-01		08/31	U		4
							~~FE-59~~	~~1.2 +-32.0E-02~~		~~08/31~~			4
							CO-60	L.T. 2. E-01		08/31	U		4
							~~CO-60~~	~~4.2 +-10.5E-02~~		~~08/31~~			4
							ZN-65	L.T. 4. E-01		08/31	U		4
							~~ZN-65~~	~~1.2 +-2.7E-01~~		~~08/31~~			4
							ZR-95	L.T. 2. E-01		08/31	U		4
							~~ZR-95~~	~~3.6 +-14.7E-02~~		~~08/31~~			4
							RU-103	L.T. 3. E-01		08/31	U		4
							~~RU-103~~	~~9.0 +-16.7E-02~~		~~08/31~~			4
							RU-106	L.T. 2. E 00		08/31	U		4
							~~RU-106~~	~~4.6 +-10.8E-01~~		~~08/31~~			4
							I-131	L.T. 2. E 00		08/31	U		4
							~~I-131~~	~~1.1 +-11.9E-01~~		~~08/31~~			4
							CS-134	L.T. 2. E-01		08/31	U		4

2/11/94

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Verified 2/10/94

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3231	LL-1140-F4	08/11/93	09/13/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22712	9308L516-008	808YH7	08/02				~~CS-134~~	~~1.4 +- 1.3E-01~~		~~08/31~~			4
							CS-137	L.T. 2. E-01		08/31	U		4
							~~CS-137~~	~~2.0 +- 1.3E-01~~		~~08/31~~			4
							BA-140	L.T. 7. E-01		08/31	U		4
							~~BA-140~~	~~2.1 +- 4.5E-01~~		~~08/31~~			4
							CE-141	L.T. 4. E-01		08/31	U		4
							~~CE-141~~	~~8.3 +- 237.E-03~~		~~08/31~~			4
							CE-144	L.T. 1. E 00		08/31	U		4
							~~CE-144~~	~~4.0 +- 6.1E-01~~		~~08/31~~			4
							EU-152	L.T. 6. E-01		08/31	U		4
							~~EU-152~~	~~4.4 +- 34.8E-02~~		~~08/31~~			4
							EU-154	L.T. 5. E-01		08/31	U		4
							~~EU-154~~	~~4.5 +- 3.7E-01~~		~~08/31~~			4
							EU-155	L.T. 5. E-01		08/31	U		4
							~~EU-155~~	~~3.5 +- 3.0E-01~~		~~08/31~~			4
							RA-226	L.T. 3. E 00		08/31	U		4
							~~RA-226~~	~~1.1 +- 19.9E-01~~		~~08/31~~			4
							TH-228	L.T. 3. E-01		08/31	U		4
							~~TH-228~~	~~8.3 +- 17.6E-02~~		~~08/31~~			4
							TH-234	L.T. 3. E 00		08/31	U		4
							~~TH-234~~	~~2.0 +- 17.9E-01~~		~~08/31~~			4
							TOTAL-U	L.T. 3. E 00		08/31	U		4
							~~TOTAL-U~~	~~2.04+- 17.9E-01~~		~~08/31~~			4
22713	9308L516-009	808YH8	08/02				SR-90	4.8 +-0.2 E 00		09/12			3
							TC-99	L.T. 5. E-01		10/01	U		3
							~~TC-99~~	~~0.0 +- 3.0 E-01~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 3. E-02~~		~~09/12~~			3
							~~BE-7~~	~~6.57+- 3.79E-01~~		~~09/02~~			4
							BE-7	L.T. 7. E-01		09/02	U		4
							K-40	5.26+-0.53E 01		09/02			4
							~~K-40~~	~~L.T. 4. E-00~~		~~09/02~~			4

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TELEDYNE ISOTOPES

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22713	9308L516-009	B08YH8	08/02				MN-54	L.T. 6. E-02		09/02			4
							~~MN-54~~	~~1.1 +- 35.7E-03~~		~~09/02~~			4
							CO-58	L.T. 8. E-02		09/02			4
							~~CO-58~~	~~1.7 +- 4.7E-02~~		~~09/02~~			4
							FE-59	L.T. 2. E-01		09/02			4
							~~FE-59~~	~~4.0 +- 12.4E-02~~		~~09/02~~			4
							CO-60	L.T. 6. E-02		09/02			4
							~~CO-60~~	~~6.0 +- 37.1E-03~~		~~09/02~~			4
							ZN-65	L.T. 2. E-01		09/02			4
							~~ZN-65~~	~~8.3 +- 94.8E-03~~		~~09/02~~			4
							ZR-95	L.T. 8. E-02		09/02			4
							~~ZR-95~~	~~3.1 +- 4.6E-02~~		~~09/02~~			4
							RU-103	L.T. 8. E-02		09/02			4
							~~RU-103~~	~~1.8 +- 5.0E-02~~		~~09/02~~			4
							RU-106	L.T. 5. E-01		09/02			4
							~~RU-106~~	~~1.9 +- 3.3E-01~~		~~09/02~~			4
							I-131	L.T. 7. E-01		09/02			4
							~~I-131~~	~~1.5 +- 4.2E-01~~		~~09/02~~			4
							CS-134	L.T. 7. E-02		09/02			4
							~~CS-134~~	~~1.9 +- 4.1E-02~~		~~09/02~~			4
							CS-137	3.83+-0.56E-01		09/02			4
							~~CS-137~~	~~L.T. 1. E-01~~		~~09/02~~			4
							BA-140	L.T. 3. E-01		09/02			4
							~~BA-140~~	~~8.6 +- 14.1E-02~~		~~09/02~~			4
							CE-141	L.T. 1. E-01		09/02			4
							~~CE-141~~	~~7.6 +- 6.9E-02~~		~~09/02~~			4
							CE-144	L.T. 3. E-01		09/02			4
							~~CE-144~~	~~1.7 +- 17.4E-02~~		~~09/02~~			4
							EU-152	L.T. 2. E-01		09/02			4
							~~EU-152~~	~~8.0 +- 96.9E-03~~		~~09/02~~			4
							EU-154	L.T. 2. E-01		09/02			4
							~~EU-154~~	~~2.3 +- 1.3E-01~~		~~09/02~~			4

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TELEDYNE ISOTOPES

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22713	9308L516-009	B08YH8	08/02				EU-155	L.T. 2. E-01		09/02	U		4
							~~EU-155~~	~~3.1 +- 0.9E-01~~		~~09/02~~			4
							RA-226	L.T. 9. E-01		09/02	U		4
							~~RA-226~~	~~5.3 +- 53.8E-02~~		~~09/02~~			4
							TH-228	L.T. 1. E-01		09/02	U		4
							~~TH-228~~	~~1.2 +- 0.5E-01~~		~~09/02~~			4
							TH-234	L.T. 1. E 00		09/02	U		4
							~~TH-234~~	~~2.5 +- 5.7E-01~~		~~09/02~~			4
							TOTAL-U	L.T. 1. E 00		09/02	U		4
							~~TOTAL-U~~	~~2.30+-5.71E-01~~		~~09/02~~			4
22714	9308L516-010	B08YH9	08/02				SR-90	2.5 +-0.6 E-01		09/16		11.18 *	3
							TC-99	L.T. 4. E-01		10/01	~~UR~~ U		3
							~~TC-99~~	~~2.4 +- 2.8 E-01~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 5. E-02~~		~~09/16~~			3
							BE-7	3.94+-0.71E 00		09/02			4
							~~BE-7~~	~~L.T. 1. E-00~~		~~09/02~~			4
							K-40	7.61+-0.90E 00		09/02			4
							~~K-40~~	~~L.T. 2. E-00~~		~~09/02~~			4
							MN-54	L.T. 7. E-02		09/02	U		4
							~~MN-54~~	~~1.3 +- 4.2E-02~~		~~09/02~~			4
							CO-58	L.T. 8. E-02		09/02	U		4
							~~CO-58~~	~~1.4 +- 5.1E-02~~		~~09/02~~			4
							FE-59	L.T. 2. E-01		09/02	U		4
							~~FE-59~~	~~2.7 +- 12.2E-02~~		~~09/02~~			4
							CO-60	L.T. 7. E-02		09/02	U		4
							~~CO-60~~	~~4.5 +- 40.7E-03~~		~~09/02~~			4
							ZN-65	L.T. 1. E-01		09/02	U		4
							~~ZN-65~~	~~2.9 +- 8.5E-02~~		~~09/02~~			4
							ZR-95	L.T. 7. E-02		09/02	U		4
							~~ZR-95~~	~~2.0 +- 4.6E-02~~		~~09/02~~			4
							RU-103	L.T. 1. E-01		09/02	U		4

Reissued 4/11/94

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3231	LL-1140-F4	08/11/93	09/13/93

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

SOLIDS

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22714	9308L516-010	808YH9	08/02				~~RU-103~~	~~1.4 +- 6.2E-02~~		~~09/02~~			4
							RU-106	L.T. 6. E-01		09/02	U		4
							~~RU-106~~	~~1.0 +- 3.9E-01~~		~~09/02~~			4
							I-131	L.T. 9. E-01		09/02	U		4
							~~I-131~~	~~2.7 +- 53.2E-02~~		~~09/02~~			4
							CS-134	L.T. 7. E-02		09/02	U		4
							~~CS-134~~	~~3.3 +- 4.7E-02~~		~~09/02~~			4
							CS-137	7.77+-0.78E-01		09/02			4
							~~CS-137~~	~~L.T. 2. E-01~~		~~09/02~~			4
							BA-140	L.T. 3. E-01		09/02	U		4
							~~BA-140~~	~~0.0 +- 1.9E-01~~		~~09/02~~			4
							CE-141	L.T. 2. E-01		09/02	U		4
							~~CE-141~~	~~1.8 +- 92.0E-03~~		~~09/02~~			4
							CE-144	L.T. 4. E-01		09/02	U		4
							~~CE-144~~	~~5.9 +- 22.9E-02~~		~~09/02~~			4
							EU-152	L.T. 2. E-01		09/02	U		4
							~~EU-152~~	~~0.0 +- 1.3E-01~~		~~09/02~~			4
							EU-154	L.T. 2. E-01		09/02	U		4
							~~EU-154~~	~~7.1 +- 11.1E-02~~		~~09/02~~			4
							EU-155	L.T. 2. E-01		09/02	U		4
							~~EU-155~~	~~3.6 +- 1.2E-01~~		~~09/02~~			4
							RA-226	L.T. 1. E 00		09/02	U		4
							~~RA-226~~	~~3.7 +- 737.E-03~~		~~09/02~~			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~09/02~~			4
							TH-228	1.4 +- 0.7E-01		09/02			4
							TH-234	L.T. 1. E 00		09/02	U		4
							~~TH-234~~	~~5.5 +- 7.3E-01~~		~~09/02~~			4
							TOTAL-U	L.T. 1. E 00		09/02	U		4
							~~TOTAL-U~~	~~5.53+-7.27E-01~~		~~09/02~~			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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4-3231	LL-1140-F4	08/11/93	09/13/93	17

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22715	9308L516-010DUP80RYH9		08/02				SR-90	3.3 +-0.6 E-01		09/16		11.18 *	3
							TC-99	L.T. 5. E-01		10/01			3
							~~TC-99~~	~~4.7 +-30.0E-02~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 4. E-02~~		~~09/16~~			3
							BE-7	4.76+-0.91E 00		09/07			4
							~~BE-7~~	~~L.T. 2. E-00~~		~~09/07~~			4
							K-40	6.87+-0.89E 00		09/07			4
							~~K-40~~	~~L.T. 3. E-00~~		~~09/07~~			4
							MN-54	L.T. 9. E-02		09/07	U		4
							~~MN-54~~	~~2.5 +-5.2E-02~~		~~09/07~~			4
							CO-58	L.T. 1. E-01		09/07	U		4
							~~CO-58~~	~~4.8 +- 6.7E-02~~		~~09/07~~			4
							FE-59	L.T. 2. E-01		09/07	U		4
							~~FE-59~~	~~6.0 +-149.E-03~~		~~09/07~~			4
							CO-60	L.T. 7. E-02		09/07	U		4
							~~CO-60~~	~~4.6 +-44.2E-03~~		~~09/07~~			4
							ZN-65	L.T. 2. E-01		09/07	U		4
							~~ZN-65~~	~~3.9 +- 9.7E-02~~		~~09/07~~			4
							ZR-95	L.T. 1. E-01		09/07	U		4
							~~ZR-95~~	~~2.4 +- 6.3E-02~~		~~09/07~~			4
							RU-103	L.T. 1. E-01		09/07	U		4
							~~RU-103~~	~~0.0 +- 8.0E-02~~		~~09/07~~			4
							RU-106	L.T. 8. E-01		09/07	U		4
							~~RU-106~~	~~2.6 +- 4.9E-01~~		~~09/07~~			4
							I-131	L.T. 2. E 00		09/07	U		4
							~~I-131~~	~~8.3 +-10.0E-01~~		~~09/07~~			4
							CS-134	L.T. 9. E-02		09/07	U		4
							~~CS-134~~	~~5.3 +-51.7E-03~~		~~09/07~~			4
							CS-137	8.31+-0.97E-01		09/07			4
							~~CS-137~~	~~L.T. 2. E-01~~		~~09/07~~			4
							BA-140	L.T. 4. E-01		09/07	U		4
							~~BA-140~~	~~2.3 +- 2.8E-01~~		~~09/07~~			4

Raised 4/11/94

Verified 2/10/94

4/11/94

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TELEDYNE ISOTOPES

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3231	LL-1140-F4	08/11/93	09/13/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22715	9308L516-010DUPB08YH9		08/02				CE-141	L.T. 2. E-01		09/07	U		4
							~~CE-141~~	~~5.5 +- 12.3E-02~~		~~09/07~~			4
							CE-144	L.T. 5. E-01		09/07	U		4
							~~CE-144~~	~~4.8 +- 281.E-03~~		~~09/07~~			4
							EU-152	L.T. 2. E-01		09/07	U		4
							~~EU-152~~	~~2.6 +- 1.5E-01~~		~~09/07~~			4
							EU-154	L.T. 2. E-01		09/07	U		4
							~~EU-154~~	~~2.6 +- 13.1E-02~~		~~09/07~~			4
							EU-155	L.T. 3. E-01		09/07	U		4
							~~EU-155~~	~~7.5 +- 15.1E-02~~		~~09/07~~			4
							RA-226	L.T. 1. E 00		09/07	U		4
							~~RA-226~~	~~2.4 +- 8.7E-01~~		~~09/07~~			4
							TH-228	L.T. 2. E-01		09/07	U		4
							~~TH-228~~	~~1.4 +- 0.8E-01~~		~~09/07~~			4
							TH-234	L.T. 1. E 00		09/07	U		4
							~~TH-234~~	~~4.3 +- 8.8E-01~~		~~09/07~~			4
							TOTAL-U	L.T. 2. E 00		09/07	U		4
							~~TOTAL-U~~	~~4.31+- 8.81E-01~~		~~09/07~~			4
22716	9308L516-011	B08YJ5	08/04				SR-90	2.8 +-0.4 E-01		09/10		5.05 *	3
							TC-99	L.T. 5. E-01		10/01	~~UR~~ U		3
							~~TC-99~~	~~1.1 +- 3.38E-01~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 2. E-02~~		~~09/10~~			3
							BE-7	L.T. 1. E 00		09/02	U		4
							~~BE-7~~	~~2.2 +- 7.7E-01~~		~~09/02~~			4
							K-40	7.10+-0.94E 00		09/02	U		4
							~~K-40~~	~~L.T. 3. E 00~~		~~09/02~~			4
							MN-54	L.T. 8. E-02		09/02	U		4
							~~MN-54~~	~~2.0 +- 5.3E-02~~		~~09/02~~			4
							CO-58	L.T. 1. E-01		09/02	U		4
							~~CO-58~~	~~5.8 +- 6.5E-02~~		~~09/02~~			4
							FE-59	L.T. 2. E-01		09/02	U		4

Revised 4/11/94

4/11/94

4/9/94

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9413281.0134

TELEDYNE ISOTOPES

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22716	9308L516-011	B08YJ5	08/04				~~FE-59~~	~~1.9 +- 14.2E-02~~		~~09/02~~			4
							CO-60	3.01+-0.71E-01		09/02			4
							~~CO-60~~	~~L.T. 2. E-01~~		~~09/02~~			4
							ZN-65	L.T. 2. E-01		09/02			4
							~~ZN-65~~	~~1.0 +- 11.9E-02~~		~~09/02~~			4
							ZR-95	L.T. 1. E-01		09/02			4
							~~ZR-95~~	~~9.1 +- 7.0E-02~~		~~09/02~~			4
							RU-103	L.T. 2. E-01		09/02			4
							~~RU-103~~	~~0.0 +- 9.2E-02~~		~~09/02~~			4
							RU-106	L.T. 9. E-01		09/02			4
							~~RU-106~~	~~1.4 +- 5.6E-01~~		~~09/02~~			4
							I-131	L.T. 1. E 00		09/02			4
							~~I-131~~	~~2.8 +- 6.7E-01~~		~~09/02~~			4
							CS-134	L.T. 1. E-01		09/02			4
							~~CS-134~~	~~3.3 +- 6.0E-02~~		~~09/02~~			4
							CS-137	8.04+-0.80E 00		09/02			4
							~~CS-137~~	~~L.T. 6. E-01~~		~~09/02~~			4
							BA-140	L.T. 4. E-01		09/02			4
							~~BA-140~~	~~2.0 +- 2.1E-01~~		~~09/02~~			4
							CE-141	L.T. 2. E-01		09/02			4
							~~CE-141~~	~~4.0 +- 11.1E-02~~		~~09/02~~			4
							CE-144	L.T. 5. E-01		09/02			4
							~~CE-144~~	~~5.7 +- 28.9E-02~~		~~09/02~~			4
							EU-152	L.T. 3. E-01		09/02			4
							~~EU-152~~	~~5.2 +- 18.8E-02~~		~~09/02~~			4
							EU-154	L.T. 4. E-01		09/02			4
							~~EU-154~~	~~2.5 +- 2.0E-01~~		~~09/02~~			4
							EU-155	L.T. 3. E-01		09/02			4
							~~EU-155~~	~~7.9 +- 1.5E-01~~		~~09/02~~			4
							RA-226	L.T. 2. E 00		09/02			4
							~~RA-226~~	~~4.3 +- 98.2E-02~~		~~09/02~~			4
							TH-228	L.T. 2. E-01		09/02			4

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TELEDYNE ISOTOPES

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3231	LL-1140-F4	08/11/93	09/13/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22716	9308L516-011	B08YJ5	08/04				~~TH-228~~	~~9.9 +- 9.4E-02~~		~~09/02~~			4
							TH-234	L.T. 2. E 00		09/02	U5		4
							~~TH-234~~	~~7.0 +- 9.3E-01~~		~~09/02~~			4
							TOTAL-U	L.T. 2. E 00		09/02	U5		4
							~~TOTAL-U~~	~~7.02+-9.35E-01~~		~~09/02~~			4
22717	9308L516-012	B08YJ6	08/04				SR-90	1.3 +-0.2 E-01		09/11		10.02 *	3
							TC-99	L.T. 6. E-01		10/01	U		3
							~~TC-99~~	~~2.2 +-3.30E-01~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 2. E-02~~		~~09/11~~			3
							BE-7	L.T. 1. E 00		09/02	U5		4
							~~BE-7~~	~~2.4 +- 7.9E-01~~		~~09/02~~			4
							K-40	2.60+-0.62E 00		09/02	5		4
							~~K-40~~	~~L.T. 2. E 00~~		~~09/02~~			4
							MN-54	L.T. 9. E-02		09/02	U5		4
							~~MN-54~~	~~3.7 +-51.8E-03~~		~~09/02~~			4
							CO-58	L.T. 1. E-01		09/02	U5		4
							~~CO-58~~	~~4.6 +-64.6E-03~~		~~09/02~~			4
							FE-59	L.T. 2. E-01		09/02	U5		4
							~~FE-59~~	~~6.0 +-139.E-03~~		~~09/02~~			4
							CO-60	L.T. 9. E-02		09/02	U5		4
							~~CO-60~~	~~4.3 +- 5.0E-02~~		~~09/02~~			4
							ZN-65	L.T. 2. E-01		09/02	U5		4
							~~ZN-65~~	~~5.1 +-10.7E-02~~		~~09/02~~			4
							ZR-95	L.T. 1. E-01		09/02	U5		4
							~~ZR-95~~	~~3.1 +- 6.9E-02~~		~~09/02~~			4
							RU-103	L.T. 2. E-01		09/02	U5		4
							~~RU-103~~	~~6.8 +- 9.8E-02~~		~~09/02~~			4
							RU-106	L.T. 9. E-01		09/02	U5		4
							~~RU-106~~	~~7.5 +-55.1E-02~~		~~09/02~~			4
							I-131	L.T. 1. E 00		09/02	U5		4
							~~I-131~~	~~2.2 +- 7.0E-01~~		~~09/02~~			4

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4/9/94

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Revised 4/11/94

Verified 2/10/94

TELEDYNE ISOTOPES

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT DATE	MID-COUNT TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22717	9308L516-012	808YJ6	08/04				CS-134	L.T. 9. E-02		09/02	U		4
							~~CS-134~~	~~2.2 +- 5.7E-02~~		~~09/02~~			4
							CS-137	8.62+-0.86E 00		09/02			4
							~~CS-137~~	~~L.T. 6. E-01~~		~~09/02~~			4
							BA-140	L.T. 4. E-01		09/02	U		4
							~~BA-140~~	~~1.0 +- 2.2E-01~~		~~09/02~~			4
							CE-141	L.T. 2. E-01		09/02	U		4
							~~CE-141~~	~~3.6 +-11.7E-02~~		~~09/02~~			4
							CE-144	L.T. 5. E-01		09/02	U		4
							~~CE-144~~	~~1.0 +-30.8E-02~~		~~09/02~~			4
							EU-152	L.T. 3. E-01		09/02	U		4
							~~EU-152~~	~~2.6 + 1.9E-01~~		~~09/02~~			4
							EU-154	L.T. 2. E-01		09/02	U		4
							~~EU-154~~	~~3.6 + 14.3E-02~~		~~09/02~~			4
							EU-155	L.T. 3. E-01		09/02	U		4
							~~EU-155~~	~~1.5 + 1.5E-01~~		~~09/02~~			4
							RA-226	L.T. 2. E 00		09/02	U		4
							~~RA-226~~	~~6.5 +-10.4E-01~~		~~09/02~~			4
							TH-228	L.T. 2. E-01		09/02	U		4
							~~TH-228~~	~~5.3 +- 9.8E-02~~		~~09/02~~			4
							TH-234	L.T. 2. E 00		09/02	U		4
							~~TH-234~~	~~5.9 +- 9.1E-01~~		~~09/02~~			4
							TOTAL-U	L.T. 2. E 00		09/02	U		4
							~~TOTAL-U~~	~~5.92+-9.08E-01~~		~~09/02~~			4
22718	9308L516-013	808YJ7	08/04				SR-90	3.0 +-0.4 E-01		09/11		7.80 *	3
							TC-99	L.T. 4. E-01		10/01	~~UR~~ U		3
							~~TC-99~~	~~6.0 +-25.8E-02~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 2. E-02~~		~~09/11~~			3
							BE-7	L.T. 2. E 00		09/03	U		4
							~~BE-7~~	~~2.0 +-10.4E-01~~		~~09/03~~			4
							K-40	1.60+-0.19E 01		09/03			4

Revised 4/11/94

4/11/94

4/11/94

Verified 2/10/94

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9413281.0157

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3231	LL-1140-F4	08/11/93	09/13/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	Q	VOLUME - UNITS ASH-WGHT-% *	LAB.
22718	9308L516-013	B08YJ7	08/04				~~K-40~~	~~L.T. 5. E 00~~		~~09/03~~				4
							MN-54	L.T. 1. E-01		09/03		U		4
							~~MN-54~~	~~1.7 +- 8.6E-02~~		~~09/03~~				4
							CO-58	L.T. 2. E-01		09/03		U		4
							~~CO-58~~	~~1.0 +- 1.1E-01~~		~~09/03~~				4
							FE-59	L.T. 4. E-01		09/03		U		4
							~~FE-59~~	~~5.7 +-25.1E-02~~		~~09/03~~				4
							CO-60	L.T. 1. E-01		09/03		U		4
							~~CO-60~~	~~2.4 +- 8.4E-02~~		~~09/03~~				4
							ZN-65	L.T. 3. E-01		09/03		U		4
							~~ZN-65~~	~~8.7 +-20.2E-02~~		~~09/03~~				4
							ZR-95	L.T. 2. E-01		09/03		U		4
							~~ZR-95~~	~~4.1 +-110.E-03~~		~~09/03~~				4
							RU-103	L.T. 2. E-01		09/03		U		4
							~~RU-103~~	~~2.4 +-12.9E-02~~		~~09/03~~				4
							RU-106	L.T. 1. E 00		09/03		U		4
							~~RU-106~~	~~2.4 +- 8.3E-01~~		~~09/03~~				4
							I-131	L.T. 2. E 00		09/03		U		4
							~~I-131~~	~~2.5 +- 9.8E-01~~		~~09/03~~				4
							CS-134	L.T. 1. E-01		09/03		U		4
							~~CS-134~~	~~6.4 +- 9.1E-02~~		~~09/03~~				4
							CS-137	3.55+-0.35E 00		09/03				4
							~~CS-137~~	~~L.T. 5. E-01~~		~~09/03~~				4
							BA-140	L.T. 6. E-01		09/03		U		4
							~~BA-140~~	~~8.7 +-37.4E-02~~		~~09/03~~				4
							CE-141	L.T. 3. E-01		09/03		U		4
							~~CE-141~~	~~6.2 +-16.9E-02~~		~~09/03~~				4
							CE-144	L.T. 7. E-01		09/03		U		4
							~~CE-144~~	~~8.9 +-443.E-03~~		~~09/03~~				4
							EU-152	L.T. 4. E-01		09/03		U		4
							~~EU-152~~	~~2.6 +- 2.7E-01~~		~~09/03~~				4
							EU-154	L.T. 4. E-01		09/03		U		4

Verified [signature] 2/10/94

Revised [signature] 4/11/94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3231	LL-1140-F4	08/11/93	09/13/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22718	9308L516-013	B08YJ7	08/04				~~EU-154~~	~~0.0 +- 2.3E-01~~		~~09/03~~			4
							EU-155	L.T. 4. E-01		09/03	U		4
							~~EU-155~~	~~6.6 +- 2.3E-01~~		~~09/03~~			4
							RA-226	L.T. 2. E 00		09/03	U		4
							~~RA-226~~	~~2.0 +- 13.9E-01~~		~~09/03~~			4
							TH-228	L.T. 3. E-01		09/03	U		4
							~~TH-228~~	~~2.0 +- 1.4E-01~~		~~09/03~~			4
							TH-234	L.T. 2. E 00		09/03	U		4
							~~TH-234~~	~~7.6 +- 13.4E-01~~		~~09/03~~			4
							TOTAL-U	L.T. 2. E 00		09/03	U		4
							~~TOTAL-U~~	~~7.59 +- 13.4E-01~~		~~09/03~~			4
22719	9308L516-014	B08YJ8	08/04				SR-90	4.2 +-0.2 E 00		09/16		6.65 *	3
							TC-99	L.T. 6. E-01		10/01	~~UCR~~ U		3
							~~TC-99~~	~~2.7 +- 34.3E-02~~		~~10/01~~			3
							~~SR-90~~	~~L.T. 3. E-02~~		~~09/16~~			3
							BE-7	L.T. 2. E 00		09/03	U		4
							~~BE-7~~	~~9.6 +- 8.6E-01~~		~~09/03~~			4
							K-40	7.81+-1.26E 00		09/03			4
							~~K-40~~	~~L.T. 4. E 00~~		~~09/03~~			4
							MN-54	L.T. 1. E-01		09/03	U		4
							~~MN-54~~	~~2.6 +- 7.5E-02~~		~~09/03~~			4
							CO-58	L.T. 1. E-01		09/03	U		4
							~~CO-58~~	~~7.2 +- 9.5E-02~~		~~09/03~~			4
							FE-59	L.T. 3. E-01		09/03	U		4
							~~FE-59~~	~~1.4 +- 2.0E-01~~		~~09/03~~			4
							CO-60	L.T. 1. E-01		09/03	U		4
							~~CO-60~~	~~4.0 +- 61.2E-03~~		~~09/03~~			4
							ZN-65	L.T. 3. E-01		09/03	U		4
							~~ZN-65~~	~~0.0 +- 1.6E-01~~		~~09/03~~			4
							ZR-95	L.T. 2. E-01		09/03	U		4
							~~ZR-95~~	~~8.3 +- 9.9E-02~~		~~09/03~~			4

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9413281.0159

TELEDYNE ISOTOPES

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4-3231	LL-1140-F4	08/11/93	09/13/93	

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

SOLIDS

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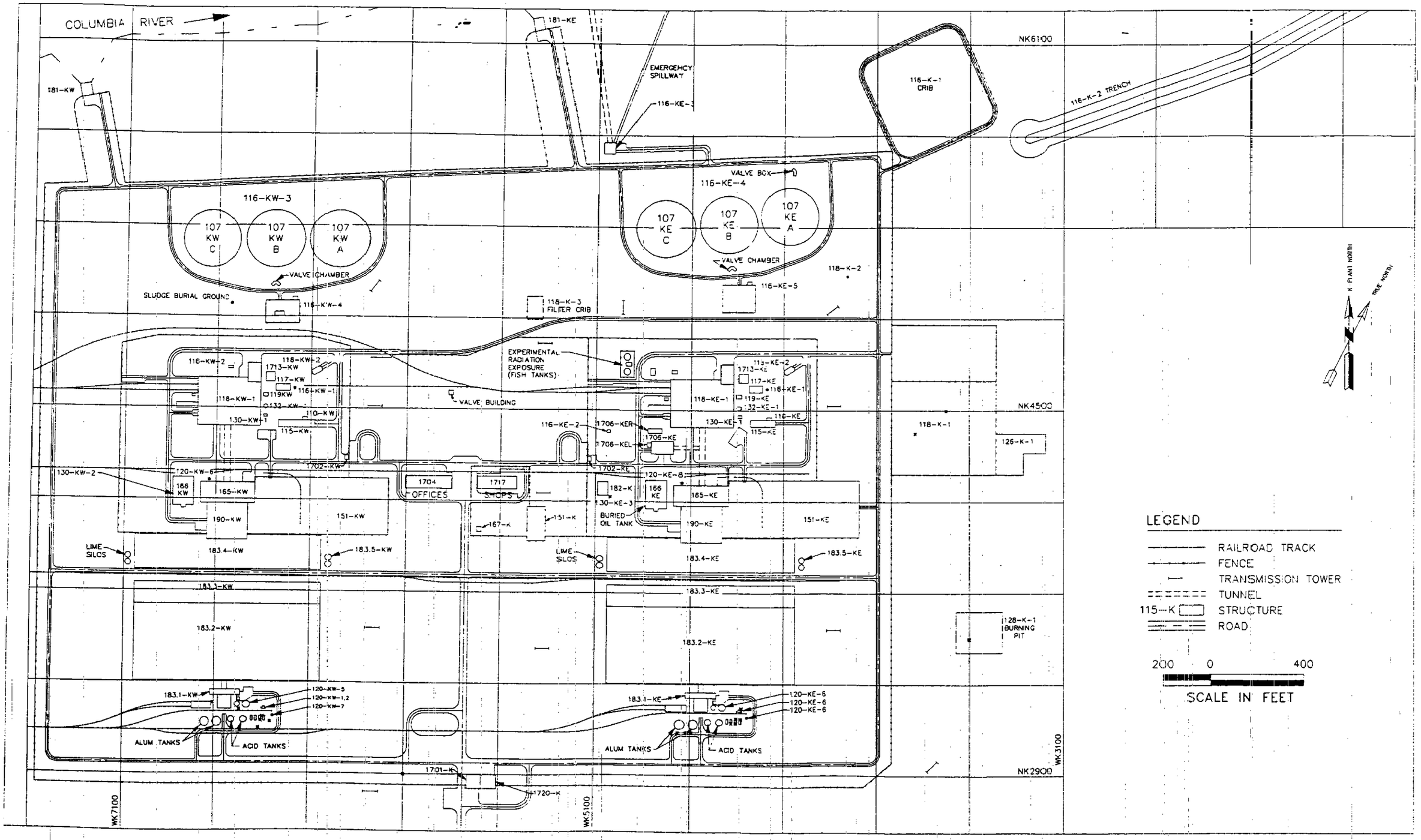
TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M ÷	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% ÷	LAB.
22719	9308L516-014	B08YJ8	08/04				RU-103	L.T. 2. E-01		09/03	U		4
							~~RU-103~~	~~1.4 +- 11.3E-02~~		~~09/03~~			4
							RU-106	L.T. 1. E 00		09/03	U		4
							~~RU-106~~	~~1.8 +- 7.4E-01~~		~~09/03~~			4
							I-131	L.T. 1. E 00		09/03	U		4
							~~I-131~~	~~5.1 +- 8.7E-01~~		~~09/03~~			4
							CS-134	L.T. 1. E-01		09/03	U		4
							~~CS-134~~	~~4.9 +- 8.9E-02~~		~~09/03~~			4
							CS-137	2.39+-0.95E-01		09/03			4
							~~CS-137~~	~~L.T. 2. E-01~~		~~09/03~~			4
							BA-140	L.T. 7. E-01		09/03	U		4
							~~BA-140~~	~~2.4 +- 4.1E-01~~		~~09/03~~			4
							CE-141	L.T. 2. E-01		09/03	U		4
							~~CE-141~~	~~1.2 +- 1.5E-01~~		~~09/03~~			4
							CE-144	L.T. 7. E-01		09/03	U		4
							~~CE-144~~	~~6.9 +-39.7E-02~~		~~09/03~~			4
							EU-152	L.T. 4. E-01		09/03	U		4
							~~EU-152~~	~~1.5 +- 2.4E-01~~		~~09/03~~			4
							EU-154	L.T. 6. E-01		09/03	U		4
							~~EU-154~~	~~8.5 +-30.2E-02~~		~~09/03~~			4
							EU-155	L.T. 4. E-01		09/03	U		4
							~~EU-155~~	~~1.1 +- 0.2E-00~~		~~09/03~~			4
							RA-226	L.T. 2. E 00		09/03	U		4
							~~RA-226~~	~~7.3 +- 12.7E-01~~		~~09/03~~			4
							~~TH-228~~	~~L.T. 3. E-01~~		~~09/03~~			4
							TH-228	3.7 +- 1.3E-01		09/03			4
							TH-234	L.T. 2. E 00		09/03	U		4
							~~TH-234~~	~~3.6 +- 13.0E-01~~		~~09/03~~			4
							TOTAL-U	L.T. 2. E 00		09/03	U		4
							~~TOTAL-U~~	~~3.57+-13.0E-01~~		~~09/03~~			4

Revised 4/11/94

Verified 2/10/94

Figure 1-3 Waste Sites in the 100 K Area



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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS....

REVISED 02/24/94
RUN DATE 09/21/93

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4-3215	LL-1140-F4	08/11/93	09/13/93	1

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22685	9308L515-001	B08YF8	07/30				TC-99	L.T. 8. E-01		09/01			3
							SR-90	L.T. 6. E-02		09/01			3
							~~SR-90~~	~~5.6 +- 4.64E-02~~		~~09/01~~			3
							~~TC-99~~	~~4.2 +- 45.8E-02~~		~~09/01~~			3
							BE-7	L.T. 3. E-01		08/19			4
							~~BE-7~~	~~2.0 +- 2.0E-01~~		~~08/19~~			4
							K-40	1.80+-0.18E 01		08/19			4
							~~K-40~~	~~L.T. 2. E 00~~		~~08/19~~			4
							MN-54	L.T. 4. E-02		08/19			4
							~~MN-54~~	~~8.7 +- 21.3E-03~~		~~08/19~~			4
							CO-58	L.T. 4. E-02		08/19			4
							~~CO-58~~	~~3.3 +- 24.0E-03~~		~~08/19~~			4
							FE-59	L.T. 1. E-01		08/19			4
							~~FE-59~~	~~3.4 +- 60.0E-03~~		~~08/19~~			4
							CO-60	L.T. 3. E-02		08/19			4
							~~CO-60~~	~~1.7 +- 20.0E-03~~		~~08/19~~			4
							ZN-65	L.T. 8. E-02		08/19			4
							~~ZN-65~~	~~1.6 +- 5.0E-02~~		~~08/19~~			4
							ZR-95	L.T. 4. E-02		08/19			4
							~~ZR-95~~	~~3.2 +- 25.0E-03~~		~~08/19~~			4
							RU-103	L.T. 4. E-02		08/19			4
							~~RU-103~~	~~7.5 +- 24.0E-03~~		~~08/19~~			4
							RU-106	L.T. 3. E-01		08/19			4
							~~RU-106~~	~~2.7 +- 19.0E-02~~		~~08/19~~			4
							I-131	L.T. 2. E-01		08/19			4
							~~I-131~~	~~2.2 +- 9.0E-02~~		~~08/19~~			4
							~~CS-134~~	~~L.T. 4. E-02~~		~~08/19~~			4
							CS-134	~~4.6 +- 2.4E-02~~	5.0±2.4E-02	08/19			4
							CS-137	L.T. 4. E-02		08/19			4
							~~CS-137~~	~~1.2 +- 2.3E-02~~		~~08/19~~			4
							BA-140	L.T. 1. E-01		08/19			4
							~~BA-140~~	~~2.9 +- 60.2E-03~~		~~08/19~~			4

The thorium-234 results have been revised to reflect the correct energy level on WO#4-3215.

