This document was too large to scan as a whole document, therefore it required breaking into smaller sections.

DOCUMENT NUMBER: SD-WM-DP-164

SECTION 1 **OF** 12

TITLE: Final Report for Tank 241BY104 Rotary Mode Cores 116 & 117 [Pgs 1 Thru 196]

DATE: 06/25/1996

ORIGINATOR: Benar CJ

CO: WHC

RECIPIENT:

CO:

REFERENCES: ECN-629043

COMPLETE

ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 629043

Proj. ECN

2. ECN Category (mark one)	3. Originator's Name, Organization, MSIN, and Telephone No.	3a. USQ Required?	4. Date
Supplemental [] Direct Revision [X] Change ECN [] Temporary [] Standby [] Supersedure [] Cancel/Void []	Cheryl J. Benar, Data Assesment & Interpretation/R2-12/372-1256	[] Yes [X] No	05-13-96
	5. Project Title/No./Work Order No. Tank 241-BY-104	6. Bldg./Sys./Fac. No. NA	7. Approval Designator Q
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11a. Modification Work	11b. Work Package No.	11c. Modification Work Complete	11d. Restored to Original Condition (Temp. or Standby ECN only)
[] Yes (fill out Blk. 11b) [X] No (NA Blks. 11b, 11c, 11d)	NA	N/A Cog. Engineer Signature & Date	N/A Cog. Engineer Signature & Date

12. Description of Change

This ECN is being generated in order to update/add additional information to the existing document.

13a. Justification (mark one)

Criteria Change	[X]	Design Improvement	[]	Environmental	[]	Facility Deactivation	[]
As-Found	[]	Facilitate Const	[]	Const. Error/Omission	[]	Design Error/Omission	[]

13b. Justification Details

This ECN will assist in the completion of the documentation process for this document.

14. Distribution (include name, MSIN, and no. of copies)

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1. ECN (use no. from pg. 1) 629043

15. Design Verification Required	16. Cost Impact				17. Schedule Impact (days)	
	ENGINEERING		CONSTRUCTION			
[] Yes	Additional	[] $	Additional	[] $	Improvement	[]
[X] No	Savings	[] $	Savings	[] $	Delay	[]

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD	[]	Seismic/Stress Analysis	[]	Tank Calibration Manual	[]
Functional Design Criteria	[]	Stress/Design Report	[]	Health Physics Procedure	[]
Operating Specification	[]	Interface Control Drawing	[]	Spares Multiple Unit Listing	[]
Criticality Specification	[]	Calibration Procedure	[]	Test Procedures/Specification	[]
Conceptual Design Report	[]	Installation Procedure	[]	Component Index	[]
Equipment Spec.	[]	Maintenance Procedure	[]	ASME Coded Item	[]
Const. Spec.	[]	Engineering Procedure	[]	Human Factor Consideration	[]
Procurement Spec.	[]	Operating Instruction	[]	Computer Software	[]
Vendor Information	[]	Operating Procedure	[]	Electric Circuit Schedule	[]
OM Manual	[]	Operational Safety Requirement	[]	ICRS Procedure	[]
FSAR/SAR	[]	IEFD Drawing	[]	Process Control Manual/Plan	[]
Safety Equipment List	[]	Cell Arrangement Drawing	[]	Process Flow Chart	[]
Radiation Work Permit	[]	Essential Material Specification	[]	Purchase Requisition	[]
Environmental Impact Statement	[]	Fac. Proc. Samp. Schedule	[]	Tickler File	[]
Environmental Report	[]	Inspection Plan	[]		[]
Environmental Permit	[]	Inventory Adjustment Request	[]		[]

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number Revision
NA		

20. Approvals

	Signature	Date		Signature	Date
OPERATIONS AND ENGINEERING			ARCHITECT-ENGINEER		
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Cog. Mgr. J. G. Kristofzski		6/24/96	QA		
QA Tzu L. Tung	Tzu L. Tung	6/24/96	Safety		
Safety			Design		
Environ.			Environ.		
Other K.E. Bell	Kevin Bell	6/24/96	Other		
Production Planning & Control A. D. Rice		6-24-96			
			DEPARTMENT OF ENERGY		
			Signature or a Control Number that tracks the Approval Signature		
			ADDITIONAL		

FINAL REPORT FOR TANK 241-BY-104, ROTARY MODE CORES 116 AND 117.

Cheryl J. Benar
Westinghouse Hanford Company, Richland, WA 99352
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FINAL REPORT FOR TANK TANK 241-BY-104, ROTARY MODE CORES 116 AND 117

Project Coordinator: CHERYL J. BENAR

Prepared for the U.S. Department of Energy
Office of Environmental Restoration
and Waste Management

by

Westinghouse Hanford Company
Box 1970
Richland, Washington

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Part II consists of pages 2-1 through 2-289, plus pages 2-126.1, and 2-4.1, 2-20.1, and 2-37 were intentionally left blank.

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NARRATIVE

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FINAL REPORT FOR TANK 241-BY-104, ROTARY MODE, CORES 116 AND 117

Summary

This is the final report for rotary mode core samples taken from risers 5 and 11A of tank 241-BY-104 (BY-104). The samples were collected from riser 5 on October 31 through November 3, 1995 and from riser 11A on November 15 and 16, 1995. The samples were received, extruded, and analyzed at the 222-S Laboratory and underwent analyses consistent with the *Tank Safety Screening Data Quality Objective* (Babad et al. 1995), *Data Requirements for the Ferrocyanide Safety Issue Developed through the Data Quality Objective Process* (Meacham et al. 1995), *Strategy for Sampling Hanford Site Tank Wastes for Development of Disposal Technology* (Kupfer et al. 1995), *Data Quality Objective to Support Resolution of the Organic Fuel Rich Tank Safety Issue* (Buckley et al. 1995), *Test Plan for Samples From Hanford Waste Tanks 241-BY-103, BY-104, BY-105, BY-106, BY-108, BY-110, TY-103, U-105, U-107, U-108, and U-109* (Meacham 1995), and *Historical Model Evaluation Data Requirements* (Simpson, McCain 1995).

The safety screening results obtained from this sampling and analysis activity, which include differential scanning calorimetry (DSC), thermogravimetric analysis (TGA), total alpha activity analysis results, and bulk density can be found in *45-Day Safety Screening Results For Tank 241-BY-104, Rotary Mode Cores 116 and 117* (Benar 1996). The labcore data summary tables included in this report compile all remaining analytical results associated with each subsegment from these core samples, as well as the data pertaining to the core composite. As the final report for tank BY-104, this document also contains the following information: chain of custody forms, photographs of the extruded samples, sample preparation data, and the raw data for all analyses. Although not included in this report, the hot cell logbook notes may be found in the *BY-104 Project Notebook* (1995).

Sample Receipt and Extrusion

Sample extrusion results can be found in *45-Day Safety Screening Results For Tank 241-BY-104, Rotary Mode Cores 116 and 117* (Benar 1996). Table 1 provides each of the tank BY-104 subsegments and core composite associated analytical sample numbers as reported in the data summary tables.

