1-may-1999 16:04:59
0002-1

INTERIM

Interim Results for ICP/MS Actinides
233-S PCB1

CORE NUMBER: N/A
SEGMENT #: B0TW26

SEGMENT PORTION: Sump Solid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99M000095		A	Protactinium-231 by ICP/MS	ug/g	n/a	<2.86e-04	<2.97e+02	n/a	n/a	n/a	n/a	296.9	n/a
S99M000095		A	Thorium-229 by ICP/MS	ug/g	n/a	<3.39e-04	<3.51e+02	n/a	n/a	n/a	n/a	351.4	n/a
S99M000095		A	Thorium-230 by ICP/MS	ug/g	n/a	<2.75e-04	<2.85e+02	n/a	n/a	n/a	n/a	285.3	n/a
S99M000095		A	Thorium-232 by ICP/MS	ug/g	101.0	<2.34e-04	<2.42e+02	n/a	n/a	n/a	n/a	242.2	n/a
S99M000095		A	Neptunium-237 by ICP/MS	ug/g	131.1	<1.23e-04	8.36e+02	n/a	n/a	n/a	n/a	127.7	n/a
S99M000095		A	Plutonium-239 by ICP/MS	ug/g	124.5	<1.39e-04	2.49e+04	n/a	n/a	n/a	n/a	144.3	n/a
S99M000095		A	Plutonium-240 by ICP/MS	ug/g	n/a	<1.11e-04	2.86e+04	n/a	n/a	n/a	n/a	114.9	n/a
S99M000095		A	Plutonium-242 by ICP/MS	ug/g	n/a	<1.02e-04	1.8[illegible]	n/a	n/a	n/a	n/a	105.5	n/a
S99M000095		A	Pu/Am-241 by ICP/MS	ug/g	135.5	<7.26e-05	[illegible]	n/a	n/a	n/a	n/a	75.24	n/a
S99M000095		A	Am 243/Cm 243 by ICP/MS	ug/g	n/a	<5.27e-05	[illegible]	n/a	n/a	n/a	n/a	54.68	n/a
S99M000095		A	Pu 244/Cm 244 by ICP/MS	ug/g	n/a	<1.12e-04	[illegible]	n/a	n/a	n/a	n/a	116.5	n/a

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B99-024

18-may-1999 16:01:58
-0002-1

INTERIM

Interim Results for ICP/MS Actinides
233-S

CORE NUMBER: n/a
SEGMENT #: BOTW29
SEGMENT PORTION: Pipe Leachate

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99N000083		A	Protactinium-231 by ICP/MS	ug/mL	n/a	<8.04e-06	<8.12e-06	n/a	n/a	n/a	n/a	8.12e-06	n/a
S99N000083		A	Thorium-229 by ICP/MS	ug/mL	n/a	<2.98e-05	<3.01e-03	n/a	n/a	n/a	n/a	3.00e-03	n/a
S99N000083		A	Thorium-230 by ICP/MS	ug/mL	n/a	<2.99e-05	<3.02e-03	n/a	n/a	n/a	n/a	3.00e-03	n/a
S99N000083		A	Thorium-232 by ICP/MS	ug/mL	100.0	<2.97e-05	<3.00e-03	n/a	n/a	n/a	n/a	3.00e-03	n/a
S99N000083		A	Neptunium-237 by ICP/MS	ug/mL	133.1	<2.34e-05	3.90e-03	[illegible]	n/a	n/a	n/a	2.00e-03	n/a
S99N000083		A	Plutonium-239 by ICP/MS	ug/mL	129.5	<2.69e-05	2.703	[illegible]	n/a	n/a	n/a	3.00e-03	n/a
S99N000083		A	Plutonium-240 by ICP/MS	ug/mL	n/a	<1.50e-05	2.46[illegible]	[illegible]	n/a	n/a	n/a	2.00e-03	n/a
S99N000083		A	Plutonium-242 by ICP/MS	ug/mL	n/a	<1.01e-05	1.0[illegible]	[illegible]	n/a	n/a	n/a	1.00e-03	n/a
S99N000083		A	Pu/Am-241 by ICP/MS	ug/mL	146.2	<2.07e-05	[illegible]	[illegible]	n/a	n/a	n/a	2.00e-03	n/a
S99N000083		A	Am 243/Cm 243 by ICP/MS	ug/mL	n/a	<5.43e-06	[illegible]	[illegible]	n/a	n/a	n/a	5.48e-04	n/a
S99N000083		A	Pu 244/Cm 244 by ICP/MS	ug/mL	n/a	<2.12e-05	[illegible]	[illegible]	n/a	n/a	n/a	2.00e-03	n/a

INTERIM

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QUICK TURN DATA

INTERIM

3-may-1999 16:05:11
-0002-1

Interim Results for ICP/MS Actinides
233-S PCB1

CORE NUMBER: N/A
SEGMENT #: Composite B0TW25/28
SEGMENT PORTION: Composite B0TW25/28