WHC-SD-EN-TI-249, Rev. 0

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Revised 4/11/94

.011

4/8/94 2/24/94 verified

9413281.0142

TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

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REVISED 02/24/94
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PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22685	9308L515-001	B08YF8	07/30				CE-141	L.T. 6. E-02		08/19	U		4
							~~CE-141~~	~~2.2 +- 3.86E-02~~		~~08/19~~			4
							CE-144	L.T. 2. E-01		08/19	U		4
							~~CE-144~~	~~1.7 +- 1.2E-01~~		~~08/19~~			4
							EU-152	L.T. 1. E-01		08/19	U		4
							~~EU-152~~	~~4.7 +- 0.8E-01~~		~~08/19~~			4
							EU-154	L.T. 1. E-01		08/19	U		4
							~~EU-154~~	~~2.4 +- 7.4E-02~~		~~08/19~~			4
							EU-155	L.T. 1. E-01		08/19	U		4
							~~EU-155~~	~~5.1 +- 605.E-04~~		~~08/19~~			4
							RA-226	1.32+-0.33E 00		08/19			4
							~~RA-226~~	~~L.T. 7. E-01~~		~~08/19~~			4
							TH-228	1.05+-0.11E 00		08/19			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~08/19~~			4
							TH-234	1.9 +-0.4 E 00		08/19			4
							~~TH-234~~	~~L.T. 7. E-01~~		~~08/19~~			4
							TOTAL-U	3.89+-0.83E 00		08/19			4
							~~TOTAL-U~~	~~L.T. 7. E-01~~		~~08/19~~			4
22686	9308L515-002	B08YG0	07/30				TC-99	L.T. 1. E 00		09/01	U		3
							SR-90	L.T. 5. E-02		09/01	U		3
							~~SR-90~~	~~4.9 +- 4.06E-02~~		~~09/01~~			3
							~~TC-99~~	~~2.3 +- 5.69E-01~~		~~09/01~~			3
							BE-7	L.T. 3. E-01		08/19	U		4
							~~BE-7~~	~~2.7 +- 20.2E-02~~		~~08/19~~			4
							K-40	1.91+-0.19E 01		08/19			4
							~~K-40~~	~~L.T. 2. E-00~~		~~08/19~~			4
							MN-54	L.T. 4. E-02		08/19	U		4
							~~MN-54~~	~~9.4 +- 22.8E-03~~		~~08/19~~			4
							CO-58	L.T. 4. E-02		08/19	U		4
							~~CO-58~~	~~6.1 +- 24.0E-03~~		~~08/19~~			4
							FE-59	L.T. 9. E-02		08/19	U		4

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Verified 2/28/94

4/8/94

9413281.0143

TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

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LIONVILLE PA 19341-1313

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Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT DATE	MID-COUNT TIME	VOLUME - UNITS ASH-WGHT-% ◊	LAB.
22686	9308L515-002	608YG0	07/30				~~FE-59~~	~~1.2 +- 5.7E-02~~		~~08/19~~			4
							CO-60	L.T. 3. E-02		08/19	U		4
							~~CO-60~~	~~9.1 +- 19.4E-03~~		~~08/19~~			4
							ZN-65	L.T. 8. E-02		08/19	U		4
							~~ZN-65~~	~~2.1 +- 4.9E-02~~		~~08/19~~			4
							ZR-95	L.T. 5. E-02		08/19	U		4
							~~ZR-95~~	~~2.0 +- 2.8E-02~~		~~08/19~~			4
							RU-103	L.T. 4. E-02		08/19	U		4
							~~RU-103~~	~~4.2 +- 25.9E-03~~		~~08/19~~			4
							RU-106	L.T. 3. E-01		08/19	U		4
							~~RU-106~~	~~1.4 +- 2.0E-01~~		~~08/19~~			4
							I-131	L.T. 2. E-01		08/19	U		4
							~~I-131~~	~~2.0 +- 10.4E-02~~		~~08/19~~			4
							CS-134	L.T. 5. E-02		08/19	U		4
							~~CS-134~~	~~4.1 +- 2.6E-02~~		~~08/19~~			4
							CS-137	L.T. 4. E-02		08/19	U		4
							~~CS-137~~	~~1.7 +- 2.3E-02~~		~~08/19~~			4
							BA-140	L.T. 1. E-01		08/19	U		4
							~~BA-140~~	~~8.8 +- 57.1E-03~~		~~08/19~~			4
							CE-141	L.T. 6. E-02		08/19	U		4
							~~CE-141~~	~~1.7 +- 3.8E-02~~		~~08/19~~			4
							CE-144	L.T. 2. E-01		08/19	U		4
							~~CE-144~~	~~1.3 +- 1.2E-01~~		~~08/19~~			4
							EU-152	L.T. 1. E-01		08/19	U		4
							~~EU-152~~	~~6.9 +- 8.8E-01~~		~~08/19~~			4
							EU-154	L.T. 1. E-01		08/19	U		4
							~~EU-154~~	~~9.5 +- 8.3E-02~~		~~08/19~~			4
							EU-155	L.T. 1. E-01		08/19	U		4
							~~EU-155~~	~~4.9 +- 7.3E-02~~		~~08/19~~			4
							RA-226	1.34+-0.39E 00		08/19	U		4
							~~RA-226~~	~~L.T. 7. E-01~~		~~08/19~~			4
							TH-228	9.23+-0.92E-01		08/19	U		4

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Verified
4/8/94 2/28/94

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

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MRS JOSIE EDWARDS
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208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22686	930BL515-002	B08YG0	07/30				~~TH-228~~	~~L.T. 1. E-01~~		~~08/19~~			4
							TH-234	1.5 +-0.4 E 00		08/19			4
							~~TH-234~~	~~L.T. 7. E-01~~		~~08/19~~			4
							TOTAL-U	3.04+-0.78E 00		08/19			4
							~~TOTAL-U~~	~~L.T. 7. E-01~~		~~08/19~~			4
22687	930BL515-003	B08YG2	07/30				TC-99	L.T. 1. E 00		09/01			3
							SR-90	6.7 +-4.1 E-02		09/01			3
							~~SR-90~~	~~L.T. 5. E-02~~		~~09/01~~			3
							~~TC-99~~	~~5.0 +-63.5E-02~~		~~09/01~~			3
							BE-7	L.T. 3. E-01		08/19			4
							~~BE-7~~	~~9.3 +-19.0E-02~~		~~08/19~~			4
							K-40	1.70+-0.17E 01		08/19			4
							~~K-40~~	~~L.T. 2. E-00~~		~~08/19~~			4
							MN-54	L.T. 4. E-02		08/19			4
							~~MN-54~~	~~1.4 +-2.2E-02~~		~~08/19~~			4
							CO-58	L.T. 4. E-02		08/19			4
							~~CO-58~~	~~1.9 +-22.1E-03~~		~~08/19~~			4
							FE-59	L.T. 9. E-02		08/19			4
							~~FE-59~~	~~0.0 +-5.4E-02~~		~~08/19~~			4
							CO-60	L.T. 3. E-02		08/19			4
							~~CO-60~~	~~3.1 +-16.6E-03~~		~~08/19~~			4
							ZN-65	L.T. 7. E-02		08/19			4
							~~ZN-65~~	~~4.9 +-4.7E-02~~		~~08/19~~			4
							ZR-95	L.T. 4. E-02		08/19			4
							~~ZR-95~~	~~1.8 +-2.4E-02~~		~~08/19~~			4
							RU-103	L.T. 4. E-02		08/19			4
							~~RU-103~~	~~1.1 +-2.5E-02~~		~~08/19~~			4
							RU-106	L.T. 3. E-01		08/19			4
							~~RU-106~~	~~1.3 +-1.9E-01~~		~~08/19~~			4
							I-131	L.T. 2. E-01		08/19			4
							~~I-131~~	~~7.7 +-9.9E-02~~		~~08/19~~			4

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4/8/94 2/22/94

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

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MRS JOSIE EDWARDS
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PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22687	9308L515-003	B08YG2	07/30				CS-134	~~L.T. 4. E-02~~ 4.8± 2.2E-02		~~08/19~~			4
							~~CS-134~~	~~5.0 +- 2.3E-02~~		~~08/19~~			4
							CS-137	L.T. 4. E-02		08/19			4
							~~CS-137~~	~~1.2 +- 2.2E-02~~		~~08/19~~			4
							BA-140	L.T. 8. E-02		08/19			4
							~~BA-140~~	~~8.0 +- 4.7E-02~~		~~08/19~~			4
							CE-141	L.T. 6. E-02		08/19			4
							~~CE-141~~	~~1.6 +- 3.7E-02~~		~~08/19~~			4
							CE-144	L.T. 2. E-01		08/19			4
							~~CE-144~~	~~1.1 +- 1.1E-01~~		~~08/19~~			4
							EU-152	L.T. 1. E-01		08/19			4
							~~EU-152~~	~~4.5 +- 8.7E-01~~		~~08/19~~			4
							EU-154	L.T. 1. E-01		08/19			4
							~~EU-154~~	~~4.2 +- 6.8E-02~~		~~08/19~~			4
							EU-155	L.T. 1. E-01		08/19			4
							~~EU-155~~	~~1.1 +- 0.6E-01~~		~~08/19~~			4
							RA-226	1.23+-0.39E 00		08/19			4
							~~RA-226~~	~~L.T. 7. E-01~~		~~08/19~~			4
							TH-228	8.57+-0.86E-01		08/19			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~08/19~~			4
							TH-234	1.0 +-0.3 E 00		08/19			4
							~~TH-234~~	~~L.T. 7. E-01~~		~~08/19~~			4
							TOTAL-U	2.05+-0.69E 00		08/19			4
							~~TOTAL-U~~	~~L.T. 7. E-01~~		~~08/19~~			4
22688	9308L515-004	B08YG4	07/30				TC-99	L.T. 9. E-01		09/01			3
							SR-90	L.T. 5. E-02		09/01			3
							~~SR-90~~	~~4.2 +- 3.94E-02~~		~~09/01~~			3
							~~TC-99~~	~~1.7 +- 5.05E-01~~		~~09/01~~			3
							BE-7	L.T. 3. E-01		08/20			4
							~~BE-7~~	~~9.1 +- 18.7E-02~~		~~08/20~~			4
							K-40	1.71+-0.17E 01		08/20			4

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MRS JOSIE EDWARDS
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PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCT/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22688	9308L515-004	008Y64	07/30				~~K-40~~	~~L.T. 2. E-00~~		~~08/20~~			4
							MN-54	L.T. 3. E-02		08/20	4		4
							~~MN-54~~	~~4.3 + 20.7E-03~~		~~08/20~~			4
							CO-58	L.T. 4. E-02		08/20	4		4
							~~CO-58~~	~~8.8 + 22.8E-03~~		~~08/20~~			4
							FE-59	L.T. 9. E-02		08/20	4		4
							~~FE-59~~	~~2.1 + 5.4E-02~~		~~08/20~~			4
							CO-60	L.T. 3. E-02		08/20	4		4
							~~CO-60~~	~~7.7 + 163.E-04~~		~~08/20~~			4
							ZN-65	L.T. 7. E-02		08/20	4		4
							~~ZN-65~~	~~1.1 + 4.4E-02~~		~~08/20~~			4
							ZR-95	L.T. 4. E-02		08/20	4		4
							~~ZR-95~~	~~2.6 + 2.5E-02~~		~~08/20~~			4
							RU-103	L.T. 4. E-02		08/20	4		4
							~~RU-103~~	~~2.7 + 23.8E-03~~		~~08/20~~			4
							RU-106	L.T. 3. E-01		08/20	4		4
							~~RU-106~~	~~2.1 + 10.8E-02~~		~~08/20~~			4
							I-131	L.T. 2. E-01		08/20	4		4
							~~I-131~~	~~1.9 + 7.8E-02~~		~~08/20~~			4
							~~CS-134~~	~~L.T. 4. E-02~~		~~08/20~~			4
							CS-134	~~7.0 + 2.4E-02~~	6.1 ± 2.5E-02	08/20			4
							CS-137	L.T. 4. E-02		08/20	4		4
							~~CS-137~~	~~3.2 + 2.2E-02~~		~~08/20~~			4
							BA-140	L.T. 9. E-02		08/20	4		4
							~~BA-140~~	~~3.7 + 5.8E-02~~		~~08/20~~			4
							CE-141	L.T. 6. E-02		08/20	4		4
							~~CE-141~~	~~8.8 + 35.9E-03~~		~~08/20~~			4
							CE-144	L.T. 2. E-01		08/20	4		4
							~~CE-144~~	~~9.3 + 11.2E-02~~		~~08/20~~			4
							EU-152	L.T. 9. E-02		08/20	4		4
							~~EU-152~~	~~4.9 + 8.7E-01~~		~~08/20~~			4
							EU-154	L.T. 1. E-01		08/20	4		4

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Revised 4/11/94

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

REVISED 02/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 7
4-3215	LL-1140-F4	08/11/93	09/13/93	

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

S O I L

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/N *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22688	9308L515-004	808Y64	07/30				~~EU-154~~	~~3.5 +- 6.3E-02~~		~~08/20~~			4
							EU-155	L.T. 1. E-01	U	08/20			4
							~~EU-156~~	~~3.2 +- 6.5E-02~~		~~08/20~~			4
							RA-226	1.28+-0.33E 00		08/20			4
							~~RA-226~~	~~L.T. 6. E-01~~		~~08/20~~			4
							TH-228	9.62+-0.96E-01		08/20			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~08/20~~			4
							TH-234	1.1 +-0.3 E 00		08/20			4
							~~TH-234~~	~~L.T. 7. E-01~~		~~08/20~~			4
							TOTAL-U	2.24+-0.60E 00		08/20			4
							~~TOTAL-U~~	~~L.T. 7. E-01~~		~~08/20~~			4
22689	9308L515-005	808Y65	08/02				TC-99	L.T. 8. E-01	U	09/01			4
							SR-90	3.5 +-0.7 E-01		09/01			4
							~~SR-90~~	~~L.T. 5. E-02~~		~~09/01~~			4
							~~TC-99~~	~~1.6 +- 1.5E-01~~		~~09/01~~			4
							BE-7	L.T. 3. E-01	U	08/20			4
							~~BE-7~~	~~8.9 +-209.E-03~~		~~08/20~~			4
							K-40	1.96+-0.20E 01		08/20			4
							~~K-40~~	~~L.T. 2. E-00~~		~~08/20~~			4
							MN-54	L.T. 4. E-02	U	08/20			4
							~~MN-54~~	~~8.9 +- 22.4E-03~~		~~08/20~~			4
							CO-58	L.T. 4. E-02	U	08/20			4
							~~CO-58~~	~~1.9 +- 2.6E-02~~		~~08/20~~			4
							FE-59	L.T. 9. E-02	U	08/20			4
							~~FE-59~~	~~1.8 +- 5.4E-02~~		~~08/20~~			4
							CO-60	L.T. 3. E-02	U	08/20			4
							~~CO-60~~	~~1.3 +- 2.0E-02~~		~~08/20~~			4
							ZN-65	L.T. 8. E-02	U	08/20			4
							~~ZN-65~~	~~4.4 +- 5.3E-02~~		~~08/20~~			4
							ZR-95	L.T. 5. E-02	U	08/20			4
							~~ZR-95~~	~~4.8 +- 2.8E-02~~		~~08/20~~			4

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4/14/94

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

REVISED 02/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22689	9308L515-005	808YG5	08/02				RU-103	L.T. 4. E-02		08/20			4
							~~RU-103~~	~~2.9 +- 26.5E-03~~		~~08/20~~			4
							RU-106	L.T. 3. E-01		08/20			4
							~~RU-106~~	~~0.0 +- 2.0E-01~~		~~08/20~~			4
							I-131	L.T. 2. E-01		08/20			4
							~~I-131~~	~~9.3 +- 9.4E-02~~		~~08/20~~			4
							CS-134	~~L.T. 4. E-02~~ 7.63±2.64E-02		08/20			4
							~~CS-134~~	~~3.4 +- 2.6E-02~~		~~08/20~~			4
							CS-137	3.23+-0.33E-01		08/20			4
							~~CS-137~~	~~L.T. 7. E-02~~		~~08/20~~			4
							BA-140	L.T. 9. E-02		08/20			4
							~~BA-140~~	~~0.0 +- 5.3E-02~~		~~08/20~~			4
							CE-141	L.T. 6. E-02		08/20			4
							~~CE-141~~	~~2.9 +- 3.8E-02~~		~~08/20~~			4
							CE-144	L.T. 2. E-01		08/20			4
							~~CE-144~~	~~1.1 +- 1.2E-01~~		~~08/20~~			4
							EU-152	L.T. 1. E-01		08/20			4
							~~EU-152~~	~~7.4 +- 0.9E-01~~		~~08/20~~			4
							EU-154	L.T. 2. E-01		08/20			4
							~~EU-154~~	~~3.9 +- 8.8E-02~~		~~08/20~~			4
							EU-155	L.T. 1. E-01		08/20			4
							~~EU-155~~	~~3.2 +- 7.4E-02~~		~~08/20~~			4
							RA-226	1.41+-0.42E 00		08/20			4
							~~RA-226~~	~~L.T. 7. E-01~~		~~08/20~~			4
							TH-228	8.77+-0.88E-01		08/20			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~08/20~~			4
							TH-234	1.3 +-0.4 E 00		08/20			4
							~~TH-234~~	~~L.T. 8. E-01~~		~~08/20~~			4
							TOTAL-U	2.59+-0.74E 00		08/20			4
							~~TOTAL-U~~	~~L.T. 8. E-01~~		~~08/20~~			4

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Revised 2/24/94
RUN DATE 09/21/93

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

SOIL

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22690	9308L515--006	008YG6	08/02				TC-99	L.T. 8. E-01		09/01	U		3
							SR-90	9.7 +-1.1 E-01		09/01			3
							~~SR-90~~	~~L.T. 5. E-02~~		~~09/01~~			3
							~~TC-99~~	~~2.6 +-4.65E-01~~		~~09/01~~			3
							BE-7	L.T. 5. E-01		08/20	UJ		4
							~~BE-7~~	~~1.1 +- 2.8E-01~~		~~08/20~~			4
							K-40	2.15+-0.21E 01		08/20	J		4
							~~K-40~~	~~L.T. 2. E-00~~		~~08/20~~			4
							MN-54	L.T. 5. E-02		08/20	UJ		4
							~~MN-54~~	~~9.8 +-30.4E-03~~		~~08/20~~			4
							CO-58	L.T. 5. E-02		08/20	UJ		4
							~~CO-58~~	~~1.1 +- 3.0E-02~~		~~08/20~~			4
							FE-59	L.T. 1. E-01		08/20	UJ		4
							~~FE-59~~	~~3.2 +- 7.5E-01~~		~~08/20~~			4
							CO-60	L.T. 5. E-02		08/20	UJ		4
							~~CO-60~~	~~1.3 +- 2.9E-01~~		~~08/20~~			4
							ZN-65	L.T. 1. E-01		08/20	UJ		4
							~~ZN-65~~	~~5.8 +- 4.5E-02~~		~~08/20~~			4
							ZR-95	L.T. 6. E-02		08/20	UJ		4
							~~ZR-95~~	~~1.3 +- 3.3E-02~~		~~08/20~~			4
							RU-103	L.T. 6. E-02		08/20	UJ		4
							~~RU-103~~	~~2.7 +- 3.6E-02~~		~~08/20~~			4
							RU-106	L.T. 4. E-01		08/20	UJ		4
							~~RU-106~~	~~1.3 +- 27.2E-02~~		~~08/20~~			4
							I-131	L.T. 2. E-01		08/20	UJ		4
							~~I-131~~	~~2.3 +- 12.2E-02~~		~~08/20~~			4
							CS-134	~~L.T. 6. E-02~~	1.24 ± 0.36E-01	08/20	J		4
							~~CS-134~~	~~8.1 +- 3.3E-02~~		~~08/20~~			4
							CS-137	6.48+-0.65E-01		08/20	J		4
							~~CS-137~~	~~L.T. 1. E-01~~		~~08/20~~			4
							BA-140	L.T. 1. E-01		08/20	UJ		4
							~~BA-140~~	~~6.2 +- 7.0E-02~~		~~08/20~~			4

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4/8/94 2/28/94

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Revised 2/24/94
RUN DATE 09/21/93

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-X U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-X *	LAB.
22690	9308L515-006	B08YG6	08/02				CE-141	L.T. 8. E-02		08/20			4
							~~CE-141~~	~~6.7 +-48.1E-03~~		~~08/20~~			4
							CE-144	L.T. 2. E-01		08/20			4
							~~CE-144~~	~~1.2 +- 1.5E-01~~		~~08/20~~			4
							EU-152	L.T. 1. E-01		08/20			4
							~~EU-152~~	~~4.8 +- 1.0E-01~~		~~08/20~~			4
							EU-154	L.T. 2. E-01		08/20			4
							~~EU-154~~	~~2.3 +- 9.9E-02~~		~~08/20~~			4
							EU-155	L.T. 2. E-01		08/20			4
							~~EU-155~~	~~4.0 +- 9.0E-02~~		~~08/20~~			4
							RA-226	1.58+-0.53E 00		08/20			4
							~~RA-226~~	~~L.T. 1. E 00~~		~~08/20~~			4
							TH-228	1.06+-0.11E 00		08/20			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~08/20~~			4
							TH-234	1.5 +-0.4 E 00		08/20			4
							~~TH-234~~	~~L.T. 1. E 00~~		~~08/20~~			4
							TOTAL-U	3.09+-0.89E 00		08/20			4
							~~TOTAL-U~~	~~L.T. 1. E 00~~		~~08/20~~			4
22691	9308L515-007	B08YG7	08/02				TC-99	L.T. 7. E-01		09/01			3
							SR-90	6.4 +-0.9 E-01		09/01			3
							~~SR-90~~	~~L.T. 5. E-02~~		~~09/01~~			3
							~~TC-99~~	~~0.0 +- 4.26E-01~~		~~09/01~~			3
							BE-7	L.T. 5. E-01		08/20			4
							~~BE-7~~	~~5.2 +- 28.9E-02~~		~~08/20~~			4
							K-40	1.78+-0.18E 01		08/20			4
							~~K-40~~	~~L.T. 2. E-00~~		~~08/20~~			4
							MN-54	L.T. 5. E-02		08/20			4
							~~MN-54~~	~~4.6 +- 28.8E-03~~		~~08/20~~			4
							CO-58	L.T. 5. E-02		08/20			4
							~~CO-58~~	~~2.0 +- 3.1E-02~~		~~08/20~~			4
							FE-59	L.T. 1. E-01		08/20			4

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Revised 2/24/94
RUN DATE 09/21/93

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22691	93DBL515-00T	B0BYC7	08/02				~~FE-59~~	~~1.7 +- 6.6E-02~~		~~08/20~~			4
							CO-60	L.T. 4. E-02		08/20			4
							~~CO-60~~	~~3.2 +- 25.5E-03~~		~~08/20~~			4
							ZN-65	L.T. 1. E-01		08/20			4
							~~ZN-65~~	~~7.6 +- 58.2E-03~~		~~08/20~~			4
							ZR-95	L.T. 6. E-02		08/20			4
							~~ZR-95~~	~~2.2 +- 3.4E-02~~		~~08/20~~			4
							RU-103	L.T. 6. E-02		08/20			4
							~~RU-103~~	~~2.5 +- 3.6E-02~~		~~08/20~~			4
							RU-106	L.T. 4. E-01		08/20			4
							~~RU-106~~	~~1.3 +- 2.6E-01~~		~~08/20~~			4
							I-131	L.T. 2. E-01		08/20			4
							~~I-131~~	~~1.5 +- 1.2E-01~~		~~08/20~~			4
							CS-134	L.T. 6. E-02		08/20			4
							~~CS-134~~	~~4.1 +- 3.3E-02~~		~~08/20~~			4
							CS-137	1.03+-0.10E 00		08/20			4
							~~CS-137~~	~~L.T. 1. E-01~~		~~08/20~~			4
							BA-140	L.T. 9. E-02		08/20			4
							~~BA-140~~	~~1.7 +- 5.8E-02~~		~~08/20~~			4
							CE-141	L.T. 8. E-02		08/20			4
							~~CE-141~~	~~2.7 +- 5.0E-02~~		~~08/20~~			4
							CE-144	L.T. 3. E-01		08/20			4
							~~CE-144~~	~~1.5 +- 1.6E-01~~		~~08/20~~			4
							EU-152	L.T. 2. E-01		08/20			4
							~~EU-152~~	~~5.5 +- 1.1E-01~~		~~08/20~~			4
							EU-154	L.T. 1. E-01		08/20			4
							~~EU-154~~	~~6.1 +- 88.9E-03~~		~~08/20~~			4
							EU-155	L.T. 2. E-01		08/20			4
							~~EU-155~~	~~4.8 +- 9.0E-02~~		~~08/20~~			4
							RA-226	1.82+-0.52E 00		08/20			4
							~~RA-226~~	~~L.T. 1. E 00~~		~~08/20~~			4
							TH-228	8.70+-0.87E-01		08/20			4

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4/8/94 2/28/94

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Revised 2/24/94
RUN DATE 09/21/93

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4-3215	LL-1140-F4	08/11/93	09/13/93	

MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
200 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22691	93081515-007	008YG7	08/02				~~TH-228~~	~~L.T. 1. E-01~~		~~00/20~~			4
							TH-234	1.6 +-0.6 E 00		00/20			4
							~~TH-234~~	~~L.T. 9. E-01~~		~~00/20~~			4
							TOTAL-U	3.15+-1.20E 00		00/20			4
							~~TOTAL-U~~	~~L.T. 9. E-01~~		~~00/20~~			4
22692	93081515-008	008YG8	08/02				TC-99	L.T. 7. E-01		09/01			3
							SR-90	7.0 +-0.3 E-01		09/04			3
							~~SR-90~~	~~L.T. 2. E-02~~		~~09/04~~			3
							~~TC-99~~	~~2.3 +-4.7E-01~~		~~09/01~~			3
							BE-7	L.T. 4. E-01		08/23			4
							~~BE-7~~	~~5.0 +-21.9E-02~~		~~08/23~~			4
							K-40	1.86+-0.19E 01		08/23			4
							~~K-40~~	~~L.T. 2. E-00~~		~~08/23~~			4
							MN-54	L.T. 4. E-02		08/23			4
							~~MN-54~~	~~2.9 +-21.6E-03~~		~~08/23~~			4
							CO-58	L.T. 4. E-02		08/23			4
							~~CO-58~~	~~6.1 +-24.3E-03~~		~~08/23~~			4
							FE-59	L.T. 9. E-02		08/23			4
							~~FE-59~~	~~1.9 +-5.4E-02~~		~~08/23~~			4
							CO-60	L.T. 4. E-02		08/23			4
							~~CO-60~~	~~4.2 +-22.1E-03~~		~~08/23~~			4
							ZN-65	L.T. 8. E-02		08/23			4
							~~ZN-65~~	~~1.5 +-4.9E-02~~		~~08/23~~			4
							ZR-95	L.T. 4. E-02		08/23			4
							~~ZR-95~~	~~2.0 +-2.6E-02~~		~~08/23~~			4
							RU-103	L.T. 4. E-02		08/23			4
							~~RU-103~~	~~1.3 +-2.7E-02~~		~~08/23~~			4
							RU-106	L.T. 3. E-01		08/23			4
							~~RU-106~~	~~8.3 +-20.6E-02~~		~~08/23~~			4
							I-131	L.T. 2. E-01		08/23			4
							~~I-131~~	~~8.2 +-111.E-03~~		~~08/23~~			4

Revised 4/1/94 .022

Verified 4/8/94 2/28/94

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9413281.0153

TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Revised 2/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 13
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22692	9308L515-008	B08Y68	08/02				CS-134	~~L.T. 5. E-02~~ 6.7±2.5E-02		08/23			4
							~~CS-134~~	~~8.1 +- 7.5E-02~~		~~08/23~~			4
							CS-137	1.09+-0.11E 00		08/23			4
							~~CS-137~~	~~L.T. 1. E-01~~		~~08/23~~			4
							BA-140	L.T. 1. E-01		08/23			4
							~~BA-140~~	~~6.2 +- 60.0E-03~~		~~08/23~~			4
							CE-141	L.T. 6. E-02		08/23			4
							~~CE-141~~	~~4.0 +- 38.6E-03~~		~~08/23~~			4
							CE-144	L.T. 2. E-01		08/23			4
							~~CE-144~~	~~1.0 +- 1.2E-01~~		~~08/23~~			4
							EU-152	L.T. 1. E-01		08/23			4
							~~EU-152~~	~~4.6 +- 0.8E-01~~		~~08/23~~			4
							EU-154	L.T. 1. E-01		08/23			4
							~~EU-154~~	~~9.1 +- 6.8E-02~~		~~08/23~~			4
							EU-155	L.T. 1. E-01		08/23			4
							~~EU-155~~	~~6.2 +- 70.8E-03~~		~~08/23~~			4
							RA-226	1.06+-0.38E 00		08/23			4
							~~RA-226~~	~~L.T. 7. E-01~~		~~08/23~~			4
							TH-228	8.19+-0.82E-01		08/23			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~08/23~~			4
							TH-234	1.8 +-0.4 E 00		08/23			4
							~~TH-234~~	~~L.T. 7. E-01~~		~~08/23~~			4
							TOTAL-U	3.63+-0.86E 00		08/23			4
							~~TOTAL-U~~	~~L.T. 7. E-01~~		~~08/23~~			4
22693	9308L515-009	B08YH3	08/02				TC-99	L.T. 8. E-01		09/01			3
							SR-90	1.1 +-0.5 E-01		09/01			3
							~~SR-90~~	~~L.T. 5. E-02~~		~~09/01~~			3
							~~TC-99~~	~~3.7 +- 4.09E-01~~		~~09/01~~			3
							BE-7	L.T. 3. E-01		08/23			4
							~~BE-7~~	~~9.1 +- 16.5E-02~~		~~08/23~~			4
							K-40	1.39+-0.14E 01		08/23			4

Verified 4/8/94 2/28/94

Revised 4/11/94

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9413281.0154

TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Revised 2/24/94
RUN DATE 09/21/93

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

S O I L

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22693	9308L515-009	B08YH3	08/02				~~K-40~~	~~L.T. 1. E-00~~		~~08/23~~			4
							MN-54	L.T. 3. E-02		08/23	U		4
							~~MN-54~~	~~0.0 +- 1.7E-02~~		~~08/23~~			4
							CO-58	L.T. 3. E-02		08/23	U		4
							~~CO-58~~	~~8.4 +- 19.6E-03~~		~~08/23~~			4
							FE-59	L.T. 7. E-02		08/23	U		4
							~~FE-59~~	~~2.7 +- 41.6E-03~~		~~08/23~~			4
							CO-60	L.T. 3. E-02		08/23	U		4
							~~CO-60~~	~~6.4 +- 16.0E-03~~		~~08/23~~			4
							ZN-65	L.T. 6. E-02		08/23	U		4
							~~ZN-65~~	~~8.0 +- 37.7E-03~~		~~08/23~~			4
							ZR-95	L.T. 4. E-02		08/23	U		4
							~~ZR-95~~	~~4.4 +- 2.1E-02~~		~~08/23~~			4
							RU-103	L.T. 4. E-02		08/23	U		4
							~~RU-103~~	~~1.4 +- 21.7E-03~~		~~08/23~~			4
							RU-106	L.T. 2. E-01		08/23	U		4
							~~RU-106~~	~~8.7 +- 15.4E-02~~		~~08/23~~			4
							I-131	L.T. 1. E-01		08/23	U		4
							~~I-131~~	~~3.3 +- 9.0E-02~~		~~08/23~~			4
							CS-134	L.T. 3. E-02		08/23	U		4
							~~CS-134~~	~~3.0 +- 1.9E-02~~		~~08/23~~			4
							CS-137	1.84+-0.23E-01		08/23			4
							~~CS-137~~	~~L.T. 5. E-02~~		~~08/23~~			4
							BA-140	L.T. 7. E-02		08/23	U		4
							~~BA-140~~	~~3.1 +- 4.6E-02~~		~~08/23~~			4
							CE-141	L.T. 5. E-02		08/23	U		4
							~~CE-141~~	~~2.0 +- 3.1E-02~~		~~08/23~~			4
							CE-144	L.T. 2. E-01		08/23	U		4
							~~CE-144~~	~~4.8 +- 95.5E-03~~		~~08/23~~			4
							EU-152	L.T. 8. E-02		08/23	U		4
							~~EU-152~~	~~5.5 +- 0.7E-01~~		~~08/23~~			4
							EU-154	L.T. 1. E-01		08/23	U		4

Verified 4/8/94

2/28/94

Revised 4/11/94

WHC-SD-EN-TI-249, Rev. 0

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

Revised 2/24/94
RUN DATE 09/21/93

REPORT OF ANALYSIS

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 15
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22693	9308L515-009	B08YH3	08/02				~~EU-154~~	~~4.0 +- 6.7E-02~~		~~08/23~~			4
							EU-155	L.T. 1. E-01		08/23			4
							~~EU-155~~	~~9.3 +- 57.3E-03~~		~~08/23~~			4
							RA-226	1.12+-0.31E 00		08/23			4
							~~RA-226~~	~~L.T. 6. E-01~~		~~08/23~~			4
							TH-228	6.43+-0.64E-01		08/23			4
							~~TH-228~~	~~L.T. 8. E-02~~		~~08/23~~			4
							TH-234	1.2 +-0.3 E 00		08/23			4
							~~TH-234~~	~~L.T. 6. E-01~~		~~08/23~~			4
							TOTAL-U	2.44+-0.61E 00		08/23			4
							~~TOTAL-U~~	~~L.T. 6. E-01~~		~~08/23~~			4
22694	9308L515-010	B08YH4	08/02				TC-99	L.T. 1. E 00		09/01			3
							SR-90	8.0 +-3.7 E-02		09/11			3
							~~SR-90~~	~~L.T. 4. E-02~~		~~09/11~~			3
							~~TC-99~~	~~1.0 +-6.30E-01~~		~~09/01~~			3
							BE-7	L.T. 3. E-01		08/23			4
							~~BE-7~~	~~1.1 +- 2.1E-01~~		~~08/23~~			4
							K-40	1.75+-0.17E 01		08/23			4
							~~K-40~~	~~L.T. 2. E 00~~		~~08/23~~			4
							MN-54	L.T. 4. E-02		08/23			4
							~~MN-54~~	~~1.7 +- 2.1E-02~~		~~08/23~~			4
							CO-58	L.T. 4. E-02		08/23			4
							~~CO-58~~	~~3.7 +- 24.2E-03~~		~~08/23~~			4
							FE-59	L.T. 9. E-02		08/23			4
							~~FE-59~~	~~3.2 +- 5.5E-02~~		~~08/23~~			4
							CO-60	L.T. 3. E-02		08/23			4
							~~CO-60~~	~~2.0 +- 1.9E-02~~		~~08/23~~			4
							ZN-65	L.T. 8. E-02		08/23			4
							~~ZN-65~~	~~8.2 +- 46.3E-03~~		~~08/23~~			4
							ZR-95	L.T. 4. E-02		08/23			4
							~~ZR-95~~	~~8.4 +- 24.3E-03~~		~~08/23~~			4

Verified 4/8/94 2/28/94

Revised 4/11/94

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9413281.0156

TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

Revised 2/24/94
RUN DATE 09/21/93

REPORT OF ANALYSIS

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 16
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22694	9308L515--010	808YH4	08/02				RU-103	L.T. 4. E-02		08/23			4
							~~RU-103~~	~~1.1 +- 2.5E-02~~		~~08/23~~			4
							RU-106	L.T. 3. E-01		08/23			4
							~~RU-106~~	~~1.7 +- 19.5E-02~~		~~08/23~~			4
							I-131	L.T. 2. E-01		08/23			4
							~~I-131~~	~~3.1 +- 10.9E-02~~		~~08/23~~			4
							CS-134	L.T. 4. E-02		08/23			4
							~~CS-134~~	~~4.1 +- 2.3E-02~~		~~08/23~~			4
							CS-137	5.17+-0.52E-01		08/23			4
							~~CS-137~~	~~L.T. 8. E-02~~		~~08/23~~			4
							BA-140	L.T. 9. E-02		08/23			4
							~~BA-140~~	~~2.8 +- 5.7E-02~~		~~08/23~~			4
							CE-141	L.T. 6. E-02		08/23			4
							~~CE-141~~	~~5.6 +-37.8E-03~~		~~08/23~~			4
							CE-144	L.T. 2. E-01		08/23			4
							~~CE-144~~	~~4.2 +-11.7E-02~~		~~08/23~~			4
							EU-152	L.T. 1. E-01		08/23			4
							~~EU-152~~	~~4.6 +- 9.7E-01~~		~~08/23~~			4
							EU-154	L.T. 1. E-01		08/23			4
							~~EU-154~~	~~3.7 +- 7.0E-02~~		~~08/23~~			4
							EU-155	L.T. 1. E-01		08/23			4
							~~EU-155~~	~~6.2 +-63.4E-03~~		~~08/23~~			4
							RA-226	1.35+-0.34E 00		08/23			4
							~~RA-226~~	~~L.T. 7. E-01~~		~~08/23~~			4
							TH-228	8.51+-0.85E-01		08/23			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~08/23~~			4
							TH-234	1.4 +-0.4 E 00		08/23			4
							~~TH-234~~	~~L.T. 7. E-01~~		~~08/23~~			4
							TOTAL-U	2.71+-0.82E 00		08/23			4
							~~TOTAL-U~~	~~L.T. 7. E-01~~		~~08/23~~			4