Table 1: Tank BY-104 Labcore Sample Numbers

Subsegment	Matrix	Sample Numbers			
		DIRECT ANALYSES	FUSION PREPARATION (SOLID); ACID DILUTION (LIQUID)	ACID PREPARATION	WATER PREPARATION
C116 S2 QA	SLUDGE	S95T003528	S95T003530	S95T003532	S95T003534
C116 S2 UH	SALTCAKE	S95T003529	S95T003531	N/A	S95T003536
C116 S3 LH	SALTCAKE	S95T003702	S95T003701	S95T003533	S95T003704
C116 S3 UH	SALTCAKE	S95T003703	S95T003700	N/A	S95T003705
C116 S4 QA	SLUDGE	S95T003632	S95T003649	S95T003666	S96T003683
C116 S4 QB	SLUDGE	S95T003637	S95T003650	S96T000604	S95T003684
C116 S4 QC	SLUDGE	S95T003641	S95T003651	S96T000605	S95T003685
C116 S5 QA	SLUDGE	S95T003633	S95T003652	S96T000606	S95T003686
C116 S5 QB	SLUDGE	S95T003638	S95T003653	S96T000607	S95T003687
C116 S5 QC	SLUDGE	S95T003642	S95T003654	S96T000608	S95T003688
C116 S5 QD	SLUDGE	S95T003645	S95T003655	S96T000609	S95T003689
C116 S6 QA	SLUDGE	S95T003634	S95T003656	S95T003673	S95T003690
C116 S6 QB	SLUDGE	S95T003639	S95T003657	S95T003674	S95T003691
C116 S6 QC	SLUDGE	S95T003643	S95T003658	S95T003675	S95T003692
C116 S6 QD	SLUDGE	S95T003646	S95T003659	S95T003676	S95T003693
C116 S7 QA	SLUDGE	S95T003635	S95T003660	S95T003677	S95T003694
C116 S7 QB	SLUDGE	S95T003640	S95T003661	S95T003678	S95T003695
C116 S7 QC	SLUDGE	S95T003644	S95T003662	S95T003679	S95T003696
C116 S7 QD	SLUDGE	S95T003647	S95T003663	S95T003680	S95T003697
C116 S8 QA	SLUDGE	S95T003636	S95T003664	S95T003681	S95T003698
C116 S8 QD	SLUDGE	S95T003648	S95T003665	S95T003682	S95T003699
C116 COMP	SLUDGE	S96T000372	S96T000374	N/A	S96T000373
C116 FB	LIQUID	S95T003713&1352	N/A	N/A	N/A
C117 S1 UH	SALTCAKE	S95T003764	S95T003771	N/A	S95T003772
C117 S1 DL	LIQUID	S95T003765	S95T003761	N/A	N/A
C117 S2 QA	SLUDGE	S95T003781	S95T003786	S95T003791	S95T003796
C117 S2 QD	SLUDGE	S95T003782	S95T003787	S95T003792	S95T003797
C117 S2 DL	LIQUID	S95T003774	S95T003775	N/A	N/A
C117 S3 UH	SALTCAKE	S95T003809	S95T003811	N/A	S95T003813
C117 S3 QC&D	SLUDGE	S95T003783	S95T003788	S95T003793	S95T003798
C117 S4 UH	SALTCAKE	S95T003810	S95T003812	N/A	S95T003814
C117 S5 QA	SLUDGE	S95T003784	S95T003789	S95T003794	S95T003799
C117 S5 QC	SLUDGE	S95T003785	S95T003790	S95T003795	S95T3800

C = core sample
S = segment
QA = quarter A
QB = quarter B
QC = quarter C
QD = quarter D
LH = lower half
UH = upper half
DL = drainable liquid
COMP = composite
FB = field blank

Analytical Results

TOTAL ORGANIC CARBON (TOC)

In accordance with Buckley et al. (1995), total organic carbon (TOC) analysis was performed on all sludge and liquid samples per procedure LA-342-100, Rev. C-0 (direct persulfate method). This analysis is also a secondary analysis for Babad et al. (1995) for samples exceeding the DSC notification limit.

The results ranged from 3,600 ug/g to 33,600 ug/g (dry weight basis). Sample S95T003528 exceeded the TOC limit of 30,000 ug/g (dry weight basis) and was subjected to gravimetric analysis for percent moisture, which is specified as the secondary analysis. The relative percent difference (RPD) values and the standard recoveries were within the specifications identified in the sampling and analysis plan (Benar 1995).

Statistical analyses were performed on the TOC data from tank BY-104 per the requirements of Buckley et al. (1995), which requires comparison of sample data to the applicable notification limit (e.g. less than 30,000 ug/g) with a 95% confidence level. For each sample submitted for TOC analysis, the sample mean and the upper limit (UL) to the 95% confidence interval are presented in Table 2.

TOTAL CARBON (TC)

The total carbon analysis was performed on sludge samples S95T003528, S95T003645, S95T003647, and S95T003636 using the persulfate method, procedure LA-342-100 Rev. C-0. This analysis is requested for samples exceeding the DSC notification limit of 480 J/g (Meacham 1995). Results ranged from 20,968 ug/g to 45,813 ug/g on a dry weight basis. RPD values ranged from 0.4% to 8.8% and were within the specifications identified in the sampling and analysis plan (Benar 1995).

TABLE 2: STATISTICAL ANALYSES FOR TANK 241-BY-104 TOC RESULTS

Sample #	TOC Result (Dry) ug/g	TOC Duplicate (Dry) ug/g	Mean	UL 95%
S95T003528	33,612	29,306	31,459	45,053
S95T003702	4,505	4,718	4,612	5,284
S95T003632	6,835	7,642	7,239	9,786
S95T003637	7,017	8,109	7,563	11,010
S95T003641	8,638	8,790	8,714	9,194
S95T003633	8,468	8,151	8,310	9,310
S95T003638	7,591	8,285	7,938	10,129
S95T003642	7,010	8,414	7,712	12,144
S95T003645	8,140	8,166	8,153	8,235
S95T003634	6,699	6,851	6,775	7,255
S95T003639	5,938	5,762	5,850	6,406
S95T003643	6,304	6,035	6,170	7,019
S95T003646	6,948	6,834	6,891	7,251
S95T003635	8,504	9,852	9,178	13,433
S95T003640	10,455	9,201	9,828	13,787
S95T003644	11,888	11,790	11,839	12,148
S95T003647	17,204	16,398	16,801	19,345
S95T003636	18,468	22,161	20,315	31,973
S95T003648	10,290	10,777	10,534	12,071
S95T003781	4,548	5,028	4,788	6,303
S95T003782	15,806	16,588	16,197	18,666
S95T003783	8,927	8,281	8,604	10,643
S95T003784	3,705	3,571	3,638	4,061
S95T003785	3,804	3,947	3,876	4,327

INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPECTROSCOPY (ICP) ANALYSIS

ICP analysis for a suite of cations was performed on all saltcake, sludge, and liquid samples per procedure LA-505-151/161, Revs. D-3 and B-0. Each solid subsegment and core composite sample was prepared by potassium hydroxide fusion digestion in a zirconium crucible using procedure LA-549-141 Rev. E-0. Specific cations requested for analysis by Simpson and McCain (1995) were aluminum, bismuth, sodium, and nickel. ICP analysis for aluminum, bismuth, calcium, iron, phosphorus, and sodium was requested by Buckley et al. (1995) as a secondary analysis for samples exceeding the DSC notification limit. ICP analysis for nickel was requested as a primary analysis by Meacham (1995) for sludge samples.

The safety screening DQO requires the analysis of lithium to determine if there has been contamination of the waste by the hydrostatic head fluid. All lithium results were less than detectable.

ICP analysis for a full suite of cations was also performed on water-leached aliquots of selected samples representing the BY salt cake and the potassium ferrocyanide (PFeCN2) waste types identified by Simpson and McCain (1995), using water leach procedure LA-504-101 Rev. E-0. The drainable liquid samples were diluted with acid using procedure LA-505-158 Rev. A-4 prior to ICP analysis.

Many samples exhibited RPDs greater than 10%. Analytes that had more than three RPD failures or poor spike recoveries were aluminum, chromium, sodium, iron, nickel, and phosphorus. Samples exhibiting high RPD values were rerun, however the RPD values did not improve significantly. The high RPD values were attributed to the heterogeneity of the waste, which was observed during extrusion. Simpson and McCain (1995) has no precision and accuracy requirements for the requested analyses so additional reruns were not requested due to out of bound RPD values.

Sample results of the target analytes specified in Simpson and McCain (1995) were compared with the predicted ranges. Sodium levels in the saltcake ranged from 218,000 ug/g to 281,000 ug/g, which is higher than the 165,000 ug/g predicted by the historical model. Sodium levels in the sludge ranged from 136,000 ug/g to 254,000 ug/g, which is also higher than the 60,000 ug/g to 165,000 ug/g range predicted by the historical model. The aluminum levels in the saltcake ranged from 4,160 ug/g to 58,800 ug/g, which encompasses the 18,600 ug/g predicted by the historical model. The levels of bismuth in the sludge ranged from less than detectable to 2,600 ug/g, which did not compare well with the predicted level of 25,000 ug/g. The expected range for nickel in the sludge is 4,000 ug/g. Nickel levels in the samples ranged from less than detectable to 15,321 ug/g on a dry weight basis. All key analytes specified in Simpson and McCain (1995) for the BY salt cake waste type were in agreement with the predicted ranges. Most of the key analytes specified for the PFeCN2 matched the predicted ranges with the exception of bismuth and nickel. Three segments were selected for further analysis per the historical DQOs (Simpson and McCain 1995).

ICP analysis for nickel was performed on sludge samples prepared with the acid digestion procedure LA-505-159 Rev. D-0 to confirm the ferrocyanide aging models. A nickel threshold of 10,000 ug/g (dry weight basis) was selected (Meacham 1995) as the amount above which indicates the aging of ferrocyanide. Samples S95T003663 and S95T003664 exceeded this limit.