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99N000096		A	Protactinium-231 by ICP/MS	ug/g	n/a	<2.86e-04	<5.04e-01	n/a	n/a	n/a	n/a	5.04e-01	n/a
S99N000096		A	Thorium-229 by ICP/MS	ug/g	n/a	<3.39e-04	<5.97e-01	n/a	n/a	n/a	n/a	5.97e-01	n/a
S99N000096		A	Thorium-230 by ICP/MS	ug/g	n/a	<2.75e-04	<4.84e-01	n/a	n/a	n/a	n/a	4.84e-01	n/a
S99N000096		A	Thorium-232 by ICP/MS	ug/g	101.0	<2.34e-04	9.68e-01	[illegible]	n/a	n/a	n/a	4.11e-01	n/a
S99N000096		A	Neptunium-237 by ICP/MS	ug/g	131.1	<1.23e-04	12.27	[illegible]	n/a	n/a	n/a	2.17e-01	n/a
S99N000096		A	Plutonium-239 by ICP/MS	ug/g	124.5	<1.39e-04	8.03e+02	[illegible]	n/a	n/a	n/a	2.45e-01	n/a
S99N000096		A	Plutonium-240 by ICP/MS	ug/g	n/a	<1.11e-04	[illegible]	[illegible]	n/a	n/a	n/a	1.95e-01	n/a
S99N000096		A	Plutonium-242 by ICP/MS	ug/g	n/a	<1.02e-04	[illegible]	[illegible]	n/a	n/a	n/a	1.79e-01	n/a
S99N000096		A	Pu/Am-241 by ICP/MS	ug/g	135.5	<7.26e-05	[illegible]	[illegible]	n/a	n/a	n/a	1.28e-01	n/a
S99N000096		A	Am 243/Cm 243 by ICP/MS	ug/g	n/a	<5.27e-05	[illegible]	[illegible]	n/a	n/a	n/a	9.30e-02	n/a
S99N000096		A	Pu 244/Cm 244 by ICP/MS	ug/g	n/a	<1.12e-04	[illegible]	[illegible]	n/a	n/a	n/a	1.98e-01	n/a

INTERIM

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QUICK TURN DATA

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233-S Pu Concentration Facility Samples - SDG3

East Duct Coupon
B0TW23

JUL 1999
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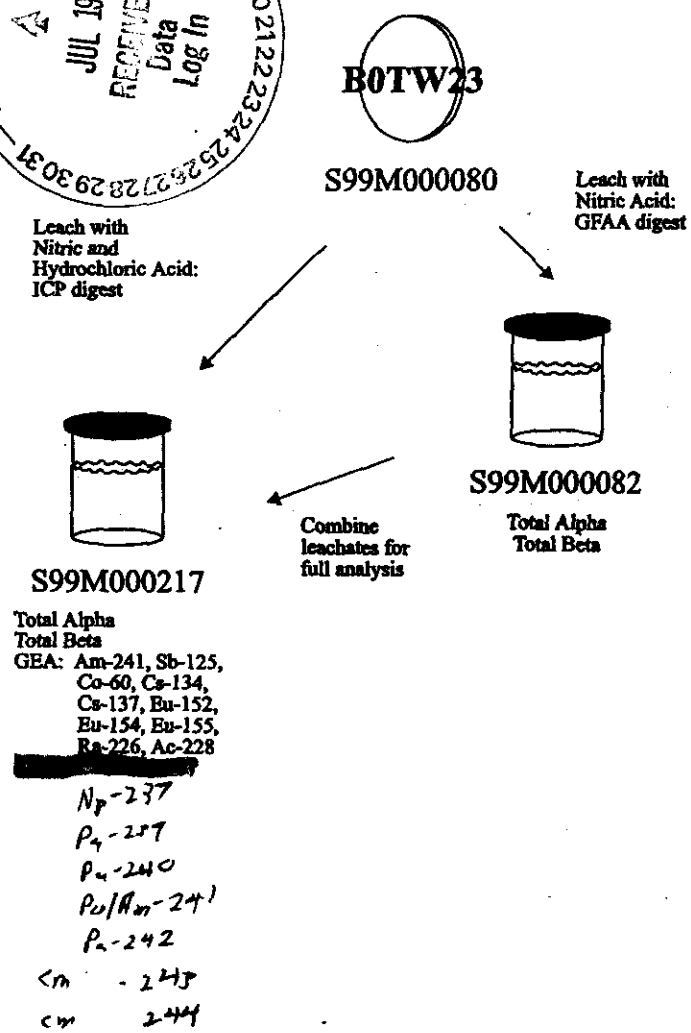

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SAMPLE INQUIRY

Company Name: Bechtel

Project Code: 233-S
Group # : 99000075

Sample ID: 233-S [redacted] ACID LEACH (ICP)

Sample #: S99M000217

EAST DUCT COUPON

Parameter	Rep	Result	Unit	Date	Analyst
Alpha in Liquid Samples	0	1.23E+01	uCi/mL	06/24/99	scl
Alpha Liq.- Rel. % Count Error	0	1.34E+00	% Ct. Error	06/24/99	scl
Beta in Liquid Samples	0	7.21E-01	uCi/mL	06/24/99	scl
Beta Liq.- Rel. % Count Error	0	5.54E+00	% Ct. Error	06/24/99	scl
Sodium-22 by GEA	0	< 4.381e-05	uCi/mL	06/30/99	gll
Na-22 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Sodium-24 by GEA	0	< 4.276e-05	uCi/mL	06/30/99	gll
Na-24 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Potassium-40 by GEA	0	< 1.781e-03	uCi/mL	06/30/99	gll
K-40 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Cobalt-56 by GEA	0	< 4.290e-05	uCi/mL	06/30/99	gll
Co-56 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Cobalt-57 by GEA	0	< 2.934e-05	uCi/mL	06/30/99	gll
Co-57 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Cobalt-60 by GEA	0	< 4.162e-05	uCi/mL	06/30/99	gll
Co-60 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Selenium-75 by GEA	0	< 4.948e-05	uCi/mL	06/30/99	gll
Se-75 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Strontium-85 by GEA	0	< 4.560e-05	uCi/mL	06/30/99	gll
Sr-85 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Yttrium-88 by GEA	0	< 3.758e-05	uCi/mL	06/30/99	gll
Y-88 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Niobium-94 by GEA	0	< 4.153e-05	uCi/mL	06/30/99	gll
Nb-94 GEA Rel % Counting Error	0	n/a	% Ct. Error	06/30/99	gll
Zr/Nb-95 by GEA	0	< 1.780e-04	uCi/mL	06/30/99	gll
Zr/Nb-95 GEA Rel % Count. Err	0	n/a	% Ct. Error	06/30/99	gll
Ruthenium-103 by GEA	0	< 4.068e-05	uCi/mL	06/30/99	gll
Ru-103 GEA Rel % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Ru/Rh-106 by GEA	0	< 7.663e-04	uCi/mL	06/30/99	gll
Ru/Rh-106 GEA Rel. % Count Err	0	n/a	% Ct. Error	06/30/99	gll
Cadmium-109 by GEA	0	< 1.191e-03	uCi/mL	06/30/99	gll
Cd-109 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Tin-113 by GEA	0	< 5.613e-05	uCi/mL	06/30/99	gll
Sn-113 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Antimony-125 by GEA	0	< 1.236e-04	uCi/mL	06/30/99	gll
Sb-125 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Iodine-131 by GEA	0	< 4.027e-05	uCi/mL	06/30/99	gll
I-131 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Cesium-134 by GEA	0	< 3.895e-05	uCi/mL	06/30/99	gll
Cs-134 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Cesium-137 by GEA	0	2.120e-03	uCi/mL	06/30/99	gll
Cs-137 GEA Rel. % Count Error	0	4.15	% Ct. Error	06/30/99	gll
Ce/Pr-144 by GEA	0	< 3.970e-04	uCi/mL	06/30/99	gll
Ce/Pr-144 GEA Rel % Count Err	0	n/a	% Ct. Error	06/30/99	gll
Europium-152 by GEA	0	< 8.774e-05	uCi/mL	06/30/99	gll
Eu-152 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Europium-154 by GEA	0	< 1.272e-04	uCi/mL	06/30/99	gll
Eu-154 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll

SAMPLE INQUIRY

Company Name: Bechtel BOTW023 Project Code: 233-S
Group # : 99000075

Europium-155 by GEA	0	< 1.402e-04	uCi/mL	06/30/99	gll
Eu-155 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Mercury-203 by GEA	0	< 3.695e-05	uCi/mL	06/30/99	gll
Hg-203 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Thallium-208 by GEA	0	< 4.639e-04	uCi/mL	06/30/99	gll
Tl-208 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Bismuth-212 by GEA	0	< 6.313e-04	uCi/mL	06/30/99	gll
Bi-212 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Lead-212 by GEA	0	< 7.247e-05	uCi/mL	06/30/99	gll
Pb-212 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Bismuth-214 by GEA	0	< 1.218e-04	uCi/mL	06/30/99	gll
Bi-214 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Lead-214 by GEA	0	< 4.333e-04	uCi/mL	06/30/99	gll
Pb-214 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Radium-224 by GEA	0	< 7.579e-04	uCi/mL	06/30/99	gll
Ra-224 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Radium-226 by GEA	0	< 7.477e-04	uCi/mL	06/30/99	gll
Ra-226 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Actinium-228 by GEA	0	< 2.314e-04	uCi/mL	06/30/99	gll
Ac-228 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Thorium-228 by GEA	0	< 3.691e-03	uCi/mL	06/30/99	gll
Th-228 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Thorium-229 by GEA	0	< 1.691e-04	uCi/mL	06/30/99	gll
Th-229 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Uranium/Thorium-233 by GEA	0	< 2.527e-02	uCi/mL	06/30/99	gll
U/Th-233 GEA Rel % Count Err	0	n/a	% Ct. Error	06/30/99	gll
Protactinium-233 by GEA	0	2.340e+04	uCi/mL	06/30/99	gll
Pa-233 GEA Rel % Counting Err	0	32.2	% Ct. Error	06/30/99	gll
Protactinium-234m by GEA	0	< 6.876e-03	uCi/mL	06/30/99	gll
Pa-234m GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Thorium-234 by GEA	0	< 2.927e-03	uCi/mL	06/30/99	gll
Th-234 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Uranium-235 by GEA	0	< 4.561e-05	uCi/mL	06/30/99	gll
U-235 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Neptunium-237 by GEA	0	< 3.720e-04	uCi/mL	06/30/99	gll
Np-237 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Neptunium-239 by GEA	0	< 1.303e-04	uCi/mL	06/30/99	gll
Np-239 GEA Rel % Counting Err	0	n/a	% Ct. Error	06/30/99	gll
Plutonium-239 by GEA	0	9.240e+00	uCi/mL	06/30/99	gll
Pu-239 GEA Rel % Counting Err	0	4.60	% Ct. Error	06/30/99	gll
Americium-241 by GEA	0	1.990e+00	uCi/mL	06/30/99	gll
Am-241 GEA Rel. % Count Error	0	0.230	% Ct. Error	06/30/99	gll
Americium-243 by GEA	0	< 1.043e-04	uCi/mL	06/30/99	gll
Am-243 GEA Rel. % Count Error	0	n/a	% Ct. Error	06/30/99	gll
Protactinium-231 by ICP/MS	0		ug/mL		xxx
Thorium-229 by ICP/MS	0		ug/mL		xxx
Thorium-230 by ICP/MS	0		ug/mL		xxx
Thorium-232 by ICP/MS	0		ug/mL		xxx
Neptunium-237 by ICP/MS	0		ug/mL		xxx
Plutonium-239 by ICP/MS	0		ug/mL		xxx
Plutonium-240 by ICP/MS	0		ug/mL		xxx
Plutonium-242 by ICP/MS	0		ug/mL		xxx
Pu/Am-241 by ICP/MS	0		ug/mL		xxx

SAMPLE INQUIRY

Company Name: Bechtel BOTW223

Project Code: 233-S
Group # : 99000075

Am 243/Cm 243 by ICP/MS	0		ug/mL		xxx
Pu 244/Cm 244 by ICP/MS	0		ug/mL		xxx
Acid Dig.ICP/AA/Radchem Aliq.	0	100	DF	05/27/99	tam2
Dose Rate(samp prep)in mrad/hr	0	<0.5	mrad/hour	05/27/99	tam2

B99-024

FAX COVER SHEET

Date: May 12, 1999

Page 1 of 5 Pages (Coversheet included)

Fax Number To:	Fax Number From:
372-9487	(509)372-1878
Name:	**Name:**
Steve Trent	Ruth Esch
Phone Number/Location:	**Phone Number/Location:**
372-9651	373-4314
Organization:	**Organization:**
ERC	Waste Management Hanford 222-S Production Management

Message

Steve,

The following pages present the Interim Data Report for 233-S SDG2 samples. All analytes except for ICP/MS are included. The actinides by ICP/MS will be reported next week.