Verified 4/8/94 2/28/94

Revised 4/11/94 026

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Revised 2/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 17
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22695	9308L515-D10DUPB08YH4		08/02				TC-99	L.T. 7. E-01		09/01	U		3
							SR-90	7.0 +-3.6 E-02		09/17			3
							~~SR-90~~	~~L.T. 4. E-02~~		~~09/17~~			3
							~~TC-99~~	~~3.1 +-4.08E-01~~		~~09/01~~			3
							BE-7	L.T. 3. E-01		08/24	U		4
							~~BE-7~~	~~1.1 +- 1.8E-01~~		~~08/24~~			4
							K-40	1.63+-0.16E 01		08/24	U		4
							~~K-40~~	~~1.1. 2. E-00~~		~~08/24~~			4
							MN-54	L.T. 3. E-02		08/24	U		4
							~~MN-54~~	~~2.5 +-19.2E-03~~		~~08/24~~			4
							CO-58	L.T. 3. E-02		08/24	U		4
							~~CO-58~~	~~1.4 +- 1.1E-02~~		~~08/24~~			4
							FE-59	L.T. 8. E-02		08/24	U		4
							~~FE-59~~	~~0.0 +- 5.0E-02~~		~~08/24~~			4
							CO-60	L.T. 3. E-02		08/24	U		4
							~~CO-60~~	~~5.6 +-17.9E-03~~		~~08/24~~			4
							ZN-65	L.T. 7. E-02		08/24	U		4
							~~ZN-65~~	~~3.8 +-42.3E-03~~		~~08/24~~			4
							ZR-95	L.T. 4. E-02		08/24	U		4
							~~ZR-95~~	~~2.3 +- 2.2E-02~~		~~08/24~~			4
							RU-103	L.T. 4. E-02		08/24	U		4
							~~RU-103~~	~~5.1 +-23.9E-03~~		~~08/24~~			4
							RU-106	L.T. 3. E-01		08/24	U		4
							~~RU-106~~	~~4.7 +-16.9E-02~~		~~08/24~~			4
							I-131	L.T. 2. E-01		08/24	U		4
							~~I-131~~	~~0.0 +- 1.1E-01~~		~~08/24~~			4
							CS-134	~~L.T. 4. E-02~~ 6.4±2.3E-02		08/24			4
							~~CS-134~~	~~4.5 +- 2.2E-02~~		~~08/24~~			4
							CS-137	4.66+-0.47E-01		08/24			4
							~~CS-137~~	~~L.T. 7. E-02~~		~~08/24~~			4
							BA-140	L.T. 8. E-02		08/24	U		4
							~~BA-140~~	~~0.0 +- 5.0E-02~~		~~08/24~~			4

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Rveised 2/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 18
4-3215	LL-1140-F4	08/11/93	09/13/93	

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

SOIL

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22695	9308L515-010DUP808YH4		08/02				CE-141	L.T. 6. E-02		08/24	U		4
							~~CE-141~~	~~8.6 +- 35.1E-03~~		~~08/24~~			4
							CE-144	L.T. 2. E-01		08/24	U		4
							~~CE-144~~	~~6.3 +- 10.9E-02~~		~~08/24~~			4
							EU-152	L.T. 9. E-02		08/24	U		4
							~~EU-152~~	~~4.7 +- 8.7E-01~~		~~08/24~~			4
							EU-154	L.T. 1. E-01		08/24	U		4
							~~EU-154~~	~~4.0 +- 40.8E-03~~		~~08/24~~			4
							EU-155	L.T. 1. E-01		08/24	U		4
							~~EU-155~~	~~1.1 +- 6.2E-02~~		~~08/24~~			4
							RA-226	1.49+-0.34E 00		08/24			4
							~~RA-226~~	~~L.T. 4. E-02~~		~~08/24~~			4
							TH-228	8.51+-0.85E-01		08/24			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~08/24~~			4
							TH-234	1.8 +-0.4 E 00		08/24			4
							~~TH-234~~	~~L.T. 6. E-01~~		~~08/24~~			4
							TOTAL-U	3.52+-0.82E 00		08/24			4
							~~TOTAL-U~~	~~L.T. 4. E-01~~		~~08/24~~			4
22696	9308L515-011	808YH5	08/02				TC-99	L.T. 9. E-01		09/01	U		3
							SR-90	1.2 +-0.5 E-01		09/02			3
							~~SR-90~~	~~L.T. 6. E-02~~		~~09/02~~			3
							~~TC-99~~	~~2.1 +- 5.88E-01~~		~~09/01~~			3
							BE-7	L.T. 4. E-01		08/23	U		4
							~~BE-7~~	~~2.3 +- 2.65E-01~~		~~08/23~~			4
							K-40	1.74+-0.17E 01		08/23			4
							~~K-40~~	~~L.T. 3. E 00~~		~~08/23~~			4
							MN-54	L.T. 4. E-02		08/23	U		4
							~~MN-54~~	~~7.0 +- 25.7E-03~~		~~08/23~~			4
							CO-58	L.T. 5. E-02		08/23	U		4
							~~CO-58~~	~~2.4 +- 30.5E-03~~		~~08/23~~			4
							FE-59	L.T. 1. E-01		08/23	U		4

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Revised 2/24/94
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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 19
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O I L

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22696	9308L515-011	BOBYH5	08/02				~~FE-59~~	~~2.4 +- 4.6E-02~~		~~08/23~~			4
							CO-60	L.T. 4. E-02		08/23			4
							~~CO-60~~	~~6.7 +- 23.8E-03~~		~~08/23~~			4
							ZN-65	L.T. 9. E-02		08/23			4
							~~ZN-65~~	~~2.4 +- 5.7E-02~~		~~08/23~~			4
							ZR-95	L.T. 5. E-02		08/23			4
							~~ZR-95~~	~~2.6 +- 3.1E-02~~		~~08/23~~			4
							RU-103	L.T. 5. E-02		08/23			4
							~~RU-103~~	~~2.6 +- 3.3E-02~~		~~08/23~~			4
							RU-106	L.T. 4. E-01		08/23			4
							~~RU-106~~	~~1.2 +- 2.5E-01~~		~~08/23~~			4
							I-131	L.T. 2. E-01		08/23			4
							~~I-131~~	~~2.2 +- 14.0E-02~~		~~08/23~~			4
							CS-134	L.T. 5. E-02		08/23			4
							~~CS-134~~	~~2.4 +- 3.0E-02~~		~~08/23~~			4
							CS-137	5.66+-0.57E-01		08/23			4
							~~CS-137~~	~~L.T. 1. E-01~~		~~08/23~~			4
							BA-140	L.T. 1. E-01		08/23			4
							~~BA-140~~	~~1.8 +- 7.5E-02~~		~~08/23~~			4
							CE-141	L.T. 8. E-02		08/23			4
							~~CE-141~~	~~1.4 +- 5.0E-02~~		~~08/23~~			4
							CE-144	L.T. 3. E-01		08/23			4
							~~CE-144~~	~~5.2 +- 15.3E-02~~		~~08/23~~			4
							EU-152	L.T. 1. E-01		08/23			4
							~~EU-152~~	~~4.5 +- 1.0E-01~~		~~08/23~~			4
							EU-154	L.T. 1. E-01		08/23			4
							~~EU-154~~	~~2.8 +- 7.5E-01~~		~~08/23~~			4
							EU-155	L.T. 1. E-01		08/23			4
							~~EU-155~~	~~7.1 +- 8.5E-02~~		~~08/23~~			4
							RA-226	1.34+-0.54E 00		08/23			4
							~~RA-226~~	~~L.T. 9. E-01~~		~~08/23~~			4
							TH-228	9.92+-0.99E-01		08/23			4

Revised 4/11/94 029

Verified 4/8/94 2/28/94

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Revised 2/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 20
4-3215	LL-1140-F4	08/11/93	09/13/93	

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

SOIL

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22696	9308L515-011	B08YH5	08/02				~~TH-228~~	~~L.T. 1. E-01~~		~~08/23~~			4
							TH-234	1.4 +-0.5 E 00		08/23			4
							~~TH-234~~	~~L.T. 9. E-01~~		~~08/23~~			4
							TOTAL-U	2.71+-0.99E 00		08/23			4
							~~TOTAL-U~~	~~L.T. 9. E-01~~		~~08/23~~			4
22697	9308L515-012	B08YH6	08/02				TC-99	L.T. 9. E-01		09/01			3
							SR-90	1.0 +-0.1 E 00		09/02			3
							~~SR-90~~	~~L.T. 7. E-02~~		~~09/02~~			3
							~~TC-99~~	~~1.3 +-5.0E-01~~		~~09/01~~			3
							BE-7	L.T. 6. E-01		08/24			4
							~~BE-7~~	~~1.4 +- 3.4E-01~~		~~08/24~~			4
							K-40	1.83+-0.18E 01		08/24			4
							~~K-40~~	~~L.T. 2. E 00~~		~~08/24~~			4
							MN-54	L.T. 3. E-02		08/24			4
							~~MN-54~~	~~4.2 +-20.5E-03~~		~~08/24~~			4
							CO-58	L.T. 4. E-02		08/24			4
							~~CO-58~~	~~2.3 +- 2.3E-02~~		~~08/24~~			4
							FE-59	L.T. 9. E-02		08/24			4
							~~FE-59~~	~~2.9 +- 5.6E-02~~		~~08/24~~			4
							CO-60	L.T. 3. E-02		08/24			4
							~~CO-60~~	~~1.5 +-19.0E-03~~		~~08/24~~			4
							ZN-65	L.T. 7. E-02		08/24			4
							~~ZN-65~~	~~4.5 +- 4.7E-02~~		~~08/24~~			4
							ZR-95	L.T. 4. E-02		08/24			4
							~~ZR-95~~	~~1.8 +- 2.6E-02~~		~~08/24~~			4
							RU-103	L.T. 7. E-02		08/24			4
							~~RU-103~~	~~3.4 +-40.3E-03~~		~~08/24~~			4
							RU-106	L.T. 4. E-01		08/24			4
							~~RU-106~~	~~2.5 +- 2.4E-01~~		~~08/24~~			4
							I-131	L.T. 3. E-01		08/24			4
							~~I-131~~	~~2.2 +-18.4E-02~~		~~08/24~~			4

Verified
4/8/94 2/28/94

Revised
4/11/94 .030

D-44

WHC-SD-EN-TI-249, Rev. 0

9413281.0161

TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

Revised 2/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 21
4-3215	LL-1140-F4	08/11/93	09/13/93	

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22697	9308L515-012	B08YH6	08/02				CS-134	~~L.T. 4. E-02~~ 6.4±2.2E-02		08/24			4
							~~CS-134~~	~~6.3 +- 2.4E-02~~		~~08/24~~			4
							CS-137	1.04+-0.10E 01		08/24			4
							~~CS-137~~	~~L.T. 3. E-01~~		~~08/24~~			4
							BA-140	L.T. 8. E-02		08/24			4
							~~BA-140~~	~~4.2 +- 5.6E-02~~		~~08/24~~			4
							CE-141	L.T. 8. E-02		08/24			4
							~~CE-141~~	~~8.2 +- 49.6E-03~~		~~08/24~~			4
							CE-144	L.T. 2. E-01		08/24			4
							~~CE-144~~	~~1.5 +- 1.5E-01~~		~~08/24~~			4
							EU-152	L.T. 1. E-01		08/24			4
							~~EU-152~~	~~7.5 +- 1.1E-01~~		~~08/24~~			4
							EU-154	L.T. 2. E-01		08/24			4
							~~EU-154~~	~~3.3 +- 8.1E-02~~		~~08/24~~			4
							EU-155	L.T. 1. E-01		08/24			4
							~~EU-155~~	~~4.6 +- 8.1E-02~~		~~08/24~~			4
							RA-226	1.39+-0.50E 00		08/24			4
							~~RA-226~~	~~L.T. 9. E-01~~		~~08/24~~			4
							TH-228	8.88+-0.89E-01		08/24			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~08/24~~			4
							TH-234	1.1 +-0.4 E 00		08/24			4
							~~TH-234~~	~~L.T. 8. E-01~~		~~08/24~~			4
							TOTAL-U	2.19+-0.89E 00		08/24			4
							~~TOTAL-U~~	~~L.T. 8. E-01~~		~~08/24~~			4
22698	9308L515-013	B08YJ1	08/04				TC-99	L.T. 1. E 00		09/01			3
							SR-90	2.3 +-0.2 E 00		09/02			3
							~~SR-90~~	~~L.T. 7. E-02~~		~~09/02~~			3
							~~TC-99~~	~~2.3 +-5.55E-01~~		~~09/01~~			3
							BE-7	L.T. 2. E 00		08/24			4
							~~BE-7~~	~~6.5 +-10.7E-01~~		~~08/24~~			4
							K-40	2.01+-0.20E 01		08/24			4

Revised 4/11/94

Verified 4/8/94 2/28/94

031

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

REVISED 02/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3215	LL-1140-F4	08/11/93	09/13/93

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

S O I L

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	KID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22698	9308L515-013	800YJ1	08/04				~~K-40~~	~~L.T. 3. E-00~~		~~08/24~~			4
							MN-54	L.T. 6. E-02		08/24	4		4
							~~MN-54~~	~~8.3 +- 38.4E-03~~		~~08/24~~			4
							CO-58	L.T. 7. E-02		08/24	4		4
							~~CO-58~~	~~1.7 +- 4.2E-02~~		~~08/24~~			4
							FE-59	L.T. 2. E-01		08/24	4		4
							~~FE-59~~	~~3.3 +- 9.9E-02~~		~~08/24~~			4
							CO-60	8.79+-0.88E-01		08/24	4		4
							~~CO-60~~	~~L.T. 2. E-01~~		~~08/24~~			4
							ZN-65	L.T. 1. E-01		08/24	4		4
							~~ZN-65~~	~~1.6 +- 8.7E-02~~		~~08/24~~			4
							ZR-95	L.T. 7. E-02		08/24	4		4
							~~ZR-95~~	~~2.3 +- 44.8E-03~~		~~08/24~~			4
							RU-103	L.T. 2. E-01		08/24	4		4
							~~RU-103~~	~~3.8 +- 11.5E-02~~		~~08/24~~			4
							RU-106	L.T. 1. E 00		08/24	4		4
							~~RU-106~~	~~9.9 +- 59.4E-02~~		~~08/24~~			4
							I-131	L.T. 7. E-01		08/24	4		4
							~~I-131~~	~~2.1 +- 45.1E-02~~		~~08/24~~			4
							CS-134	~~L.T. 8. E-02~~	1.3±0.5E-01	08/24			4
							~~CS-134~~	~~8.9 +- 4.5E-02~~		~~08/24~~			4
							CS-137	6.67+-0.67E 01		08/24	4		4
							~~CS-137~~	~~L.T. 1. E 00~~		~~08/24~~			4
							BA-140	L.T. 1. E-01		08/24	4		4
							~~BA-140~~	~~5.6 +- 8.9E-02~~		~~08/24~~			4
							CE-141	L.T. 2. E-01		08/24	4		4
							~~CE-141~~	~~8.7 +- 11.4E-02~~		~~08/24~~			4
							CE-144	L.T. 6. E-01		08/24	4		4
							~~CE-144~~	~~5.4 +- 35.6E-02~~		~~08/24~~			4
							EU-152	L.T. 4. E-01		08/24	4		4
							~~EU-152~~	~~5.4 +- 2.7E-01~~		~~08/24~~			4
							EU-154	L.T. 2. E-01		08/24	4		4

The total uranium has been revised for TI#22698. 2/24/94

Verified 4/8/94 2/28/94

Revised 4/11/94

D-46

WHC-SD-EN-TI-249, Rev. 0

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9413281.0163

TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

REVISED 02/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 23
4-3215	LL-1140-F4	08/11/93	09/13/93	

MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-0313

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22698	9308L515-013	B08YJ1	08/04				~~EU-154~~	~~4.2 +-116.E-03~~		~~08/24~~			4
							EU-155	L.T. 3. E-01		08/24			4
							~~EU-155~~	~~2.5 +-16.5E-02~~		~~08/24~~			4
							RA-226	2.15+-1.24E 00		08/24			4
							~~RA-226~~	~~L.T. 2. E-00~~		~~08/24~~			4
							TH-228	8.62+-1.23E-01		08/24			4
							~~TH-228~~	~~L.T. 2. E-01~~		~~08/24~~			4
							TH-234	L.T. 2. E 00		08/24			4
							~~TH-234~~	~~1.9 +-10.1E-01~~		~~08/24~~			4
							TOTAL-U	L.T. 2. E 00		08/24			4
							~~TOTAL-U~~	~~1.9 +-10.1E-01~~		~~08/24~~			4
22699	9308L515-014	B08YJ2	08/04				TC-99	L.T. 1. E 00		09/01			3
							SR-90	3.6 +-0.8 E-01		09/02			3
							~~SR-90~~	~~L.T. 4. E-02~~		~~09/02~~			3
							~~TC-99~~	~~2.5 +-6.79E-01~~		~~09/01~~			3
							BE-7	L.T. 3. E-01		08/26			4
							~~BE-7~~	~~1.1 +-2.1E-01~~		~~08/26~~			4
							K-40	1.58+-0.16E 01		08/26			4
							~~K-40~~	~~L.T. 2. E-00~~		~~08/26~~			4
							MN-54	L.T. 4. E-02		08/26			4
							~~MN-54~~	~~8.0 +-22.9E-03~~		~~08/26~~			4
							CO-58	L.T. 4. E-02		08/26			4
							~~CO-58~~	~~1.4 +-2.3E-02~~		~~08/26~~			4
							FE-59	L.T. 9. E-02		08/26			4
							~~FE-59~~	~~1.5 +-5.3E-02~~		~~08/26~~			4
							CO-60	L.T. 4. E-02		08/26			4
							~~CO-60~~	~~1.7 +-21.4E-03~~		~~08/26~~			4
							ZN-65	L.T. 8. E-02		08/26			4
							~~ZN-65~~	~~9.4 +-47.6E-03~~		~~08/26~~			4
							ZR-95	L.T. 4. E-02		08/26			4
							~~ZR-95~~	~~1.4 +-25.9E-03~~		~~08/26~~			4

Revised 4/11/94 -033

Verified 4/8/94 2/28/94

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WHC-SD-EN-TI-249, Rev. 0

9413281.0164

TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

REVISED 02/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 24
4-3215	LL-1140-F4	08/11/93	09/13/93	

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

S O I L

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22699	9308L515-014	808YJ2	08/04				RU-103	L.T. 5. E-02		08/26			4
							~~RU-103~~	~~1.7 +- 2.7E-02~~		~~08/26~~			4
							RU-106	L.T. 3. E-01		08/26			4
							~~RU-106~~	~~2.3 +- 1.9E-01~~		~~08/26~~			4
							I-131	L.T. 2. E-01		08/26			4
							~~I-131~~	~~2.1 +- 2.2E-02~~		~~08/26~~			4
							CS-134	L.T. 4. E-02		08/26			4
							~~CS-134~~	~~1.9 +- 2.3E-02~~		~~08/26~~			4
							CS-137	7.16+-0.72E-01		08/26			4
							~~CS-137~~	~~L.T. 1. E-01~~		~~08/26~~			4
							BA-140	L.T. 9. E-02		08/26			4
							~~BA-140~~	~~3.1 +- 5.9E-02~~		~~08/26~~			4
							CE-141	L.T. 7. E-02		08/26			4
							~~CE-141~~	~~3.3 +- 4.0E-02~~		~~08/26~~			4
							CE-144	L.T. 2. E-01		08/26			4
							~~CE-144~~	~~1.1 +- 1.2E-01~~		~~08/26~~			4
							EU-152	L.T. 1. E-01		08/26			4
							~~EU-152~~	~~4.9 +- 0.8E-01~~		~~08/26~~			4
							EU-154	L.T. 1. E-01		08/26			4
							~~EU-154~~	~~3.5 +- 7.0E-02~~		~~08/26~~			4
							EU-155	L.T. 1. E-01		08/26			4
							~~EU-155~~	~~4.7 +- 6.8E-02~~		~~08/26~~			4
							RA-226	1.39+-0.35E 00		08/26			4
							~~RA-226~~	~~L.T. 7. E-01~~		~~08/26~~			4
							TH-228	8.08+-0.81E-01		08/26			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~08/26~~			4
							TH-234	1.4 +-0.4 E 00		08/26			4
							~~TH-234~~	~~L.T. 7. E-01~~		~~08/26~~			4
							TOTAL-U	2.87+-0.85E 00		08/26			4
							~~TOTAL-U~~	~~L.T. 7. E-01~~		~~08/26~~			4

Revised 4/18/94

Verified 4/28/94 2/28/94

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

REVISED 02/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 25
4-3215	LL-1140-F4	08/11/93	09/13/93	

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22700	9308L515-015	808YJ3	08/04				TC-99	L.T. 1. E 00		09/01			3
							SR-90	1.4 +-0.1 E 00		09/02			3
							~~SR-90~~	~~L.T. 6. E-02~~		~~09/02~~			3
							~~TC-99~~	~~2.7 +-7.11E-01~~		~~09/01~~			3
							BE-7	L.T. 5. E-01		08/26			4
							~~BE-7~~	~~3.0 +-2.9E-01~~		~~08/26~~			4
							K-40	1.47+-0.15E 01		08/26			4
							~~K-40~~	~~L.T. 2. E-00~~		~~08/26~~			4
							MN-54	L.T. 3. E-02		08/26			4
							~~MN-54~~	~~1.1 +-1.9E-02~~		~~08/26~~			4
							CO-58	L.T. 3. E-02		08/26			4
							~~CO-58~~	~~9.1 +-20.3E-03~~		~~08/26~~			4
							FE-59	L.T. 8. E-02		08/26			4
							~~FE-59~~	~~3.2 +-4.9E-02~~		~~08/26~~			4
							CO-60	L.T. 3. E-02		08/26			4
							~~CO-60~~	~~3.1 +-1.9E-02~~		~~08/26~~			4
							ZN-65	L.T. 7. E-02		08/26			4
							~~ZN-65~~	~~1.6 +-4.1E-02~~		~~08/26~~			4
							ZR-95	L.T. 4. E-02		08/26			4
							~~ZR-95~~	~~9.9 +-22.8E-03~~		~~08/26~~			4
							RU-103	L.T. 6. E-02		08/26			4
							~~RU-103~~	~~9.2 +-33.6E-03~~		~~08/26~~			4
							RU-106	L.T. 3. E-01		08/26			4
							~~RU-106~~	~~7.8 +-203.E-03~~		~~08/26~~			4
							I-131	L.T. 3. E-01		08/26			4
							~~I-131~~	~~3.2 +-35.4E-02~~		~~08/26~~			4
							CS-134	L.T. 4. E-02		08/26			4
							~~CS-134~~	~~2.3 +-2.1E-02~~		~~08/26~~			4
							CS-137	7.08+-0.71E 00		08/26			4
							~~CS-137~~	~~L.T. 3. E-01~~		~~08/26~~			4
							BA-140	L.T. 8. E-02		08/26			4
							~~BA-140~~	~~8.2 +-48.5E-03~~		~~08/26~~			4

Verified 4/8/94 2/28/94

Revised 4/11/94

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9413281.0166

TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REVISED 02/24/94
RUN DATE 09/21/93

REPORT OF ANALYSIS

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 26
4-3215	LL-1140-F4	08/11/93	09/13/93	

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22700	9308L515-015	B08YJ3	08/04				CE-141	L.T. 7. E-02		08/26			4
							~~CE-141~~	~~3.4 +- 4.1E-03~~		~~08/26~~			4
							CE-144	L.T. 2. E-01		08/26			4
							~~CE-144~~	~~1.1 + 1.2E-01~~		~~08/26~~			4
							EU-152	L.T. 1. E-01		08/26			4
							~~EU-152~~	~~5.3 + 0.9E-01~~		~~08/26~~			4
							EU-154	L.T. 1. E-01		08/26			4
							~~EU-154~~	~~6.2 + 66.7E-03~~		~~08/26~~			4
							EU-155	L.T. 1. E-01		08/26			4
							~~EU-155~~	~~3.9 +- 6.8E-02~~		~~08/26~~			4
							RA-226	1.24+-0.44E 00		08/26			4
							~~RA-226~~	~~L.T. 8. E-01~~		~~08/26~~			4
							TH-228	6.22+-0.62E-01		08/26			4
							~~TH-228~~	~~L.T. 9. E-02~~		~~08/26~~			4
							TH-234	1.3 +-0.4 E 00		08/26			4
							~~TH-234~~	~~L.T. 7. E-01~~		~~08/26~~			4
							TOTAL-U	2.63+-0.89E 00		08/26			4
							~~TOTAL-U~~	~~L.T. 7. E-01~~		~~08/26~~			4
22701	9308L515-016	B08YJ4	08/04				TC-99	L.T. 8. E-01		09/01			3
							SR-90	1.5 +-0.1 E 00		09/02			3
							~~SR-90~~	~~L.T. 6. E-02~~		~~09/02~~			3
							~~TC-99~~	~~7.4 + 45.8E-02~~		~~09/01~~			3
							BE-7	L. T. 6. E-01		09/08			4
							~~BE-7~~	~~4.1 ± 36.6 E-02~~		~~09/08~~			4
							K-40	1.6 ± 0.2 E 01		09/08			4
							~~K-40~~	~~L. T. 2. E-00~~		~~09/08~~			4
							MN-54	L. T. 4. E-02		09/08			4
							~~MN-54~~	~~5.7 ± 215. E-04~~		~~09/08~~			4
							CO-58	L. T. 4. E-02		09/08			4
							~~CO-58~~	~~3.4 ± 2.6 E-02~~		~~09/08~~			4
							FE-59	L. T. 1. E-01		09/08			4

The gamma results for T1#22701 have been revised.

WHC-SD-EN-TI-249, Rev. 0

D-50

Revised 4/11/94 036

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94/3281.0167

TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

REVISED 02/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 27
4-3215	LL-1140-F4	08/11/93	09/13/93	

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

S O I L

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22701	9308L515-016	808YJ4	08/04				~~FE-59~~	~~1.6 ± 6.3 E-02~~		~~09/08~~			4
							CO-60	L. T. 3. E-02		09/08	45		4
							~~CO-60~~	~~1.6 ± 2.0 E-02~~		~~09/08~~			4
							ZN-65	L. T. 7. E-02		09/08	45		4
							~~ZN-65~~	~~7.4 ± 45.7 E-03~~		~~09/08~~			4
							ZR-95	L. T. 4. E-02		09/08	45		4
							~~ZR-95~~	~~4.3 ± 26.7 E-03~~		~~09/08~~			4
							RU-103	L. T. 7. E-02		09/08	45		4
							~~RU-103~~	~~1.4 ± 4.4 E-02~~		~~09/08~~			4
							RU-106	L. T. 4. E-01		09/08	45		4
							~~RU-106~~	~~1.0 ± 2.3 E-01~~		~~09/08~~			4
							I-131	L. T. 8. E-01		09/08	45		4
							~~I-131~~	~~3.3 ± 49.2 E-02~~		~~09/08~~			4
							CS-134	~~L. T. 4. E-02~~	4.2 ± 1.8E-02	09/08	5		4
							~~CS-134~~	~~2.8 ± 2.2 E-02~~		~~09/08~~			4
							CS-137	7.2 ± 0.7 E 00		09/08	5		4
							~~CS-137~~	~~L. T. 3. E-01~~		~~09/08~~			4
							BA-140	L. T. 2. E-01		09/08	45		4
							~~BA-140~~	~~1.3 ± 1.2 E-01~~		~~09/08~~			4
							CE-141	L. T. 9. E-02		09/08	45		4
							~~CE-141~~	~~3.0 ± 6.6 E-02~~		~~09/08~~			4
							CE-144	L. T. 2. E-01		09/08	45		4
							~~CE-144~~	~~5.4 ± 13.7 E-02~~		~~09/08~~			4
							EU-152	L. T. 1. E-01		09/08	45		4
							~~EU-152~~	~~3.6 ± 86.4 E-01~~		~~09/08~~			4
							EU-154	L. T. 1. E-01		09/08	45		4
							~~EU-154~~	~~4.1 ± 6.5 E-02~~		~~09/08~~			4
							EU-155	L. T. 1. E-01		09/08	45		4
							~~EU-155~~	~~6.4 ± 7.0 E-02~~		~~09/08~~			4
							RA-226	1.1 ± 0.4 E 00		09/08	5		4
							~~RA-226~~	~~L. T. 8. E-01~~		~~09/08~~			4
							TH-228	6.4 ± 0.6 E-01		09/08	5		4

Revised 4/11/94 037

Verified 4/8/94 2/28/94

WHC-SD-EN-TI-249, Rev. 0

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TELEDYNE BROWN ENGINEERING ENVIRONMENTAL SERVICES

REPORT OF ANALYSIS

REVISED 02/24/94
RUN DATE 09/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 28
4-3215	LL-1140-F4	08/11/93	09/13/93	

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

SOIL

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
22701	9308L515-016	B08YJ4	08/04				~~TH-228~~	~~L.T. 1. E-01~~		~~09/08~~			4
							TH-234	8.1 ± 4.3 E-01		09/08	U		4
							~~TH-234~~	~~L.T. 7. E-01~~		~~09/08~~			4
							TOTAL-U	1.6 +-0.8 E 00		09/08	U		4
							~~TOTAL-U~~	~~L.T. 7. E-01~~		~~08/24~~			4
22702	9308L515-016DUPB08YJ4		08/04				TC-99	L.T. 1. E 00		09/01	UR	94/8/94	3
							SR-90	1.7 +-0.1 E 00		09/02			3
							~~SR-90~~	~~L.T. 4. E-02~~		~~09/02~~			3
							~~TC-99~~	~~4.8 +-59.6E-02~~		~~09/01~~			3
							BE-7	L.T. 5. E-01		08/26	U		4
							~~BE-7~~	~~1.3 +-31.0E-02~~		~~08/26~~			4
							K-40	1.43+-0.14E 01		08/26	U		4
							~~K-40~~	~~L.T. 2. E-00~~		~~08/26~~			4
							MN-54	L.T. 3. E-02		08/26	U		4
							~~MN-54~~	~~1.6 +- 2.0E-02~~		~~08/26~~			4
							CO-58	L.T. 4. E-02		08/26	U		4
							~~CO-58~~	~~1.2 +- 2.1E-02~~		~~08/26~~			4
							FE-59	L.T. 9. E-02		08/26	U		4
							~~FE-59~~	~~5.0 +-53.2E-02~~		~~08/26~~			4
							CO-60	L.T. 3. E-02		08/26	U		4
							~~CO-60~~	~~1.3 + 2.0E-01~~		~~08/26~~			4
							ZN-65	L.T. 7. E-02		08/26	U		4
							~~ZN-65~~	~~5.7 +-43.7E-02~~		~~08/26~~			4
							ZR-95	L.T. 4. E-02		08/26	U		4
							~~ZR-95~~	~~1.0 + 2.5E-01~~		~~08/26~~			4
							RU-103	L.T. 6. E-02		08/26	U		4
							~~RU-103~~	~~1.2 +- 3.6E-02~~		~~08/26~~			4
							RU-106	L.T. 4. E-01		08/26	U		4
							~~RU-106~~	~~5.4 + 21.6E-02~~		~~08/26~~			4
							I-131	L.T. 3. E-01		08/26	U		4
							~~I-131~~	~~2.5 + 16.4E-02~~		~~08/26~~			4

Revised 4/11/94

Verified 4/8/94 2/28/94

WHC-SD-EN-TI-249, Rev. 0

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SDG 25866-WES 305 9413281.0169

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/27/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3698	LL-1140-F4	09/10/93	10/13/93	1

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25866	9309L782-001	B08YF9	07/30				SR-90	L.T. 2. E-02		10/20	U	6.61 *	3
							TC-99	L.T. 7. E-01		10/07 ~~UR~~	U5		3
							~~TC-99~~	~~1.2 +- 4.1 E-01~~		~~10/07~~			3
							~~SR-90~~	~~9.3 +- 15.1 E-03~~		~~10/20~~			3
							BE-7	2.35+-0.43 E 00		09/22			4
							~~BE-7~~	~~L.T. 8. E-01~~		~~09/22~~			4
							K-40	4.52+-0.45 E 00		09/22			4
							~~K-40~~	~~L.T. 1. E 00~~		~~09/22~~			4
							MN-54	L.T. 4. E-02		09/22	U		4
							~~MN-54~~	~~6.6 +- 26.5 E-03~~		~~09/22~~			4
							CO-58	L.T. 7. E-02		09/22	U		4
							~~CO-58~~	~~7.3 +- 40.6 E-03~~		~~09/22~~			4
							FE-59	L.T. 2. E-01		09/22	U		4
							~~FE-59~~	~~1.2 +- 10.1 E-02~~		~~09/22~~			4
							CO-60	L.T. 4. E-02		09/22	U		4
							~~CO-60~~	~~1.3 +- 2.3 E-02~~		~~09/22~~			4
							ZN-65	L.T. 9. E-02		09/22	U		4
							~~ZN-65~~	~~1.4 +- 5.5 E-02~~		~~09/22~~			4
							ZR-95	L.T. 7. E-02		09/22	U		4
							~~ZR-95~~	~~7.0 +- 4.2 E-02~~		~~09/22~~			4
							RU-103	L.T. 9. E-02		09/22	U		4
							~~RU-103~~	~~3.5 +- 5.6 E-02~~		~~09/22~~			4
							RU-106	L.T. 4. E-01		09/22	U		4
							~~RU-106~~	~~2.6 +- 24.5 E-02~~		~~09/22~~			4
							I-131	L.T. 4. E 00		09/22	U		4
							~~I-131~~	~~1.1 +- 2.4 E 00~~		~~09/22~~			4
							CS-134	L.T. 4. E-02		09/22	U		4
							~~CS-134~~	~~1.1 +- 27.1 E-03~~		~~09/22~~			4
							CS-137	L.T. 4. E-02		09/22	U		4
							~~CS-137~~	~~1.1 +- 2.6 E-02~~		~~09/22~~			4
							BA-140	L.T. 7. E-01		09/22	U		4
							~~BA-140~~	~~1.6 +- 4.2 E-01~~		~~09/22~~			4

216-U-11

S. Wheatgrass

Revised 4/12/94

Verified 2/9/94

4/12/94

HNF-HC-SD-EN-TI-249, Rev. 0

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9413281.0170

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/27/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3698	LL-1140-F4	09/10/93	10/13/93	2

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25866	9309L782-001	B08YF9	07/30				CE-141	L.T. 1. E-01		09/22	U		4
							~~CE-141~~	~~1.2 +- 0.9E-01~~		~~09/22~~			4
							CE-144	L.T. 2. E-01		09/22	U		4
							~~CE-144~~	~~1.1 +- 1.4E-01~~		~~09/22~~			4
							EU-152	L.T. 1. E-01		09/22	U		4
							~~EU-152~~	~~9.7 +- 7.6E-02~~		~~09/22~~			4
							EU-154	L.T. 1. E-01		09/22	U		4
							~~EU-154~~	~~1.9 +- 7.3E-02~~		~~09/22~~			4
							EU-155	L.T. 1. E-01		09/22	U		4
							~~EU-155~~	~~5.7 +- 0.7E-01~~		~~09/22~~			4
							RA-226	L.T. 8. E-01		09/22	U		4
							~~RA-226~~	~~4.4 +- 44.5E-02~~		~~09/22~~			4
							~~TH-228~~	~~L.T. 8. E-02~~		~~09/22~~			4
							TH-228	2.0 +- 0.5E-01		09/22	U		4
							TH-234	L.T. 8. E-01		09/22	U		4
							~~TH-234~~	~~7.6 +- 4.6E-01~~		~~09/22~~			4
							TOTAL-U	L.T. 8. E-01		09/22	U		4
							~~TOTAL-U~~	~~7.59+ 4.55E-01~~		~~09/22~~			4
26048	9309L782-001DUPB08YF9		07/30				SR-90	L.T. 4. E-02		10/22	U		3
							TC-99	L.T. 4. E-01		10/07	U		3
							~~TC-99~~	~~1.0 +- 2.60E-01~~		~~10/07~~			3
							~~SR-90~~	~~1.6 +- 2.8 E-02~~		~~10/22~~			3
							BE-7	2.44+-0.47E 00		09/23			4
							~~BE-7~~	~~L.T. 9. E-01~~		~~09/23~~			4
							K-40	4.31+-0.45E 00		09/23			4
							~~K-40~~	~~L.T. 1. E 00~~		~~09/23~~			4
							MN-54	L.T. 5. E-02		09/23	U		4
							~~MN-54~~	~~7.6 +- 29.8E-03~~		~~09/23~~			4
							CO-58	L.T. 7. E-02		09/23	U		4
							~~CO-58~~	~~4.7 +- 4.6E-02~~		~~09/23~~			4
							FE-59	L.T. 2. E-01		09/23	U		4