ION CHROMATOGRAPHY (IC)

Ion chromatography (IC) analysis for bromide, chloride, fluoride, nitrite, nitrate, phosphate, and sulfate anions were performed on each solid subsegment and core composite as directed by Simpson and McCain (1995) using procedure LA-533-105, Rev. D-1, after the samples had been prepared using a water leach, procedure LA-504-101 Rev. E-0. IC analysis for nitrite and nitrate were also requested by Buckley et al. (1995) as secondary analyses. Bromide analysis was performed to determine if there was any hydrostatic head fluid (HHF) contamination from the core sampling process. Per the sampling and analysis plan (Benar 1995), only one spike per batch was required.

RPD values ranged from 0% to 101% and the standard recoveries ranged from 90% to 104%. Samples exhibiting high RPD values were rerun, however the RPD values did not improve significantly. The high RPD values were attributed to the heterogeneity of the waste which was observed during extrusion. Simpson and McCain (1995) has no precision and accuracy requirements for the requested analyses, so no additional reruns were requested due to out of bound RPD values.

As expected, nitrate levels in the sludge were high, ranging from 66,600 ug/g to 483,000 ug/g. Nitrate levels in the saltcake ranged from 181,000 ug/g to 475,000 ug/g, which compares well with 266,000 ug/g predicted by the model. Sulfate levels in the saltcake ranged from 1,600 ug/g to 25,700 ug/g and was compared to the predicted value of 33,732 ug/g. All key analytes specified in Simpson and McCain 1995 for the BY salt cake waste type were in agreement with the predicted ranges. Most of the key analytes specified for the PFeCN2 matched the predicted ranges with the exception of bismuth and nickel. Three segments were selected for further analysis per the historical DQOs (Simpson and McCain 1995).

CYANIDE

The cyanide analysis was performed for each quarter segment of sludge and half segment of saltcake using procedure LA-695-103, Rev. A-0 and each liquid sample using procedure LA-695-102, Rev. E-0. This analysis is required as a primary analysis by the ferrocyanide DQOs (Meacham 1995) and as a secondary analysis by the safety screening DQOs (Babad et al 1995) for samples exceeding the DSC notification limit.

All cyanide results were less than the notification limit of 39,000 ug/g. Values ranged from less than detectable to 63 ug/g. Most RPD values ranged from 4% to 22%, with one RPD value of 164. Reruns were performed on samples with high RPD values but the results did not improve appreciably. High RPD values are most likely due to the heterogeneity of tank BY-104 waste material.

RADIOCHEMISTRY

As directed by Simpson and McCain (1995), gamma energy analysis (GEA) for ^{137}Cs and ^{60}Co was performed on solid subsamples and core composite per procedure LA-548-121 Rev. D-1 and ^{90}Sr procedure LA-220-101 Rev. D-1. A potassium hydroxide fusion digestion was used to prepare the solid samples per procedure LA-549-141 Rev. E-0. Total beta analysis and uranium analysis by the phosphorescence method were performed on selected solid samples and the core composite with procedures LA-508-101 Rev. D-2 and LA-925-009 Rev. A-1 respectively.

No specific precision or accuracy requirements are defined by Simpson and McCain (1995), therefore no reruns of samples that exceeded the 10% RPD criterion were performed. RPD values for uranium and total beta analyses ranged from 1.0% to 16.0% and RPD values for the ^{90}Sr and GEA results ranged from 0% to 18.0%. Spike recovery values for the total beta and uranium analyses ranged from 88.0% to 120%.

The results for ^{137}Cs and ^{90}Sr ranged from 44 uCi/g to 147 uCi/g and from 15 uCi/g to 830 uCi/g respectively. These are higher than the predicted ranges of 8 uCi/g of ^{137}Cs and 4 uCi/g of ^{90}Sr. The uranium results of the samples analyzed with the phosphorescence method ranged from 622 ug/g to 25,600 ug/g, which compares with results from the ICP method which ranged from 481 ug/g to 44,000 ug/g.

MOISTURE CONTENT BY GRAVIMETRIC ANALYSIS

Moisture content by gravimetric analysis was requested as a secondary analysis for samples exceeding the TOC limit of 30,000 ug/g, the DSC notification limit of 480 J/g, and with moisture levels below 17 weight percent (Buckley et al. 1995). This analysis was performed using procedure LA-564-101 Rev. F-1 on 9 solid samples with moisture results below 17 weight percent. Samples S95T003645 and S95T003528 exceeded the DSC limit and had moisture levels below 17 weight percent. Sample S95T003528 also exceeded the TOC limit.

Samples S95T003643, S95T003645, and S95T003646 had moisture results by gravimetric analysis exceeding 17 weight percent, however the remaining 6 samples still fell below this level. RPD values ranged from 0.4% to 8.7% and were within the 10% RPD criterion.

ADIABATIC CALORIMETRY

As directed by Babad et al. 1995 and Buckley et al. 1995, adiabatic calorimetry was performed using the reactive system screening tool (RSST) on sample S96T001038 from core 116 segment 5 quarter D. This test is requested as a secondary analysis for samples exceeding the DSC notification limit. The report for this test can be found in Attachment A.

References:

Babad, H., J. W. Hunt, and K. S. Redus, *Tank Safety Screening Data Quality Objective*, WHC-SD-WM-SP-004, Rev. 2, dated August 31, 1995, Westinghouse Hanford Company, Richland, Washington.

Buckley, L. L. and D. G. Baide, *Data Quality Objective to Support Resolution of the Organic Fuel Rich Tank Safety Issue*, WHC-SD-WM-DQO-006, Rev. 1, dated April 6, 1995, Westinghouse Hanford Company, Richland, Washington.

BY-104 Project Notebook, WHC-N-1269, 1995, Westinghouse Hanford Company, Richland, Washington.

Kupfer, M. J., W. W. Schulz, and J. T. Slankas, 1995, *Strategy for Sampling Hanford Site Tank Wastes for Development for Disposal Technology*, WHC-SD-WM-TA-154, Rev. 1, Westinghouse Hanford Company, Richland, Washington.

Meacham, J. E., R. J. Cash, B. A. Pulsipher, and G. Chen, *Data Requirements for the Ferrocyanide Safety Issue Developed through the Data Quality Objectives Process*, WHC-SD-WM-DQO-007, Rev. 2, dated July 13, 1995, Westinghouse Hanford Company, Richland, Washington.

Meacham, J. E., *Test Plan for Samples from Hanford Waste Tanks 241-BY-103, BY-104, BY-105, BY-106, BY-108, BY-110, TY-103, U-105, U-107, U-108, and U-109*, WHC-SD-WM-TP-378, Rev. 0, dated June 27, 1995, Westinghouse Hanford Company, Richland, Washington.

Simpson, B. C., D. J. McCain, *Historical Model Evaluation Data Requirements*, WHC-SD-WM-DQO-018, Rev. 0A, dated May 8, 1995, Westinghouse Hanford Company, Richland, Washington.

Benar, C. J., *Tank 241-BY-104 Rotary Core Sampling and Analysis Plan*, WHC-SD-WM-TSAP-040, Rev. 0, dated September 7,1995, Westinghouse Hanford Company, Richland, Washington.

Tank Farms Operations, work package ES-95-00468, Westinghouse Hanford Company, Richland, Washington.

ATTACHMENT A

REACTIVE SYSTEM SCREENING TOOL FOR TANK 241-BY-104

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RSST Test of
S96T001038
D. B. Bechtold
5/06/96

SUMMARY/CONCLUSIONS

Sample S96T001038 from tank BY-104 core 116 Segment 5 Quarter D was dried over low heat to remove 9.5% moisture, and size-reduced. 6.46 grams of dried material was then placed in the RSST under 6.8 barg nitrogen. The sample self-heated weakly from approximately 170°C to attain 435°C in the RSST at an apparent peak rate of 30.7°C/min. Concurrently it raised the pressure in the containment by 2.3 bar at a peak rate of 0.11 bar/min. Virtually all of the pressure rise during self-heating was due solely to the temperature change, and not to generation of noncondensible gas. Weak, net gas generation occurred during a subsequent hold at high temperature and the final cool down to ambient. Significant excess dried sample was retained for possible future use.

PERFORMANCE OF WORK

Work was performed according to WHC-SD-WM-TP-104, and calculations were made as outlined in WHC-SD-WM-DTR-026. Sample treatment and experimental data were logged in WHC-N-1014-1, pg. 70-72, and separate hardcopies of instrumental data were retained to back up electronic copies.