Ruth E

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Data
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INTERIM

Interim Data Report
233-S PC81

CORE NUMBER: N/A
SEGMENT #: B0TW26

SEGMENT PORTION: Sump Solid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99W000089			pH on SST Samples	pH	n/a	n/a	5.220	n/a	n/a	n/a	n/a	1.00e-02	n/a
S99W000092			Aroclor-1016	ug/Kg	n/a	<100.0	<6.50e+03	n/a	n/a	n/a	n/a	6.50e+03	n/a
S99W000092			Aroclor-1221	ug/Kg	n/a	<200.0	<1.30e+04	n/a	n/a	n/a	n/a	1.30e+04	n/a
S99W000092			Aroclor-1232	ug/Kg	n/a	<100.0	<6.50e+03	n/a	n/a	n/a	n/a	6.50e+03	n/a
S99W000092			Aroclor-1242	ug/Kg	n/a	<100.0	<6.50e+03	n/a	n/a	n/a	n/a	6.50e+03	n/a
S99W000092			Aroclor-1248	ug/Kg	n/a	<100.0	<6.50e+03	n/a	n/a	n/a	n/a	6.50e+03	n/a
S99W000092			Aroclor-1254	ug/Kg	114.2	<100.0	1.12e+[illegible]	n/a	n/a	n/a	n/a	6.50e+03	n/a
S99W000092			Aroclor-1260	ug/Kg	n/a	<100.0	<6.50e+03	n/a	n/a	n/a	n/a	6.50e+03	n/a
S99W000092			Tetrachloro-m-xylene Surr	ug/Kg	92.50	90.00	6.50e+03	n/a	n/a	n/a	n/a	6.50e+03	n/a
S99W000092			Decachlorobiphenyl Surr	ug/Kg	109.0	105.2	6.50e+03	n/a	n/a	n/a	n/a	6.50e+03	n/a
S99W000094	W		Fluoride-IC-Dionex 4000/4500	ug/g	100.2	<1.28e+02	23.36	n/a	n/a	n/a	n/a	23.36	n/a
S99W000094	W		Chloride-IC-Dionex 4000/4500	ug/g	104.7	<[illegible]	8.[illegible]e+03	n/a	n/a	n/a	n/a	33.10	n/a
S99W000094	W		Nitrite-IC - Dionex 4000/4500	ug/g	100.0	[illegible].40e-[illegible]	<2.[illegible]e+02	n/a	n/a	n/a	n/a	210.3	n/a
S99W000094	W		Nitrate by IC-Dionex 4000/4500	ug/g	97.26	[illegible].39e-[illegible]	7.68e+[illegible]	n/a	n/a	n/a	n/a	270.6	n/a
S99W000094	W		Phosphate-IC-Dionex 4000/4500	ug/g	[illegible]2.8	[illegible]e-01	[illegible]34e+02	n/a	n/a	n/a	n/a	233.6	n/a
S99W000094	W		Sulfate by IC-Dionex 4000/4500	ug/g	104.5	<[illegible]e-01	[illegible]2e+03	n/a	n/a	n/a	n/a	268.6	n/a
S99W000094	W		Oxalate-IC-Dionex 4000/4500	ug/g	101.[illegible]	<1.[illegible]e-01	1.15e+03	n/a	n/a	n/a	n/a	204.4	n/a
S99W000095	A		Pu-239/240 by TRU-SPEC Resin	uCi/g	130.[illegible]	<[illegible]00	2.06e+03	n/a	n/a	n/a	n/a	143.0	2.10E+00
S99W000095	A		Pu-238 by Ion Exchange	uCi/g	[illegible]/a	<55.00	6.18e+02	n/a	n/a	n/a	n/a	143.0	2.94E+00
S99W000095	A		Np237 by TTA Extraction	uCi/g	15	[illegible]0e-04	5.88e-01	n/a	n/a	n/a	n/a	9.53e-04	1.43E+00
S99W000095	A		Neptunium-237 by ICP/MS	ug/g	[illegible]	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000095	A		Plutonium-239 by ICP/MS	ug/g	[illegible]	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000095	A		Plutonium-240 by ICP/MS	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000095	A		Plutonium-242 by ICP/MS	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000095	A		Pu/Am-241 by ICP/MS	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000095	A		Am 243/Cm 243 by ICP/[illegible]	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000095	A		Pu 244/Cm 244 by ICP/[illegible]	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000095	A		Cobalt-60 by GEA	uCi/g	107.4	<1.27e-03	<1.62e-03	n/a	n/a	n/a	n/a	2.00e-03	n/a
S99W000095	A		Cesium-137 by GEA	uCi/g	99.68	<2.20e-03	7.19e-03	n/a	n/a	n/a	n/a	n/a	37.1
S99W000095	A		Europium-152 by GEA	uCi/g	n/a	<3.14e-03	<1.28e-02	n/a	n/a	n/a	n/a	1.30e-02	n/a
S99W000095	A		Europium-154 by GEA	uCi/g	n/a	<5.08e-03	<4.54e-03	n/a	n/a	n/a	n/a	5.00e-03	n/a
S99W000095	A		Europium-155 by GEA	uCi/g	n/a	<3.84e-03	<4.46e-02	n/a	n/a	n/a	n/a	4.50e-02	n/a
S99W000095	A		Radium-226 by GEA	uCi/g	n/a	<2.67e-02	<5.05e-02	n/a	n/a	n/a	n/a	5.00e-02	n/a
S99W000095	A		Americium-241 by GEA	uCi/g	n/a	<8.48e-03	1.17e+03	n/a	n/a	n/a	n/a	n/a	0.0700
S99W000095	A		Am-241 by Extraction	uCi/g	100.0	<66.90	1.30e+03	n/a	n/a	n/a	n/a	142.0	2.42E+00
S99W000095	A		Cm-243/244 by Extraction	uCi/g	n/a	<66.90	<1.42e+02	n/a	n/a	n/a	n/a	142.0	1.00E+02
S99W000095	A		Alpha of Digested Solid	uCi/g	91.19	<6.25e-01	3.37e+03	n/a	n/a	n/a	n/a	7.42e-01	7.12E-01
S99W000095	A		Beta of Solid Sample	uCi/g	103.1	3.960	6.63e+02	n/a	n/a	n/a	n/a	2.090	1.28E+00
S99W000097	T		Mercury by CVAA (PE) with FIAS	ug/mL	1.82	<1.40e-03	2.78e-02	n/a	n/a	n/a	n/a	1.00e-03	n/a
S99W000099	C		Silver -ICP-TCLP Digest-Liquid	ug/mL	81.00	<1.00e-02	4.89e-02	n/a	n/a	n/a	n/a	2.50e-02	n/a
S99W000099	C		Arsenic -ICP-TCLP Digest-Liq	ug/mL	90.20	<1.00e-01	<2.50e-01	n/a	n/a	n/a	n/a	2.50e-01	n/a
S99W000099	C		Barium -ICP-TCLP Digest-Liquid	ug/mL	57.61	<5.00e-02	1.79e-01	n/a	n/a	n/a	n/a	1.25e-01	n/a
S99W000099	C		Cadmium -ICP-TCLP Digest-Liq	ug/mL	88.70	<5.00e-03	3.46e-01	n/a	n/a	n/a	n/a	1.30e-02	n/a
S99W000099	C		Chromium -ICP-TCLP Digest-Liq	ug/mL	37.93	<1.00e-02	7.040	n/a	n/a	n/a	n/a	2.50e-02	n/a