216-U-11
S. wheatgrass

Verified 2/9/94

WHC-SD-EN-TI-249, Rev. 0

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SOG 26049-WES 334941 3281.0171

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/28/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3831	LL-1140-F4	09/14/93	10/17/93	1

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26049	9309L885-001	B08YJ0	08/02				SR-90	1.2 +-0.1 E 00		10/20		10.82 *	3
							TC-99	L.T. 9. E-01		10/07			3
							~~TC-99~~	~~1.1 +- 5.41E-01~~		~~10/07~~			3
							~~SR-90~~	~~L.T. 5. E-02~~		~~10/20~~			3
							BE-7	8.69+-0.87E 00		09/24			4
							~~BE-7~~	~~L.T. 1. E-00~~		~~09/24~~			4
							K-40	5.91+-0.59E 00		09/24			4
							~~K-40~~	~~L.T. 2. E-00~~		~~09/24~~			4
							MN-54	L.T. 6. E-02		09/24			4
							~~MN-54~~	~~6.8 +- 34.1E-03~~		~~09/24~~			4
							CO-58	L.T. 8. E-02		09/24			4
							~~CO-58~~	~~4.9 +- 5.0E-02~~		~~09/24~~			4
							FE-59	L.T. 2. E-01		09/24			4
							~~FE-59~~	~~6.1 +- 124.E-03~~		~~09/24~~			4
							CO-60	L.T. 5. E-02		09/24			4
							~~CO-60~~	~~2.2 +- 2.8E-02~~		~~09/24~~			4
							ZN-65	L.T. 1. E-01		09/24			4
							~~ZN-65~~	~~1.1 +- 7.0E-02~~		~~09/24~~			4
							ZR-95	L.T. 9. E-02		09/24			4
							~~ZR-95~~	~~2.9 +- 5.1E-02~~		~~09/24~~			4
							RU-103	L.T. 1. E-01		09/24			4
							~~RU-103~~	~~4.9 +- 7.0E-02~~		~~09/24~~			4
							RU-106	L.T. 5. E-01		09/24			4
							~~RU-106~~	~~1.3 +- 3.1E-01~~		~~09/24~~			4
							I-131	L.T. 5. E 00		09/24			4
							~~I-131~~	~~8.2 +- 28.0E-01~~		~~09/24~~			4
							CS-134	L.T. 6. E-02		09/24			4
							~~CS-134~~	~~6.9 +- 351.E-04~~		~~09/24~~			4
							CS-137	7.80+-0.78E-01		09/24			4
							~~CS-137~~	~~L.T. 1. E-01~~		~~09/24~~			4
							BA-140	L.T. 8. E-01		09/24			4
							~~BA-140~~	~~2.1 +- 4.8E-01~~		~~09/24~~			4

216-A-24
Cheat grass

2/9/94 verified

WHC-SD-EN-TI-249, Rev. 0

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/28/93

PAGE 2

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3831	LL-1140-F4	09/14/93	10/17/93

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26049	9309L885-001	B08YJ0	08/02				CE-141	L.T. 2. E-01		09/24	u		4
							~~CE-141~~	~~4.5 +- 11.4E-02~~		~~09/24~~			4
							CE-144	L.T. 3. E-01		09/24	u		4
							~~CE-144~~	~~4.0 +- 18.8E-02~~		~~09/24~~			4
							EU-152	L.T. 2. E-01		09/24	u		4
							~~EU-152~~	~~2.9 +- 1.0E-01~~		~~09/24~~			4
							EU-154	L.T. 1. E-01		09/24	u		4
							~~EU-154~~	~~4.9 +- 9.1E-02~~		~~09/24~~			4
							EU-155	L.T. 2. E-01		09/24	u		4
							~~EU-155~~	~~5.1 +- 8.9E-01~~		~~09/24~~			4
							RA-226	L.T. 1. E 00		09/24	u		4
							~~RA-226~~	~~1.6 +- 5.6E-01~~		~~09/24~~			4
							TH-228	3.27+-0.47E-01		09/24			4
							~~TH-228~~	~~L.T. 1. E-01~~		~~09/24~~			4
							TH-234	L.T. 1. E 00		09/24	u		4
							~~TH-234~~	~~7.6 +- 5.6E-01~~		~~09/24~~			4
							TOTAL-U	L.T. 1. E 00		09/24	u		4
							~~TOTAL-U~~	~~7.58+-5.61E-01~~		~~09/24~~			4
26050	9309L885-002	B08YM0	09/07				SR-90	7.2 +-2.3 E-02		10/20		8.76 *	3
							TC-99	L.T. 5. E-01		10/07	u		3
							~~TC-99~~	~~2.3 +- 3.44E-01~~		~~10/07~~			3
							~~SR-90~~	~~L.T. 2. E-02~~		~~10/20~~			3
							BE-7	4.03+-0.40E 00		09/24			4
							~~BE-7~~	~~L.T. 6. E-01~~		~~09/24~~			4
							K-40	5.90+-0.59E 00		09/24			4
							~~K-40~~	~~L.T. 1. E 00~~		~~09/24~~			4
							MN-54	L.T. 4. E-02		09/24	u		4
							~~MN-54~~	~~6.5 +- 22.3E-03~~		~~09/24~~			4
							CO-58	L.T. 4. E-02		09/24	u		4
							~~CO-58~~	~~7.8 +- 24.4E-03~~		~~09/24~~			4
							FE-59	L.T. 8. E-02		09/24	u		4

216-A-24
Cheatgrass

Saddle Lake
Cheatgrass

Verified
2/9/94

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9413281.0173

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/28/93

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3831	LL-1140-F4	09/14/93	10/17/93

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26050	9309L885-002	B08YM0	09/07				~~FE-59~~	~~2.5 +- 4.9E-02~~		~~09/24~~			4
							CO-60	L.T. 3. E-02		09/24	U		4
							~~CO-60~~	~~1.6 +- 2.0E-02~~		~~09/24~~			4
							ZN-65	L.T. 8. E-02		09/24	U		4
							~~ZN-65~~	~~6.2 +-45.7E-03~~		~~09/24~~			4
							ZR-95	L.T. 4. E-02		09/24	U		4
							~~ZR-95~~	~~3.1 +- 2.6E-02~~		~~09/24~~			4
							RU-103	L.T. 4. E-02		09/24	U		4
							~~RU-103~~	~~1.2 +- 2.6E-02~~		~~09/24~~			4
							RU-106	L.T. 3. E-01		09/24	U		4
							~~RU-106~~	~~1.0 +- 2.1E-01~~		~~09/24~~			4
							I-131	L.T. 1. E-01		09/24	U		4
							~~I-131~~	~~1.0 +- 8.9E-03~~		~~09/24~~			4
							CS-134	L.T. 4. E-02		09/24	U		4
							~~CS-134~~	~~6.1 +-24.2E-03~~		~~09/24~~			4
							CS-137	4.60+-2.12E-02		09/24			4
							~~CS-137~~	~~L.T. 4. E-02~~		~~09/24~~			4
							BA-140	L.T. 8. E-02		09/24	U		4
							~~BA-140~~	~~1.2 + 5.2E-02~~		~~09/24~~			4
							CE-141	L.T. 6. E-02		09/24	U		4
							~~CE-141~~	~~1.7 + 3.7E-02~~		~~09/24~~			4
							CE-144	L.T. 2. E-01		09/24	U		4
							~~CE-144~~	~~1.3 + 1.2E-01~~		~~09/24~~			4
							EU-152	L.T. 1. E-01		09/24	U		4
							~~EU-152~~	~~3.8 + 0.8E-01~~		~~09/24~~			4
							EU-154	L.T. 2. E-01		09/24	U		4
							~~EU-154~~	~~1.1 + 0.8E-01~~		~~09/24~~			4
							EU-155	L.T. 1. E-01		09/24	U		4
							~~EU-155~~	~~5.0 + 0.7E-01~~		~~09/24~~			4
							RA-226	L.T. 7. E-01		09/24	U		4
							~~RA-226~~	~~2.5 + 4.0E-01~~		~~09/24~~			4
							TH-228	3.08+-0.33E-01		09/24			4

Saddle Lake
Cheatgrass

Verified
2/9/94

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9413281.0174

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3831	LL-1140-F4	09/14/93	10/17/93

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

SOLIDS

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26050	9309L885-002	B08YM0	09/07				~~TH-228~~	~~L.T. 8. E-02~~		~~09/24~~			4
							TH-234	L.T. 7. E-01		09/24	u		4
							~~TH-234~~	~~8.8 +- 4.2E-01~~		~~09/24~~			4
							TOTAL-U	L.T. 7. E-01		09/24	u		4
							~~TOTAL-U~~	~~8.76+- 4.24E-01~~		~~09/24~~			4
26051	9309L885-003	B08YM1	09/07				SR-90	5.0 +-0.9 E-02		10/20		6.14 *	3
							TC-99	L.T. 6. E-01		10/07	~~u~~ u		3
							~~TC-99~~	~~3.1 +- 34.9E-02~~		~~10/07~~			3
							~~SR-90~~	~~L.T. 7. E-03~~		~~10/20~~			3
							BE-7	1.49+-0.20E 00		09/24			4
							~~BE-7~~	~~L.T. 3. E-01~~		~~09/24~~			4
							K-40	7.26+-0.73E 00		09/24			4
							~~K-40~~	~~L.T. 1. E-00~~		~~09/24~~			4
							MN-54	L.T. 2. E-02		09/24	u		4
							~~MN-54~~	~~1.4 +- 14.8E-03~~		~~09/24~~			4
							CO-58	L.T. 3. E-02		09/24	u		4
							~~CO-58~~	~~2.3 +- 17.6E-03~~		~~09/24~~			4
							FE-59	L.T. 6. E-02		09/24	u		4
							~~FE-59~~	~~9.7 +- 37.1E-03~~		~~09/24~~			4
							CO-60	L.T. 2. E-02		09/24	u		4
							~~CO-60~~	~~8.1 +- 140.E-04~~		~~09/24~~			4
							ZN-65	L.T. 5. E-02		09/24	u		4
							~~ZN-65~~	~~2.9 +- 32.1E-03~~		~~09/24~~			4
							ZR-95	L.T. 3. E-02		09/24	u		4
							~~ZR-95~~	~~8.4 +- 16.8E-03~~		~~09/24~~			4
							RU-103	L.T. 3. E-02		09/24	u		4
							~~RU-103~~	~~8.1 +- 17.6E-03~~		~~09/24~~			4
							RU-106	L.T. 2. E-01		09/24	u		4
							~~RU-106~~	~~1.6 +- 14.1E-02~~		~~09/24~~			4
							I-131	L.T. 1. E-01		09/24	u		4
							~~I-131~~	~~7.0 +- 59.2E-03~~		~~09/24~~			4

Saddle Lake
willow

Verified 2/4/94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3831	LL-1140-F4	09/14/93	10/17/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26051	9309L885-003	B08YM1	09/07				CS-134	L.T. 3. E-02		09/24	U		4
							~~CS-134~~	~~8.6 +- 16.0E-03~~		~~09/24~~			4
							CS-137	L.T. 3. E-02		09/24	U		4
							~~CS-137~~	~~0.0 +- 1.6E-02~~		~~09/24~~			4
							BA-140	L.T. 5. E-02		09/24	U		4
							~~BA-140~~	~~3.8 +- 32.6E-03~~		~~09/24~~			4
							CE-141	L.T. 4. E-02		09/24	U		4
							~~CE-141~~	~~3.2 +- 2.4E-02~~		~~09/24~~			4
							CE-144	L.T. 1. E-01		09/24	U		4
							~~CE-144~~	~~3.0 +- 7.8E-02~~		~~09/24~~			4
							EU-152	L.T. 7. E-02		09/24	U		4
							~~EU-152~~	~~3.2 +- 4.5E-02~~		~~09/24~~			4
							EU-154	L.T. 8. E-02		09/24	U		4
							~~EU-154~~	~~3.1 +- 4.8E-02~~		~~09/24~~			4
							EU-155	L.T. 7. E-02		09/24	U		4
							~~EU-155~~	~~3.6 +- 0.4E-01~~		~~09/24~~			4
							RA-226	L.T. 5. E-01		09/24	U		4
							~~RA-226~~	~~2.2 +- 2.7E-01~~		~~09/24~~			4
							TH-228	5.86+-2.16E-02		09/24			4
							~~TH-228~~	~~L.T. 4. E-02~~		~~09/24~~			4
							TH-234	L.T. 5. E-01		09/24	U		4
							~~TH-234~~	~~4.1 +- 2.7E-01~~		~~09/24~~			4
							TOTAL-U	L.T. 5. E-01		09/24	U		4
							~~TOTAL-U~~	~~4.09+-2.72E-01~~		~~09/24~~			4
26052	9309L885-004	B08YM2	09/07				SR-90	L.T. 2. E-02		10/20	U	9.23 *	3
							TC-99	L.T. 5. E-01		10/07	U		3
							~~TC-99~~	~~7.1 +- 27.1E-02~~		~~10/07~~			3
							~~SR-90~~	~~2.0 +- 1.62E-02~~		~~10/20~~			3
							BE-7	L.T. 3. E-01		09/24	U		4
							~~BE-7~~	~~2.9 +- 198.E-03~~		~~09/24~~			4
							K-40	7.15+-0.71E 00		09/24			4

Saddle Lake
Willow

Saddle Lake
Cattail

Verified 2/9/94

9413281.0176

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3831	LL-1140-F4	09/14/93	10/17/93

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26052	9309L885-004	808YM2	09/07				~~K-40~~	~~L.T. 1. E-00~~		~~09/24~~			4
							MN-54	L.T. 4. E-02		09/24	U		4
							~~MN-54~~	~~1.2 +- 2.1E-02~~		~~09/24~~			4
							CO-58	L.T. 4. E-02		09/24	U		4
							~~CO-58~~	~~1.7 +- 2.4E-02~~		~~09/24~~			4
							FE-59	L.T. 8. E-02		09/24	U		4
							~~FE-59~~	~~2.3 +- 5.1E-02~~		~~09/24~~			4
							CO-60	L.T. 3. E-02		09/24	U		4
							~~CO-60~~	~~3.2 +- 20.5E-03~~		~~09/24~~			4
							ZN-65	L.T. 7. E-02		09/24	U		4
							~~ZN-65~~	~~1.9 +- 4.5E-02~~		~~09/24~~			4
							ZR-95	L.T. 4. E-02		09/24	U		4
							~~ZR-95~~	~~1.9 +- 2.5E-02~~		~~09/24~~			4
							RU-103	L.T. 4. E-02		09/24	U		4
							~~RU-103~~	~~1.4 +- 2.5E-02~~		~~09/24~~			4
							RU-106	L.T. 3. E-01		09/24	U		4
							~~RU-106~~	~~1.8 +- 20.1E-02~~		~~09/24~~			4
							I-131	L.T. 1. E-01		09/24	U		4
							~~I-131~~	~~2.6 +- 8.7E-02~~		~~09/24~~			4
							CS-134	L.T. 4. E-02		09/24	U		4
							~~CS-134~~	~~4.1 +- 229.E-04~~		~~09/24~~			4
							CS-137	L.T. 4. E-02		09/24	U		4
							~~CS-137~~	~~1.5 +- 2.3E-02~~		~~09/24~~			4
							BA-140	L.T. 8. E-02		09/24	U		4
							~~BA-140~~	~~8.3 +- 48.8E-03~~		~~09/24~~			4
							CE-141	L.T. 6. E-02		09/24	U		4
							~~CE-141~~	~~1.7 +- 3.6E-02~~		~~09/24~~			4
							CE-144	L.T. 2. E-01		09/24	U		4
							~~CE-144~~	~~3.4 +- 11.7E-02~~		~~09/24~~			4
							EU-152	L.T. 1. E-01		09/24	U		4
							~~EU-152~~	~~6.4 +- 6.4E-02~~		~~09/24~~			4
							EU-154	L.T. 1. E-01		09/24	U		4

Saddle Lake
Cattail

Verified 2/9/94

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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

SOLIDS

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26052	9309L885-004	B08YM2	09/07				~~EU-154~~	~~1.5 +- 64.4E-03~~		~~09/24~~			4
							EU-155	L.T. 1. E-01		09/24	U		4
							~~EU-155~~	~~4.1 +- 0.6E-01~~		~~09/24~~			4
							RA-226	L.T. 6. E-01		09/24	U		4
							~~RA-226~~	~~1.1 +- 3.7E-01~~		~~09/24~~			4
							TH-228	L.T. 6. E-02		09/24	U		4
							~~TH-228~~	~~2.3 +- 3.4E-02~~		~~09/24~~			4
							TH-234	L.T. 6. E-01		09/24	U		4
							~~TH-234~~	~~2.3 +- 3.8E-01~~		~~09/24~~			4
							TOTAL-U	L.T. 6. E-01		09/24	U		4
							~~TOTAL-U~~	~~2.34+- 3.81E-01~~		~~09/24~~			4
26053	9309L885-005	B08YM3	09/07				SR-90	2.1 +-0.6 E-02		10/20		4.97 *	3
							TC-99	L.T. 4. E-01		10/07	U		3
							~~TC-99~~	~~2.0 +-2.56E-01~~		~~10/07~~			3
							~~SR-90~~	~~L.T. 7. E-03~~		~~10/20~~			3
							BE-7	L.T. 5. E-01		09/25	U		4
							~~BE-7~~	~~1.1 +- 3.2E-01~~		~~09/25~~			4
							K-40	4.49+-0.45E 01		09/25			4
							~~K-40~~	~~L.T. 3. E 00~~		~~09/25~~			4
							MN-54	L.T. 6. E-02		09/25	U		4
							~~MN-54~~	~~3.7 +- 3.4E-02~~		~~09/25~~			4
							CO-58	L.T. 6. E-02		09/25	U		4
							~~CO-58~~	~~2.2 +- 3.0E-02~~		~~09/25~~			4
							FE-59	L.T. 2. E-01		09/25	U		4
							~~FE-59~~	~~3.8 +- 9.3E-02~~		~~09/25~~			4
							CO-60	L.T. 5. E-02		09/25	U		4
							~~CO-60~~	~~1.6 +- 31.9E-03~~		~~09/25~~			4
							ZN-65	L.T. 1. E-01		09/25	U		4
							~~ZN-65~~	~~3.6 +- 8.5E-02~~		~~09/25~~			4
							ZR-95	L.T. 7. E-02		09/25	U		4
							~~ZR-95~~	~~3.7 +- 4.0E-02~~		~~09/25~~			4

Saddle Lake
Cattail

Saddle Lake
Russian Thistle

Verified 2/9/94

9413281.0178

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3831	LL-1140-F4	09/14/93	10/17/93

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26053	9309L885-005	B08YM3	09/07				RU-103	L.T. 7. E-02		09/25	u		4
							~~RU-103~~	~~6.7 +- 40.5E-03~~		~~09/25~~			4
							RU-106	L.T. 5. E-01		09/25	u		4
							~~RU-106~~	~~8.6 +- 31.9E-02~~		~~09/25~~			4
							I-131	L.T. 2. E-01		09/25	u		4
							~~I-131~~	~~3.3 +- 141.E-03~~		~~09/25~~			4
							CS-134	L.T. 6. E-02		09/25	u		4
							~~CS-134~~	~~9.0 +- 36.6E-03~~		~~09/25~~			4
							CS-137	L.T. 6. E-02		09/25	u		4
							~~CS-137~~	~~2.7 +- 3.7E-02~~		~~09/25~~			4
							BA-140	L.T. 1. E-01		09/25	u		4
							~~BA-140~~	~~4.1 +- 6.8E-02~~		~~09/25~~			4
							CE-141	L.T. 9. E-02		09/25	u		4
							~~CE-141~~	~~8.8 +- 55.3E-03~~		~~09/25~~			4
							CE-144	L.T. 3. E-01		09/25	u		4
							~~CE-144~~	~~8.1 +- 17.7E-02~~		~~09/25~~			4
							EU-152	L.T. 2. E-01		09/25	u		4
							~~EU-152~~	~~1.0 +- 1.0E-01~~		~~09/25~~			4
							EU-154	L.T. 2. E-01		09/25	u		4
							~~EU-154~~	~~0.0 +- 1.1E-01~~		~~09/25~~			4
							EU-155	L.T. 2. E-01		09/25	u		4
							~~EU-155~~	~~7.3 +- 0.9E-01~~		~~09/25~~			4
							RA-226	L.T. 1. E 00		09/25	u		4
							~~RA-226~~	~~1.4 +- 5.5E-01~~		~~09/25~~			4
							TH-228	L.T. 1. E-01		09/25	u		4
							~~TH-228~~	~~6.9 +- 5.5E-02~~		~~09/25~~			4
							TH-234	L.T. 1. E 00		09/25	u		4
							~~TH-234~~	~~9.0 +- 5.6E-01~~		~~09/25~~			4
							TOTAL-U	L.T. 1. E 00		09/25	u		4
							~~TOTAL-U~~	~~9.03+- 5.64E-01~~		~~09/25~~			4

Saddle Lake
Russian thistle

Verified 2/9/94

D-62

.016

WHC-SD-EN-TI-249, Rev. 0

9413281.0179

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3591	LL-1140-F4	09/08/93	10/11/93	1

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25355	9309L783-001	808YJ9	08/20				SR-90	L.T. 2. E-01		12/15	U		3
							~~SR-90~~	~~1.7 +- 9.98E-02~~		~~12/15~~			3
							BE-7	L.T. 1. E 00		09/08	UJ		4
							~~BE-7~~	~~1.1 +- 66.8E-02~~		~~09/08~~			4
							K-40	~~1.68+-0.73E-00~~	LT 3.E00	09/08	UJ	4-8-94	4
							~~K-40~~	~~L.T. 3. E-00~~		~~09/08~~			4
							MN-54	L.T. 1. E-01		09/08	UJ		4
							~~MN-54~~	~~8.5 +- 7.2E-02~~		~~09/08~~			4
							CO-58	L.T. 1. E-01		09/08	UJ		4
							~~CO-58~~	~~4.9 +- 8.4E-02~~		~~09/08~~			4
							FE-59	L.T. 3. E-01		09/08	UJ		4
							~~FE-59~~	~~1.4 +- 1.7E-01~~		~~09/08~~			4
							CO-60	L.T. 1. E-01		09/08	UJ		4
							~~CO-60~~	~~5.8 +- 7.1E-02~~		~~09/08~~			4
							ZN-65	L.T. 3. E-01		09/08	UJ		4
							~~ZN-65~~	~~1.8 +- 1.5E-01~~		~~09/08~~			4
							ZR-95	L.T. 1. E-01		09/08	UJ		4
							~~ZR-95~~	~~3.5 +- 7.8E-02~~		~~09/08~~			4
							RU-103	L.T. 1. E-01		09/08	UJ		4
							~~RU-103~~	~~1.7 +- 8.3E-02~~		~~09/08~~			4
							RU-106	L.T. 1. E 00		09/08	UJ		4
							~~RU-106~~	~~9.9 +- 67.7E-02~~		~~09/08~~			4
							I-131	L.T. 5. E-01		09/08	UJ		4
							~~I-131~~	~~9.3 +- 30.3E-02~~		~~09/08~~			4
							CS-134	L.T. 1. E-01		09/08	UJ		4
							~~CS-134~~	~~4.4 +- 7.7E-02~~		~~09/08~~			4
							CS-137	L.T. 1. E-01		09/08	UJ		4
							~~CS-137~~	~~4.1 +- 7.6E-02~~		~~09/08~~			4
							BA-140	L.T. 3. E-01		09/08	UJ		4
							~~BA-140~~	~~1.1 +- 2.0E-01~~		~~09/08~~			4
							CE-141	L.T. 2. E-01		09/08	UJ		4
							~~CE-141~~	~~9.2 +- 98.4E-03~~		~~09/08~~			4

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Revised: 4-8-94

WHC-SD-EN-TI-249, Rev. 0

9413281.0180

2-18-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25355	9309L783-001	B08YJ9	08/20				CE-144	L.T. 5. E-01		09/08	UJ		4
							~~CE-144~~	~~1.1 +- 30.8E-02~~		~~09/08~~			4
							EU-152	L.T. 3. E-01		09/08	UJ		4
							~~EU-152~~	~~1.8 +- 1.9E-01~~		~~09/08~~			4
							EU-154	L.T. 3. E-01		09/08	UJ		4
							~~EU-154~~	~~1.4 +- 2.2E-01~~		~~09/08~~			4
							EU-155	L.T. 3. E-01		09/08	UJ		4
							~~EU-155~~	~~8.3 +- 1.5E-01~~		~~09/08~~			4
							RA-226	L.T. 2. E 00		09/08	UJ		4
							~~RA-226~~	~~1.6 +- 1.1E 00~~		~~09/08~~			4
							TH-228	L.T. 2. E-01		09/08	UJ		4
							~~TH-228~~	~~1.5 +- 101.E-03~~		~~09/08~~			4
							TH-234	L.T. 2. E 00		09/08	UJ		4
							~~TH-234~~	~~8.6 +- 9.2E-01~~		~~09/08~~			4
							TOTAL-U	L.T. 2. E 00		09/08	UJ		4
							~~TOTAL-U~~	~~8.57+- 9.18E-01~~		~~09/08~~			4
25356	9309L783-002	B08YK0	08/20				SR-90	L.T. 2. E-01		12/15	U		3
							~~SR-90~~	~~1.4 +- 1.16E-01~~		~~12/15~~			3
							BE-7	L.T. 1. E 00		09/08	UJ		4
							~~BE-7~~	~~3.2 +- 7.9E-01~~		~~09/08~~			4
							K-40	L.T. 4. E 00		09/08	UJ		4
							~~K-40~~	~~1.1 +- 169.6E-02~~		~~09/08~~			4
							MN-54	L.T. 1. E-01		09/08	UJ		4
							~~MN-54~~	~~2.2 +- 8.9E-02~~		~~09/08~~			4
							CO-58	L.T. 2. E-01		09/08	UJ		4
							~~CO-58~~	~~3.8 +- 10.3E-02~~		~~09/08~~			4
							FE-59	L.T. 3. E-01		09/08	UJ		4
							~~FE-59~~	~~1.1 +- 2.0E-01~~		~~09/08~~			4
							CO-60	L.T. 1. E-01		09/08	UJ		4
							~~CO-60~~	~~5.4 +- 79.1E-03~~		~~09/08~~			4
							ZN-65	L.T. 3. E-01		09/08	UJ		4

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Revised 4-9

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9413281.0181

2-18-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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4-3591	LL-1140-F4	09/08/93	10/11/93	3

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25356	9309L783-002	B08YK0	08/20				~~ZN-65~~	~~4.8 +- 17.0E-02~~		09/08			4
							ZR-95	L.T. 2. E-01		09/08	UJ		4
							~~ZR-95~~	~~8.7 +- 10.1E-02~~		~~09/08~~			4
							RU-103	L.T. 2. E-01		09/08	UJ		4
							~~RU-103~~	~~1.1 +- 10.8E-02~~		~~09/08~~			4
							RU-106	L.T. 1. E 00		09/08	UJ		4
							~~RU-106~~	~~1.4 +- 86.4E-02~~		~~09/08~~			4
							I-131	L.T. 6. E-01		09/08	UJ		4
							~~I-131~~	~~6.1 +- 39.4E-02~~		~~09/08~~			4
							CS-134	L.T. 2. E-01		09/08	UJ		4
							~~CS-134~~	~~7.9 +- 95.6E-03~~		~~09/08~~			4
							CS-137	L.T. 2. E-01		09/08	UJ		4
							~~CS-137~~	~~2.0 +- 9.2E-02~~		~~09/08~~			4
							BA-140	L.T. 4. E-01		09/08	UJ		4
							~~BA-140~~	~~1.3 +- 2.3E-01~~		~~09/08~~			4
							CE-141	L.T. 2. E-01		09/08	UJ		4
							~~CE-141~~	~~1.8 +- 12.9E-02~~		~~09/08~~			4
							CE-144	L.T. 6. E-01		09/08	UJ		4
							~~CE-144~~	~~2.9 +- 3.9E-01~~		~~09/08~~			4
							EU-152	L.T. 4. E-01		09/08	UJ		4
							~~EU-152~~	~~4.6 +- 2.6E-01~~		~~09/08~~			4
							EU-154	L.T. 7. E-01		09/08	UJ		4
							~~EU-154~~	~~3.2 +- 3.6E-01~~		~~09/08~~			4
							EU-155	L.T. 3. E-01		09/08	UJ		4
							~~EU-155~~	~~1.7 +- 0.2E-00~~		~~09/08~~			4
							RA-226	L.T. 2. E 00		09/08	UJ		4
							~~RA-226~~	~~2.7 +- 14.1E-01~~		~~09/08~~			4
							TH-228	L.T. 2. E-01		09/08	UJ		4
							~~TH-228~~	~~1.2 +- 1.3E-01~~		~~09/08~~			4
							TH-234	L.T. 2. E 00		09/08	UJ		4
							~~TH-234~~	~~2.5 +- 1.2E-00~~		~~09/08~~			4
							TOTAL-U	L.T. 2. E 00		09/08	UJ		4

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2-18-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25356	9309L783-002	B08YK0	08/20				~~TOTAL-U~~	~~2.52+-1.23E 00~~		~~09/08~~			4
25357	9309L783-003	B08YK1	08/20				SR-90	L.T. 1. E-01		12/15	U		3
							~~SR-90~~	~~1.4 +- 9.28E-02~~		~~12/15~~			3
							BE-7	L.T. 1. E 00		09/08	UJ		4
							~~BE-7~~	~~1.2 +- 6.1E-01~~		~~09/08~~			4
							~~K-40~~	~~2.25+-0.73E-00~~		~~09/08~~			4
							K-40	L.T. 3. E 00		09/08	UJ		4
							MN-54	L.T. 1. E-01		09/08	UJ		4
							~~MN-54~~	~~6.4 +- 6.7E-02~~		~~09/08~~			4
							CO-58	L.T. 1. E-01		09/08	UJ		4
							~~CO-58~~	~~7.3 +- 7.5E-02~~		~~09/08~~			4
							FE-59	L.T. 3. E-01		09/08	UJ		4
							~~FE-59~~	~~2.5 +-16.1E-02~~		~~09/08~~			4
							CO-60	L.T. 1. E-01		09/08	UJ		4
							~~CO-60~~	~~8.4 +-62.2E-03~~		~~09/08~~			4
							ZN-65	L.T. 2. E-01		09/08	UJ		4
							~~ZN-65~~	~~5.2 +-14.0E-02~~		~~09/08~~			4
							ZR-95	L.T. 1. E-01		09/08	UJ		4
							~~ZR-95~~	~~3.1 +-76.9E-03~~		~~09/08~~			4
							RU-103	L.T. 1. E-01		09/08	UJ		4
							~~RU-103~~	~~2.7 +-79.5E-03~~		~~09/08~~			4
							RU-106	L.T. 1. E 00		09/08	UJ		4
							~~RU-106~~	~~5.5 +-59.7E-02~~		~~09/08~~			4
							I-131	L.T. 5. E-01		09/08	UJ		4
							~~I-131~~	~~1.7 +- 2.9E-01~~		~~09/08~~			4
							CS-134	L.T. 1. E-01		09/08	UJ		4
							~~CS-134~~	~~5.0 +- 7.0E-02~~		~~09/08~~			4
							~~CS-137~~	~~L.T. 1. E-01~~		~~09/08~~			4
							CS-137	1.1 +- 0.7E-01		09/08	J		4
							BA-140	L.T. 3. E-01		09/08	UJ		4
							~~BA-140~~	~~8.0 +-17.9E-02~~		~~09/08~~			4

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Revised 4-9-94

9413281.0183

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25357	9309L783-003	808YK1	08/20				CE-141	L.T. 2.	E-01	09/08	UJ		4
							~~CE-141~~	~~1.8 +- 0.9~~	~~E-01~~	~~09/08~~			4
							CE-144	L.T. 5.	E-01	09/08	UJ		4
							~~CE-144~~	~~2.1 +- 2.8~~	~~E-01~~	~~09/08~~			4
							EU-152	L.T. 3.	E-01	09/08	UJ		4
							~~EU-152~~	~~2.5 +- 1.9~~	~~E-01~~	~~09/08~~			4
							EU-154	L.T. 3.	E-01	09/08	UJ		4
							~~EU-154~~	~~1.8 +- 20.2~~	~~E-02~~	~~09/08~~			4
							EU-155	L.T. 2.	E-01	09/08	UJ		4
							~~EU-155~~	~~1.1 +- 0.1~~	~~E-00~~	~~09/08~~			4
							RA-226	L.T. 2.	E 00	09/08	UJ		4
							~~RA-226~~	~~6.7 +- 104.~~	~~E-02~~	~~09/08~~			4
							TH-228	L.T. 2.	E-01	09/08	UJ		4
							~~TH-228~~	~~4.1 +- 9.5~~	~~E-02~~	~~09/08~~			4
							TH-234	L.T. 2.	E 00	09/08	UJ		4
							~~TH-234~~	~~1.4 +- 0.9~~	~~E-00~~	~~09/08~~			4
							TOTAL-U	L.T. 2.	E 00	09/08	UJ		4
							~~TOTAL-U~~	~~1.41 +- 0.89~~	~~E-00~~	~~09/08~~			4
25358	9309L783-004	808YK2	08/20				SR-90	L.T. 1.	E-01	12/15	U		3
							~~SR-90~~	~~9.0 +- 8.45~~	~~E-02~~	~~12/15~~			3
							BE-7	L.T. 2.	E 00	09/08	UJ		4
							~~BE-7~~	~~1.3 +- 9.7~~	~~E-01~~	~~09/08~~			4
							K-40	L.T. 5.	E 00	09/08	UJ		4
							~~K-40~~	~~2.2 +- 2.1~~	~~E-00~~	~~09/08~~			4
							MN-54	L.T. 2.	E-01	09/08	UJ		4
							~~MN-54~~	~~2.3 +- 10.4~~	~~E-02~~	~~09/08~~			4
							CO-58	L.T. 2.	E-01	09/08	UJ		4
							~~CO-58~~	~~2.4 +- 11.3~~	~~E-02~~	~~09/08~~			4
							FE-59	L.T. 4.	E-01	09/08	UJ		4
							~~FE-59~~	~~1.8 +- 2.3~~	~~E-01~~	~~09/08~~			4
							CO-60	L.T. 2.	E-01	09/08	UJ		4

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Revised 1-5-94

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WHC-SD-EN-TI-249, Rev. 0

94/328L.0184

2-18-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25358	9309L783-004	B08YK2	08/20				~~CO-60~~	~~8.9 +- 9.6E-02~~		~~09/08~~			4
							ZN-65	L.T. 3. E-01		09/08	UJ		4
							~~ZN-65~~	~~9.5 +- 21.5E-02~~		~~09/08~~			4
							ZR-95	L.T. 2. E-01		09/08	UJ		4
							~~ZR-95~~	~~6.8 +- 11.9E-02~~		~~09/08~~			4
							RU-103	L.T. 2. E-01		09/08	UJ		4
							~~RU-103~~	~~1.3 +- 1.3E-01~~		~~09/08~~			4
							RU-106	L.T. 2. E 00		09/08	UJ		4
							~~RU-106~~	~~3.5 +- 9.5E-01~~		~~09/08~~			4
							I-131	L.T. 7. E-01		09/08	UJ		4
							~~I-131~~	~~2.6 +- 4.6E-01~~		~~09/08~~			4
							CS-134	L.T. 2. E-01		09/08	UJ		4
							~~CS-134~~	~~7.6 +- 11.1E-02~~		~~09/08~~			4
							CS-137	L.T. 2. E-01		09/08	UJ		4
							~~CS-137~~	~~4.7 +- 11.4E-02~~		~~09/08~~			4
							BA-140	L.T. 5. E-01		09/08	UJ		4
							~~BA-140~~	~~3.9 +- 27.3E-02~~		~~09/08~~			4
							CE-141	L.T. 2. E-01		09/08	UJ		4
							~~CE-141~~	~~1.3 +- 1.5E-01~~		~~09/08~~			4
							CE-144	L.T. 7. E-01		09/08	UJ		4
							~~CE-144~~	~~2.8 +- 4.6E-01~~		~~09/08~~			4
							EU-152	L.T. 5. E-01		09/08	UJ		4
							~~EU-152~~	~~2.8 +- 3.1E-01~~		~~09/08~~			4
							EU-154	L.T. 5. E-01		09/08	UJ		4
							~~EU-154~~	~~1.4 +- 3.0E-01~~		~~09/08~~			4
							EU-155	L.T. 4. E-01		09/08	UJ		4
							~~EU-155~~	~~1.1 +- 0.2E-00~~		~~09/08~~			4
							RA-226	L.T. 3. E 00		09/08	UJ		4
							~~RA-226~~	~~1.5 +- 1.5E-00~~		~~09/08~~			4
							TH-228	L.T. 3. E-01		09/08	UJ		4
							~~TH-228~~	~~1.0 +- 1.5E-01~~		~~09/08~~			4
							TH-234	L.T. 2. E 00		09/08	UJ		4

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017

9413231.0185

5/5 2-18-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3591	LL-1140-F4	09/08/93	10/11/93	7