SAMPLE TREATMENT

There was one sample submitted for RSST analysis from the BY-104 tank. Table 1 identifies it and reports the various states of moisture/volatiles loss it experienced.

Table 1. Sample Identification and Percent Volatiles From As Received to Various States

Test ID	Sample	%H_2O Lost to Prepared State[a]	%H_2O Lost to Dry State[b]	%Total Volatiles Lost to Reacted State[c]
960430	S96T001038 Vial 9577 BY-104 C116S5D	9.5	23.1	24.5

[a] Weight loss from as-received to as-prepared for RSST.

[b] Weight loss by 222-S lab reported results for as-delivered to as-dry -- the dry weight basis.

[c] Calculated from loss on reaction in RSST and loss on preparation. Usually low due to condensate on sample insulation sheath.

As received, the sample consisted of wet material that needed to be dried and size-reduced in order to make it suitable for RSST analysis. This is done for two reasons:

a) To be able to get the sample into the RSST sample vessel, and

b) To prevent the evolution of large amounts of steam, which creates sample voids, tends to push sample out of the sample holder, compromises the thermal insulation around the holder, and interferes with thermocouple readings.

17.8 grams of sample S96T001038 was rinsed into a beaker with 0.9 grams water. The beaker was placed on a hot plate at low heat for several days to dry. After having been dried, it was still quite moist. It was ground up and 6.46 grams were dispensed into the RSST holder. 8.3 grams of excess dried material were retained in a vial labeled 1038 for potential future use.

The dried sample was sealed in the RSST under approximately 6.8 barg nitrogen (assured by first flushing the bomb with nitrogen twice before a final fill). The heating rate for the sample was approximately 1°C/min.

THERMAL RESULTS

Figures 1 and 2 illustrate the thermal response from test 960430, and these results are summarized in Table 3. (Note that the dry-weight-basis results reported there are based on TGA results on original samples from the core

segment, not on RSST sample preparation results). By 170°C, it was clear that the sample was contributing internally generated heat. The heat rate continued to accelerate with temperature. Apparent hesitations in self-heating were due in fact to thermocouple connector noise probably caused by the large amount of condensed residual moisture. A rate of 30.7°C/min was reached before reactant exhaustion stopped the exothermic reaction near 435°C. The temperature then dropped to about 425°C and was held there by maximum RSST heater power for nearly 45 minutes, until the heaters were turned off and cooldown was initiated.

The general shape of the temperature rate curve in Figure 2 is noisy due to thermocouple noise, but the initial self heating acceleration above an instrument-supplied baseline is discernable. The thermocouple noise caused the RSST to supply more offset power during the self-heating, which artificially increases the apparent self-heating. Ignoring this additional offset in interpreting the results adds conservatism to them.

The initial stages of the self-heating event (where changes in reactant stoichiometry are not yet significant) were fitted by Arrhenius parameters and a fixed value of baseline heating rate. The baseline value of 1.5°C/min was determined by fitting baseline data at temperatures below the onset of self-heating. These parameters are listed in Table 3.

Due mostly to noise in the data, the dT/dt trace is indistinguishable from one that a single, first-order chemical reaction would make. This being the case, one is more or less obligated to evoke such a chemical model and extend the fitting to include the entire self-heating phase. This is best done by reverting back to the original T vs t data over the range of self-heating, and by fitting the model in differential equation form to obtain "improved" parameters. This extended fit produces not only the activation energy E_a, but also the actual first-order rate constant at the reference temperature k_{300} (1/min), and a fitted value for ΔT_{corr}. These are summarized in Table 4, and serve to illustrate just how greatly results can differ depending on the approach taken. Of course these results do not prove that the actual reaction was indeed first order, they merely indicate that within the scatter, the data are consistent with it.

The ϕ factor appearing in the tables, and defined by the footnote, removes the effects of instrument heat capacity from the initial stage and final state results. It is by definition always greater than unity, but is likely to be less than 1.2 in this test. To estimate its value, one needs to provide an estimate of the average heat capacity that the sample possess while the exothermic reaction is occurring.

The exothermic energy content of the sample may be calculated from the baseline-corrected temperature change (see calculations) and an estimated average reacting heat capacity. A graphical relationship between estimated heat capacity and dry-weight-basis energy release is provided for convenience in Figure 6.

GAS PRODUCTION RESULTS

Pressure evolution data and gas production calculation results appear in Figures 3 through 5 and Tables 2 and 5. Figure 5 was calculated from the instrumental data as suggested in the footnotes to Table 5 (see WHC-SD-WM-DTR-026). However, this calculation depends on there being steady state or equilibrium temperatures in effect in containment, a situation normally satisfied when dT/dt values are below +5-10°C/min. In this test, the assumption was invalid during intervals of rapid apparent or true temperature change. Fortunately, once the sample had cooled back down to ambient, the steady state approximation regained sufficient validity to permit a calculation of total moles noncondensible gas from Figure 5. It is evident from Figures 4 and 5 that noncondensible gas generation was insignificant during the self heat phase of the test, but that a small amount of gas was generated during the extended hold at 425°C and the cool down.

Table 5 compares the quantities determined from Figure 5 with those computed from the auxiliary pressure data in Table 2. The comparison is consistent with past experience that the auxiliary data usually gives production numbers equal to or less than the real-time-data calculation, because auxiliary data is more vulnerable to slow leakage from the RSST containment bomb. The computed average molecular weights of gases, as usual, suffer from the evolution of condensate which contributes to weight loss but not to pressure.

Table 2. BY-104 C116S5D Auxiliary Test Data.

Test ID	At start of run sample at ambient T			At Peak of Run Sample at T		At end of run sample cooled to ambient T				Comment
	P_0 (barg)	T_0 (°C)	w_s^{prep} (g)	max. T (°C) Observed at t (min) from Onset	max. P (barg) Observed at t (min) from Onset	P_f (barg)	T_f (°C)	w_s^{react} (g)	$\%(\Delta w_s/w_s)^{react}$ (%)	
960430	6.84	22.2	6.46	435°C at 66.9 min	9.189 barg at 121.4 min	6.848	21.0	5.39	-16.6	Condensate on sheath decreases %Δw magnitude

Table 3. BY-104 C116S5D Self-Heat Results.

Test ID	T_{onset} (°C)	ΔT_{true}* (°C)	Max. dT/dt (uncorr.) (°C/min), at T (°C)* or t (min) from onset	Initial E_a (KJ/mole)	Initial K (C°/min) at T (°C)	Comments
960430	170	ϕ x 165	ϕ x 30.7°C/min at 406°C or 64.5 min from onset	43.8±4.9	4.8±0.5 at 300°C	B value fixed at 1.5 °C/min

*ϕ = [1 + (0.1553/(avg. C_{ps})^{react}], C_{ps} in Joule/g/°C, see calculations

RSST Tests of 241-BY-104 Core Samples

Table 4. Chemical Kinetic Model Results.

Test ID	Model Type	ΔT_{true}[a] (°C)	Max. dT/dt (°C/min), at T(°C)[a] or t (min) from onset	E_a (kJ/mol)	k_{300} (1/min) at T (°C)	T_i (°C) at onset
960430	Single, First Order	ϕ x 145	ϕ x 10.6 °C/min at 376 °C or 58.6 °C from onset	73.7 ± 1.8	3.66×10^{-2} ± 9.4×10^{-4} 1/min at 300°C	183.1 ± 0.95 °C

[a]ϕ = [1 + (0.1553/(avg. C_{ps})^{react})], C_{ps} in Joule/g/°C, see calculations

Table 5. BY-104 C116S5D Gas Production Results.