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Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99N000099		C	Lead -ICP-TCLP Digest-Liquid	ug/mL	79.11	<1.00e-01	<2.50e-01	n/a	n/a	n/a	n/a	2.50e-01	n/a
S99N000099		C	Selenium -ICP-TCLP Digest-Liq	ug/mL	94.80	<1.00e-01	<2.50e-01	n/a	n/a	n/a	n/a	2.50e-01	n/a

INTERIM

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INTERIM

Interim Data Report
233-S PCB1

CORE NUMBER: N/A
SEGMENT #: Composite BOTW25/28

SEGMENT PORTION: Composite BOTW25/28

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99W000093			Aroclor-1016	ug/Kg	n/a	<100.0	<5.88e+03	n/a	n/a	n/a	n/a	5.88e+03	n/a
S99W000093			Aroclor-1221	ug/Kg	n/a	<200.0	<1.18e+04	n/a	n/a	n/a	n/a	1.18e+04	n/a
S99W000093			Aroclor-1232	ug/Kg	n/a	<100.0	<5.88e+03	n/a	n/a	n/a	n/a	5.88e+03	n/a
S99W000093			Aroclor-1242	ug/Kg	n/a	<100.0	<5.88e+03	n/a	n/a	n/a	n/a	5.88e+03	n/a
S99W000093			Aroclor-1248	ug/Kg	n/a	<100.0	<5.88e+03	n/a	n/a	n/a	n/a	5.88e+03	n/a
S99W000093			Aroclor-1254	ug/Kg	114.2	<100.0	4.50e+04	n/a	n/a	n/a	n/a	5.88e+03	n/a
S99W000093			Aroclor-1260	ug/Kg	n/a	<100.0	<5.88e+03	n/a	n/a	n/a	n/a	5.88e+03	n/a
S99W000093			Tetrachloro-m-xylene Surr	ug/Kg	92.50	90.00	<5.88e+03	n/a	n/a	n/a	n/a	5.88e+03	n/a
S99W000093			Decachlorobiphenyl Surr	ug/Kg	109.0	105.2	5.88e+03	n/a	n/a	n/a	n/a	5.88e+03	n/a
S99W000096		A	Pu-239/240 by TRU-SPEC Resin	uCi/g	110.3	<55.00	55.80	n/a	n/a	n/a	n/a	3.330	1.97E+00
S99W000096		A	Pu-238 by Ion Exchange	uCi/g	n/a	<55.00	3.330	n/a	n/a	n/a	n/a	3.330	5.80E+00
S99W000096		A	Neptunium-237 by ICP/MS	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000096		A	Plutonium-239 by ICP/MS	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000096		A	Plutonium-240 by ICP/MS	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000096		A	Plutonium-242 by ICP/MS	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000096		A	Pu/Am-241 by ICP/MS	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000096		A	Am 243/Cm 243 by ICP/MS	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000096		A	Pu 244/Cm 244 by ICP/MS	ug/g	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99W000096		A	Cobalt-60 by GEA	uCi/g	107.4	<1.27e-03	<8.04e-04	n/a	n/a	n/a	n/a	8.04e-04	n/a
S99W000096		A	Cesium-137 by GEA	uCi/g	99.68	<2.20e-03	<1.18e-03	n/a	n/a	n/a	n/a	1.00e-03	n/a
S99W000096		A	Europium-152 by GEA	uCi/g	n/a	<3.14e-03	<1.80e-03	n/a	n/a	n/a	n/a	2.00e-03	n/a
S99W000096		A	Europium-154 by GEA	uCi/g	n/a	<5.08e-03	<1.99e-03	n/a	n/a	n/a	n/a	2.00e-03	n/a
S99W000096		A	Europium-155 by GEA	uCi/g	n/a	<3.84e-03	3.96e-03	n/a	n/a	n/a	n/a	n/a	38.3
S99W000096		A	Radium-226 by GEA	uCi/g	n/a	<2.67e-02	<1.46e-02	n/a	n/a	n/a	n/a	1.50e-02	n/a
S99W000096		A	Americium-241 by GEA	uCi/g	n/a	<8.48e-03	10.84	n/a	n/a	n/a	n/a	n/a	0.590
S99W000096		A	Am-241 by Extraction	uCi/g	100.0	<66.90	12.40	n/a	n/a	n/a	n/a	2.310	2.93E+00
S99W000096		A	Cm-243/244 by Extraction	uCi/g	n/a	<66.90	< 2.310	n/a	n/a	n/a	n/a	2.310	1.00E+02
S99W000096		A	Alpha of Digested Solid	uCi/g	91.19	<6.25e-01	55.40	n/a	n/a	n/a	n/a	7.00e-03	5.61E-01
S99W000096		A	Beta of Solid Sample	uCi/g	103.1	3.960	8.690	n/a	n/a	n/a	n/a	2.10e-02	1.12E+00
S99W000098		T	Mercury by CVAA (PE with HS	ug/mL	1.82	<1.40e-03	1.46e-02	n/a	n/a	n/a	n/a	1.00e-03	n/a
S99W000100		C	Silver -ICP-TCLP Digest-Liquid	ug/mL	81.00	<1.00e-02	<5.00e-02	n/a	n/a	n/a	n/a	5.00e-02	n/a
S99W000100		C	Arsenic -ICP-TCLP Digest-Liq	ug/mL	90.20	<1.00e-01	<5.00e-01	n/a	n/a	n/a	n/a	5.00e-01	n/a
S99W000100		C	Barium -ICP-TCLP Digest-Liquid	ug/mL	57.61	<5.00e-02	3.39e-01	n/a	n/a	n/a	n/a	2.50e-01	n/a
S99W000100		C	Cadmium -ICP-TCLP Digest-Liq	ug/mL	88.70	<5.00e-03	2.43e-01	n/a	n/a	n/a	n/a	2.50e-02	n/a
S99W000100		C	Chromium -ICP-TCLP Digest-Liq	ug/mL	37.93	<1.00e-02	6.20e-01	n/a	n/a	n/a	n/a	5.00e-02	n/a
S99W000100		C	Lead -ICP-TCLP Digest-Liquid	ug/mL	79.11	<1.00e-01	<5.00e-01	n/a	n/a	n/a	n/a	5.00e-01	n/a
S99W000100		C	Selenium -ICP-TCLP Digest-Liq	ug/mL	94.80	<1.00e-01	<5.00e-01	n/a	n/a	n/a	n/a	5.00e-01	n/a