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25358	9309L783-004	B08YK2	08/20				~~TH-234~~	~~4.5 +-13.5E-01~~		~~09/08~~			4
							TOTAL-U	L.T. 2. E 00		09/08	UJ		4
							~~TOTAL-U~~	~~4.50+-13.5E-01~~		~~09/08~~			4
25359	9309L783-005	B08YK3	08/20				~~SR-90~~	~~L.T. 1. E-01~~		~~12/15~~			3
							SR-90	1.3 +-1.02E-01		12/15			3
							BE-7	L.T. 1. E 00		09/13	UJ		4
							~~BE-7~~	~~4.6 +- 7.1E-01~~		~~09/13~~			4
							K-40	6.45+-1.10E 00		09/13	J		4
							~~K-40~~	~~L.T. 4. E 00~~		~~09/13~~			4
							MN-54	L.T. 1. E-01		09/13	UJ		4
							~~MN-54~~	~~4.0 +- 7.6E-02~~		~~09/13~~			4
							CO-58	L.T. 1. E-01		09/13	UJ		4
							~~CO-58~~	~~4.0 +- 8.8E-02~~		~~09/13~~			4
							FE-59	L.T. 3. E-01		09/13	UJ		4
							~~FE-59~~	~~1.3 +- 2.0E-01~~		~~09/13~~			4
							CO-60	L.T. 1. E-01		09/13	UJ		4
							~~CO-60~~	~~4.0 +-72.4E-03~~		~~09/13~~			4
							ZN-65	L.T. 3. E-01		09/13	UJ		4
							~~ZN-65~~	~~1.5 +- 1.6E-01~~		~~09/13~~			4
							ZR-95	L.T. 2. E-01		09/13	UJ		4
							~~ZR-95~~	~~4.6 +- 9.2E-02~~		~~09/13~~			4
							RU-103	L.T. 2. E-01		09/13	UJ		4
							~~RU-103~~	~~1.6 +-95.8E-03~~		~~09/13~~			4
							RU-106	L.T. 1. E 00		09/13	UJ		4
							~~RU-106~~	~~6.2 +-71.4E-02~~		~~09/13~~			4
							I-131	L.T. 8. E-01		09/13	UJ		4
							~~I-131~~	~~1.1 +- 4.8E-01~~		~~09/13~~			4
							CS-134	L.T. 1. E-01		09/13	UJ		4
							~~CS-134~~	~~9.7 +- 8.1E-02~~		~~09/13~~			4
							CS-137	L.T. 1. E-01		09/13	UJ		4
							~~CS-137~~	~~2.3 +- 7.9E-02~~		~~09/13~~			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25359	9309L783-005	B08YK3	08/20				BA-140	L.T. 4. E-01		09/13	UJ		4
							~~BA-140~~	~~7.7 +- 26.0E-02~~		~~09/13~~			4
							CE-141	L.T. 2. E-01		09/13	UJ		4
							~~CE-141~~	~~2.4 +- 11.3E-02~~		~~09/13~~			4
							CE-144	L.T. 5. E-01		09/13	UJ		4
							~~CE-144~~	~~3.3 +- 3.2E-01~~		~~09/13~~			4
							EU-152	L.T. 3. E-01		09/13	UJ		4
							~~EU-152~~	~~1.9 +- 2.0E-01~~		~~09/13~~			4
							EU-154	L.T. 4. E-01		09/13	UJ		4
							~~EU-154~~	~~4.8 +- 21.4E-02~~		~~09/13~~			4
							EU-155	L.T. 3. E-01		09/13	UJ		4
							~~EU-155~~	~~9.4 +- 1.6E-01~~		~~09/13~~			4
							RA-226	L.T. 2. E 00		09/13	UJ		4
							~~RA-226~~	~~1.2 +- 1.1E-00~~		~~09/13~~			4
							TH-228	L.T. 2. E-01		09/13	UJ		4
							~~TH-228~~	~~1.2 +- 1.0E-01~~		~~09/13~~			4
							TH-234	L.T. 2. E 00		09/13	UJ		4
							~~TH-234~~	~~8.3 +- 9.6E-01~~		~~09/13~~			4
							TOTAL-U	L.T. 2. E 00		09/13	UJ		4
							~~TOTAL-U~~	~~8.29+ 9.57E-01~~		~~09/13~~			4
25360	9309L783-006	B08YK4	08/20				SR-90	4.0 +-1.4 E-01		12/15			3
							~~SR-90~~	~~L.T. 1. E-01~~		~~12/15~~			3
							BE-7	L.T. 1. E 00		09/13	UJ		4
							~~BE-7~~	~~3.7 + 76.0E-02~~		~~09/13~~			4
							~~K-40~~	~~2.76+ 8.89E-00~~		~~09/13~~			4
							K-40	L.T. 3. E 00		09/13	UJ		4
							MN-54	L.T. 1. E-01		09/13	UJ		4
							~~MN-54~~	~~2.9 +- 7.7E-02~~		~~09/13~~			4
							CO-58	L.T. 1. E-01		09/13	UJ		4
							~~CO-58~~	~~6.4 +- 8.8E-02~~		~~09/13~~			4
							FE-59	L.T. 3. E-01		09/13	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25360	9309L783-006	B08YK4	08/20				~~FE-59~~	~~5.0 +- 192.E-03~~		~~09/13~~			4
							CO-60	L.T. 1. E-01		09/13	UJ		4
							~~CO-60~~	~~3.3 +- 7.1E-02~~		~~09/13~~			4
							ZN-65	L.T. 3. E-01		09/13	UJ		4
							~~ZN-65~~	~~1.5 +- 1.6E-01~~		~~09/13~~			4
							ZR-95	L.T. 2. E-01		09/13	UJ		4
							~~ZR-95~~	~~9.6 +- 9.0E-02~~		~~09/13~~			4
							RU-103	L.T. 2. E-01		09/13	UJ		4
							~~RU-103~~	~~6.6 +- 9.8E-02~~		~~09/13~~			4
							RU-106	L.T. 1. E 00		09/13	UJ		4
							~~RU-106~~	~~2.0 +- 7.2E-01~~		~~09/13~~			4
							I-131	L.T. 8. E-01		09/13	UJ		4
							~~I-131~~	~~5.3 +- 5.2E-01~~		~~09/13~~			4
							CS-134	L.T. 1. E-01		09/13	UJ		4
							~~CS-134~~	~~5.7 +- 8.4E-02~~		~~09/13~~			4
							CS-137	L.T. 1. E-01		09/13	UJ		4
							~~CS-137~~	~~6.1 +- 8.4E-02~~		~~09/13~~			4
							BA-140	L.T. 5. E-01		09/13	UJ		4
							~~BA-140~~	~~1.1 +- 28.2E-02~~		~~09/13~~			4
							CE-141	L.T. 2. E-01		09/13	UJ		4
							~~CE-141~~	~~1.2 +- 1.2E-01~~		~~09/13~~			4
							CE-144	L.T. 5. E-01		09/13	UJ		4
							~~CE-144~~	~~2.9 +- 3.3E-01~~		~~09/13~~			4
							EU-152	L.T. 3. E-01		09/13	UJ		4
							~~EU-152~~	~~1.8 +- 2.2E-01~~		~~09/13~~			4
							EU-154	L.T. 6. E-01		09/13	UJ		4
							~~EU-154~~	~~4.7 +- 3.1E-01~~		~~09/13~~			4
							EU-155	L.T. 3. E-01		09/13	UJ		4
							~~EU-155~~	~~1.7 +- 0.2E-00~~		~~09/13~~			4
							RA-226	L.T. 2. E 00		09/13	UJ		4
							~~RA-226~~	~~3.3 +- 1165E-03~~		~~09/13~~			4
							TH-228	L.T. 2. E-01		09/13	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25360	9309L783-006	B08YK4	08/20				~~TH-228~~	~~0.1 +- 11.1E-02~~		~~09/13~~			4
							TH-234	L.T. 2. E 00		09/13	UJ		4
							~~TH-234~~	~~1.4 +- 1.0E-00~~		~~09/13~~			4
							TOTAL-U	L.T. 2. E 00		09/13	UJ		4
							~~TOTAL-U~~	~~1.40+- 1.03E-00~~		~~09/13~~			4
25361	9309L783-007	B08YK5	08/20				SR-90	2.6 +-1.2 E-01		12/15			3
							~~SR-90~~	~~L.T. 1. E-01~~		~~12/15~~			3
							BE-7	L.T. 1. E 00		09/13	UJ		4
							~~BE-7~~	~~6.4 +- 6.4E-01~~		~~09/13~~			4
							K-40	5.34+-0.88E 00		09/13	J		4
							~~K-40~~	~~L.T. 3. E 00~~		~~09/13~~			4
							MN-54	L.T. 1. E-01		09/13	UJ		4
							~~MN-54~~	~~6.2 +- 6.6E-02~~		~~09/13~~			4
							CO-58	L.T. 1. E-01		09/13	UJ		4
							~~CO-58~~	~~3.2 +- 76.8E-03~~		~~09/13~~			4
							FE-59	L.T. 3. E-01		09/13	UJ		4
							~~FE-59~~	~~1.1 +- 1.7E-01~~		~~09/13~~			4
							CO-60	L.T. 1. E-01		09/13	UJ		4
							~~CO-60~~	~~4.9 +- 6.1E-02~~		~~09/13~~			4
							ZN-65	L.T. 2. E-01		09/13	UJ		4
							~~ZN-65~~	~~1.1 +- 1.4E-01~~		~~09/13~~			4
							ZR-95	L.T. 1. E-01		09/13	UJ		4
							~~ZR-95~~	~~2.2 +- 7.8E-02~~		~~09/13~~			4
							RU-103	L.T. 1. E-01		09/13	UJ		4
							~~RU-103~~	~~1.4 +- 8.5E-02~~		~~09/13~~			4
							RU-106	L.T. 1. E 00		09/13	UJ		4
							~~RU-106~~	~~0.0 +- 6.2E-01~~		~~09/13~~			4
							I-131	L.T. 7. E-01		09/13	UJ		4
							~~I-131~~	~~1.8 +- 4.4E-01~~		~~09/13~~			4
							CS-134	L.T. 1. E-01		09/13	UJ		4
							~~CS-134~~	~~4.1 +- 7.1E-02~~		~~09/13~~			4

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WHG-SD-EN-TI-249, Rev. 0

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25361	9309L783-007	B08YK5	08/20				CS-137	1.78+-0.81E-01		09/13	J		4
							~~CS-137~~	~~L.T. 1. E-01~~		~~09/13~~			4
							BA-140	L.T. 4. E-01		09/13	UJ		4
							~~BA-140~~	~~4.5 +-23.8E-02~~		~~09/13~~			4
							CE-141	L.T. 2. E-01		09/13	UJ		4
							~~CE-141~~	~~1.4 +- 1.8E-01~~		~~09/13~~			4
							CE-144	L.T. 5. E-01		09/13	UJ		4
							~~CE-144~~	~~6.9 +-27.2E-02~~		~~09/13~~			4
							EU-152	L.T. 3. E-01		09/13	UJ		4
							~~EU-152~~	~~1.9 +- 1.8E-01~~		~~09/13~~			4
							EU-154	L.T. 3. E-01		09/13	UJ		4
							~~EU-154~~	~~5.6 +-187.E-03~~		~~09/13~~			4
							EU-155	L.T. 2. E-01		09/13	UJ		4
							~~EU-155~~	~~1.2 +- 0.1E 00~~		~~09/13~~			4
							RA-226	L.T. 2. E 00		09/13	UJ		4
							~~RA-226~~	~~1.1 +- 1.0E 00~~		~~09/13~~			4
							TH-228	L.T. 2. E-01		09/13	UJ		4
							~~TH-228~~	~~3.2 +- 9.0E-02~~		~~09/13~~			4
							TH-234	L.T. 2. E 00		09/13	UJ		4
							~~TH-234~~	~~1.9 +- 0.9E 00~~		~~09/13~~			4
							TOTAL-U	L.T. 2. E 00		09/13	UJ		4
							~~TOTAL-U~~	~~1.88+-0.85E 00~~		~~09/13~~			4
25362	9309L783-008	B08YK6	08/20				SR-90	L.T. 4. E-01		12/18	U		3
							~~SR-90~~	~~3.6 +-25.0E-02~~		~~12/18~~			3
							BE-7	L.T. 1. E 00		09/22	UJ		4
							~~BE-7~~	~~3.5 +-66.6E-02~~		~~09/22~~			4
							~~K-40~~	~~2.73+-0.69E 00~~		~~09/22~~			4
							K-40	L.T. 3. E 00		09/22	UJ		4
							MN-54	L.T. 1. E-01		09/22	UJ		4
							~~MN-54~~	~~5.7 +- 6.5E-02~~		~~09/22~~			4
							CO-58	L.T. 1. E-01		09/22	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

PAGE 12

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25362	9309L783-008	808YK6	08/20				~~CO-58~~	~~4.4 +- 7.9E-02~~		~~09/22~~			4
							FE-59	L.T. 3. E-01		09/22	UJ		4
							~~FE-59~~	~~2.0 +-18.7E-02~~		~~09/22~~			4
							CO-60	L.T. 9. E-02		09/22	UJ		4
							~~CO-60~~	~~1.6 +- 5.7E-02~~		~~09/22~~			4
							ZN-65	L.T. 2. E-01		09/22	UJ		4
							~~ZN-65~~	~~1.8 +-13.5E-02~~		~~09/22~~			4
							ZR-95	L.T. 1. E-01		09/22	UJ		4
							~~ZR-95~~	~~6.0 +- 8.0E-02~~		~~09/22~~			4
							RU-103	L.T. 2. E-01		09/22	UJ		4
							~~RU-103~~	~~1.8 +- 9.5E-02~~		~~09/22~~			4
							RU-106	L.T. 1. E 00		09/22	UJ		4
							~~RU-106~~	~~1.1 +- 61.7E-02~~		~~09/22~~			4
							I-131	L.T. 1. E 00		09/22	UJ		4
							~~I-131~~	~~1.0 +- 9.0E-01~~		~~09/22~~			4
							CS-134	L.T. 1. E-01		09/22	UJ		4
							~~CS-134~~	~~2.9 +- 6.9E-02~~		~~09/22~~			4
							CS-137	1.23+-0.64E-01		09/22	J		4
							~~CS-137~~	~~L.T. 1. E-01~~		~~09/22~~			4
							BA-140	L.T. 6. E-01		09/22	UJ		4
							~~BA-140~~	~~0.0 +- 3.6E-01~~		~~09/22~~			4
							CE-141	L.T. 2. E-01		09/22	UJ		4
							~~CE-141~~	~~2.7 +-11.7E-02~~		~~09/22~~			4
							CE-144	L.T. 5. E-01		09/22	UJ		4
							~~CE-144~~	~~3.1 +- 279.E-03~~		~~09/22~~			4
							EU-152	L.T. 3. E-01		09/22	UJ		4
							~~EU-152~~	~~1.6 +- 1.7E-01~~		~~09/22~~			4
							EU-154	L.T. 3. E-01		09/22	UJ		4
							~~EU-154~~	~~4.1 +-18.1E-02~~		~~09/22~~			4
							EU-155	L.T. 2. E-01		09/22	UJ		4
							~~EU-155~~	~~8.7 +- 1.3E-01~~		~~09/22~~			4
							RA-226	L.T. 2. E 00		09/22	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25362	9309L783-008	B08YK6	08/20				~~RA-226~~	~~2.0 +- 0.9E-00~~		~~09/22~~			4
							TH-228	L.T. 2. E-01		09/22	UJ		4
							~~TH-228~~	~~1.7 +- 0.9E-01~~		~~09/22~~			4
							TH-234	L.T. 1. E 00		09/22	UJ		4
							~~TH-234~~	~~6.9 +- 8.0E-01~~		~~09/22~~			4
							~~TOTAL-U~~	~~6.90+- 8.04E-01~~		~~09/22~~			4
							TOTAL-U	L.T. 1. E 00		09/22	UJ		4
25363	9309L783-009	B08YK7	08/20				SR-90	5.9 +-2.4 E-01		12/16			3
							~~SR-90~~	~~L.T. 3. E-01~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/14	UJ		4
							~~BE-7~~	~~4.1 +- 7.9E-01~~		~~09/14~~			4
							K-40	L.T. 4. E 00		09/14	UJ		4
							~~K-40~~	~~4.7 +-16.5E-01~~		~~09/14~~			4
							MN-54	L.T. 1. E-01		09/14	UJ		4
							~~MN-54~~	~~2.6 +- 8.4E-02~~		~~09/14~~			4
							CO-58	L.T. 2. E-01		09/14	UJ		4
							~~CO-58~~	~~6.0 +-10.1E-02~~		~~09/14~~			4
							FE-59	L.T. 4. E-01		09/14	UJ		4
							~~FE-59~~	~~0.0 +- 2.2E-01~~		~~09/14~~			4
							CO-60	L.T. 1. E-01		09/14	UJ		4
							~~CO-60~~	~~2.5 +- 8.2E-02~~		~~09/14~~			4
							ZN-65	L.T. 3. E-01		09/14	UJ		4
							~~ZN-65~~	~~6.4 +- 16.8E-02~~		~~09/14~~			4
							ZR-95	L.T. 2. E-01		09/14	UJ		4
							~~ZR-95~~	~~9.0 +- 9.7E-02~~		~~09/14~~			4
							RU-103	L.T. 2. E-01		09/14	UJ		4
							~~RU-103~~	~~4.5 +-10.6E-02~~		~~09/14~~			4
							RU-106	L.T. 1. E 00		09/14	UJ		4
							~~RU-106~~	~~4.3 +- 77.0E-02~~		~~09/14~~			4
							I-131	L.T. 1. E 00		09/14	UJ		4
							~~I-131~~	~~1.9 +- 6.0E-01~~		~~09/14~~			4

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TELEDYNE ISOTOPES

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25363	9309L783-009	B08YK7	08/20				CS-134	L.T. 1. E-01		09/14	UJ		4
							~~CS-134~~	~~3.0 +- 8.8E-02~~		~~09/14~~			4
							CS-137	L.T. 1. E-01		09/14	UJ		4
							~~CS-137~~	~~4.6 +- 8.6E-02~~		~~09/14~~			4
							BA-140	L.T. 5. E-01		09/14	UJ		4
							~~BA-140~~	~~1.8 +- 3.1E-01~~		~~09/14~~			4
							CE-141	L.T. 2. E-01		09/14	UJ		4
							~~CE-141~~	~~7.2 +-13.0E-02~~		~~09/14~~			4
							CE-144	L.T. 6. E-01		09/14	UJ		4
							~~CE-144~~	~~8.3 +-36.1E-02~~		~~09/14~~			4
							EU-152	L.T. 4. E-01		09/14	UJ		4
							~~EU-152~~	~~3.2 +- 2.3E-01~~		~~09/14~~			4
							EU-154	L.T. 4. E-01		09/14	UJ		4
							~~EU-154~~	~~6.3 +-25.1E-02~~		~~09/14~~			4
							EU-155	L.T. 3. E-01		09/14	UJ		4
							~~EU-155~~	~~1.1 +- 0.2E 00~~		~~09/14~~			4
							RA-226	L.T. 2. E 00		09/14	UJ		4
							~~RA-226~~	~~6.0 +-12.0E-01~~		~~09/14~~			4
							TH-228	L.T. 2. E-01		09/14	UJ		4
							~~TH-228~~	~~1.7 +- 1.2E-01~~		~~09/14~~			4
							TH-234	L.T. 2. E 00		09/14	UJ		4
							~~TH-234~~	~~3.4 +-10.5E-01~~		~~09/14~~			4
							TOTAL-U	L.T. 2. E 00		09/14	UJ		4
							~~TOTAL-U~~	~~3.42+-10.5E-01~~		~~09/14~~			4
25364	9309L783-010	B08YK8	08/20				SR-90	5.5 +-1.7 E-01		12/16			3
							~~SR-90~~	~~L.T. 2. E-01~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/14	UJ		4
							~~BE-7~~	~~5.6 +-84.6E-02~~		~~09/14~~			4
							K-40	L.T. 3. E 00		09/14	UJ		4
							~~K-40~~	~~8.6 +-15.7E-01~~		~~09/14~~			4
							MN-54	L.T. 1. E-01		09/14	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25364	9309L763-010	B08YK8	08/20				~~MN-54~~	~~4.3 +- 8.3E-02~~		~~09/14~~			4
							CO-58	L.T. 2. E-01		09/14	UJ		4
							~~CO-58~~	~~8.4 +- 10.1E-02~~		~~09/14~~			4
							FE-59	L.T. 3. E-01		09/14	UJ		4
							~~FE-59~~	~~8.0 +- 20.5E-02~~		~~09/14~~			4
							CO-60	L.T. 1. E-01		09/14	UJ		4
							~~CO-60~~	~~5.5 +- 7.5E-02~~		~~09/14~~			4
							ZN-65	L.T. 3. E-01		09/14	UJ		4
							~~ZN-65~~	~~9.8 +- 16.9E-02~~		~~09/14~~			4
							ZR-95	L.T. 2. E-01		09/14	UJ		4
							~~ZR-95~~	~~1.0 +- 1.0E-01~~		~~09/14~~			4
							RU-103	L.T. 2. E-01		09/14	UJ		4
							~~RU-103~~	~~4.5 +- 11.2E-02~~		~~09/14~~			4
							RU-106	L.T. 1. E 00		09/14	UJ		4
							~~RU-106~~	~~3.1 +- 8.0E-01~~		~~09/14~~			4
							I-131	L.T. 1. E 00		09/14	UJ		4
							~~I-131~~	~~2.1 +- 6.2E-01~~		~~09/14~~			4
							CS-134	L.T. 1. E-01		09/14	UJ		4
							~~CS-134~~	~~5.1 +- 9.0E-02~~		~~09/14~~			4
							CS-137	L.T. 2. E-01		09/14	UJ		4
							~~CS-137~~	~~1.1 +- 0.9E-01~~		~~09/14~~			4
							BA-140	L.T. 6. E-01		09/14	UJ		4
							~~BA-140~~	~~1.4 +- 3.5E-01~~		~~09/14~~			4
							CE-141	L.T. 2. E-01		09/14	UJ		4
							~~CE-141~~	~~3.8 +- 14.1E-02~~		~~09/14~~			4
							CE-144	L.T. 6. E-01		09/14	UJ		4
							~~CE-144~~	~~1.7 +- 3.9E-01~~		~~09/14~~			4
							EU-152	L.T. 4. E-01		09/14	UJ		4
							~~EU-152~~	~~4.2 +- 2.5E-01~~		~~09/14~~			4
							EU-154	L.T. 7. E-01		09/14	UJ		4
							~~EU-154~~	~~3.8 +- 3.4E-01~~		~~09/14~~			4
							EU-155	L.T. 3. E-01		09/14	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 16
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25364	9309L783-010	B08YK8	08/20				~~CU-155~~	~~1.7 +- 0.2E-00~~		~~09/14~~			4
							RA-226	L.T. 2. E 00		09/14	UJ		4
							~~RA-226~~	~~1.7 +- 13.2E-01~~		~~09/14~~			4
							TH-228	L.T. 2. E-01		09/14	UJ		4
							~~TH-228~~	~~9.6 +- 12.4E-02~~		~~09/14~~			4
							TH-234	L.T. 2. E 00		09/14	UJ		4
							~~TH-234~~	~~2.4 +- 1.2E 00~~		~~09/14~~			4
							TOTAL-U	L.T. 2. E 00		09/14	UJ		4
							~~TOTAL-U~~	~~2.41+- 1.16E 00~~		~~09/14~~			4
25365	9309L783-011	B08YK9	08/20				SR-90	1.1 +- 0.2 E 00		12/16			3
							~~SR-90~~	~~L.T. 2. E-01~~		~~12/16~~			3
							BE-7	L.T. 2. E 00		09/14	UJ		4
							~~BE-7~~	~~3.0 +- 9.8E-01~~		~~09/14~~			4
							K-40	L.T. 4. E 00		09/14	UJ		4
							~~K-40~~	~~2.5 +- 2.0E 00~~		~~09/14~~			4
							MN-54	L.T. 2. E-01		09/14	UJ		4
							~~MN-54~~	~~4.0 +- 9.6E-02~~		~~09/14~~			4
							CO-58	L.T. 2. E-01		09/14	UJ		4
							~~CO-58~~	~~9.7 +- 11.7E-02~~		~~09/14~~			4
							FE-59	L.T. 4. E-01		09/14	UJ		4
							~~FE-59~~	~~1.4 +- 2.4E-01~~		~~09/14~~			4
							CO-60	L.T. 2. E-01		09/14	UJ		4
							~~CO-60~~	~~4.0 +- 9.3E-02~~		~~09/14~~			4
							ZN-65	L.T. 3. E-01		09/14	UJ		4
							~~ZN-65~~	~~6.3 +- 20.7E-02~~		~~09/14~~			4
							ZR-95	L.T. 2. E-01		09/14	UJ		4
							~~ZR-95~~	~~2.6 +- 11.6E-02~~		~~09/14~~			4
							RU-103	L.T. 2. E-01		09/14	UJ		4
							~~RU-103~~	~~7.1 +- 13.1E-02~~		~~09/14~~			4
							RU-106	L.T. 2. E 00		09/14	UJ		4
							~~RU-106~~	~~2.2 +- 9.2E-01~~		~~09/14~~			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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4-3591	LL-1140-F4	09/08/93	10/11/93	

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25365	9309L783-011	B08YK9	08/20				I-131	L.T. 1. E 00		09/14	UJ		4
							~~I-131~~	~~0.2 +- 7.2E-01~~		~~09/14~~			4
							CS-134	L.T. 2. E-01		09/14	UJ		4
							~~CS-134~~	~~2.2 +-10.4E-02~~		~~09/14~~			4
							CS-137	L.T. 2. E-01		09/14	UJ		4
							~~CS-137~~	~~1.9 +-10.2E-02~~		~~09/14~~			4
							BA-140	L.T. 5. E-01		09/14	UJ		4
							~~BA-140~~	~~0.0 +- 3.3E-01~~		~~09/14~~			4
							CE-141	L.T. 3. E-01		09/14	UJ		4
							~~CE-141~~	~~1.3 +-15.2E-02~~		~~09/14~~			4
							CE-144	L.T. 7. E-01		09/14	UJ		4
							~~CE-144~~	~~4.1 +- 4.3E-01~~		~~09/14~~			4
							EU-152	L.T. 5. E-01		09/14	UJ		4
							~~EU-152~~	~~2.4 +-28.1E-02~~		~~09/14~~			4
							EU-154	L.T. 4. E-01		09/14	UJ		4
							~~EU-154~~	~~1.2 +- 2.8E-01~~		~~09/14~~			4
							EU-155	L.T. 4. E-01		09/14	UJ		4
							~~EU-155~~	~~9.4 +- 2.1E-01~~		~~09/14~~			4
							RA-226	L.T. 2. E 00		09/14	UJ		4
							~~RA-226~~	~~1.3 +- 1.4E-00~~		~~09/14~~			4
							TH-228	L.T. 2. E-01		09/14	UJ		4
							~~TH-228~~	~~6.6 +-13.8E-02~~		~~09/14~~			4
							TH-234	L.T. 2. E 00		09/14	UJ		4
							~~TH-234~~	~~6.3 +-12.4E-01~~		~~09/14~~			4
							TOTAL-U	L.T. 2. E 00		09/14	UJ		4
							~~TOTAL-U~~	~~6.34+-12.4E-01~~		~~09/14~~			4
25366	9309L783-012	B08YL0	08/20				SR-90	L.T. 2. E-01		12/16	U		3
							~~SR-90~~	~~1.4 +-1.32E-01~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/14	UJ		4
							~~BE-7~~	~~5.1 +- 7.9E-01~~		~~09/14~~			4
							~~K-40~~	~~1.60+- 0.89E-00~~		~~09/14~~			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25366	9309L783-012	B08YL0	08/20				K-40	L.T. 4. E 00		09/14	UJ		4
							MN-54	L.T. 1. E-01		09/14	UJ		4
							~~MN-54~~	~~5.2 +- 8.3E-02~~		~~09/14~~			4
							CO-58	L.T. 2. E-01		09/14	UJ		4
							~~CO-58~~	~~8.5 +- 9.9E-02~~		~~09/14~~			4
							FE-59	L.T. 3. E-01		09/14	UJ		4
							~~FE-59~~	~~7.4 +- 21.3E-02~~		~~09/14~~			4
							CO-60	L.T. 1. E-01		09/14	UJ		4
							~~CO-60~~	~~2.1 +- 8.0E-02~~		~~09/14~~			4
							ZN-65	L.T. 3. E-01		09/14	UJ		4
							~~ZN-65~~	~~3.3 +- 15.9E-02~~		~~09/14~~			4
							ZR-95	L.T. 2. E-01		09/14	UJ		4
							~~ZR-95~~	~~6.2 +- 99.3E-03~~		~~09/14~~			4
							RU-103	L.T. 2. E-01		09/14	UJ		4
							~~RU-103~~	~~6.2 +- 10.9E-02~~		~~09/14~~			4
							RU-106	L.T. 1. E 00		09/14	UJ		4
							~~RU-106~~	~~1.4 +- 78.3E-02~~		~~09/14~~			4
							I-131	L.T. 1. E 00		09/14	UJ		4
							~~I-131~~	~~1.3 +- 6.0E-01~~		~~09/14~~			4
							CS-134	L.T. 1. E-01		09/14	UJ		4
							~~CS-134~~	~~9.1 +- 8.9E-02~~		~~09/14~~			4
							CS-137	L.T. 1. E-01		09/14	UJ		4
							~~CS-137~~	~~2.6 +- 8.6E-02~~		~~09/14~~			4
							BA-140	L.T. 4. E-01		09/14	UJ		4
							~~BA-140~~	~~3.6 +- 3.0E-01~~		~~09/14~~			4
							CE-141	L.T. 2. E-01		09/14	UJ		4
							~~CE-141~~	~~1.7 +- 1.3E-01~~		~~09/14~~			4
							CE-144	L.T. 6. E-01		09/14	UJ		4
							~~CE-144~~	~~1.0 +- 3.6E-01~~		~~09/14~~			4
							EU-152	L.T. 4. E-01		09/14	UJ		4
							~~EU-152~~	~~1.4 +- 2.3E-01~~		~~09/14~~			4
							EU-154	L.T. 4. E-01		09/14	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25366	9309L783-012	B08YL0	08/20				~~EU-154~~	~~7.4 +- 238.E-03~~		~~09/14~~			4
							EU-155	L.T. 3. E-01		09/14	UJ		4
							~~EU-155~~	~~1.5 +- 9.2E-00~~		~~09/14~~			4
							RA-226	L.T. 2. E 00		09/14	UJ		4
							~~RA-226~~	~~1.3 +- 1.3E-00~~		~~09/14~~			4
							TH-228	L.T. 2. E-01		09/14	UJ		4
							~~TH-228~~	~~7.8 +- 11.6E-02~~		~~09/14~~			4
							TH-234	L.T. 2. E 00		09/14	UJ		4
							~~TH-234~~	~~2.2 +- 1.1E-00~~		~~09/14~~			4
							TOTAL-U	L.T. 2. E 00		09/14	UJ		4
							~~TOTAL-U~~	~~2.25+- 1.08E-00~~		~~09/14~~			4
25367	9309L783-013	B08YL1	08/24				SR-90	L.T. 1. E-01		12/16	U		3
							~~SR-90~~	~~5.5 +- 6.65E-02~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/15	UJ		4
							~~BE-7~~	~~3.2 +- 7.05E-01~~		~~09/15~~			4
							K-40	L.T. 3. E 00		09/15	UJ		4
							~~K-40~~	~~3.5 +- 1.5E-00~~		~~09/15~~			4
							MN-54	L.T. 1. E-01		09/15	UJ		4
							~~MN-54~~	~~1.9 +- 7.2E-02~~		~~09/15~~			4
							CO-58	L.T. 1. E-01		09/15	UJ		4
							~~CO-58~~	~~4.4 +- 8.3E-02~~		~~09/15~~			4
							FE-59	L.T. 3. E-01		09/15	UJ		4
							~~FE-59~~	~~5.4 +- 16.9E-02~~		~~09/15~~			4
							CO-60	L.T. 1. E-01		09/15	UJ		4
							~~CO-60~~	~~2.3 +- 6.8E-02~~		~~09/15~~			4
							ZN-65	L.T. 2. E-01		09/15	UJ		4
							~~ZN-65~~	~~1.0 +- 14.5E-02~~		~~09/15~~			4
							ZR-95	L.T. 1. E-01		09/15	UJ		4
							~~ZR-95~~	~~3.4 +- 8.4E-02~~		~~09/15~~			4
							RU-103	L.T. 1. E-01		09/15	UJ		4
							~~RU-103~~	~~6.6 +- 9.0E-02~~		~~09/15~~			4

Verified 2-4-94

Revised 4-9-94

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D-81

WHC-SD-EN-TI-249, Rev. 0

9413281.0198

2-18-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 20
4-3591	LL-1140-F4	09/08/93	10/11/93	

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25367	9309L783-013	B08YL1	08/24				RU-106	L.T. 1. E 00		09/15	UJ		4
							~~RU-106~~	~~3.3 +- 6.7E-01~~		~~09/15~~			4
							I-131	L.T. 7. E-01		09/15	UJ		4
							~~I-131~~	~~4.8 +- 42.9E-02~~		~~09/15~~			4
							CS-134	L.T. 1. E-01		09/15	UJ		4
							~~CS-134~~	~~4.3 +- 79.8E-03~~		~~09/15~~			4
							CS-137	L.T. 1. E-01		09/15	UJ		4
							~~CS-137~~	~~1.3 +- 0.8E-01~~		~~09/15~~			4
							BA-140	L.T. 3. E-01		09/15	UJ		4
							~~BA-140~~	~~0.0 +- 2.1E-01~~		~~09/15~~			4
							CE-141	L.T. 2. E-01		09/15	UJ		4
							~~CE-141~~	~~5.7 +- 10.9E-02~~		~~09/15~~			4
							CE-144	L.T. 5. E-01		09/15	UJ		4
							~~CE-144~~	~~5.7 +- 31.4E-02~~		~~09/15~~			4
							EU-152	L.T. 3. E-01		09/15	UJ		4
							~~EU-152~~	~~1.8 +- 2.1E-01~~		~~09/15~~			4
							EU-154	L.T. 3. E-01		09/15	UJ		4
							~~EU-154~~	~~1.6 +- 2.0E-01~~		~~09/15~~			4
							EU-155	L.T. 3. E-01		09/15	UJ		4
							~~EU-155~~	~~8.2 +- 1.5E-01~~		~~09/15~~			4
							RA-226	L.T. 2. E 00		09/15	UJ		4
							~~RA-226~~	~~9.2 +- 105.E-02~~		~~09/15~~			4
							TH-228	L.T. 2. E-01		09/15	UJ		4
							~~TH-228~~	~~7.9 +- 102.E-03~~		~~09/15~~			4
							TH-234	L.T. 2. E 00		09/15	UJ		4
							~~TH-234~~	~~2.2 +- 9.2E-01~~		~~09/15~~			4
							TOTAL-U	L.T. 2. E 00		09/15	UJ		4
							~~TOTAL-U~~	~~2.15+- 9.17E-01~~		~~09/15~~			4

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WHC-SD-EN-TI-249, Rev. 0

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2-10-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 21
4-3591	LL-1140-F4	09/08/93	10/11/93	