Test ID	F[a]	$\Delta N/w_s^{prep}$ by calc.[b] (mol/g)	$\Delta N/w_s^{dry}$ by calc.[b] (mol/g)	$M_{avg.}$ by calc.[c] (g/mol)	Max. $(dP/dt)/w_s^{prep}$[d] (uncorr.) (bar/min/g) at T°C or t minutes from onset	Max. $(dN/dt)/w_s^{dry}$ (uncorr.) (bar/min/g) at t minutes from onset	$\Delta N/w_s^{prep}$ by auxiliary data[b] (mol/g)	$\Delta N/w_s^{dry}$ by auxiliary data[b] (mol/g)	$M_{avg.}$ by auxiliary data[c] (g/mol)
960430	0.2184	2.94×10^{-4}	3.46×10^{-4}	565	0.017 bar/min/g at 361°C or 58.2 min from onset	No significant gas generation during self-heat	8.46×10^{-5}	9.96×10^{-5}	1962

[a] $PV = NRT_{effective}$, $T_{effective} = F \times T_{sample} + (1 - F) \times T_{ambient}$, $F = (dP/dT)_0 \times T_0/P_0$ in absolute units.
[b]Noncondensible gases only
[c]High because of condensate solvent that contributes weight loss but not pressure.
[d]Offered when dN/dt calculation invalid due to semi-rapid rates of heat and gas production. V = 335 cm^3

RSST Tests of 241-BY-104 Core Samples

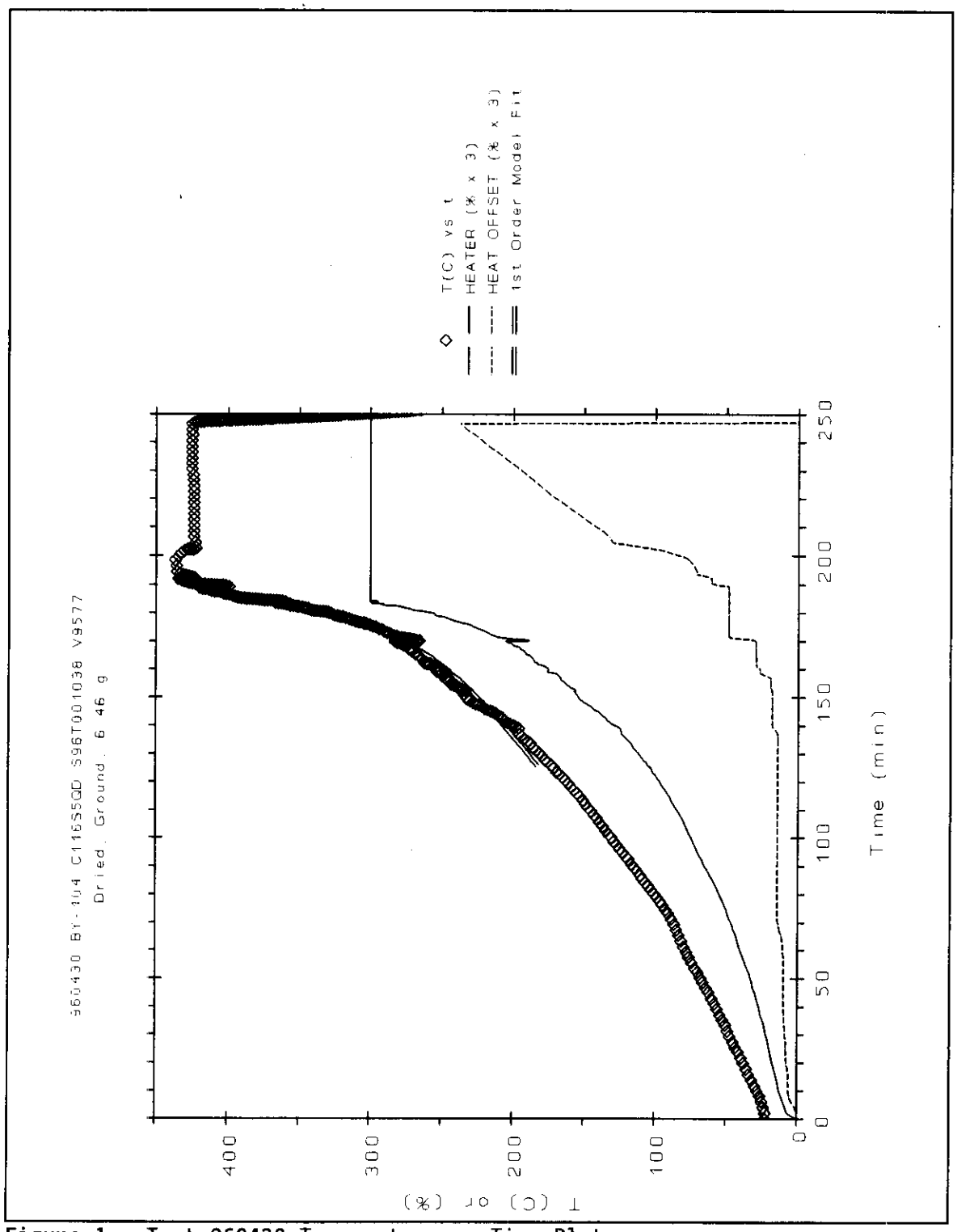

Figure 1. Test 960430 Temperature vs Time Plot.

RSST Tests of 241-BY-104 Core Samples

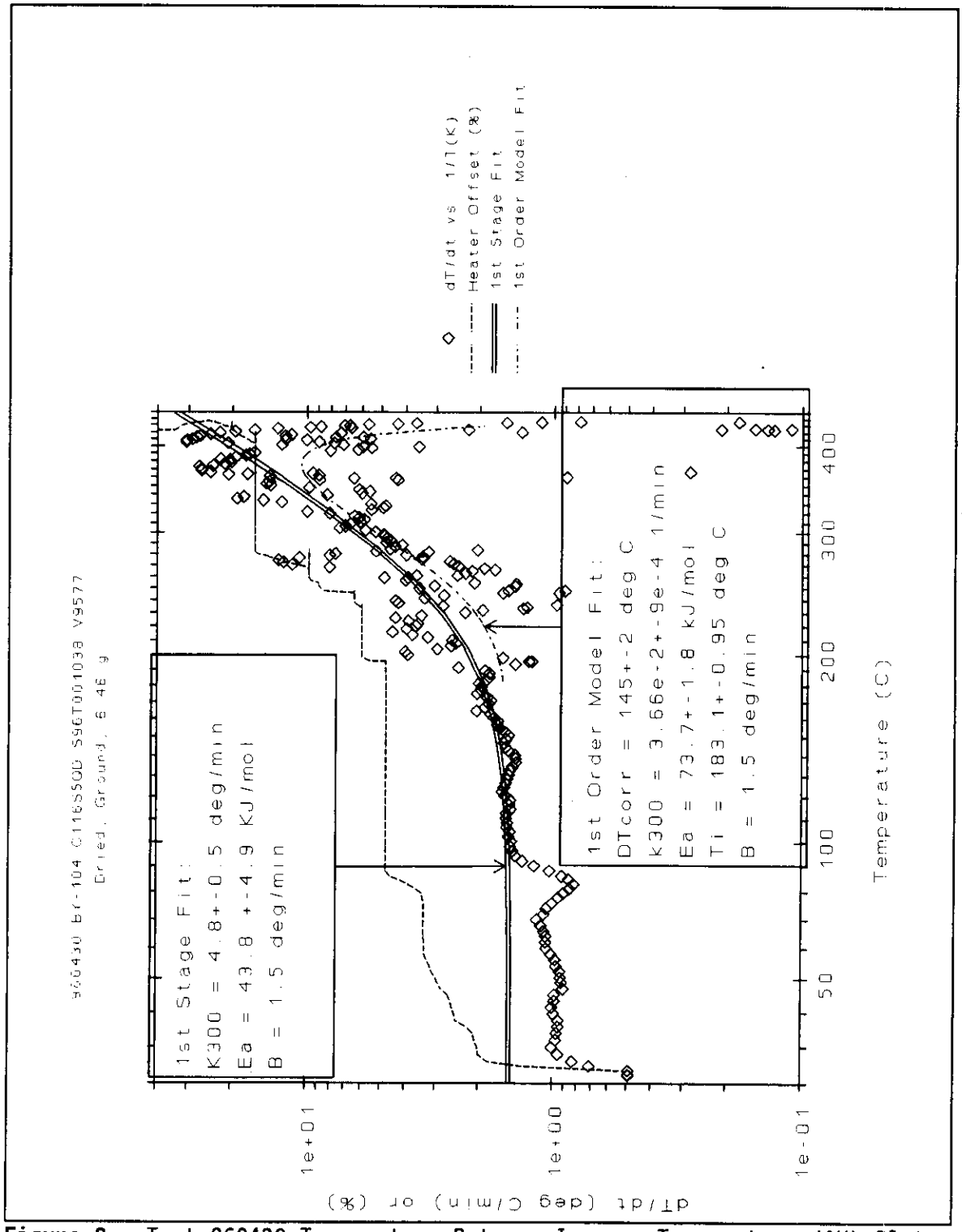

Figure 2. Test 960430 Temperature Rate vs Inverse Temperature (°K) Plot.