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INTERIM

Interim Data Report
233-S

CORE NUMBER: n/a
SEGMENT #: B0TW29

SEGMENT PORTION: Pipe Leachate

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99M000083			Pu-239/240 by TRU-SPEC Resin	uCi/mL	109.5	<2.63e-03	1.87e-01	n/a	n/a	n/a	n/a	1.10e-02	1.89E+00
S99M000083			Pu-238 by Ion Exchange	uCi/mL	n/a	<2.63e-03	3.01e-02	n/a	n/a	n/a	n/a	1.10e-02	2.98E+00
S99M000083			Np237 by TTA Extraction	uCi/mL	89.18	<1.98e-05	<1.98e-05	n/a	n/a	n/a	n/a	4.15e-05	2.45E+02
S99M000083		A	Neptunium-237 by ICP/MS	ug/mL	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99M000083		A	Plutonium-239 by ICP/MS	ug/mL	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99M000083		A	Plutonium-240 by ICP/MS	ug/mL	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99M000083		A	Plutonium-242 by ICP/MS	ug/mL	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99M000083		A	Pu/Am-241 by ICP/MS	ug/mL	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99M000083		A	Am 243/Cm 243 by ICP/MS	ug/mL	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99M000083		A	Pu 244/Cm 244 by ICP/MS	ug/mL	n/a	n/a		n/a	n/a	n/a	n/a	5.00e-05	n/a
S99M000083			Cobalt-60 by GEA	uCi/mL	107.2	<9.29e-06	[illegible]	n/a	n/a	n/a	n/a	1.00e-05	n/a
S99M000083			Cesium-137 by GEA	uCi/mL	103.9	[illegible]	[illegible]	n/a	n/a	n/a	n/a	n/a	8.09
S99M000083			Europium-152 by GEA	uCi/mL	n/a	[illegible]	<1.[illegible]05	n/a	n/a	n/a	n/a	1.59e-05	n/a
S99M000083			Europium-154 by GEA	uCi/mL	n/a	[illegible]	<2.88[illegible]	n/a	n/a	n/a	n/a	2.88e-05	n/a
S99M000083			Europium-155 by GEA	uCi/mL	n/a	[illegible]	[illegible]	n/a	n/a	n/a	n/a	2.26e-05	n/a
S99M000083			Radium-226 by GEA	uCi/mL	n/a	[illegible]	[illegible]	n/a	n/a	n/a	n/a	1.51e-04	n/a
S99M000083			Americium-241 by GEA	uCi/mL	n/a	[illegible]	7.91e-02	n/a	n/a	n/a	n/a	n/a	0.540
S99M000083			Am-241 by Extraction	uCi/mL	[illegible]	[illegible]	7.84e-02	n/a	n/a	n/a	n/a	7.00e-03	2.33E+00
S99M000083			Cm-243/244 by Extraction	uCi/mL	n/a	[illegible]	<6.93e-03	n/a	n/a	n/a	n/a	7.00e-03	1.00E+02
S99M000083			Alpha in Liquid Samples	uCi/mL	[illegible]	[illegible]	2.59e-01	n/a	n/a	n/a	n/a	6.72e-05	9.19E-01
S99M000083			Beta in Liquid Samples	uCi/mL	[illegible]	[illegible]	1.82e-02	n/a	n/a	n/a	n/a	2.49e-04	2.82E+00

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S0013
B99-024

FAX COVER SHEET

Date: April 29, 1999

Page 1 of 4 Pages (Coversheet included)

Fax Number To:	Fax Number From:
372-9292	(509)372-1878
Name:	**Name:**
Steve Trent	Ruth Esch
Phone Number/Location:	**Phone Number/Location:**
372-9651	373-4314
Organization:	**Organization:**
ERC	Waste Management Hanford 222-S Analytical Production

Message

Steve,

The four pages attached present results completed to date for the second SDG from 233-S. The Np-237 analysis is in progress and the ICP/MS is under repair. The PCB extracts have just been completed and we expect to send them to WSCF tomorrow for analysis on Monday. TCLP extraction will begin next week.