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25368	9309L783-014	B08YL2	08/24				SR-90	L.T. 1. E-01		12/16	U		3
							~~SR-90~~	~~0.0 +- 9.1E-02~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/15	UJ		4
							~~BE-7~~	~~2.5 +- 7.4E-01~~		~~09/15~~			4
							~~K-40~~	~~2.20 +- 0.78E 00~~		~~09/15~~			4
							K-40	L.T. 3. E 00		09/15	UJ		4
							MN-54	L.T. 1. E-01		09/15	UJ		4
							~~MN-54~~	~~5.4 +- 7.8E-02~~		~~09/15~~			4
							CO-58	L.T. 1. E-01		09/15	UJ		4
							~~CO-58~~	~~3.2 +- 9.0E-02~~		~~09/15~~			4
							FE-59	L.T. 3. E-01		09/15	UJ		4
							~~FE-59~~	~~1.5 +- 1.9E-01~~		~~09/15~~			4
							CO-60	L.T. 1. E-01		09/15	UJ		4
							~~CO-60~~	~~7.5 +- 7.2E-02~~		~~09/15~~			4
							ZN-65	L.T. 3. E-01		09/15	UJ		4
							~~ZN-65~~	~~8.3 +- 164.E-03~~		~~09/15~~			4
							ZR-95	L.T. 2. E-01		09/15	UJ		4
							~~ZR-95~~	~~2.5 +- 9.1E-02~~		~~09/15~~			4
							RU-103	L.T. 2. E-01		09/15	UJ		4
							~~RU-103~~	~~4.8 +- 101.E-03~~		~~09/15~~			4
							RU-106	L.T. 1. E 00		09/15	UJ		4
							~~RU-106~~	~~4.6 +- 7.3E-01~~		~~09/15~~			4
							I-131	L.T. 7. E-01		09/15	UJ		4
							~~I-131~~	~~7.9 +- 43.6E-02~~		~~09/15~~			4
							CS-134	L.T. 1. E-01		09/15	UJ		4
							~~CS-134~~	~~1.9 +- 8.8E-02~~		~~09/15~~			4
							~~CS-137~~	~~L.T. 1. E-01~~		~~09/15~~			4
							CS-137	1.1 +- 0.8E-01		09/15	J		4
							BA-140	L.T. 4. E-01		09/15	UJ		4
							~~BA-140~~	~~3.8 +- 25.3E-02~~		~~09/15~~			4
							CE-141	L.T. 2. E-01		09/15	UJ		4
							~~CE-141~~	~~5.1 +- 120.E-03~~		~~09/15~~			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25368	9309L783-014	B08YL2	08/24				CE-144	L.T. 6. E-01		09/15	UJ		4
							~~CE-144~~	~~7.3 +- 349.E-03~~		~~09/15~~			4
							EU-152	L.T. 3. E-01		09/15	UJ		4
							~~EU-152~~	~~5.7 +- 2.3E-01~~		~~09/15~~			4
							EU-154	L.T. 6. E-01		09/15	UJ		4
							~~EU-154~~	~~4.3 +- 3.1E-01~~		~~09/15~~			4
							EU-155	L.T. 3. E-01		09/15	UJ		4
							~~EU-155~~	~~1.5 + 0.2E 00~~		~~09/15~~			4
							RA-226	L.T. 2. E 00		09/15	UJ		4
							~~RA-226~~	~~3.2 +-12.0E-01~~		~~09/15~~			4
							TH-228	L.T. 2. E-01		09/15	UJ		4
							~~TH-228~~	~~9.3 +-11.4E-02~~		~~09/15~~			4
							TH-234	L.T. 2. E 00		09/15	UJ		4
							~~TH-234~~	~~1.2 + 1.1E 00~~		~~09/15~~			4
							TOTAL-U	L.T. 2. E 00		09/15	UJ		4
							~~TOTAL-U~~	~~1.25+-1.09E 00~~		~~09/15~~			4
25369	9309L783-015	B08YL3	08/24				SR-90	1.6 +-0.2 E 00		12/16			3
							~~SR-90~~	~~L.T. 1. E-01~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/15	UJ		4
							~~BE-7~~	~~1.5 + 8.8E-01~~		~~09/15~~			4
							K-40	L.T. 4. E 00		09/15	UJ		4
							~~K-40~~	~~1.8 + 1.6E 00~~		~~09/15~~			4
							MN-54	L.T. 1. E-01		09/15	UJ		4
							~~MN-54~~	~~7.1 +- 7.7E-02~~		~~09/15~~			4
							CO-58	L.T. 1. E-01		09/15	UJ		4
							~~CO-58~~	~~7.0 + 8.9E-02~~		~~09/15~~			4
							FE-59	L.T. 3. E-01		09/15	UJ		4
							~~FE-59~~	~~1.0 + 1.9E-01~~		~~09/15~~			4
							CO-60	L.T. 1. E-01		09/15	UJ		4
							~~CO-60~~	~~7.1 +-71.9E-03~~		~~09/15~~			4
							ZN-65	L.T. 3. E-01		09/15	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

PAGE 23

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25369	9309L783-015	B08YL3	08/24				~~ZN-65~~	~~1.2 +- 1.6E-01~~		~~09/15~~			4
							ZR-95	L.T. 2. E-01		09/15	UJ		4
							~~ZR-95~~	~~6.2 +- 9.0E-02~~		~~09/15~~			4
							RU-103	L.T. 2. E-01		09/15	UJ		4
							~~RU-103~~	~~1.1 +-10.3E-02~~		~~09/15~~			4
							RU-106	L.T. 1. E 00		09/15	UJ		4
							~~RU-106~~	~~1.3 +-75.7E-02~~		~~09/15~~			4
							I-131	L.T. 8. E-01		09/15	UJ		4
							~~I-131~~	~~1.4 +- 4.9E-01~~		~~09/15~~			4
							CS-134	L.T. 1. E-01		09/15	UJ		4
							~~CS-134~~	~~1.4 +- 8.2E-02~~		~~09/15~~			4
							CS-137	1.04+-0.10E 01		09/15	J		4
							~~CS-137~~	~~L.T. 6. E-01~~		~~09/15~~			4
							BA-140	L.T. 4. E-01		09/15	UJ		4
							~~BA-140~~	~~1.1 +- 2.3E-01~~		~~09/15~~			4
							CE-141	L.T. 2. E-01		09/15	UJ		4
							~~CE-141~~	~~2.4 +- 1.2E-01~~		~~09/15~~			4
							CE-144	L.T. 6. E-01		09/15	UJ		4
							~~CE-144~~	~~4.1 +- 3.5E-01~~		~~09/15~~			4
							EU-152	L.T. 4. E-01		09/15	UJ		4
							~~EU-152~~	~~1.7 +- 2.4E-01~~		~~09/15~~			4
							EU-154	L.T. 4. E-01		09/15	UJ		4
							~~EU-154~~	~~6.1 +-22.5E-02~~		~~09/15~~			4
							EU-155	L.T. 3. E-01		09/15	UJ		4
							~~EU-155~~	~~1.3 +- 0.2E-00~~		~~09/15~~			4
							RA-226	L.T. 2. E 00		09/15	UJ		4
							~~RA-226~~	~~8.7 +-12.7E-01~~		~~09/15~~			4
							TH-228	L.T. 2. E-01		09/15	UJ		4
							~~TH-228~~	~~7.1 +-11.5E-02~~		~~09/15~~			4
							TH-234	L.T. 2. E 00		09/15	UJ		4
							~~TH-234~~	~~1.9 +- 1.1E-00~~		~~09/15~~			4
							TOTAL-U	L.T. 2. E 00		09/15	UJ		4

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2-18-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 24
4-3591	LL-1140-F4	09/08/93	10/11/93	

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25369	9309L783-015	B08YL3	08/24				~~TOTAL U~~	~~1.92+-1.08E 00~~		~~09/15~~			4
25370	9309L783-016	B08YL4	08/24				SR-90	1.6 +-0.2 E 00		12/16			3
							~~SR-90~~	~~L.T. 1. E-01~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/15	UJ		4
							~~BE-7~~	~~4.3 +- 5.9E-01~~		~~09/15~~			4
							~~K-40~~	~~1.00+-8.65E 00~~		~~09/15~~			4
							K-40	L.T. 3. E 00		09/15	UJ		4
							MN-54	L.T. 1. E-01		09/15	UJ		4
							~~MN-54~~	~~5.4 +- 50.8E-03~~		~~09/15~~			4
							CO-58	L.T. 1. E-01		09/15	UJ		4
							~~CO-58~~	~~6.7 +- 6.9E-02~~		~~09/15~~			4
							FE-59	L.T. 3. E-01		09/15	UJ		4
							~~FE-59~~	~~1.1 +- 1.5E-01~~		~~09/15~~			4
							CO-60	L.T. 1. E-01		09/15	UJ		4
							~~CO-60~~	~~9.5 +- 57.7E-03~~		~~09/15~~			4
							ZN-65	L.T. 2. E-01		09/15	UJ		4
							~~ZN-65~~	~~1.0 +- 11.3E-02~~		~~09/15~~			4
							ZR-95	L.T. 1. E-01		09/15	UJ		4
							~~ZR-95~~	~~8.5 +- 7.0E-02~~		~~09/15~~			4
							RU-103	L.T. 1. E-01		09/15	UJ		4
							~~RU-103~~	~~0.0 +- 7.7E-02~~		~~09/15~~			4
							RU-106	L.T. 9. E-01		09/15	UJ		4
							~~RU-106~~	~~1.5 +- 5.6E-01~~		~~09/15~~			4
							I-131	L.T. 6. E-01		09/15	UJ		4
							~~I-131~~	~~1.5 +- 3.4E-01~~		~~09/15~~			4
							CS-134	L.T. 1. E-01		09/15	UJ		4
							~~CS-134~~	~~1.2 +- 6.3E-02~~		~~09/15~~			4
							CS-137	3.38+-0.34E 00		09/15	J		4
							~~CS-137~~	~~L.T. 3. E-01~~		~~09/15~~			4
							BA-140	L.T. 3. E-01		09/15	UJ		4
							~~BA-140~~	~~7.1 +- 18.6E-02~~		~~09/15~~			4

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2-18-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25370	9309L783-016	B08YL4	08/24				CE-141	L.T. 1. E-01		09/15	UJ		4
							~~CE-141~~	~~6.8 +- 90.0E-03~~		~~09/15~~			4
							CE-144	L.T. 4. E-01		09/15	UJ		4
							~~CE-144~~	~~1.1 +- 2.7E-01~~		~~09/15~~			4
							EU-152	L.T. 3. E-01		09/15	UJ		4
							~~EU-152~~	~~1.4 +- 1.7E-01~~		~~09/15~~			4
							EU-154	L.T. 3. E-01		09/15	UJ		4
							~~EU-154~~	~~0.0 +- 1.8E-01~~		~~09/15~~			4
							EU-155	L.T. 2. E-01		09/15	UJ		4
							~~EU-155~~	~~0.5 +- 1.2E-01~~		~~09/15~~			4
							RA-226	L.T. 1. E 00		09/15	UJ		4
							~~RA-226~~	~~1.9 +- 0.9E-00~~		~~09/15~~			4
							TH-228	L.T. 2. E-01		09/15	UJ		4
							~~TH-228~~	~~1.2 +- 0.8E-01~~		~~09/15~~			4
							TH-234	L.T. 1. E 00		09/15	UJ		4
							~~TH-234~~	~~4.1 +- 7.7E-01~~		~~09/15~~			4
							TOTAL-U	L.T. 1. E 00		09/15	UJ		4
							~~TOTAL-U~~	~~4.10+-7.66E-01~~		~~09/15~~			4
25371	9309L783-017	B08YL5	08/24				SR-90	2.3 +-1.2 E-01		12/16			3
							~~SR-90~~	~~L.T. 1. E-01~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/22	UJ		4
							~~BE-7~~	~~5.9 +- 7.5E-01~~		~~09/22~~			4
							~~K-40~~	~~1.26+-0.67E-00~~		~~09/22~~			4
							K-40	L.T. 3. E 00		09/22	UJ		4
							MN-54	L.T. 1. E-01		09/22	UJ		4
							~~MN-54~~	~~7.8 +- 7.3E-02~~		~~09/22~~			4
							CO-58	L.T. 1. E-01		09/22	UJ		4
							~~CO-58~~	~~0.0 +- 8.7E-02~~		~~09/22~~			4
							FE-59	L.T. 3. E-01		09/22	UJ		4
							~~FE-59~~	~~4.5 +-18.8E-02~~		~~09/22~~			4
							CO-60	L.T. 1. E-01		09/22	UJ		4

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2-18-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3591	LL-1140-F4	09/08/93	10/11/93	26

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25371	9309L783-017	B08YL5	08/24				~~CO-60~~	~~6.5 +- 67.3E-03~~		~~09/22~~			4
							ZN-65	L.T. 2. E-01		09/22	UJ		4
							~~ZN-65~~	~~1.2 +- 1.4E-01~~		~~09/22~~			4
							ZR-95	L.T. 2. E-01		09/22	UJ		4
							~~ZR-95~~	~~9.0 +- 9.1E-02~~		~~09/22~~			4
							RU-103	L.T. 2. E-01		09/22	UJ		4
							~~RU-103~~	~~8.9 +- 10.0E-02~~		~~09/22~~			4
							RU-106	L.T. 1. E 00		09/22	UJ		4
							~~RU-106~~	~~1.7 +- 6.9E-01~~		~~09/22~~			4
							I-131	L.T. 1. E 00		09/22	UJ		4
							~~I-131~~	~~1.2 +- 7.5E-01~~		~~09/22~~			4
							CS-134	L.T. 1. E-01		09/22	UJ		4
							~~CS-134~~	~~3.3 +- 8.1E-02~~		~~09/22~~			4
							CS-137	L.T. 1. E-01		09/22	UJ		4
							~~CS-137~~	~~9.4 +- 7.8E-02~~		~~09/22~~			4
							BA-140	L.T. 6. E-01		09/22	UJ		4
							~~BA-140~~	~~0.0 +- 3.5E-01~~		~~09/22~~			4
							CE-141	L.T. 2. E-01		09/22	UJ		4
							~~CE-141~~	~~8.2 +- 13.0E-02~~		~~09/22~~			4
							CE-144	L.T. 5. E-01		09/22	UJ		4
							~~CE-144~~	~~3.1 +- 33.0E-02~~		~~09/22~~			4
							EU-152	L.T. 3. E-01		09/22	UJ		4
							~~EU-152~~	~~6.0 +- 2.2E-01~~		~~09/22~~			4
							EU-154	L.T. 6. E-01		09/22	UJ		4
							~~EU-154~~	~~5.4 +- 2.8E-01~~		~~09/22~~			4
							EU-155	L.T. 3. E-01		09/22	UJ		4
							~~EU-155~~	~~1.5 +- 0.2E-00~~		~~09/22~~			4
							RA-226	L.T. 2. E 00		09/22	UJ		4
							~~RA-226~~	~~4.8 +- 11.2E-01~~		~~09/22~~			4
							~~TH-228~~	~~L.T. 2. E-01~~		~~09/22~~			4
							TH-228	2.1 +- 1.1E-01		09/22	J		4
							TH-234	L.T. 2. E 00		09/22	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 27
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25371	9309L783-017	B08YL5	08/24				~~TH-234~~	~~1.1 +- 1.0E-00~~		~~09/22~~			4
							~~TOTAL-U~~	~~1.09+-1.00E-00~~		~~09/22~~			4
							TOTAL-U	L.T. 2. E 00		09/22	UJ		4
25372	9309L783-018	B08YL6	08/24				SR-90	2.8 +-1.0 E-01		12/16			3
							~~SR-90~~	~~L.T. 1. E-01~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/16	UJ		4
							~~BE-7~~	~~4.3 +- 7.1E-01~~		~~09/16~~			4
							K-40	L.T. 3. E 00		09/16	UJ		4
							~~K-40~~	~~4.3 +-13.8E-01~~		~~09/16~~			4
							MN-54	L.T. 1. E-01		09/16	UJ		4
							~~MN-54~~	~~3.0 +- 7.4E-02~~		~~09/16~~			4
							CO-58	L.T. 1. E-01		09/16	UJ		4
							~~CO-58~~	~~1.9 +- 8.6E-02~~		~~09/16~~			4
							FE-59	L.T. 3. E-01		09/16	UJ		4
							~~FE-59~~	~~7.0 +-19.0E-02~~		~~09/16~~			4
							CO-60	L.T. 1. E-01		09/16	UJ		4
							~~CO-60~~	~~2.6 +- 6.8E-02~~		~~09/16~~			4
							ZN-65	L.T. 2. E-01		09/16	UJ		4
							~~ZN-65~~	~~4.7 +- 14.3E-02~~		~~09/16~~			4
							ZR-95	L.T. 1. E-01		09/16	UJ		4
							~~ZR-95~~	~~2.0 + 0.6E-02~~		~~09/16~~			4
							RU-103	L.T. 1. E-01		09/16	UJ		4
							~~RU-103~~	~~9.2 +-88.1E-03~~		~~09/16~~			4
							RU-106	L.T. 1. E 00		09/16	UJ		4
							~~RU-106~~	~~2.2 +- 6.8E-01~~		~~09/16~~			4
							I-131	L.T. 7. E-01		09/16	UJ		4
							~~I-131~~	~~2.3 +- 4.5E-01~~		~~09/16~~			4
							CS-134	L.T. 1. E-01		09/16	UJ		4
							~~CS-134~~	~~9.4 +- 7.8E-02~~		~~09/16~~			4
							CS-137	L.T. 1. E-01		09/16	UJ		4
							~~CS-137~~	~~8.9 + 7.7E-02~~		~~09/16~~			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3591	LL-1140-F4	09/08/93	10/11/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25372	9309L783-018	B08YL6	08/24				BA-140	L.T. 4. E-01		09/16	UJ		4
							~~BA-140~~	~~1.1 +- 2.4E-01~~		~~09/16~~			4
							CE-141	L.T. 2. E-01		09/16	UJ		4
							~~CE-141~~	~~1.2 +- 111.E-03~~		~~09/16~~			4
							CE-144	L.T. 5. E-01		09/16	UJ		4
							~~CE-144~~	~~1.1 +- 3.1E-01~~		~~09/16~~			4
							EU-152	L.T. 3. E-01		09/16	UJ		4
							~~EU-152~~	~~3.4 +- 2.0E-01~~		~~09/16~~			4
							EU-154	L.T. 6. E-01		09/16	UJ		4
							~~EU-154~~	~~2.6 +- 3.0E-01~~		~~09/16~~			4
							EU-155	L.T. 3. E-01		09/16	UJ		4
							~~EU-155~~	~~1.5 +- 6.2E-00~~		~~09/16~~			4
							RA-226	L.T. 2. E 00		09/16	UJ		4
							~~RA-226~~	~~1.1 +- 1.1E-00~~		~~09/16~~			4
							TH-228	L.T. 2. E-01		09/16	UJ		4
							~~TH-228~~	~~1.2 +- 10.4E-02~~		~~09/16~~			4
							TH-234	L.T. 2. E 00		09/16	UJ		4
							~~TH-234~~	~~1.6 +- 1.0E-00~~		~~09/16~~			4
							TOTAL-U	L.T. 2. E 00		09/16	UJ		4
							~~TOTAL-U~~	~~1.62+-0.98E-00~~		~~09/16~~			4
25373	9309L783-019	B08YL7	08/25				SR-90	1.6 +-0.1 E 01		12/16			3
							~~SR-90~~	~~L.T. 1. E-01~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/16	UJ		4
							~~BE-7~~	~~8.4 +-83.6E-02~~		~~09/16~~			4
							K-40	L.T. 4. E 00		09/16	UJ		4
							~~K-40~~	~~2.2 +- 1.7E-00~~		~~09/16~~			4
							MN-54	L.T. 1. E-01		09/16	UJ		4
							~~MN-54~~	~~0.0 +- 8.0E-02~~		~~09/16~~			4
							CO-58	L.T. 1. E-01		09/16	UJ		4
							~~CO-58~~	~~1.6 +- 0.9E-01~~		~~09/16~~			4
							FE-59	L.T. 3. E-01		09/16	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25373	9309L783-019	B08YL7	08/25				~~FE-59~~	~~2.0 +- 2.0E-01~~		~~09/16~~			4
							CO-60	L.T. 1. E-01		09/16	UJ		4
							~~CO-60~~	~~8.9 +- 78.9E-03~~		~~09/16~~			4
							ZN-65	L.T. 3. E-01		09/16	UJ		4
							~~ZN-65~~	~~4.0 +- 16.8E-02~~		~~09/16~~			4
							ZR-95	L.T. 2. E-01		09/16	UJ		4
							~~ZR-95~~	~~5.1 +- 9.4E-02~~		~~09/16~~			4
							RU-103	L.T. 2. E-01		09/16	UJ		4
							~~RU-103~~	~~4.9 +- 110.E-03~~		~~09/16~~			4
							RU-106	L.T. 1. E 00		09/16	UJ		4
							~~RU-106~~	~~1.5 +- 7.6E-01~~		~~09/16~~			4
							I-131	L.T. 9. E-01		09/16	UJ		4
							~~I-131~~	~~3.0 +- 5.3E-01~~		~~09/16~~			4
							CS-134	L.T. 1. E-01		09/16	UJ		4
							~~CS-134~~	~~2.1 +- 8.6E-02~~		~~09/16~~			4
							CS-137	~~2.56+-0.26E-00~~	2.56 ± 0.15 E 00	09/16	J		4
							~~CS-137~~	~~L.T. 3. E-01~~		~~09/16~~			4
							BA-140	L.T. 4. E-01		09/16	UJ		4
							~~BA-140~~	~~5.7 +- 26.9E-02~~		~~09/16~~			4
							CE-141	L.T. 2. E-01		09/16	UJ		4
							~~CE-141~~	~~2.7 +- 12.9E-02~~		~~09/16~~			4
							CE-144	L.T. 6. E-01		09/16	UJ		4
							~~CE-144~~	~~4.4 +- 36.5E-02~~		~~09/16~~			4
							EU-152	L.T. 4. E-01		09/16	UJ		4
							~~EU-152~~	~~2.9 +- 2.4E-01~~		~~09/16~~			4
							EU-154	L.T. 4. E-01		09/16	UJ		4
							~~EU-154~~	~~7.6 +- 22.7E-02~~		~~09/16~~			4
							EU-155	L.T. 3. E-01		09/16	UJ		4
							~~EU-155~~	~~1.1 +- 0.2E-00~~		~~09/16~~			4
							RA-226	L.T. 2. E 00		09/16	UJ		4
							~~RA-226~~	~~4.6 +- 12.3E-01~~		~~09/16~~			4
							TH-228	L.T. 2. E-01		09/16	UJ		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 30
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25373	9309L783-019	B08YL7	08/25				~~TH-228~~	~~1.1 +- 1.2E-01~~		~~09/16~~			4
							TH-234	L.T. 2. E 00		09/16	UJ		4
							~~TH-234~~	~~6.8 +- 10.8E-01~~		~~09/16~~			4
							TOTAL-U	L.T. 2. E 00		09/16	UJ		4
							~~TOTAL-U~~	~~6.76+- 10.8E-01~~		~~09/16~~			4
25374	9309L783-020	B08YL8	08/25				SR-90	L.T. 1. E-01		12/16	U		3
							~~SR-90~~	~~9.2 +- 8.63E-02~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/16	UJ		4
							~~BE-7~~	~~3.5 +- 7.2E-01~~		~~09/16~~			4
							~~K-40~~	~~2.284- 0.83E-00~~		~~09/16~~			4
							K-40	L.T. 3. E 00		09/16	UJ		4
							MN-54	L.T. 1. E-01		09/16	UJ		4
							~~MN-54~~	~~8.4 +- 7.2E-02~~		~~09/16~~			4
							CO-58	L.T. 1. E-01		09/16	UJ		4
							~~CO-58~~	~~5.6 +- 8.8E-02~~		~~09/16~~			4
							FE-59	L.T. 3. E-01		09/16	UJ		4
							~~FE-59~~	~~1.9 +-18.6E-02~~		~~09/16~~			4
							CO-60	L.T. 1. E-01		09/16	UJ		4
							~~CO-60~~	~~2.5 +- 7.0E-02~~		~~09/16~~			4
							ZN-65	L.T. 2. E-01		09/16	UJ		4
							~~ZN-65~~	~~6.4 +- 14.8E-02~~		~~09/16~~			4
							~~ZR-95~~	~~L.T. 1. E-01~~		~~09/16~~			4
							ZR-95	1.1 +- 0.9E-01		09/16	J		4
							RU-103	L.T. 2. E-01		09/16	UJ		4
							~~RU-103~~	~~3.5 +- 9.6E-02~~		~~09/16~~			4
							RU-106	L.T. 1. E 00		09/16	UJ		4
							~~RU-106~~	~~1.3 +- 7.0E-01~~		~~09/16~~			4
							I-131	L.T. 8. E-01		09/16	UJ		4
							~~I-131~~	~~0.0 +- 4.6E-01~~		~~09/16~~			4
							CS-134	L.T. 1. E-01		09/16	UJ		4
							~~CS-134~~	~~1.5 +- 7.8E-02~~		~~09/16~~			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 31
4-3591	LL-1140-F4	09/08/93	10/11/93	

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
25374	9309L783-020	608YL8	08/25				CS-137	1.14+-0.12E 00		09/16	J		4
							~~CS-137~~	~~L.T. 2. E-01~~		~~09/16~~			4
							BA-140	L.T. 4. E-01		09/16	UJ		4
							~~BA-140~~	~~4.9 +-24.6E-02~~		~~09/16~~			4
							CE-141	L.T. 2. E-01		09/16	UJ		4
							~~CE-141~~	~~1.4 +- 1.1E-01~~		~~09/16~~			4
							CE-144	L.T. 5. E-01		09/16	UJ		4
							~~CE-144~~	~~3.5 +- 3.1E-01~~		~~09/16~~			4
							EU-152	L.T. 3. E-01		09/16	UJ		4
							~~EU-152~~	~~3.0 +- 2.1E-01~~		~~09/16~~			4
							EU-154	L.T. 4. E-01		09/16	UJ		4
							~~EU-154~~	~~1.2 +- 2.2E-01~~		~~09/16~~			4
							EU-155	L.T. 3. E-01		09/16	UJ		4
							~~EU-155~~	~~1.2 +- 0.2E 00~~		~~09/16~~			4
							RA-226	L.T. 2. E 00		09/16	UJ		4
							~~RA-226~~	~~1.0 +-11.4E-01~~		~~09/16~~			4
							TH-228	L.T. 2. E-01		09/16	UJ		4
							~~TH-228~~	~~4.2 +-10.6E-02~~		~~09/16~~			4
							TH-234	L.T. 2. E 00		09/16	UJ		4
							~~TH-234~~	~~1.7 +- 1.0E 00~~		~~09/16~~			4
							TOTAL-U	L.T. 2. E 00		09/16	UJ		4
							~~TOTAL-U~~	~~1.72+- 0.98E 00~~		~~09/16~~			4
25375	9309L783-001DUP608YJ9		08/20				SR-90	L.T. 2. E-01		12/16	U		3
							~~SR-90~~	~~9.9 +-12.8E-02~~		~~12/16~~			3
							BE-7	L.T. 1. E 00		09/20			4
							BE-7 -	1.4 +-82.2E-02		09/20			4
							K-40	4.97+-0.96E 00		09/20			4
							K-40	L.T. 4. E 00		09/20			4
							MN-54	L.T. 1. E-01		09/20			4
							MN-54	3.3 +-76.2E-03		09/20			4
							CO-58	L.T. 2. E-01		09/20			4

Verified 2-7-94

Revised 4-9-94

042

SDG 27601-WES-1328 9413281.0210

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/29/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-4025	LL-1140-F4	09/28/93	10/31/93	1

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

SOLIDS

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27601	9309L039-001	B08YL9	09/17				SR-90	1.7 +-0.5 E-01		10/23		7.88 *	3
							TC-99	L.T. 8. E-01		10/19			3
							~~TC-99~~	~~1.4 +- 4.55E-01~~		~~10/19~~			3
							~~SR-90~~	~~L.T. 5. E-02~~		~~10/23~~			3
							BE-7	L.T. 1. E 00		10/08			4
							~~BE-7~~	~~3.3 +- 8.1E-01~~		~~10/08~~			4
							K-40	1.85+-0.18E 01		10/08			4
							~~K-40~~	~~L.T. 5. E 00~~		~~10/08~~			4
							MN-54	L.T. 1. E-01		10/08			4
							~~MN-54~~	~~2.4 +- 8.8E-02~~		~~10/08~~			4
							CO-58	L.T. 2. E-01		10/08			4
							~~CO-58~~	~~6.9 +- 9.6E-02~~		~~10/08~~			4
							FE-59	L.T. 4. E-01		10/08			4
							~~FE-59~~	~~4.7 +- 21.8E-02~~		~~10/08~~			4
							CO-60	L.T. 1. E-01		10/08			4
							~~CO-60~~	~~7.5 +- 82.9E-03~~		~~10/08~~			4
							ZN-65	L.T. 3. E-01		10/08			4
							~~ZN-65~~	~~4.0 +- 19.2E-02~~		~~10/08~~			4
							ZR-95	L.T. 2. E-01		10/08			4
							~~ZR-95~~	~~1.2 +- 1.0E-01~~		~~10/08~~			4
							RU-103	L.T. 2. E-01		10/08			4
							~~RU-103~~	~~1.4 +- 10.8E-02~~		~~10/08~~			4
							RU-106	L.T. 1. E 00		10/08			4
							~~RU-106~~	~~4.1 +- 83.3E-02~~		~~10/08~~			4
							I-131	L.T. 8. E-01		10/08			4
							~~I-131~~	~~7.1 +- 47.3E-02~~		~~10/08~~			4
							CS-134	L.T. 2. E-01		10/08			4
							~~CS-134~~	~~6.9 +- 9.5E-02~~		~~10/08~~			4
							CS-137	L.T. 1. E-01		10/08			4
							~~CS-137~~	~~1.5 +- 9.1E-02~~		~~10/08~~			4
							BA-140	L.T. 4. E-01		10/08			4
							~~BA-140~~	~~2.9 +- 24.0E-02~~		~~10/08~~			4

Revised 4/11/94

Verified. 2/10/94

4/11/94

WHC-SD-EN-TI-249, Rev. 0

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 10/29/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-4025	LL-1140-F4	09/28/93	10/31/93	2

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27601	9309L039-001	B08YL9	09/17				CE-141	L.T. 2. E-01		10/08			4
							~~CE-141~~	~~2.7 +- 14.4E-02~~		~~10/08~~			4
							CE-144	L.T. 7. E-01		10/08			4
							~~CE-144~~	~~2.6 +- 4.3E-01~~		~~10/08~~			4
							EU-152	L.T. 4. E-01		10/08			4
							~~EU-152~~	~~5.0 +- 2.6E-01~~		~~10/08~~			4
							EU-154	L.T. 4. E-01		10/08			4
							~~EU-154~~	~~1.1 +- 2.5E-01~~		~~10/08~~			4
							EU-155	L.T. 4. E-01		10/08			4
							~~EU-155~~	~~1.5 +- 0.2E-00~~		~~10/08~~			4
							RA-226	L.T. 2. E 00		10/08			4
							~~RA-226~~	~~4.6 +- 13.9E-01~~		~~10/08~~			4
							TH-228	L.T. 2. E-01		10/08			4
							~~TH-228~~	~~1.6 +- 1.3E-01~~		~~10/08~~			4
							TH-234	L.T. 2. E 00		10/08			4
							~~TH-234~~	~~2.3 +- 1.3E-00~~		~~10/08~~			4
							TOTAL-U	L.T. 2. E 00		10/08			4
							~~TOTAL-U~~	~~2.27+- 1.33E-00~~		~~10/08~~			4
27602	9309L039-001DUP	B08YL9	09/17				SR-90	1.4 +-0.5 E-01		10/23		8.54 *	3
							TC-99	L.T. 5. E-01		10/19			3
							~~TC-99~~	~~2.2 +- 3.60E-01~~		~~10/19~~			3
							~~SR-90~~	~~L.T. 5. E 02~~		~~10/23~~			3
							BE-7	L.T. 1. E 00		10/09			4
							~~BE-7~~	~~6.3 +- 8.6E-01~~		~~10/09~~			4
							K-40	1.61+-0.16E 01		10/09			4
							~~K-40~~	~~L.T. 5. E-00~~		~~10/09~~			4
							MN-54	L.T. 1. E-01		10/09			4
							~~MN-54~~	~~3.1 +- 8.6E-02~~		~~10/09~~			4
							CO-58	L.T. 2. E-01		10/09			4
							~~CO-58~~	~~8.8 +-10.3E-02~~		~~10/09~~			4
							FE-59	L.T. 3. E-01		10/09			4

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verified 2/10/94

Revised 4/11/94

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4/11/94

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/03/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3865	LL-1140-F4	09/17/93	10/20/93	1

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26567	9309L887-001	B08YM4	09/07				SR-90	9.9 +-3.8	E-02	10/30			3
							~~SR-90~~	~~L.T. 4.~~	~~E-02~~	~~10/30~~			~~3~~
							BE-7	L.T. 3.	E-01	10/14	UJ		4
							~~BE-7~~	~~1.7 +-1.7~~	~~E-01~~	~~10/14~~			~~4~~
							K-40	1.66+-0.17	E 01	10/14	J		4
							~~K-40~~	~~L.T. 1.~~	~~E-00~~	~~10/14~~			~~4~~
							MN-54	L.T. 3.	E-02	10/14	UJ		4
							~~MN-54~~	~~9.7 +-15.3~~	~~E-03~~	~~10/14~~			~~4~~
							CO-58	L.T. 3.	E-02	10/14	UJ		4
							~~CO-58~~	~~2.4 +-18.1~~	~~E-03~~	~~10/14~~			~~4~~
							FE-59	L.T. 8.	E-02	10/14	UJ		4
							~~FE-59~~	~~2.7 +-51.2~~	~~E-03~~	~~10/14~~			~~4~~
							CO-60	L.T. 2.	E-02	10/14	UJ		4
							~~CO-60~~	~~1.1 +-1.4~~	~~E-02~~	~~10/14~~			~~4~~
							ZN-65	L.T. 5.	E-02	10/14	UJ		4
							~~ZN-65~~	~~2.8 +-3.4~~	~~E-02~~	~~10/14~~			~~4~~
							ZR-95	L.T. 4.	E-02	10/14	UJ		4
							~~ZR-95~~	~~1.9 +-2.1~~	~~E-02~~	~~10/14~~			~~4~~
							RU-103	L.T. 4.	E-02	10/14	UJ		4
							~~RU-103~~	~~2.9 +-23.0~~	~~E-03~~	~~10/14~~			~~4~~
							RU-106	L.T. 2.	E-01	10/14	UJ		4
							~~RU-106~~	~~1.2 +-14.1~~	~~E-02~~	~~10/14~~			~~4~~
							I-131	L.T. 5.	E-01	10/14	UJ		4
							~~I-131~~	~~7.5 +-29.0~~	~~E-02~~	~~10/14~~			~~4~~
							CS-134	L.T. 3.	E-02	10/14	UJ		4
							~~CS-134~~	~~2.7 +-1.6~~	~~E-02~~	~~10/14~~			~~4~~
							CS-137	8.17+-1.77	E-02	10/14	J		4
							~~CS-137~~	~~L.T. 4.~~	~~E-02~~	~~10/14~~			~~4~~
							BA-140	L.T. 1.	E-01	10/14	UJ		4
							~~BA-140~~	~~4.6 +-85.9~~	~~E-03~~	~~10/14~~			~~4~~
							CE-141	L.T. 6.	E-02	10/14	UJ		4
							~~CE-141~~	~~1.4 +-3.7~~	~~E-02~~	~~10/14~~			~~4~~

Verified 2-3-94
Revised 4-8-94

WHC-SD-EN-TI-249, Rev. 0

9413281.0213

RE 2 8-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/03/93

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26567	9309L887-001	B08YM4	09/07				CE-144	L.T. 1. E-01		10/14	UJ		4
							~~CE-144~~	~~4.7 +-8.8 E-02~~		~~10/14~~			4
							EU-152	L.T. 7. E-02		10/14	UJ		4
							~~EU-152~~	~~4.4 +-0.5 E-01~~		~~10/14~~			4
							EU-154	L.T. 8. E-02		10/14	UJ		4
							~~EU-154~~	~~0.0 +-4.9 E-02~~		~~10/14~~			4
							EU-155	L.T. 8. E-02		10/14	UJ		4
							~~EU-155~~	~~5.6 +-47.5E-03~~		~~10/14~~			4
							RA-226	1.16+-0.27E 00		10/14	J		4
							~~RA-226~~	~~L.T. 5. E-01~~		~~10/14~~			4
							TH-228	7.31+-0.73E-01		10/14	J		4
							~~TH-228~~	~~L.T. 7. E-02~~		~~10/14~~			4
						Th-234	~~TH-224~~	L.T. 5. E-01		10/14	UJ		4
							~~TH-234~~	~~2.7 +-2.8 E-01~~		~~10/14~~			4
							TOTAL-U	2.65+-0.60E 00		10/14	J		4
							~~TOTAL-U~~	~~L.T. 5. E-01~~		~~10/14~~			4
26568	9309L887-002	B08YM5	09/07				SR-90	5.9 +-3.8 E-02		10/30			3
							~~SR-90~~	~~L.T. 5. E-02~~		~~10/30~~			3
							BE-7	L.T. 3. E-01		10/14	UJ		4
							~~BE-7~~	~~2.1 +-1.9 E-01~~		~~10/14~~			4
							K-40	1.73+-0.17E 01		10/14	J		4
							~~K-40~~	~~L.T. 2. E-00~~		~~10/14~~			4
							MN-54	L.T. 3. E-02		10/14	UJ		4
							~~MN-54~~	~~2.8 +-17.9E-03~~		~~10/14~~			4
							CO-58	L.T. 4. E-02		10/14	UJ		4
							~~CO-58~~	~~1.5 +-2.2 E-02~~		~~10/14~~			4
							FE-59	L.T. 9. E-02		10/14	UJ		4
							~~FE-59~~	~~2.3 +-5.5 E-02~~		~~10/14~~			4
							CO-60	L.T. 3. E-02		10/14	UJ		4
							~~CO-60~~	~~1.3 +-1.7 E-02~~		~~10/14~~			4
							ZN-65	L.T. 6. E-02		10/14	UJ		4