RSST Tests of 241-BY-104 Core Samples

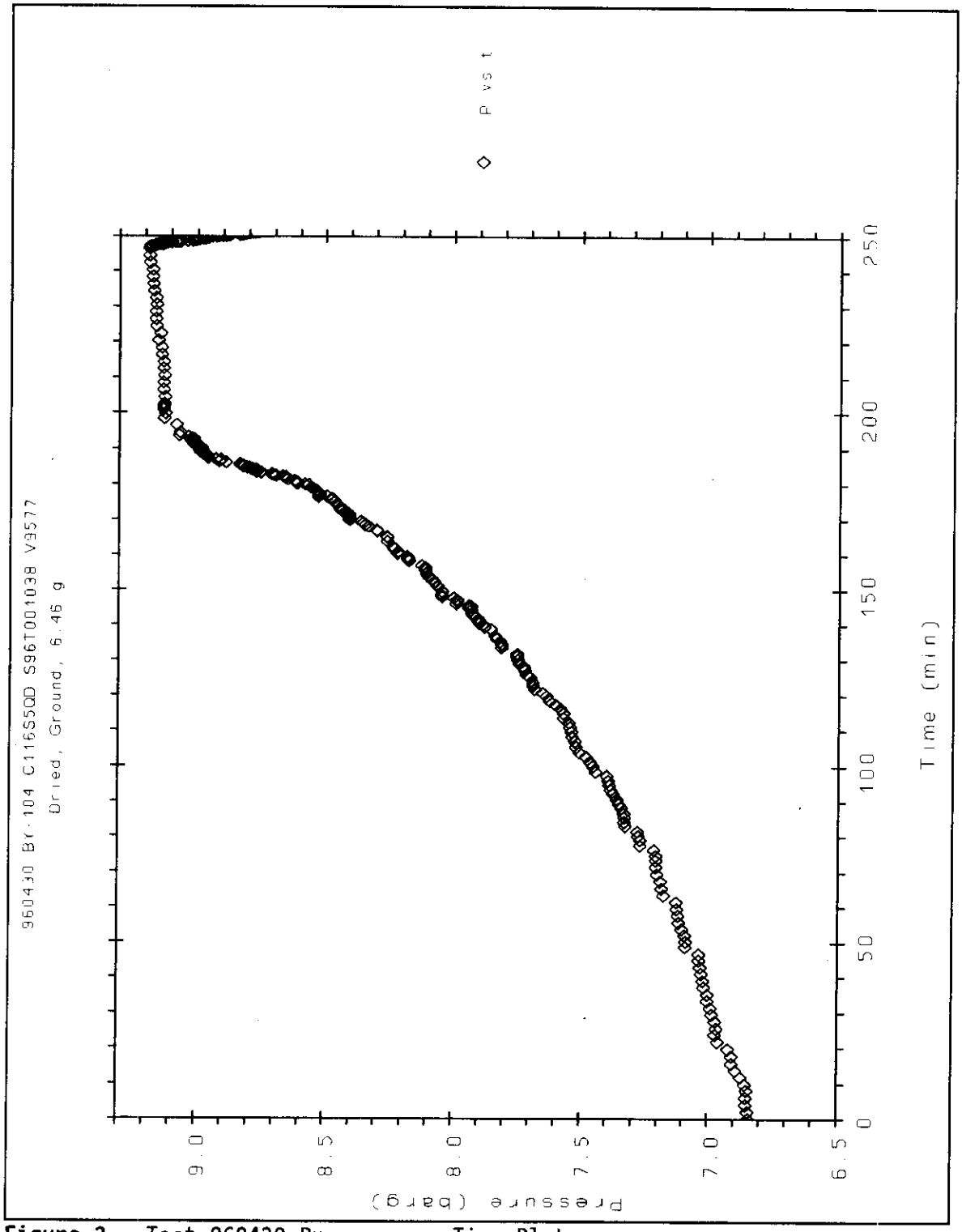

Figure 3. Test 960430 Pressure vs Time Plot.

RSST Tests of 241-BY-104 Core Samples

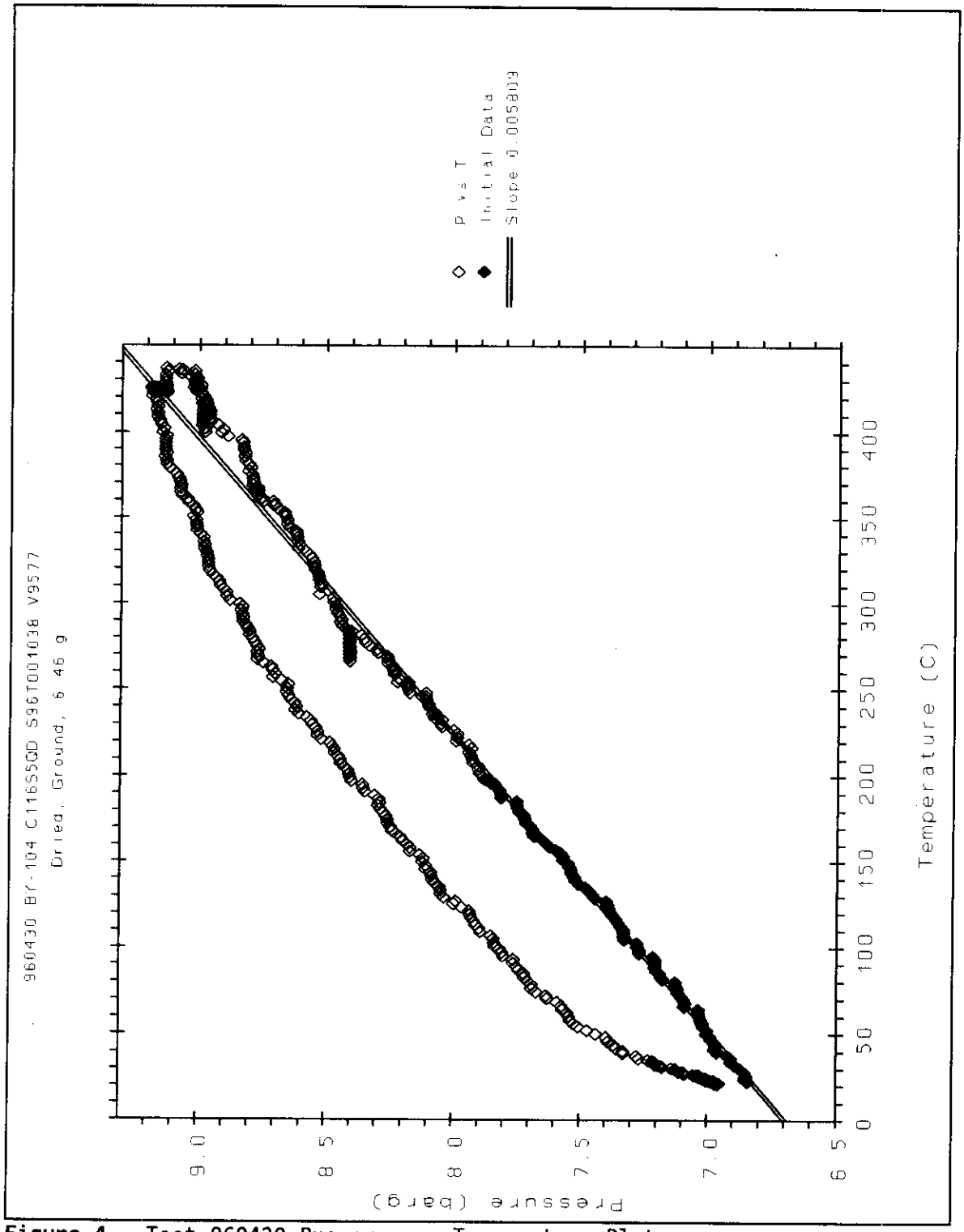

Figure 4. Test 960430 Pressure vs Temperature Plot.