Ruth E

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5/4/99

A-5000-865 (01/92) WEF189

INTERIM

Interim Results Report
233-S PCB1

CORE NUMBER: N/A
SEGMENT #: Composite BOTW25/28

SEGMENT PORTION: Composite BOTW25/28

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99W000096		A	Pu-239/240 by TRU-SPEC Resin	uCi/g	110.3	<55.00	55.60	n/a	n/a	n/a	n/a	3.330	1.97E+00
S99W000096		A	Pu-238 by Ion Exchange	uCi/g	n/a	<55.00	< 3.330	n/a	n/a	n/a	n/a	3.330	5.80E+00
S99W000096		A	Cobalt-60 by GEA	uCi/g	107.4	<1.27e-03	<8.04e-04	n/a	n/a	n/a	n/a	8.04e-04	n/a
S99W000096		A	Antimony-125 by GEA	uCi/g	n/a	<4.08e-03	<2.00e-03	n/a	n/a	n/a	n/a	2.00e-03	n/a
S99W000096		A	Cesium-134 by GEA	uCi/g	n/a	<1.46e-03	<6.98e-04	n/a	n/a	n/a	n/a	6.98e-04	n/a
S99W000096		A	Cesium-137 by GEA	uCi/g	99.68	<2.20e-03	<1.18e-03	n/a	n/a	n/a	n/a	1.00e-03	n/a
S99W000096		A	Europium-152 by GEA	uCi/g	n/a	<3.14e-03	<1.80e-03	n/a	n/a	n/a	n/a	2.00e-03	n/a
S99W000096		A	Europium-154 by GEA	uCi/g	n/a	<5.08e-03	<1.99e-03	n/a	n/a	n/a	n/a	2.00e-03	n/a
S99W000096		A	Europium-155 by GEA	uCi/g	n/a	<3.84e-03	<3.96e-03	n/a	n/a	n/a	n/a	n/a	38.3
S99W000096		A	Radium-226 by GEA	uCi/g	n/a	<2.67e-02	<1.46e-[illegible]	n/a	n/a	n/a	n/a	1.50e-02	n/a
S99W000096		A	Actinium-228 by GEA	uCi/g	n/a	<7.41e-03	<2.[illegible]2e-03	n/a	n/a	n/a	n/a	4.00e-03	n/a
S99W000096		A	Americium-241 by GEA	uCi/g	n/a	<[illegible]	[illegible].84	n/a	n/a	n/a	n/a	n/a	0.590
S99W000096		A	Am-241 by Extraction	uCi/g	100.0	<66.[illegible]	[illegible]40	n/a	n/a	n/a	n/a	2.310	2.93E+00
S99W000096		A	Cm-243/244 by Extraction	uCi/g	n/a	<66.[illegible]	2[illegible]	n/a	n/a	n/a	n/a	2.310	1.00E+02
S99W000096		A	Alpha of Digested Solid	uCi/g	[illegible]19	[illegible]	55[illegible]0	n/a	n/a	n/a	n/a	7.00e-03	5.61E-01
S99W000096		A	Beta of Solid Sample	uCi/g	103.1	[illegible]960	[illegible],690	n/a	n/a	n/a	n/a	2.10e-02	1.12E+00

INTERIM

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INTERIM

Interim Results Report
233-S PCB1

CORE NUMBER: N/A
SEGMENT #: B0TW26

SEGMENT PORTION: Sump Solid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99W000095		A	Pu-239/240 by TRU-SPEC Resin	uCi/g	110.3	<55.00	2.06e+03	n/a	n/a	n/a	n/a	143.0	2.10E+00
S99W000095		A	Pu-238 by Ion Exchange	uCi/g	n/a	<55.00	6.18e+02	n/a	n/a	n/a	n/a	143.0	2.94E+00
S99W000095		A	Cobalt-60 by GEA	uCi/g	107.4	<1.27e-03	<1.62e-03	n/a	n/a	n/a	n/a	2.00e-03	n/a
S99W000095		A	Antimony-125 by GEA	uCi/g	n/a	<4.08e-03	<4.75e-03	n/a	n/a	n/a	n/a	5.00e-03	n/a
S99W000095		A	Cesium-134 by GEA	uCi/g	n/a	<1.46e-03	<1.49e-03	n/a	n/a	n/a	n/a	1.00e-03	n/a
S99W000095		A	Cesium-137 by GEA	uCi/g	99.68	<2.20e-03	7.19e-03	n/a	n/a	n/a	n/a	n/a	37.1
S99W000095		A	Europium-152 by GEA	uCi/g	n/a	<3.14e-03	<1.28[illegible]	n/a	n/a	n/a	n/a	1.30e-02	n/a
S99W000095		A	Europium-154 by GEA	uCi/g	n/a	<5.08e-03	<4.5[illegible]	n/a	n/a	n/a	n/a	5.00e-03	n/a
S99W000095		A	Europium-155 by GEA	uCi/g	n/a	<3.84e-03	<4.46[illegible]	n/a	n/a	n/a	n/a	4.50e-02	n/a
S99W000095		A	Radium-226 by GEA	uCi/g	n/a	<2.67e-02	[illegible].05e-[illegible]	n/a	n/a	n/a	n/a	5.00e-02	n/a
S99W000095		A	Actinium-228 by GEA	uCi/g	n/a	<7.4[illegible]	[illegible]6e-0[illegible]	n/a	n/a	n/a	n/a	7.00e-03	n/a
S99W000095		A	Americium-241 by GEA	uCi/g	n/a	[illegible]	1[illegible]+03	n/a	n/a	n/a	n/a	n/a	0.0700
S99W000095		A	Am-241 by Extraction	uCi/g	100.0	<66.[illegible]	1.3[illegible]03	n/a	n/a	n/a	n/a	142.0	2.42E+00
S99W000095		A	Cm-243/244 by Extraction	uCi/g	n/a	<66.[illegible]	1.42[illegible]	n/a	n/a	n/a	n/a	142.0	1.00E+02
S99W000095		A	Alpha of Digested Solid	uCi/g	[illegible]19	[illegible]	[illegible]37e+03	n/a	n/a	n/a	n/a	7.42e-01	7.12E-01
S99W000095		A	Beta of Solid Sample	uCi/g	103.1	[illegible]960	[illegible]8e+02	n/a	n/a	n/a	n/a	2.090	1.28E+00