Verified RE 2-28-94
Revised RE 4-8-94

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2-28-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT DATE	MID-COUNT TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26568	9309L887-002	B08YM5	09/07				~~ZN-65~~	~~1.3 +-3.8 E-02~~		~~10/14~~			4
							ZR-95	L.T. 4. E-02		10/14	UJ		4
							~~ZR-95~~	~~1.1 +-2.4 E-02~~		~~10/14~~			4
							RU-103	L.T. 5. E-02		10/14	UJ		4
							~~RU-103~~	~~1.2 +-2.8 E-02~~		~~10/14~~			4
							RU-106	L.T. 3. E-01		10/14	UJ		4
							~~RU-106~~	~~8.7 +-16.0E-02~~		~~10/14~~			4
							I-131	L.T. 6. E-01		10/14	UJ		4
							~~I-131~~	~~9.5 +-34.9E-02~~		~~10/14~~			4
							~~CS-134~~	~~L.T. 3. E-02~~		~~10/14~~			4
							CS-134	3.4 +-2.0 E-02		10/14	J		4
							CS-137	9.47+-2.13E-02		10/14	J		4
							~~CS-137~~	~~L.T. 4. E-02~~		~~10/14~~			4
							BA-140	L.T. 2. E-01		10/14	UJ		4
							~~BA-140~~	~~5.5 +-10.1E-02~~		~~10/14~~			4
							CE-141	L.T. 7. E-02		10/14	UJ		4
							~~CE-141~~	~~1.1 +-4.3 E-02~~		~~10/14~~			4
							CE-144	L.T. 2. E-01		10/14	UJ		4
							~~CE-144~~	~~3.2 +-10.0E-02~~		~~10/14~~			4
							EU-152	L.T. 8. E-02		10/14	UJ		4
							~~EU-152~~	~~4.7 +-0.6 E-01~~		~~10/14~~			4
							EU-154	L.T. 1. E-01		10/14	UJ		4
							~~EU-154~~	~~9.4 +-6.2 E-02~~		~~10/14~~			4
							EU-155	L.T. 1. E-01		10/14	UJ		4
							~~EU-155~~	~~3.8 +-5.8 E-02~~		~~10/14~~			4
							RA-226	1.52+-0.30E 00		10/14	J		4
							~~RA-226~~	~~L.T. 6. E-01~~		~~10/14~~			4
							TH-228	7.34+-0.73E-01		10/14	J		4
							~~TH-228~~	~~L.T. 9. E-02~~		~~10/14~~			4
							TH-234	L.T. 6. E-01		10/14	UJ		4
							~~TH-234~~	~~3.5 +-3.5 E-01~~		~~10/14~~			4
							TOTAL-U	3.40+-0.73E 00		10/14	J		4

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Revised 4-8-94

9413281.0215

R 2-8-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/03/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3865	LL-1140-F4	09/17/93	10/20/93	4

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26568	9309L887-002	B08YM5	09/07				~~TOTAL U~~	~~L.T. 6. E-01~~		~~10/14~~			4
26569	9309L887-002DUPB08YM5		09/07				SR-90	L.T. 4. E-02		10/30	U		3
							~~SR-90~~	~~3.2 +-2.95E-02~~		~~10/30~~			3
							BE-7	L.T. 3. E-01		10/14	UJ		4
							~~BE-7~~	~~3.0 +-17.1E-02~~		~~10/14~~			4
							K-40	1.73+-0.17E 01		10/14	J		4
							~~K-40~~	~~L.T. 1. E-00~~		~~10/14~~			4
							MN-54	L.T. 3. E-02		10/14	UJ		4
							~~MN-54~~	~~1.1 +-1.6 E-02~~		~~10/14~~			4
							CO-58	L.T. 3. E-02		10/14	UJ		4
							~~CO-58~~	~~4.3 +-19.7E-03~~		~~10/14~~			4
							FE-59	L.T. 8. E-02		10/14	UJ		4
							~~FE-59~~	~~1.2 +-5.0 E-02~~		~~10/14~~			4
							CO-60	L.T. 2. E-02		10/14	UJ		4
							~~CO-60~~	~~4.6 +-14.6E-03~~		~~10/14~~			4
							ZN-65	L.T. 6. E-02		10/14	UJ		4
							~~ZN-65~~	~~2.8 +-35.7E-03~~		~~10/14~~			4
							ZR-95	L.T. 4. E-02		10/14	UJ		4
							~~ZR-95~~	~~2.2 +-2.2 E-02~~		~~10/14~~			4
							RU-103	L.T. 4. E-02		10/14	UJ		4
							~~RU-103~~	~~1.5 +-2.3 E-02~~		~~10/14~~			4
							RU-106	L.T. 2. E-01		10/14	UJ		4
							~~RU-106~~	~~1.0 +-1.4 E-01~~		~~10/14~~			4
							I-131	L.T. 5. E-01		10/14	UJ		4
							~~I-131~~	~~1.4 +-3.0 E-01~~		~~10/14~~			4
							~~CS-134~~	~~L.T. 3. E-02~~		~~10/14~~			4
							CS-134	3.8 +-1.8 E-02		10/14	J		4
							CS-137	8.32+-1.81E-02		10/14	J		4
							~~CS-137~~	~~L.T. 3. E-02~~		~~10/14~~			4
							BA-140	L.T. 1. E-01		10/14	UJ		4
							~~BA-140~~	~~3.2 +-9.3 E-02~~		~~10/14~~			4

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4-9-94

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/03/93

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4-3865	LL-1140-F4	09/17/93	10/20/93	5

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26569	9309L887-002DUPB08YM5		09/07				CE-141	L.T. 6. E-02		10/14	UJ		4
							~~CE-141~~	~~1.5 +- 3.8 E-02~~		~~10/14~~			4
							CE-144	L.T. 1. E-01		10/14	UJ		4
							~~CE-144~~	~~1.2 +- 0.9 E-01~~		~~10/14~~			4
							EU-152	L.T. 7. E-02		10/14	UJ		4
							~~EU-152~~	~~4.5 +- 0.6 E-01~~		~~10/14~~			4
							EU-154	L.T. 8. E-02		10/14	UJ		4
							~~EU-154~~	~~4.0 +- 5.1 E-02~~		~~10/14~~			4
							EU-155	L.T. 8. E-02		10/14	UJ		4
							~~EU-155~~	~~1.6 +- 4.9 E-02~~		~~10/14~~			4
							RA-226	1.03+-0.27E 00		10/14	J		4
							~~RA-226~~	~~L.T. 5. E-01~~		~~10/14~~			4
							TH-228	7.49+-0.75E-01		10/14	J		4
							~~TH-228~~	~~L.T. 8. E-02~~		~~10/14~~			4
							TH-234	L.T. 5. E-01		10/14	UJ		4
							~~TH-234~~	~~2.7 +- 3.0 E-01~~		~~10/14~~			4
							TOTAL-U	3.49+-0.65E 00		10/14	J		4
							~~TOTAL-U~~	~~L.T. 5. E-01~~		~~10/14~~			4

Verified 4-9-94

Added 4-9-94 (Revised)

012A

9413281.0217

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/14/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-4999	LL-1140-F4	11/16/93	12/19/93	1

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

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26567	9309L887-001	B08YM4	09/07				TC-99	L.T. 9. E-01		12/11	U		3
							~~TC-99~~	~~4.1 ± 5.09E-01~~		~~12/11~~			3
26568	9309L887-002	B08YM5	09/07				TC-99	L.T. 1. E 00		12/11	U		3
							~~TC-99~~	~~4.5 ± 7.10E-01~~		~~12/11~~			3
26569	9309L887-002DUP	B08YM5	09/07				TC-99	L.T. 1. E 00		12/11	U		3
							~~TC-99~~	~~2.5 ± 6.98E-01~~		~~12/11~~			3

Verified 3-1-94

D-101

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-013

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3751	LL-1140-F4	09/15/93	10/18/93	1

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26199	9309L887-003	B08YM6	09/08				SR-90	L.T. 1. E-01		12/17	U		3
							~~SR-90~~	~~0.0 +- 9.0 E-02~~		~~12/17~~			3
							BE-7	L.T. 1. E 00		09/20	UJ		4
							~~BE-7~~	~~3.9 +- 7.3E-01~~		~~09/20~~			4
							K-40	L.T. 4. E 00		09/20	UJ		4
							~~K-40~~	~~2.6 +- 1.7E 00~~		~~09/20~~			4
							MN-54	L.T. 1. E-01		09/20	UJ		4
							~~MN-54~~	~~4.7 +- 8.2E-02~~		~~09/20~~			4
							CO-58	L.T. 1. E-01		09/20	UJ		4
							~~CO-58~~	~~4.7 +- 8.6E-02~~		~~09/20~~			4
							FE-59	L.T. 3. E-01		09/20	UJ		4
							~~FE-59~~	~~1.2 +- 17.4E-02~~		~~09/20~~			4
							CO-60	L.T. 1. E-01		09/20	UJ		4
							~~CO-60~~	~~7.5 +- 7.9E-02~~		~~09/20~~			4
							ZN-65	L.T. 3. E-01		09/20	UJ		4
							~~ZN-65~~	~~1.7 +- 1.7E-01~~		~~09/20~~			4
							ZR-95	L.T. 2. E-01		09/20	UJ		4
							~~ZR-95~~	~~9.8 +- 8.8E-02~~		~~09/20~~			4
							RU-103	L.T. 1. E-01		09/20	UJ		4
							~~RU-103~~	~~8.2 +- 89.2E-03~~		~~09/20~~			4
							RU-106	L.T. 1. E 00		09/20	UJ		4
							~~RU-106~~	~~2.6 +- 7.7E-01~~		~~09/20~~			4
							I-131	L.T. 3. E-01		09/20	UJ		4
							~~I-131~~	~~8.0 +- 209.E-03~~		~~09/20~~			4
							CS-134	L.T. 1. E-01		09/20	UJ		4
							~~CS-134~~	~~6.7 +- 90.8E-03~~		~~09/20~~			4
							CS-137	L.T. 1. E-01		09/20	UJ		4
							~~CS-137~~	~~5.9 +- 8.8E-02~~		~~09/20~~			4
							BA-140	L.T. 2. E-01		09/20	UJ		4
							~~BA-140~~	~~1.1 +- 14.3E-02~~		~~09/20~~			4
							CE-141	L.T. 2. E-01		09/20	UJ		4
							~~CE-141~~	~~0.0 +- 1.0E-01~~		~~09/20~~			4

Saddle Mountain Lake

Peromyscus maniculatus

D-102

0009

revised 4/11/94

verified 2/18/94

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9413281.0219

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

PAGE 2

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-3751	LL-1140-F4	09/15/93	10/18/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26199	9309L887-003	B08YM6	09/08				CE-144	L.T. 6. E-01		09/20	U		4
							~~CE-144~~	~~4.4 ± 3.7E-01~~		~~09/20~~			4
							EU-152	L.T. 4. E-01		09/20	U		4
							~~EU-152~~	~~2.6 ± 2.4E-01~~		~~09/20~~			4
							EU-154	L.T. 4. E-01		09/20	U		4
							~~EU-154~~	~~3.9 ± 24.6E-02~~		~~09/20~~			4
							EU-155	L.T. 3. E-01		09/20	U		4
							~~EU-155~~	~~1.1 ± 0.2E-00~~		~~09/20~~			4
							RA-226	L.T. 2. E 00		09/20	U		4
							~~RA-226~~	~~8.0 ± 12.4E-01~~		~~09/20~~			4
							TH-228	L.T. 2. E-01		09/20	U		4
							~~TH-228~~	~~1.1 ± 1.2E-01~~		~~09/20~~			4
							TH-234	L.T. 2. E 00		09/20	U		4
							~~TH-234~~	~~2.9 ± 10.9E-01~~		~~09/20~~			4
							TOTAL-U	L.T. 2. E 00		09/20	U		4
							~~TOTAL-U~~	~~2.91 ± 10.9E-01~~		~~09/20~~			4
26200	9309L887-004	B08YM7	09/08				SR-90	L.T. 2. E-01		12/17	U		3
							~~SR-90~~	~~1.9 ± 12.1E-02~~		~~12/17~~			3
							BE-7	L.T. 9. E-01		09/18	U		4
							~~BE-7~~	~~0.0 ± 5.8E-01~~		~~09/18~~			4
							K-40	L.T. 3. E 00		09/18	U		4
							~~K-40~~	~~5.7 ± 1.4E-00~~		~~09/18~~			4
							MN-54	L.T. 1. E-01		09/18	U		4
							~~MN-54~~	~~3.3 ± 66.5E-03~~		~~09/18~~			4
							CO-58	L.T. 1. E-01		09/18	U		4
							~~CO-58~~	~~8.4 ± 7.2E-02~~		~~09/18~~			4
							FE-59	L.T. 2. E-01		09/18	U		4
							~~FE-59~~	~~6.2 ± 14.0E-02~~		~~09/18~~			4
							CO-60	L.T. 1. E-01		09/18	U		4
							~~CO-60~~	~~5.3 ± 6.4E-02~~		~~09/18~~			4
							ZN-65	L.T. 2. E-01		09/18	U		4

Saddle Mountain Lake

Peromyscus maniculatus

Revised 4/14/94

Verified 2/18/94

D-103

0010

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93.

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3751	LL-1140-F4	09/15/93	10/18/93	3

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M ÷	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% ÷	LAB.
26200	9309L887-004	B08YM7	09/08				~~ZN-65~~	~~3.9 +- 13.7E-02~~		~~09/18~~			4
							ZR-95	L.T. 1. E-01		09/18	U		4
							~~ZR-95~~	~~5.5 +- 70.6E-03~~		~~09/18~~			4
							RU-103	L.T. 1. E-01		09/18	U		4
							~~RU-103~~	~~4.4 +- 6.9E-02~~		~~09/18~~			4
							RU-106	L.T. 1. E 00		09/18	U		4
							~~RU-106~~	~~4.8 +- 6.4E-01~~		~~09/18~~			4
							I-131	L.T. 2. E-01		09/18	U		4
							~~I-131~~	~~1.3 +- 1.4E-01~~		~~09/18~~			4
							CS-134	L.T. 1. E-01		09/18	U		4
							~~CS-134~~	~~2.6 +- 7.2E-02~~		~~09/18~~			4
							CS-137	L.T. 1. E-01		09/18	U		4
							~~CS-137~~	~~2.3 +- 7.3E-02~~		~~09/18~~			4
							BA-140	L.T. 2. E-01		09/18	U		4
							~~BA-140~~	~~4.1 +- 10.4E-02~~		~~09/18~~			4
							CE-141	L.T. 1. E-01		09/18	U		4
							~~CE-141~~	~~3.3 +- 8.0E-02~~		~~09/18~~			4
							CE-144	L.T. 5. E-01		09/18	U		4
							~~CE-144~~	~~2.5 +- 293.E-03~~		~~09/18~~			4
							EU-152	L.T. 3. E-01		09/18	U		4
							~~EU-152~~	~~2.2 +- 2.0E-01~~		~~09/18~~			4
							EU-154	L.T. 3. E-01		09/18	U		4
							~~EU-154~~	~~4.6 +- 196.E-03~~		~~09/18~~			4
							EU-155	L.T. 2. E-01		09/18	U		4
							~~EU-155~~	~~1.1 +- 0.1E 00~~		~~09/18~~			4
							RA-226	L.T. 2. E 00		09/18	U		4
							~~RA-226~~	~~5.0 +- 101.E-02~~		~~09/18~~			4
							TH-228	L.T. 2. E-01		09/18	U		4
							~~TH-228~~	~~1.0 +- 1.0E-01~~		~~09/18~~			4
							TH-234	L.T. 2. E 00		09/18	U		4
							~~TH-234~~	~~7.6 +- 8.9E-01~~		~~09/18~~			4
							TOTAL-U	L.T. 2. E 00		09/18	U		4

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Revised 4/14/94

Verified 2/18/94

9413281.0221

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3751	LL-1140-F4	09/15/93	10/18/93	4

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26200	9309L887-004	B08YM7	09/08				~~TOTAL U~~	~~7.63+-8.88E-01~~		~~09/18~~			4
26201	9309L887-005	B08YM8	09/08				SR-90	L.T. 3. E-01		12/17			3
							~~SR-90~~	~~1.3+-1.6E-01~~		~~12/17~~			3
							BE-7	L.T. 9. E-01		09/18			4
							~~BE-7~~	~~6.7+-57.4E-02~~		~~09/18~~			4
							K-40	3.24+-0.76E 00		09/18			4
							~~K-40~~	~~L.T. 3. E 00~~		~~09/18~~			4
							MN-54	L.T. 1. E-01		09/18			4
							~~MN-54~~	~~1.4+-7.1E-02~~		~~09/18~~			4
							CO-58	L.T. 1. E-01		09/18			4
							~~CO-58~~	~~9.9+-7.5E-02~~		~~09/18~~			4
							FE-59	L.T. 2. E-01		09/18			4
							~~FE-59~~	~~1.7+-14.8E-02~~		~~09/18~~			4
							CO-60	L.T. 1. E-01		09/18			4
							~~CO-60~~	~~3.0+-7.1E-02~~		~~09/18~~			4
							ZN-65	L.T. 2. E-01		09/18			4
							~~ZN-65~~	~~3.4+-144.E-03~~		~~09/18~~			4
							ZR-95	L.T. 1. E-01		09/18			4
							~~ZR-95~~	~~8.9+-7.4E-02~~		~~09/18~~			4
							RU-103	L.T. 1. E-01		09/18			4
							~~RU-103~~	~~1.2+-7.2E-02~~		~~09/18~~			4
							RU-106	L.T. 1. E 00		09/18			4
							~~RU-106~~	~~2.0+-66.1E-02~~		~~09/18~~			4
							I-131	L.T. 2. E-01		09/18			4
							~~I-131~~	~~1.2+-1.4E-01~~		~~09/18~~			4
							CS-134	L.T. 1. E-01		09/18			4
							~~CS-134~~	~~2.5+-7.6E-02~~		~~09/18~~			4
							CS-137	L.T. 1. E-01		09/18			4
							~~CS-137~~	~~3.5+-7.6E-02~~		~~09/18~~			4
							BA-140	L.T. 2. E-01		09/18			4
							~~BA-140~~	~~7.3+-13.1E-02~~		~~09/18~~			4

Saddle Mountain Lake

Percognathus parvus

Revised 4/11/94

Verified 2/18/94

D-105

0012

WHC-SD-EN-TI-249, Rev. 0

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

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4-3751	LL-1140-F4	09/15/93	10/18/93	5

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26201	9309L887-005	B08YM8	09/08				CE-141	L.T. 1. E-01		09/18	U		4
							~~CE-141~~	~~6.9 +- 8.3E-02~~		~~09/18~~			4
							CE-144	L.T. 5. E-01		09/18	U		4
							~~CE-144~~	~~3.6 +- 3.0E-01~~		~~09/18~~			4
							EU-152	L.T. 3. E-01		09/18	U		4
							~~EU-152~~	~~3.3 +- 2.0E-01~~		~~09/18~~			4
							EU-154	L.T. 4. E-01		09/18	U		4
							~~EU-154~~	~~7.9 +- 21.8E-02~~		~~09/18~~			4
							EU-155	L.T. 3. E-01		09/18	U		4
							~~EU-155~~	~~1.1 +- 0.2E 00~~		~~09/18~~			4
							RA-226	L.T. 2. E 00		09/18	U		4
							~~RA-226~~	~~1.5 +- 1.1E 00~~		~~09/18~~			4
							TH-228	L.T. 2. E-01		09/18	U		4
							~~TH-228~~	~~1.1 +- 1.0E-01~~		~~09/18~~			4
							TH-234	L.T. 2. E 00		09/18	U		4
							~~TH-234~~	~~6.5 +- 9.2E-01~~		~~09/18~~			4
							TOTAL-U	L.T. 2. E 00		09/18	U		4
							~~TOTAL-U~~	~~6.50+- 9.19E 01~~		~~09/18~~			4
26202	9309L887-006	B08YM9	09/08				SR-90	L.T. 2. E-01		12/17	~~U~~ U		3
							~~SR-90~~	~~7.1 +-13.3E-02~~		~~12/17~~			3
							BE-7	L.T. 9. E-01		09/18	U		4
							~~BE-7~~	~~3.2 +- 5.4E-01~~		~~09/18~~			4
							K-40	L.T. 3. E 00		09/18	U		4
							~~K-40~~	~~3.8 +-12.3E-01~~		~~09/18~~			4
							MN-54	L.T. 1. E-01		09/18	U		4
							~~MN-54~~	~~1.1 +-65.8E-03~~		~~09/18~~			4
							CO-58	L.T. 1. E-01		09/18	U		4
							~~CO-58~~	~~3.6 +-67.2E-03~~		~~09/18~~			4
							FE-59	L.T. 2. E-01		09/18	U		4
							~~FE-59~~	~~1.8 +-13.0E-02~~		~~09/18~~			4
							CO-60	L.T. 1. E-01		09/18	U		4

Saddle Mountain Lake

Percognathus parvus

Revised 4/14/94

Verified 2/18/94

4/28/94

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
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MRS JOSIE EDWARDS
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26202	9309L887-006	B08YM9	09/08				~~CO-60~~	~~6.5 +- 6.1E-02~~		~~09/18~~			4
							ZN-65	L.T. 2. E-01		09/18			4
							~~ZN-65~~	~~6.7 +- 13.5E-02~~		~~09/18~~			4
							ZR-95	L.T. 1. E-01		09/18			4
							~~ZR-95~~	~~7.7 +- 7.8E-02~~		~~09/18~~			4
							RU-103	L.T. 1. E-01		09/18			4
							~~RU-103~~	~~3.5 +- 67.1E-03~~		~~09/18~~			4
							RU-106	L.T. 1. E 00		09/18			4
							~~RU-106~~	~~1.7 +- 5.9E-01~~		~~09/18~~			4
							I-131	L.T. 2. E-01		09/18			4
							~~I-131~~	~~1.3 +- 13.4E-02~~		~~09/18~~			4
							CS-134	L.T. 1. E-01		09/18			4
							~~CS-134~~	~~6.8 +- 7.2E-02~~		~~09/18~~			4
							CS-137	L.T. 1. E-01		09/18			4
							~~CS-137~~	~~2.1 +- 68.5E-03~~		~~09/18~~			4
							BA-140	L.T. 2. E-01		09/18			4
							~~BA-140~~	~~5.0 +- 11.6E-02~~		~~09/18~~			4
							CE-141	L.T. 1. E-01		09/18			4
							~~CE-141~~	~~1.1 +- 0.8E-01~~		~~09/18~~			4
							CE-144	L.T. 5. E-01		09/18			4
							~~CE-144~~	~~1.2 +- 2.8E-01~~		~~09/18~~			4
							EU-152	L.T. 3. E-01		09/18			4
							~~EU-152~~	~~3.7 +- 1.9E-01~~		~~09/18~~			4
							EU-154	L.T. 6. E-01		09/18			4
							~~EU-154~~	~~2.8 +- 2.8E-01~~		~~09/18~~			4
							EU-155	L.T. 2. E-01		09/18			4
							~~EU-155~~	~~1.7 +- 0.1E 00~~		~~09/18~~			4
							RA-226	L.T. 2. E 00		09/18			4
							~~RA-226~~	~~1.8 +- 1.0E 00~~		~~09/18~~			4
							TH-228	L.T. 2. E-01		09/18			4
							~~TH-228~~	~~1.3 +- 1.0E-01~~		~~09/18~~			4
							TH-234	L.T. 2. E 00		09/18			4

Revised 4/6/94

Verified 2/18/94

D-107

0014

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 12/21/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-3751	LL-1140-F4	09/15/93	10/18/93	7

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
26202	9309L887-006	B08YM9	09/08				~~TH-234~~	~~1.9 +- 0.9E-00~~		~~09/18~~			4
							TOTAL-U	L.T. 2. E 00		09/18	UJ		4
							~~TOTAL-U~~	~~1.85+-0.89E-00~~		~~09/18~~			4
26203	9309L887-003DUPB08YM6		09/08				SR-90	L.T. 2. E-01		12/17	U		3
							~~SR-90~~	~~3.3 +- 10.5E-02~~		~~12/17~~			3
							BE-7	L.T. 7. E-01		09/18	UJ		4
							~~BE-7~~	~~2.6 +- 4.4E-01~~		~~09/18~~			4
							K-40	4.71+-0.72E 00		09/18	J		4
							~~K-40~~	~~L.T. 3. E-00~~		~~09/18~~			4
							MN-54	L.T. 9. E-02		09/18	UJ		4
							~~MN-54~~	~~5.0 +- 5.0E-02~~		~~09/18~~			4
							CO-58	L.T. 9. E-02		09/18	UJ		4
							~~CO-58~~	~~5.6 +- 5.5E-02~~		~~09/18~~			4
							FE-59	L.T. 2. E-01		09/18	UJ		4
							~~FE-59~~	~~6.5 +- 10.8E-02~~		~~09/18~~			4
							CO-60	L.T. 8. E-02		09/18	UJ		4
							~~CO-60~~	~~1.5 +- 4.9E-02~~		~~09/18~~			4
							ZN-65	L.T. 2. E-01		09/18	UJ		4
							~~ZN-65~~	~~4.7 +- 11.1E-02~~		~~09/18~~			4
							ZR-95	L.T. 9. E-02		09/18	UJ		4
							~~ZR-95~~	~~2.0 +- 5.6E-02~~		~~09/18~~			4
							RU-103	L.T. 9. E-02		09/18	UJ		4
							~~RU-103~~	~~2.8 +- 5.4E-02~~		~~09/18~~			4
							RU-106	L.T. 8. E-01		09/18	UJ		4
							~~RU-106~~	~~1.0 +- 4.9E-01~~		~~09/18~~			4
							I-131	L.T. 2. E-01		09/18	UJ		4
							~~I-131~~	~~0.0 +- 1.1E-01~~		~~09/18~~			4
							CS-134	L.T. 9. E-02		09/18	UJ		4
							~~CS-134~~	~~2.9 +- 5.5E-02~~		~~09/18~~			4
							CS-137	L.T. 9. E-02		09/18	UJ		4
							~~CS-137~~	~~5.1 +- 56.1E-03~~		~~09/18~~			4

Saddle Mountain Lake
Peromyscus maniculatus
Lab. Duplicate

Revised 4/11/94

Verified 2/18/94

D-108

0015

WHC-SD-EN-TI-249, Rev. 0

SOG 27605-WES-1F 7- 9413281.0225

2

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/09/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-4056	LL-1140-F4	09/28/93	10/31/93	1

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27605	9309L038-001	BOBYNO	09/17				SR-90	2.4 +-0.9 E-01		11/05		3.91 *	3
							~~SR-90~~	~~L.T. 1. E-01~~		~~11/05~~			3
							BE-7	L.T. 1. E 00		10/08		UJ	4
							~~BE-7~~	~~6.2 +-7.3 E-01~~		~~10/08~~			4
							K-40	4.66+-0.95E 00		10/08		J	4
							~~K-40~~	~~L.T. 3. E 00~~		~~10/08~~			4
							MN-54	L.T. 1. E-01		10/08		UJ	4
							~~MN-54~~	~~4.4 +-7.3 E-02~~		~~10/08~~			4
							CO-58	L.T. 1. E-01		10/08		UJ	4
							~~CO-58~~	~~7.1 +-9.1 E-02~~		~~10/08~~			4
							FE-59	L.T. 3. E-01		10/08		UJ	4
							~~FE-59~~	~~9.0 +-101.E-03~~		~~10/08~~			4
							CO-60	L.T. 1. E-01		10/08		UJ	4
							~~CO-60~~	~~4.1 +-7.9 E-02~~		~~10/08~~			4
							ZN-65	L.T. 2. E-01		10/08		UJ	4
							~~ZN-65~~	~~1.2 +-14.7E-02~~		~~10/08~~			4
							ZR-95	L.T. 1. E-01		10/08		UJ	4
							~~ZR-95~~	~~3.3 +-8.6 E-02~~		~~10/08~~			4
							RU-103	L.T. 2. E-01		10/08		UJ	4
							~~RU-103~~	~~1.3 +-9.5 E-02~~		~~10/08~~			4
							RU-106	L.T. 1. E 00		10/08		UJ	4
							~~RU-106~~	~~1.1 +-7.4 E-01~~		~~10/08~~			4
							I-131	L.T. 7. E-01		10/08		UJ	4
							~~I-131~~	~~7.1 +-48.9E-02~~		~~10/08~~			4
							CS-134	L.T. 1. E-01		10/08		UJ	4
							~~CS-134~~	~~4.0 +-8.2 E-02~~		~~10/08~~			4
							CS-137	L.T. 1. E-01		10/08		UJ	4
							~~CS-137~~	~~8.3 +-8.0 E-02~~		~~10/08~~			4
							BA-140	L.T. 4. E-01		10/08		UJ	4
							~~BA-140~~	~~2.5 +-2.3 E-01~~		~~10/08~~			4
							CE-141	L.T. 2. E-01		10/08		UJ	4
							~~CE-141~~	~~9.0 +-124.E-03~~		~~10/08~~			4

216-U-11

2/14/94 Classes Insecta/ Arachnida

Revised 4-6-94

009

Verified 2/11/94

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RD-109

9413281.0226

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/09/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-4056	LL-1140-F4	09/28/93	10/31/93	2

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27605	9309L038-001	B08YN0	09/17				CE-144	L.T. 6. E-01		10/08	UJ		4
							~~CE-144~~	~~1.1 +- 3.7 E-01~~		~~10/08~~			4
							EU-152	L.T. 4. E-01		10/08	UJ		4
							~~EU-152~~	~~2.8 +- 2.2 E-01~~		~~10/08~~			4
							EU-154	L.T. 6. E-01		10/08	UJ		4
							~~EU-154~~	~~6.4 +- 3.0 E-01~~		~~10/08~~			4
							EU-155	L.T. 4. E-01		10/08	UJ		4
							~~EU-155~~	~~1.5 +- 8.2 E 00~~		~~10/08~~			4
							RA-226	L.T. 2. E 00		10/08	UJ		4
							~~RA-226~~	~~7.4 +- 127.E-02~~		~~10/08~~			4
							TH-228	L.T. 2. E-01		10/08	UJ		4
							~~TH-228~~	~~6.0 +- 11.5E-02~~		~~10/08~~			4
							TH-234	L.T. 2. E 00		10/08	UJ		4
							~~TH-234~~	~~1.3 +- 1.2 E 00~~		~~10/08~~			4
							TOTAL-U	L.T. 2. E 00		10/08	UJ		4
							~~TOTAL-U~~	~~1.32+- 1.20E 00~~		~~10/08~~			4
													4
27606	9309L038-001DUPB08YN0		09/17				SR-90	2.3 +-0.9 E-01		11/05		3.91 *	3
							~~SR-90~~	~~L.T. 9. E-02~~		~~11/05~~			3
							BE-7	L.T. 1. E 00		10/13	UJ		4
							~~BE-7~~	~~5.5 +- 8.2E-01~~		~~10/13~~			4
							K-40	3.63+-0.88E 00		10/13	J		4
							~~K-40~~	~~L.T. 4. E 00~~		~~10/13~~			4
							MN-54	L.T. 1. E-01		10/13	UJ		4
							~~MN-54~~	~~9.6 +- 8.0E-02~~		~~10/13~~			4
							CO-58	L.T. 2. E-01		10/13	UJ		4
							~~CO-58~~	~~3.0 +- 9.5E-02~~		~~10/13~~			4
							FE-59	L.T. 3. E-01		10/13	UJ		4
							~~FE-59~~	~~8.1 +- 20.6E-02~~		~~10/13~~			4
							CO-60	L.T. 1. E-01		10/13	UJ		4
							~~CO-60~~	~~3.0 +- 6.9E-02~~		~~10/13~~			4

Revised 4-9-94

Verified 2/11/94

D-110

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WHC-SD-EN-TI-249, Rev. 0

9413281.0227

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/09/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-4056	LL-1140-F4	09/28/93	10/31/93	4

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT DATE	MID-COUNT TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27606	9309L038-001DUPB08YN0		09/17				TOTAL-U	L.T. 2. E-01		10/13	UJ		4
							~~TOTAL-U~~	~~2.21+-1.10E-01~~		~~10/13~~			4
27609	9309L038-002	B08YN1	09/17				SR-90	6.2 +-0.6 E-01		11/03		6.13 *	3
							~~SR-90~~	~~L.T. 3. E-02~~		~~11/03~~			3
							BE-7	L.T. 2. E 00		10/08	UJ		4
							~~BE-7~~	~~2.2 + 14.5E-01~~		~~10/08~~			4
							K-40	5.63+-1.68E 00		10/08	J		4
							~~K-40~~	~~L.T. 6. E-00~~		~~10/08~~			4
							MN-54	L.T. 2. E-01		10/08	UJ		4
							~~MN-54~~	~~7.2 + 13.3E-02~~		~~10/08~~			4
							CO-58	L.T. 3. E-01		10/08	UJ		4
							~~CO-58~~	~~1.1 + 1.6E-01~~		~~10/08~~			4
							FE-59	L.T. 6. E-01		10/08	UJ		4
							~~FE-59~~	~~6.6 + 33.3E-02~~		~~10/08~~			4
							CO-60	L.T. 2. E-01		10/08	UJ		4
							~~CO-60~~	~~3.5 + 12.3E-02~~		~~10/08~~			4
							ZN-65	L.T. 5. E-01		10/08	UJ		4
							~~ZN-65~~	~~6.3 + 28.7E-02~~		~~10/08~~			4
							ZR-95	L.T. 3. E-01		10/08	UJ		4
							~~ZR-95~~	~~1.8 + 1.7E-01~~		~~10/08~~			4
							RU-103	L.T. 3. E-01		10/08	UJ		4
							~~RU-103~~	~~1.6 + 1.9E-01~~		~~10/08~~			4
							RU-106	L.T. 2. E 00		10/08	UJ		4
							~~RU-106~~	~~8.9 + 13.4E-01~~		~~10/08~~			4
							I-131	L.T. 1. E 00		10/08	UJ		4
							~~I-131~~	~~3.5 + 9.4E-01~~		~~10/08~~			4
							CS-134	L.T. 3. E-01		10/08	UJ		4
							~~CS-134~~	~~9.7 + 15.1E-02~~		~~10/08~~			4
							CS-137	6.73+-0.67E 00		10/08	J		4
							~~CS-137~~	~~L.T. 7. E-01~~		~~10/08~~			4
							BA-140	L.T. 5. E-01		10/08	UJ		4

216-B-3

Classes
Insecta/Arachnida

verified [illegible] 2/11/94

D-111

012
Revised 4-9-94

WHC-SD-EN-TI-249, Rev. 0

9413281.0228

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/09/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-4056	LL-1140-F4	09/28/93	10/31/93	5

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27609	9309L038-002	B08YN1	09/17				~~BA-140~~	~~5.2 +- 3.6E-01~~		~~10/08~~			4
							CE-141	L.T. 4. E-01		10/08	UJ		4
							~~CE-141~~	~~1.1 + 2.4 E-01~~		~~10/08~~			4
							CE-144	L.T. 1. E 00		10/08	UJ		4
							~~CE-144~~	~~2.3 + 7.1E-01~~		~~10/08~~			4
							EU-152	L.T. 7. E-01		10/08	UJ		4
							~~EU-152~~	~~5.1 + 4.3E-01~~		~~10/08~~			4
							EU-154	L.T. 6. E-01		10/08	UJ		4
							~~EU-154~~	~~5.6 + 37.0E-02~~		~~10/08~~			4
							EU-155	L.T. 6. E-01		10/08	UJ		4
							~~EU-155~~	~~3.6 + 0.4E-00~~		~~10/08~~			4
							RA-226	L.T. 4. E 00		10/08	UJ		4
							~~RA-226~~	~~7.0 + 24.6E-01~~		~~10/08~~			4
							TH-228	L.T. 4. E-01		10/08	UJ		4
							~~TH-228~~	~~5.3 + 2.3E-01~~		~~10/08~~			4
							TH-234	L.T. 4. E 00		10/08	UJ		4
							~~TH-234~~	~~5.3 + 2.3E-00~~		~~10/08~~			4
							TOTAL-U	L.T. 4. E 00		10/08	UJ		4
							~~TOTAL-U~~	~~5.33+ 2.26E-00~~		~~10/08~~			4
27610	9309L038-003	B08YN2	09/17				SR-90	5.4 +-0.7 E-01		11/03		3.73 *	3
							~~SR-90~~	~~L.T. 3. E-02~~		~~11/03~~			3
							BE-7	L.T. 2. E 00		10/08	UJ		4
							~~BE-7~~	~~1.1 + 12.5E-01~~		~~10/08~~			4
							K-40	1.05+-0.17E 01		10/08	J		4
							~~K-40~~	~~L.T. 6. E-00~~		~~10/08~~			4
							MN-54	L.T. 2. E-01		10/08	UJ		4
							~~MN-54~~	~~1.6 + 12.6E-02~~		~~10/08~~			4
							CO-58	L.T. 2. E-01		10/08	UJ		4
							~~CO-58~~	~~8.3 + 14.6E-02~~		~~10/08~~			4
							FE-59	L.T. 5. E-01		10/08	UJ		4
							~~FE-59~~	~~1.4 + 29.8E-02~~		~~10/08~~			4

216-T-4
Classes
Insecta/Arachnida

Revised 4-4

Verified 2/11/94

D-112

WHC-SD-EN-TI-249, Rev. 0

013

9413281.0229

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/09/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-4056	LL-1140-F4	09/28/93	10/31/93	6

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27610	9309L038-003	B08YN2	09/17				CO-60	L.T. 2. E-01		10/08	UJ		4
							~~CO-60~~	~~7.1 +- 11.7E-02~~		~~10/08~~			4
							ZN-65	L.T. 4. E-01		10/08	UJ		4
							~~ZN-65~~	~~2.2 +- 2.5E-01~~		~~10/08~~			4
							ZR-95	L.T. 2. E-01		10/08	UJ		4
							~~ZR-95~~	~~6.7 +- 14.6E-02~~		~~10/08~~			4
							RU-103	L.T. 3. E-01		10/08	UJ		4
							~~RU-103~~	~~8.7 +- 16.4E-02~~		~~10/08~~			4
							RU-106	L.T. 2. E 00		10/08	UJ		4
							~~RU-106~~	~~1.9 +- 121.E-02~~		~~10/08~~			4
							I-131	L.T. 1. E 00		10/08	UJ		4
							~~I-131~~	~~1.4 +- 7.2E-01~~		~~10/08~~			4
							CS-134	L.T. 2. E-01		10/08	UJ		4
							~~CS-134~~	~~1.4 +- 1.3E-01~~		~~10/08~~			4
							CS-137	L.T. 2. E-01		10/08	UJ		4
							~~CS-137~~	~~1.6 +- 1.4E-01~~		~~10/08~~			4
							BA-140	L.T. 5. E-01		10/08	UJ		4
							~~BA-140~~	~~2.1 +- 3.4E-01~~		~~10/08~~			4
							CE-141	L.T. 3. E-01		10/08	UJ		4
							~~CE-141~~	~~1.9 +- 2.1E-01~~		~~10/08~~			4
							CE-144	L.T. 1. E 00		10/08	UJ		4
							~~CE-144~~	~~2.8 +- 6.3E-01~~		~~10/08~~			4
							EU-152	L.T. 6. E-01		10/08	UJ		4
							~~EU-152~~	~~5.3 +- 3.9E-01~~		~~10/08~~			4
							EU-154	L.T. 6. E-01		10/08	UJ		4
							~~EU-154~~	~~3.8 +- 3.6E-01~~		~~10/08~~			4
							EU-155	L.T. 5. E-01		10/08	UJ		4
							~~EU-155~~	~~1.2 +- 0.3E-00~~		~~10/08~~			4
							RA-226	L.T. 3. E 00		10/08	UJ		4
							~~RA-226~~	~~1.7 +- 2.0E-00~~		~~10/08~~			4
							TH-228	L.T. 4. E-01		10/08	UJ		4
							~~TH-228~~	~~3.9 +- 2.0E-01~~		~~10/08~~			4

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2/11/94

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Revised 4-9-94

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9413281.0230

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/09/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 7
4-4056	LL-1140-F4	09/28/93	10/31/93	

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT DATE	MID-COUNT TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27610	9309L038-003	B0BYN2	09/17				TH-234	L.T. 3. E 00		10/08	UJ		4
							~~TH-234~~	~~3.9 +- 1.8E 00~~		~~10/08~~			4
							TOTAL-U	L.T. 3. E 00		10/08	UJ		4
							~~TOTAL-U~~	~~3.80+- 1.82E 00~~		~~10/08~~			4
27611	9309L038-004	B0BYN3	09/17				SR-90	L.T. 2. E-02		11/03	U		3
							~~SR-90~~	~~2.5 +- 1.9 E-02~~		~~11/03~~			3
							BE-7	L.T. 1. E 00		10/09	UJ		4
							~~BE-7~~	~~3.4 +- 6.7E-01~~		~~10/09~~			4
							K-40	9.31+-1.03E 00		10/09	J		4
							~~K-40~~	~~L.T. 3.0. E 00~~		~~10/09~~			4
							MN-54	L.T. 1. E-01		10/09	UJ		4
							~~MN-54~~	~~2.6 +- 6.8E-02~~		~~10/09~~			4
							CO-58	L.T. 1. E-01		10/09	UJ		4
							~~CO-58~~	~~4.6 +- 8.1E-02~~		~~10/09~~			4
							FE-59	L.T. 3. E-01		10/09	UJ		4
							~~FE-59~~	~~8.8 +- 16.3E-02~~		~~10/09~~			4
							CO-60	L.T. 1. E-01		10/09	UJ		4
							~~CO-60~~	~~3.4 +- 6.6E-02~~		~~10/09~~			4
							ZN-65	L.T. 2. E-01		10/09	UJ		4
							~~ZN-65~~	~~5.8 +- 14.7E-02~~		~~10/09~~			4
							ZR-95	L.T. 1. E-01		10/09	UJ		4
							~~ZR-95~~	~~6.8 +- 8.1E-02~~		~~10/09~~			4
							RU-103	L.T. 1. E-01		10/09	UJ		4
							~~RU-103~~	~~1.8 +- 8.5E-02~~		~~10/09~~			4
							RU-106	L.T. 1. E 00		10/09	UJ		4
							~~RU-106~~	~~1.1 +- 6.3E-01~~		~~10/09~~			4
							I-131	L.T. 6. E-01		10/09	UJ		4
							~~I-131~~	~~1.5 +- 3.9E-01~~		~~10/09~~			4
							CS-134	L.T. 1. E-01		10/09	UJ		4
							~~CS-134~~	~~2.1 +- 7.5E-02~~		~~10/09~~			4
							CS-137	L.T. 1. E-01		10/09	UJ		4

Saddle Mountain Lake

Classes Insecta/Arachnida

verified 2/11/94

015 Revised 4-9-94

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9413281.0231

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/09/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
4-4056	LL-1140-F4	09/28/93	10/31/93	8

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27611	9309L038-004	B08YN3	09/17				~~CS-137~~	~~8.4 +- 7.0E-02~~		~~10/09~~			4
							BA-140	L.T. 3. E-01		10/09	UJ		4
							~~BA-140~~	~~5.2 +- 20.5E-02~~		~~10/09~~			4
							CE-141	L.T. 2. E-01		10/09	UJ		4
							~~CE-141~~	~~1.6 +- 1.1E-01~~		~~10/09~~			4
							CE-144	L.T. 5. E-01		10/09	UJ		4
							~~CE-144~~	~~3.7 +- 3.3E-01~~		~~10/09~~			4
							EU-152	L.T. 3. E-01		10/09	UJ		4
							~~EU-152~~	~~2.1 +- 2.0E-01~~		~~10/09~~			4
							EU-154	L.T. 3. E-01		10/09	UJ		4
							~~EU-154~~	~~3.6 +- 20.7E-02~~		~~10/09~~			4
							EU-155	L.T. 3. E-01		10/09	UJ		4
							~~EU-155~~	~~1.3 +- 0.2E 00~~		~~10/09~~			4
							RA-226	L.T. 2. E 00		10/09	UJ		4
							~~RA-226~~	~~0.0 +- 10.5E-01~~		~~10/09~~			4
							TH-228	L.T. 2. E-01		10/09	UJ		4
							~~TH-228~~	~~0.5 +- 10.0E-02~~		~~10/09~~			4
							TH-234	L.T. 2. E 00		10/09	UJ		4
							~~TH-234~~	~~1.6 +- 1.0E 00~~		~~10/09~~			4
							TOTAL-U	L.T. 2. E 00		10/09	UJ		4
							~~TOTAL-U~~	~~2.06+- 0.98E 00~~		~~10/09~~			4
27612	9309L038-005	B08YN4	09/17				SR-90	3.4 +-1.2 E-01		11/08			3
							~~SR-90~~	~~L.T. 1. E-01~~		~~11/08~~			3
							BE-7	L.T. 2. E 00		10/09	UJ		4
							~~BE-7~~	~~9.0 +- 11.9E-01~~		~~10/09~~			4
							K-40	7.68+-1.56E 00		10/09	J		4
							~~K-40~~	~~L.T. 5. E 00~~		~~10/09~~			4
							MN-54	L.T. 2. E-01		10/09	UJ		4
							~~MN-54~~	~~6.3 +- 122.E-03~~		~~10/09~~			4
							CO-58	L.T. 2. E-01		10/09	UJ		4
							~~CO-58~~	~~7.8 +- 13.4E-02~~		~~10/09~~			4

216-A-24
Classes
Insecta/Arachnida

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2/11/94

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/09/93

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WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE
4-4056	LL-1140-F4	09/28/93	10/31/93

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

S O L I D S

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27612	9309L038-005	B08YN4	09/17				FE-59	L.T. 5. E-01		10/09	UJ		4
							~~FE-59~~	~~3.0 +- 2.9E-01~~		~~10/09~~			4
							CO-60	L.T. 2. E-01		10/09	UJ		4
							~~CO-60~~	~~3.6 +- 10.7E-02~~		~~10/09~~			4
							ZN-65	L.T. 4. E-01		10/09	UJ		4
							~~ZN-65~~	~~1.1 +- 23.6E-02~~		~~10/09~~			4
							ZR-95	L.T. 2. E-01		10/09	UJ		4
							~~ZR-95~~	~~1.1 +- 1.4E-01~~		~~10/09~~			4
							RU-103	L.T. 3. E-01		10/09	UJ		4
							~~RU-103~~	~~7.3 +- 15.4E-02~~		~~10/09~~			4
							RU-106	L.T. 2. E 00		10/09	UJ		4
							~~RU-106~~	~~4.9 +- 117.E-02~~		~~10/09~~			4
							I-131	L.T. 1. E 00		10/09	UJ		4
							~~I-131~~	~~3.8 +- 7.1E-01~~		~~10/09~~			4
							CS-134	L.T. 2. E-01		10/09	UJ		4
							~~CS-134~~	~~5.7 +- 13.4E-02~~		~~10/09~~			4
							CS-137	L.T. 2. E-01		10/09	UJ		4
							~~CS-137~~	~~3.7 +- 12.9E-02~~		~~10/09~~			4
							BA-140	L.T. 6. E-01		10/09	UJ		4
							~~BA-140~~	~~2.4 +- 3.8E-01~~		~~10/09~~			4
							CE-141	L.T. 3. E-01		10/09	UJ		4
							~~CE-141~~	~~1.2 +- 2.0E-01~~		~~10/09~~			4
							CE-144	L.T. 1. E 00		10/09	UJ		4
							~~CE-144~~	~~5.0 +- 5.9E-01~~		~~10/09~~			4
							EU-152	L.T. 6. E-01		10/09	UJ		4
							~~EU-152~~	~~8.8 +- 3.6E-01~~		~~10/09~~			4
							EU-154	L.T. 1. E 00		10/09	UJ		4
							~~EU-154~~	~~1.2 +- 0.5E-00~~		~~10/09~~			4
							EU-155	L.T. 5. E-01		10/09	UJ		4
							~~EU-155~~	~~3.2 +- 0.3E-00~~		~~10/09~~			4
							RA-226	L.T. 3. E 00		10/09	UJ		4
							~~RA-226~~	~~1.2 +- 2.0E-00~~		~~10/09~~			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/09/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 10
4-4056	LL-1140-F4	09/28/93	10/31/93	

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

S O L I D S

Q

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	TIME	STOP DATE	TIME	NUCLIDE	ACTIVITY (PCI/GM WET)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
27612	9309L038-005	B08YN4	09/17				TH-228	L.T. 3. E-01		10/09	UJ		4
							~~TH-228~~	~~1.4 +- 1.8E-01~~		~~10/09~~			4
							TH-234	L.T. 3. E 00		10/09	UJ		4
							~~TH-234~~	~~2.8 +- 1.9E 00~~		~~10/09~~			4
							TOTAL-U	L.T. 3. E 00		10/09	UJ		4
							~~TOTAL-U~~	~~2.83+- 1.86E 00~~		~~10/09~~			4

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verified 2/11/94

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APPENDIX E

RADIOCHEMISTRY VALIDATED DETECTED RESULTS SUMMARY

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Sample Number	Date	Location	Sample Type	Parameter	Result	Error	Q	Units
B08YH9	8/02/93	216-A-24	CH./S. GRASS	BERYLLIUM-7	3.940	.710		pCi/g
B08YJ0	8/02/93	216-A-24	CHEATGRASS	BERYLLIUM-7	8.690	.870		pCi/g
B08YH6	8/02/93	216-A-24	SOIL	CESIUM-134	.064	.022	J	pCi/g
B08YH9	8/02/93	216-A-24	CH./S. GRASS	CESIUM-137	.777	.078		pCi/g
B08YJ0	8/02/93	216-A-24	CHEATGRASS	CESIUM-137	.780	.078		pCi/g
B08YK5	8/20/93	216-A-24	RODENT	CESIUM-137	.178	.081	J	pCi/g
B08YK6	8/20/93	216-A-24	RODENT	CESIUM-137	.123	.064	J	pCi/g
B08YH8	8/02/93	216-A-24	RUSSIAN THIS.	CESIUM-137	.383	.056		pCi/g
B08YH3	8/02/93	216-A-24	SOIL	CESIUM-137	.184	.023	J	pCi/g
B08YH4	8/02/93	216-A-24	SOIL	CESIUM-137	.517	.052	J	pCi/g
B08YH5	8/02/93	216-A-24	SOIL	CESIUM-137	.566	.057	J	pCi/g
B08YH6	8/02/93	216-A-24	SOIL	CESIUM-137	10.400	1.000	J	pCi/g
B08YH9	8/02/93	216-A-24	CH./S. GRASS	POTASSIUM-40	7.610	.900		pCi/g
B08YJ0	8/02/93	216-A-24	CHEATGRASS	POTASSIUM-40	5.910	.590		pCi/g
B08YN4	9/17/93	216-A-24	INSECTS	POTASSIUM-40	7.680	1.560	J	pCi/g
B08YK3	8/20/93	216-A-24	RODENT	POTASSIUM-40	6.450	1.100	J	pCi/g
B08YK5	8/20/93	216-A-24	RODENT	POTASSIUM-40	5.340	.880	J	pCi/g
B08YH7	8/02/93	216-A-24	RUSSIAN THIS.	POTASSIUM-40	46.200	4.600	J	pCi/g
B08YH8	8/02/93	216-A-24	RUSSIAN THIS.	POTASSIUM-40	52.600	5.300		pCi/g
B08YH3	8/02/93	216-A-24	SOIL	POTASSIUM-40	13.900	1.400	J	pCi/g
B08YH4	8/02/93	216-A-24	SOIL	POTASSIUM-40	17.500	1.700	J	pCi/g
B08YH5	8/02/93	216-A-24	SOIL	POTASSIUM-40	17.400	1.700	J	pCi/g
B08YH6	8/02/93	216-A-24	SOIL	POTASSIUM-40	18.300	1.800	J	pCi/g
B08YH3	8/02/93	216-A-24	SOIL	RADIUM-226	1.120	.310	J	pCi/g
B08YH4	8/02/93	216-A-24	SOIL	RADIUM-226	1.350	.340	J	pCi/g
B08YH5	8/02/93	216-A-24	SOIL	RADIUM-226	1.340	.540	J	pCi/g
B08YH6	8/02/93	216-A-24	SOIL	RADIUM-226	1.390	.500	J	pCi/g
B08YH9	8/02/93	216-A-24	CH./S. GRASS	STRONTIUM-90	.250	.060		pCi/g
B08YJ0	8/02/93	216-A-24	CHEATGRASS	STRONTIUM-90	1.200	.100		pCi/g
B08YN4	9/17/93	216-A-24	INSECTS	STRONTIUM-90	.340	.120		pCi/g
B08YK3	8/20/93	216-A-24	RODENT	STRONTIUM-90	.130	.102		pCi/g
B08YK4	8/20/93	216-A-24	RODENT	STRONTIUM-90	.400	.140		pCi/g
B08YK5	8/20/93	216-A-24	RODENT	STRONTIUM-90	.260	.120		pCi/g
B08YH7	8/02/93	216-A-24	RUSSIAN THIS.	STRONTIUM-90	1.700	.100		pCi/g
B08YH8	8/02/93	216-A-24	RUSSIAN THIS.	STRONTIUM-90	4.800	.200		pCi/g
B08YH3	8/02/93	216-A-24	SOIL	STRONTIUM-90	.110	.050		pCi/g
B08YH4	8/02/93	216-A-24	SOIL	STRONTIUM-90	.080	.037		pCi/g
B08YH5	8/02/93	216-A-24	SOIL	STRONTIUM-90	.120	.050		pCi/g
B08YH6	8/02/93	216-A-24	SOIL	STRONTIUM-90	1.000	.100		pCi/g
B08YH9	8/02/93	216-A-24	CH./S. GRASS	THORIUM-228	.140	.070		pCi/g
B08YJ0	8/02/93	216-A-24	CHEATGRASS	THORIUM-228	.327	.047		pCi/g
B08YH3	8/02/93	216-A-24	SOIL	THORIUM-228	.643	.064	J	pCi/g
B08YH4	8/02/93	216-A-24	SOIL	THORIUM-228	.851	.085	J	pCi/g
B08YH5	8/02/93	216-A-24	SOIL	THORIUM-228	.992	.099	J	pCi/g
B08YH6	8/02/93	216-A-24	SOIL	THORIUM-228	.888	.089	J	pCi/g
B08YH3	8/02/93	216-A-24	SOIL	THORIUM-234	1.200	.300	J	pCi/g

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Sample Number	Date	Location	Sample Type	Parameter	Result	Error	Q	Units
B08YH4	8/02/93	216-A-24	SOIL	THORIUM-234	1.400	.400	J	pCi/g
B08YH5	8/02/93	216-A-24	SOIL	THORIUM-234	1.400	.500	J	pCi/g
B08YH6	8/02/93	216-A-24	SOIL	THORIUM-234	1.100	.400	J	pCi/g
B08YH3	8/02/93	216-A-24	SOIL	TOTAL URANIUM	2.440	.610	J	pCi/g
B08YH4	8/02/93	216-A-24	SOIL	TOTAL URANIUM	2.710	.820	J	pCi/g
B08YH5	8/02/93	216-A-24	SOIL	TOTAL URANIUM	2.710	.990	J	pCi/g
B08YH6	8/02/93	216-A-24	SOIL	TOTAL URANIUM	2.190	.890	J	pCi/g
B08YH2	8/02/93	216-B-3	WILLOW	BERYLLIUM-7	1.310	.640		pCi/g
B08YG5	8/02/93	216-B-3	SOIL	CESIUM-134	.076	.026	J	pCi/g
B08YG6	8/02/93	216-B-3	SOIL	CESIUM-134	.124	.036	J	pCi/g
B08YG8	8/02/93	216-B-3	SOIL	CESIUM-134	.067	.025	J	pCi/g
B08YG9	8/02/93	216-B-3	CATTAIL	CESIUM-137	2.610	.260	J	pCi/g
B08YN1	9/17/93	216-B-3	INSECTS	CESIUM-137	6.730	.670	J	pCi/g
B08YK1	8/20/93	216-B-3	RODENT	CESIUM-137	.110	.070	J	pCi/g
B08YL2	8/24/93	216-B-3	RODENT	CESIUM-137	.110	.080	J	pCi/g
B08YG5	8/02/93	216-B-3	SOIL	CESIUM-137	.323	.033	J	pCi/g
B08YG6	8/02/93	216-B-3	SOIL	CESIUM-137	.648	.065	J	pCi/g
B08YG7	8/02/93	216-B-3	SOIL	CESIUM-137	1.030	.100	J	pCi/g
B08YG8	8/02/93	216-B-3	SOIL	CESIUM-137	1.090	.110	J	pCi/g
B08YH0	8/02/93	216-B-3	BULRUSH	POTASSIUM-40	16.600	1.700		pCi/g
B08YG9	8/02/93	216-B-3	CATTAIL	POTASSIUM-40	2.870	.640	J	pCi/g
B08YH1	8/02/93	216-B-3	CATTAIL	POTASSIUM-40	9.380	1.490	J	pCi/g
B08YN1	9/17/93	216-B-3	INSECTS	POTASSIUM-40	5.630	1.680	J	pCi/g
B08YG5	8/02/93	216-B-3	SOIL	POTASSIUM-40	19.600	2.000	J	pCi/g
B08YG6	8/02/93	216-B-3	SOIL	POTASSIUM-40	21.500	2.100	J	pCi/g
B08YG7	8/02/93	216-B-3	SOIL	POTASSIUM-40	17.800	1.800	J	pCi/g
B08YG8	8/02/93	216-B-3	SOIL	POTASSIUM-40	18.600	1.900	J	pCi/g
B08YH2	8/02/93	216-B-3	WILLOW	POTASSIUM-40	11.800	1.200		pCi/g
B08YG5	8/02/93	216-B-3	SOIL	RADIUM-226	1.410	.420	J	pCi/g
B08YG6	8/02/93	216-B-3	SOIL	RADIUM-226	1.580	.530	J	pCi/g
B08YG7	8/02/93	216-B-3	SOIL	RADIUM-226	1.820	.520	J	pCi/g
B08YG8	8/02/93	216-B-3	SOIL	RADIUM-226	1.060	.380	J	pCi/g
B08YH0	8/02/93	216-B-3	BULRUSH	STRONTIUM-90	.330	.030		pCi/g
B08YG9	8/02/93	216-B-3	CATTAIL	STRONTIUM-90	.076	.017		pCi/g
B08YH1	8/02/93	216-B-3	CATTAIL	STRONTIUM-90	.064	.029		pCi/g
B08YN1	9/17/93	216-B-3	INSECTS	STRONTIUM-90	.620	.060		pCi/g
B08YG5	8/02/93	216-B-3	SOIL	STRONTIUM-90	.350	.070		pCi/g
B08YG6	8/02/93	216-B-3	SOIL	STRONTIUM-90	.970	.110		pCi/g
B08YG7	8/02/93	216-B-3	SOIL	STRONTIUM-90	.640	.090		pCi/g
B08YG8	8/02/93	216-B-3	SOIL	STRONTIUM-90	.700	.030		pCi/g
B08YH2	8/02/93	216-B-3	WILLOW	STRONTIUM-90	4.100	.100		pCi/g
B08YG5	8/02/93	216-B-3	SOIL	THORIUM-228	.877	.088	J	pCi/g
B08YG6	8/02/93	216-B-3	SOIL	THORIUM-228	1.060	.110	J	pCi/g
B08YG7	8/02/93	216-B-3	SOIL	THORIUM-228	.870	.087	J	pCi/g
B08YG8	8/02/93	216-B-3	SOIL	THORIUM-228	.819	.082	J	pCi/g
B08YG5	8/02/93	216-B-3	SOIL	THORIUM-234	1.300	.400	J	pCi/g
B08YG6	8/02/93	216-B-3	SOIL	THORIUM-234	1.500	.400	J	pCi/g

Sample Number	Date	Location	Sample Type	Parameter	Result	Error	Q	Units
B08YG7	8/02/93	216-B-3	SOIL	THORIUM-234	1.600	.600	J	pCi/g
B08YG8	8/02/93	216-B-3	SOIL	THORIUM-234	1.800	.400	J	pCi/g
B08YG5	8/02/93	216-B-3	SOIL	TOTAL URANIUM	2.590	.740	J	pCi/g
B08YG6	8/02/93	216-B-3	SOIL	TOTAL URANIUM	3.090	.890	J	pCi/g
B08YG7	8/02/93	216-B-3	SOIL	TOTAL URANIUM	3.150	1.200	J	pCi/g
B08YG8	8/02/93	216-B-3	SOIL	TOTAL URANIUM	3.630	.860	J	pCi/g
B08YJ5	8/04/93	216-T-4	CATTAIL	COBALT-60	.301	.071	J	pCi/g
B08YJ1	8/04/93	216-T-4	SOIL	COBALT-60	.879	.088	J	pCi/g
B08YJ1	8/04/93	216-T-4	SOIL	CESIUM-134	.130	.050	J	pCi/g
B08YJ4	8/04/93	216-T-4	SOIL	CESIUM-134	.042	.018	J	pCi/g
B08YJ7	8/04/93	216-T-4	BULRUSH	CESIUM-137	3.550	.350	J	pCi/g
B08YJ5	8/04/93	216-T-4	CATTAIL	CESIUM-137	8.040	.800	J	pCi/g
B08YJ6	8/04/93	216-T-4	CATTAIL	CESIUM-137	8.620	.860	J	pCi/g
B08YL3	8/24/93	216-T-4	RODENT	CESIUM-137	10.400	1.000	J	pCi/g
B08YL4	8/24/93	216-T-4	RODENT	CESIUM-137	3.380	.340	J	pCi/g
B08YL7	8/25/93	216-T-4	RODENT	CESIUM-137	2.560	.150	J	pCi/g
B08YL8	8/25/93	216-T-4	RODENT	CESIUM-137	1.140	.120	J	pCi/g
B08YJ1	8/04/93	216-T-4	SOIL	CESIUM-137	66.700	6.700	J	pCi/g
B08YJ2	8/04/93	216-T-4	SOIL	CESIUM-137	.716	.072	J	pCi/g
B08YJ3	8/04/93	216-T-4	SOIL	CESIUM-137	7.080	.710	J	pCi/g
B08YJ4	8/04/93	216-T-4	SOIL	CESIUM-137	7.200	.700	J	pCi/g
B08YJ8	8/04/93	216-T-4	WILLOW	CESIUM-137	.239	.095	J	pCi/g
B08YJ7	8/04/93	216-T-4	BULRUSH	POTASSIUM-40	16.000	1.900	J	pCi/g
B08YJ5	8/04/93	216-T-4	CATTAIL	POTASSIUM-40	7.100	.940	J	pCi/g
B08YJ6	8/04/93	216-T-4	CATTAIL	POTASSIUM-40	2.600	.620	J	pCi/g
B08YN2	9/17/93	216-T-4	INSECTS	POTASSIUM-40	10.500	1.700	J	pCi/g
B08YJ1	8/04/93	216-T-4	SOIL	POTASSIUM-40	20.100	2.000	J	pCi/g
B08YJ2	8/04/93	216-T-4	SOIL	POTASSIUM-40	15.800	1.600	J	pCi/g
B08YJ3	8/04/93	216-T-4	SOIL	POTASSIUM-40	14.700	1.500	J	pCi/g
B08YJ4	8/04/93	216-T-4	SOIL	POTASSIUM-40	16.000	2.000	J	pCi/g
B08YJ8	8/04/93	216-T-4	WILLOW	POTASSIUM-40	7.810	1.260	J	pCi/g
B08YJ1	8/04/93	216-T-4	SOIL	RADIUM-226	2.150	1.240	J	pCi/g
B08YJ2	8/04/93	216-T-4	SOIL	RADIUM-226	1.390	.350	J	pCi/g
B08YJ3	8/04/93	216-T-4	SOIL	RADIUM-226	1.240	.440	J	pCi/g
B08YJ4	8/04/93	216-T-4	SOIL	RADIUM-226	1.100	.400	J	pCi/g
B08YJ7	8/04/93	216-T-4	BULRUSH	STRONTIUM-90	.300	.040		pCi/g
B08YJ5	8/04/93	216-T-4	CATTAIL	STRONTIUM-90	.280	.040		pCi/g
B08YJ6	8/04/93	216-T-4	CATTAIL	STRONTIUM-90	.130	.020		pCi/g
B08YN2	9/17/93	216-T-4	INSECTS	STRONTIUM-90	.540	.070		pCi/g
B08YL3	8/24/93	216-T-4	RODENT	STRONTIUM-90	1.600	.200		pCi/g
B08YL4	8/24/93	216-T-4	RODENT	STRONTIUM-90	1.600	.200		pCi/g
B08YL5	8/24/93	216-T-4	RODENT	STRONTIUM-90	.230	.120		pCi/g
B08YL6	8/24/93	216-T-4	RODENT	STRONTIUM-90	.280	.100		pCi/g
B08YL7	8/25/93	216-T-4	RODENT	STRONTIUM-90	16.000	1.000		pCi/g
B08YJ1	8/04/93	216-T-4	SOIL	STRONTIUM-90	2.300	.200		pCi/g
B08YJ2	8/04/93	216-T-4	SOIL	STRONTIUM-90	.360	.080		pCi/g
B08YJ3	8/04/93	216-T-4	SOIL	STRONTIUM-90	1.400	.100		pCi/g

Sample Number	Date	Location	Sample Type	Parameter	Result	Error	Q	Units
B08YJ4	8/04/93	216-T-4	SOIL	STRONTIUM-90	1.500	.100		pCi/g
B08YJ8	8/04/93	216-T-4	WILLOW	STRONTIUM-90	4.200	.200		pCi/g
B08YL5	8/24/93	216-T-4	RODENT	THORIUM-228	.210	.110	J	pCi/g
B08YJ1	8/04/93	216-T-4	SOIL	THORIUM-228	.862	.123	J	pCi/g
B08YJ2	8/04/93	216-T-4	SOIL	THORIUM-228	.808	.081	J	pCi/g
B08YJ3	8/04/93	216-T-4	SOIL	THORIUM-228	.622	.062	J	pCi/g
B08YJ4	8/04/93	216-T-4	SOIL	THORIUM-228	.640	.060	J	pCi/g
B08YJ8	8/04/93	216-T-4	WILLOW	THORIUM-228	.370	.130	J	pCi/g
B08YJ2	8/04/93	216-T-4	SOIL	THORIUM-234	1.400	.400	J	pCi/g
B08YJ3	8/04/93	216-T-4	SOIL	THORIUM-234	1.300	.400	J	pCi/g
B08YJ4	8/04/93	216-T-4	SOIL	THORIUM-234	.810	.430	J	pCi/g
B08YJ2	8/04/93	216-T-4	SOIL	TOTAL URANIUM	2.870	.850	J	pCi/g
B08YJ3	8/04/93	216-T-4	SOIL	TOTAL URANIUM	2.630	.890	J	pCi/g
B08YJ4	8/04/93	216-T-4	SOIL	TOTAL URANIUM	1.600	.800	J	pCi/g
B08YL8	8/25/93	216-T-4	RODENT	ZIRCONIUM-95	.110	.090	J	pCi/g
B08YF7	7/30/93	216-U-11	S. WHEATGRASS	BERYLLIUM-7	2.020	.410		pCi/g
B08YF9	7/30/93	216-U-11	S. WHEATGRASS	BERYLLIUM-7	2.350	.430		pCi/g
B08YF8	7/30/93	216-U-11	SOIL	CESIUM-134	.050	.024	J	pCi/g
B08YG2	7/30/93	216-U-11	SOIL	CESIUM-134	.048	.022	J	pCi/g
B08YG4	7/30/93	216-U-11	SOIL	CESIUM-134	.061	.025	J	pCi/g
B08YN0	9/17/93	216-U-11	INSECTS	POTASSIUM-40	4.660	.950	J	pCi/g
B08YG1	7/30/93	216-U-11	RUSSIAN THIS.	POTASSIUM-40	47.100	4.700	J	pCi/g
B08YG3	7/30/93	216-U-11	RUSSIAN THIS.	POTASSIUM-40	58.000	5.800		pCi/g
B08YF7	7/30/93	216-U-11	S. WHEATGRASS	POTASSIUM-40	4.180	.520		pCi/g
B08YF9	7/30/93	216-U-11	S. WHEATGRASS	POTASSIUM-40	4.520	.450		pCi/g
B08YF8	7/30/93	216-U-11	SOIL	POTASSIUM-40	18.000	1.800	J	pCi/g
B08YG0	7/30/93	216-U-11	SOIL	POTASSIUM-40	19.100	1.900	J	pCi/g
B08YG2	7/30/93	216-U-11	SOIL	POTASSIUM-40	17.000	1.700	J	pCi/g
B08YG4	7/30/93	216-U-11	SOIL	POTASSIUM-40	17.100	1.700	J	pCi/g
B08YF8	7/30/93	216-U-11	SOIL	RADIUM-226	1.320	.330	J	pCi/g
B08YG0	7/30/93	216-U-11	SOIL	RADIUM-226	1.340	.390	J	pCi/g
B08YG2	7/30/93	216-U-11	SOIL	RADIUM-226	1.230	.390	J	pCi/g
B08YG4	7/30/93	216-U-11	SOIL	RADIUM-226	1.280	.330	J	pCi/g
B08YN0	9/17/93	216-U-11	INSECTS	STRONTIUM-90	.240	.090		pCi/g
B08YK7	8/20/93	216-U-11	RODENT	STRONTIUM-90	.590	.240		pCi/g
B08YK8	8/20/93	216-U-11	RODENT	STRONTIUM-90	.550	.170		pCi/g
B08YK9	8/20/93	216-U-11	RODENT	STRONTIUM-90	1.100	.200		pCi/g
B08YG1	7/30/93	216-U-11	RUSSIAN THIS.	STRONTIUM-90	.220	.020		pCi/g
B08YG3	7/30/93	216-U-11	RUSSIAN THIS.	STRONTIUM-90	.077	.016		pCi/g
B08YF7	7/30/93	216-U-11	S. WHEATGRASS	STRONTIUM-90	.023	.005		pCi/g
B08YG2	7/30/93	216-U-11	SOIL	STRONTIUM-90	.067	.041		pCi/g
B08YF9	7/30/93	216-U-11	S. WHEATGRASS	THORIUM-228	.200	.050	J	pCi/g
B08YF8	7/30/93	216-U-11	SOIL	THORIUM-228	1.050	.110	J	pCi/g
B08YG0	7/30/93	216-U-11	SOIL	THORIUM-228	.923	.092	J	pCi/g
B08YG2	7/30/93	216-U-11	SOIL	THORIUM-228	.857	.086	J	pCi/g
B08YG4	7/30/93	216-U-11	SOIL	THORIUM-228	.962	.096	J	pCi/g
B08YF8	7/30/93	216-U-11	SOIL	THORIUM-234	1.900	.400	J	pCi/g

Sample Number	Date	Location	Sample Type	Parameter	Result	Error	Q	Units
B08YG0	7/30/93	216-U-11	SOIL	THORIUM-234	1.500	.400	J	pCi/g
B08YG2	7/30/93	216-U-11	SOIL	THORIUM-234	1.000	.300	J	pCi/g
B08YG4	7/30/93	216-U-11	SOIL	THORIUM-234	1.100	.300	J	pCi/g
B08YF8	7/30/93	216-U-11	SOIL	TOTAL URANIUM	3.890	.830	J	pCi/g
B08YG0	7/30/93	216-U-11	SOIL	TOTAL URANIUM	3.040	.780	J	pCi/g
B08YG2	7/30/93	216-U-11	SOIL	TOTAL URANIUM	2.050	.690	J	pCi/g
B08YG4	7/30/93	216-U-11	SOIL	TOTAL URANIUM	2.240	.600	J	pCi/g
B08YM0	9/07/93	SADDLE LAKE	CHEATGRASS	BERYLLIUM-7	4.030	.400		pCi/g
B08YM1	9/07/93	SADDLE LAKE	WILLOW	BERYLLIUM-7	1.490	.200		pCi/g
B08YM5	9/07/93	SADDLE LAKE	SOIL	CESIUM-134	.034	.020	J	pCi/g
B08YM0	9/07/93	SADDLE LAKE	CHEATGRASS	CESIUM-137	.046	.021		pCi/g
B08YM4	9/07/93	SADDLE LAKE	SOIL	CESIUM-137	.082	.018	J	pCi/g
B08YM5	9/07/93	SADDLE LAKE	SOIL	CESIUM-137	.095	.021	J	pCi/g
B08YL9	9/07/93	SADDLE LAKE	BULRUSH	POTASSIUM-40	18.500	1.800	J	pCi/g
B08YM2	9/07/93	SADDLE LAKE	CATTAIL	POTASSIUM-40	7.150	.710		pCi/g
B08YM0	9/07/93	SADDLE LAKE	CHEATGRASS	POTASSIUM-40	5.900	.590		pCi/g
B08YN3	9/17/93	SADDLE LAKE	INSECTS	POTASSIUM-40	9.310	1.030	J	pCi/g
B08YM8	9/08/93	SADDLE LAKE	RODENT	POTASSIUM-40	3.240	.760	J	pCi/g
B08YM3	9/07/93	SADDLE LAKE	RUSSIAN THIS.	POTASSIUM-40	44.900	4.500		pCi/g
B08YM4	9/07/93	SADDLE LAKE	SOIL	POTASSIUM-40	16.600	1.700	J	pCi/g
B08YM5	9/07/93	SADDLE LAKE	SOIL	POTASSIUM-40	17.300	1.700	J	pCi/g
B08YM1	9/07/93	SADDLE LAKE	WILLOW	POTASSIUM-40	7.260	.730		pCi/g
B08YM4	9/07/93	SADDLE LAKE	SOIL	RADIUM-226	1.160	.270	J	pCi/g
B08YM5	9/07/93	SADDLE LAKE	SOIL	RADIUM-226	1.520	.300	J	pCi/g
B08YL9	9/07/93	SADDLE LAKE	BULRUSH	STRONTIUM-90	.170	.050		pCi/g
B08YM0	9/07/93	SADDLE LAKE	CHEATGRASS	STRONTIUM-90	.072	.023		pCi/g
B08YM3	9/07/93	SADDLE LAKE	RUSSIAN THIS.	STRONTIUM-90	.021	.006		pCi/g
B08YM4	9/07/93	SADDLE LAKE	SOIL	STRONTIUM-90	.099	.038		pCi/g
B08YM5	9/07/93	SADDLE LAKE	SOIL	STRONTIUM-90	.059	.038		pCi/g
B08YM1	9/07/93	SADDLE LAKE	WILLOW	STRONTIUM-90	.050	.009		pCi/g
B08YM0	9/07/93	SADDLE LAKE	CHEATGRASS	THORIUM-228	.308	.033		pCi/g
B08YM4	9/07/93	SADDLE LAKE	SOIL	THORIUM-228	.731	.073	J	pCi/g
B08YM5	9/07/93	SADDLE LAKE	SOIL	THORIUM-228	.734	.073	J	pCi/g
B08YM1	9/07/93	SADDLE LAKE	WILLOW	THORIUM-228	.059	.022		pCi/g
B08YM4	9/07/93	SADDLE LAKE	SOIL	TOTAL URANIUM	2.650	.600	J	pCi/g
B08YM5	9/07/93	SADDLE LAKE	SOIL	TOTAL URANIUM	3.400	.730	J	pCi/g

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