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Interim Results Report
233-S

CORE NUMBER: n/a
SEGMENT #: BOTW29

SEGMENT PORTION: Pipe Leachate

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99N000083			Pu-239/240 by TRU-SPEC Resin	uCi/mL	109.5	<2.63e-03	1.87e-01	n/a	n/a	n/a	n/a	1.10e-02	1.89E+00
S99N000083			Pu-238 by Ion Exchange	uCi/mL	n/a	<2.63e-03	3.01e-02	n/a	n/a	n/a	n/a	1.10e-02	2.98E+00
S99N000083			Cobalt-60 by GEA	uCi/mL	107.2	<9.29e-06	<1.00e-05	n/a	n/a	n/a	n/a	1.00e-05	n/a
S99N000083			Antimony-125 by GEA	uCi/mL	n/a	<2.46e-05	<2.53e-05	n/a	n/a	n/a	n/a	2.53e-05	n/a
S99N000083			Cesium-134 by GEA	uCi/mL	n/a	<8.34e-06	<8.74e-06	n/a	n/a	n/a	n/a	8.74e-06	n/a
S99N000083			Cesium-137 by GEA	uCi/mL	103.9	<1.32e-05	1.73e-04	n/a	n/a	n/a	n/a	n/a	8.09
S99N000083			Europium-152 by GEA	uCi/mL	n/a	<1.56e-05	<1.59e-05	n/a	n/a	n/a	n/a	1.59e-05	n/a
S99N000083			Europium-154 by GEA	uCi/mL	n/a	<2.85e-05	<2.88e-05	n/a	n/a	n/a	n/a	2.88e-05	n/a
S99N000083			Europium-155 by GEA	uCi/mL	n/a	<2.08e-05	<2.26e-05	n/a	n/a	n/a	n/a	2.26e-05	n/a
S99N000083			Radium-226 by GEA	uCi/mL	n/a	<1.43e-04	<1.51e-04	n/a	n/a	n/a	n/a	1.51e-04	n/a
S99N000083			Actinium-228 by GEA	uCi/mL	n/a	<5.13e-05	<4.94e-05	n/a	n/a	n/a	n/a	4.94e-05	n/a
S99N000083			Americium-241 by GEA	uCi/mL	n/a	[illegible]	7.39e-02	n/a	n/a	n/a	n/a	n/a	0.540
S99N000083			Am-241 by Extraction	uCi/mL	99.06	2.19e-[illegible]	7.8[illegible]02	n/a	n/a	n/a	n/a	7.00e-03	2.33E+00
S99N000083			Cm-243/244 by Extraction	uCi/mL	n/a	2.19e-[illegible]	6.93e-[illegible]	n/a	n/a	n/a	n/a	7.00e-03	1.00E+02
S99N000083			Alpha in Liquid Samples	uCi/mL	[illegible]02	[illegible]	[illegible]59e-01	n/a	n/a	n/a	n/a	6.72e-05	9.19E-01
S99N000083			Beta in Liquid Samples	uCi/mL	100.7	<[illegible]-04	[illegible]82e-02	n/a	n/a	n/a	n/a	2.49e-04	2.82E+00

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Interim Results Report
Z33-S

CORE NUMBER: n/a
SEGMENT #: B0TW23

SEGMENT PORTION: Coupon Acid Leachate

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S99N000082		G	Cobalt-60 by GEA	uCi/mL	n/a	n/a		n/a	n/a	n/a	n/a	n/a	
S99N000082		G	Antimony-125 by GEA	uCi/mL	n/a	n/a		n/a	n/a	n/a	n/a	n/a	
S99N000082		G	Cesium-134 by GEA	uCi/mL	n/a	n/a		n/a	n/a	n/a	n/a	n/a	
S99N000082		G	Cesium-137 by GEA	uCi/mL	n/a	n/a		n/a	n/a	n/a	n/a	n/a	
S99N000082		G	Europium-152 by GEA	uCi/mL	n/a	n/a		n/a	n/a	n/a	n/a	n/a	
S99N000082		G	Europium-154 by GEA	uCi/mL	n/a	n/a		n/a	n/a	n/a	n/a	n/a	
S99N000082		G	Europium-155 by GEA	uCi/mL	n/a	n/a		n/a	n/a	n/a	n/a	n/a	
S99N000082		G	Radium-226 by GEA	uCi/mL	n/a	n/a		n/a	n/a	n/a	n/a	n/a	
S99N000082		G	Actinium-228 by GEA	uCi/mL	n/a	n/a		n/a	n/a	n/a	n/a	n/a	
S99N000082		G	Americium-241 by GEA	uCi/mL	n/a	n/a		n/a	n/a	n/a	n/a	n/a	
S99N000082		G	Alpha in Liquid Samples	uCi/mL	92.34	<2.18e-03	43.10	n/a	n/a	n/a	n/a	3.00e-03	8.68E-01
S99N000082		G	Beta in Liquid Samples	uCi/mL	103.5	[illegible]	530	n/a	n/a	n/a	n/a	1.20e-02	2.05E+00

INTERIM

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