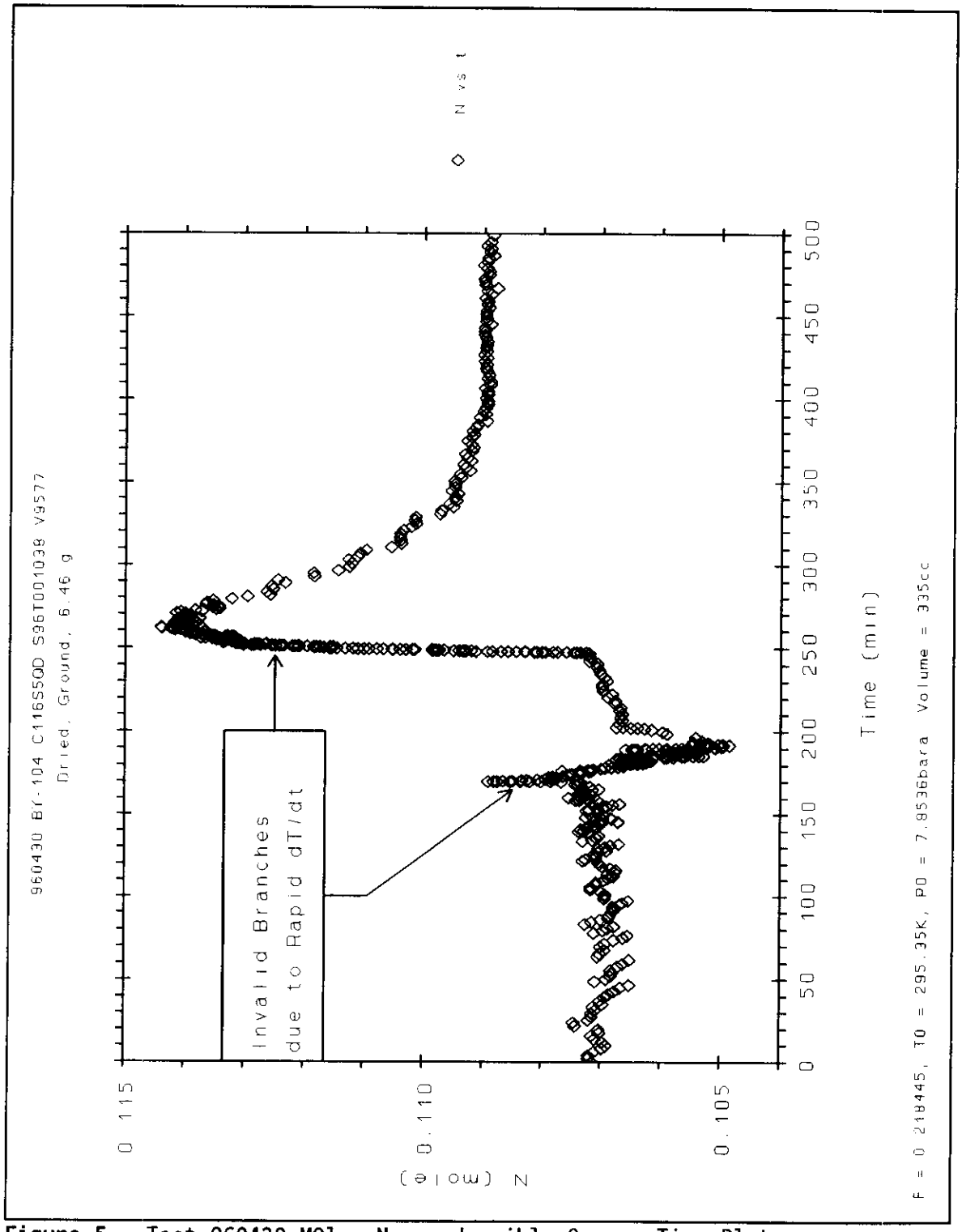

Figure 5. Test 960430 MOles Noncondensible Gas vs Time Plot.

RSST Tests of 241-BY-104 Core Samples

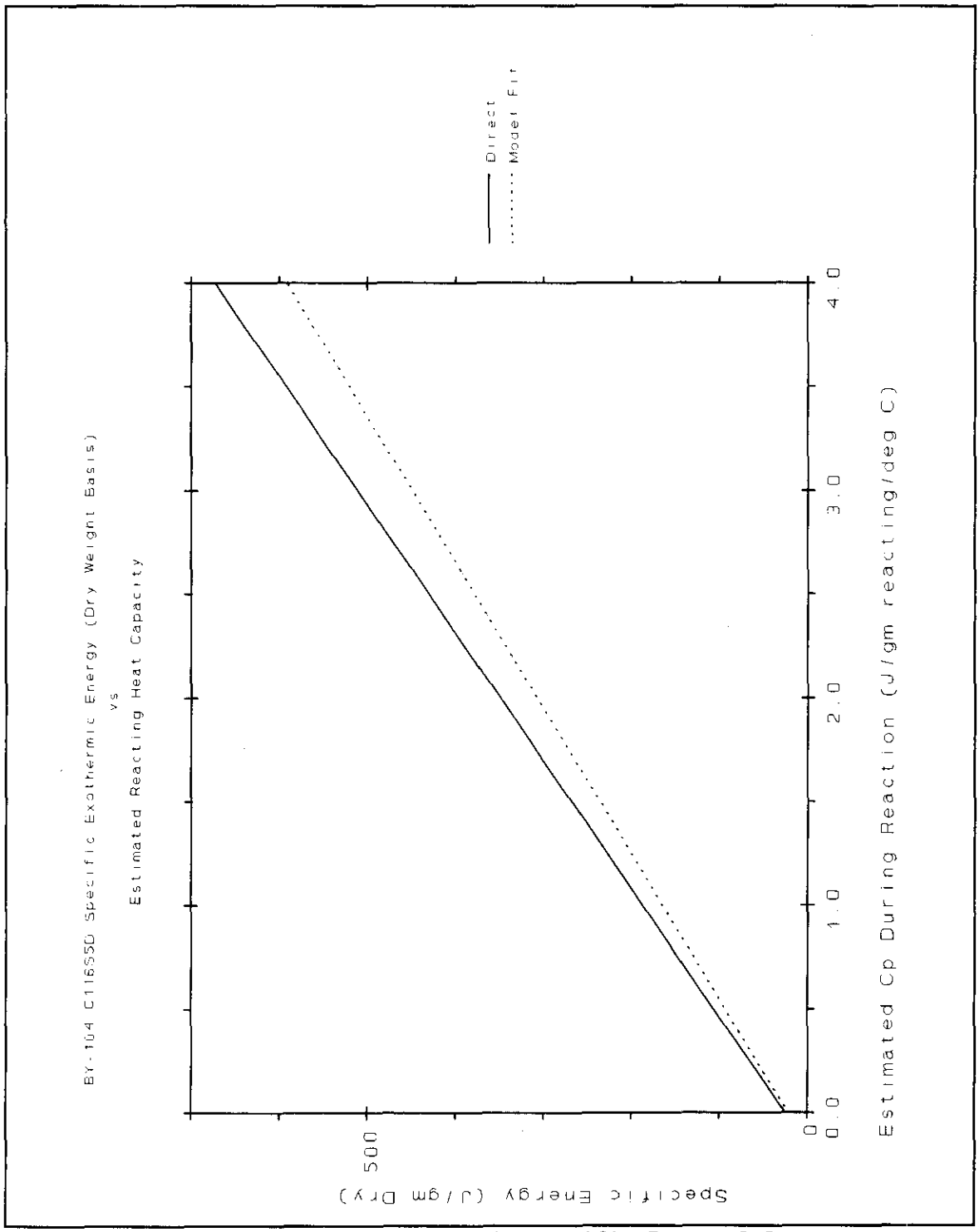

Figure 6. Test 960430 Dry Weight Basis Specific Energy Release vs Estimated Reacting Heat Capacity.

RSST Tests of 241-BY-104 Core Samples

CALCULATIONS FOR TEST 960430 (BY-104 C116S5D SAMPLE S96T001038)

WEIGHT LOSSES

$$\%H_2O^{prep} = 100\frac{17.8 - 16.1}{17.8} = 9.5\%$$

$$\%H_2O^{dry} = 23.1\% \text{ (determined by separate analyses)}$$

$$\%\left(\frac{\Delta w_s}{w_s}\right)^{react} = 100\frac{5.39 - 6.46}{6.46} = -16.6\%$$

$$\begin{aligned}
\%\ (\text{total volatiles})^{react} &= 100 - \%\ \text{solids}^{react} \\
&= 100 - \frac{1}{100}\left[100 - \%H_2O^{prep}\right]\left[100 + \%\left(\frac{\Delta w_s}{w_s}\right)^{react}\right] \\
&= 100 - \frac{1}{100}[100 - 9.5][100 - 16.6] \\
&= 24.5\%
\end{aligned} \tag{1}$$

RSST Tests of 241-BY-104 Core Samples

TOTAL SPECIFIC NONCONDENSIBLE GAS PRODUCTION:

By Calculated Graph:

$N_i = 0.107$ mole, $N_e = 0.1089$ mole, $w_s^{prep} = 6.46$ grams

$$\frac{\Delta N}{w_s^{prep}} = \frac{0.1089 - 0.107}{6.46} = 2.94\times10^{-4}\ \frac{\text{mole}}{\text{gram prep}}$$

$$\frac{\Delta N}{w_s^{dry}} = \frac{\Delta N}{w_s^{prep}}\frac{100 - \%H_2O^{prep}}{100 - \%H_2O^{dry}} = 2.94\times10^{-4}\frac{100 - 9.5}{100 - 23.1} \tag{2}$$

$$= 3.46\times10^{-4}\frac{\text{mole}}{\text{gram dry}}$$

$$\frac{\left(\frac{dP}{dt}\right)^{max}_{uncorr}}{w_s^{prep}} = \frac{0.11}{6.46} = 0.017\ \frac{\text{bar}}{\text{min g}^{prep}} \text{ at } 361°C\ ,$$

or 183.2 - 125.0 = 58.2 min. from onset

By Auxiliary Data:

$P_0 = 6.840$ barg, $T_0 = 22.20$ °C, $P_f = 6.848$ barg, $T_f = 21.0$ °C

$V = 335 cm^3$, $R = 83.14\frac{\text{bara cm}^3}{\text{mole °K}}$

$$\frac{\Delta N}{w_s^{prep}} = \frac{1}{w_s^{prep}}\frac{V}{R}\left[\frac{P_f + 1.01325}{T_f + 273.15} - \frac{P_0 + 1.01325}{T_0 + 273.15}\right]$$

$$= \frac{1}{6.46}\frac{335}{83.14}\left[\frac{6.848 + 1.01325}{21.0 + 273.15} - \frac{6.840 + 1.01325}{22.2 + 273.15}\right]$$

$$= 8.46\text{X}10^{-5}\frac{\text{mole}}{\text{gram prep}}$$

$$\frac{\Delta N}{w_s^{dry}} = 8.46\text{X}10^{-5}\frac{100 - 9.5}{100-23.1} = 9.96\text{X}10^{-5}\frac{\text{mole}}{\text{gram dry}} \tag{3}$$

RSST Tests of 241-BY-104 Core Samples

AVERAGE MOLECULAR WEIGHT:

$$M_{avg.} = \frac{-\Delta w/w_s^{prep}}{\Delta N/w_s^{prep}}$$

$$= \frac{-(-0.166)}{2.94\text{x}10^{-4}} = 565\frac{\text{gram}}{\text{mole}} \quad \text{by calculated graph} \qquad (4)$$

$$= \frac{-(-0.166)}{8.46\text{x}10^{-5}} = 1962\frac{\text{gram}}{\text{mole}} \quad \text{by auxiliary data}$$

RSST Tests of 241-BY-104 Core Samples

SELF-HEAT PARAMETERS

ΔT_{true}:

$$T_i \approx 170°C,\ t_i \approx 125.0\ \text{min},\ T_e \approx 435°C,\ t_e \approx 191.9\ \text{min}$$

$$B \approx 1.5°C/\text{min},$$

$$\Delta T_{true} = \phi \Delta T_{corr} = \phi([T_e - T_i] - B[t_e - t_i])$$

$$= \phi([435 - 170] - 1.5[191.9 - 125.0])$$

$$= \phi 165°C$$

$$\phi = \frac{(\bar{C}_{ps}^{react})(w_s^{react}) + C_{ph}w_h}{(\bar{C}_{ps}^{react})(w_s^{react})} = \left(1 + \frac{C_{ph}w_h}{(\bar{C}_{ps}^{react})\frac{w_s^{react}}{w_s^{prep}}w_s^{prep}}\right)$$

$$= 1 + \left(\frac{w_h C_{ph}}{(\bar{C}_{ps}^{react})\frac{100+\left(\%\Delta\frac{w_s}{w_s}\right)^{react}}{100}w_s^{prep}}\right) \quad (5)$$

$$= 1 + \left(\frac{0.8368}{(\bar{C}_{ps}^{react})\frac{100+(-16.6)}{100}6.46}\right)$$

$$= 1 + \frac{0.1553}{(\bar{C}_{ps}^{react})} \quad \left((\bar{C}_{ps}^{react}) \text{ units are } \frac{J}{g\,°K} \right)$$

$$\left(\frac{dT}{dt}\right)_{uncorr}^{max} = 30.7\ \frac{°C}{min} \text{ at } 406°C$$

or 189.5 - 125.0 = 64.5 min from onset

RSST Tests of 241-BY-104 Core Samples

THERMAL KINETIC PARAMETERS:

For the initial stage of the runaway, dT/dt vs Z = -1000/(T+273.15) data for temperatures between 170°C and 400°C and for times less than 186 minutes are least-squares fit by the function

$$\frac{dT}{dt} = B + K_{300} e^{\frac{E_a}{R}(Z - Z_{300})}, \tag{6}$$

$$\text{where } Z = -\frac{1000}{T + 273.15}, \quad Z_{300} = -\frac{1000}{300+273.15}$$

with parameters E_a = 43.8 ± 4.9 KJ/mole, K_{250} = 4.8 ± 0.5 °C/min; and constants B = 1.5 °C/min and R = 8.3144 J/mole/°K.

For a single, first order chemical kinetic model, the equations

$$\frac{dT}{dt} = B + k(DT) \tag{7}$$

$$\frac{d(DT)}{dt} = -k(DT) \tag{8}$$

$$k = k_{300}\, e^{-\frac{E_a}{R}\left(\frac{1}{T + 273.15} - \frac{1}{300 + 273.15}\right)} \tag{9}$$

with initial values $T = T_i$ and $(DT) = \Delta T_{corr}$ are simultaneously least-squares fit to a constant B = 1.5 °C/min, and parameters T_i = 183.1 ± 0.95 °C, ΔT_{corr} = 145 ± 2 °C, E_a = 73.7 ± 1.8 kJ/mol, and k_{300} = 0.0366 ± 0.00094 1/min over T vs t data for times from 125 to 194 minutes into the test.

RSST Tests of 241-BY-104 Core Samples

SPECIFIC EXOTHERMIC ENERGY RELEASE:

Neglecting PV work,

$$Q \approx \Delta T_{true}(w_s^{react})(\overline{C}_{ps}^{react}) = \Delta T_{corr}\Phi(w_s^{react})(\overline{C}_{ps}^{react})$$

$$= \Delta T_{corr}\frac{\left[(w_s^{react})(\overline{C}_{ps}^{react}) + w_h C_{ph}\right]}{(w_s^{react})(\overline{C}_{ps}^{react})}(w_s^{react})(\overline{C}_{ps}^{react})$$

$$= \Delta T_{corr}\left[(w_s^{react})(\overline{C}_{ps}^{react}) + w_h C_{ph}\right]$$

$$\hat{Q}_{dry} \approx \Delta T_{corr}\left[\frac{w_s^{react}}{w_s^{dry}}(\overline{C}_{ps}^{react}) + \frac{w_h C_{ph}}{w_s^{dry}}\right]$$

$$= \Delta T_{corr}\left[\frac{\frac{w_s^{react}}{w_s^{prep}}}{\frac{w_s^{dry}}{w_s^{wet}}\frac{w_s^{wet}}{w_s^{prep}}}(\overline{C}_{ps}^{react}) + \frac{w_h C_{ph}}{\frac{w_s^{dry}}{w_s^{wet}}\frac{w_s^{wet}}{w_s^{prep}}w_s^{prep}}\right] \qquad (10)$$

$$= \Delta T_{corr}\frac{\frac{w_s^{prep}}{w_s^{wet}}}{\frac{w_s^{dry}}{w_s^{wet}}}\left[\frac{w_s^{react}}{w_s^{prep}}(\overline{C}_{ps}^{react}) + \frac{w_h C_{ph}}{w_s^{prep}}\right]$$

$$\hat{Q}_{dry} \approx \Delta T_{corr}\frac{(100 - \%H_2O^{prep})}{(100 - \%H_2O^{dry})}\left[\frac{100 + \left(\%\frac{\Delta w_s}{w_s}\right)^{react}}{100}(\overline{C}_{ps}^{react}) + \frac{w_h C_{ph}}{w_s^{prep}}\right]$$

$$= 165\frac{(100 - 9.5)}{(100 - 23.1)}\left[\frac{100 + (-16.6)}{100}(\overline{C}_{ps}^{react}) + \frac{0.8368}{6.46}\right]$$

$$= 161.95(\overline{C}_{ps}^{react}) + 25.15 \quad \frac{J}{g^{dry}}$$

For the chemical model, ΔT_{corr} = 145 °C, which makes:

$$\hat{Q} \approx 142.32(\overline{C}_{ps}^{react}) + 22.10 \quad \frac{J}{g^{dry}} \qquad (11)$$

SAMPLE DATA SUMMARY

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Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 2

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003525			Bulk Density of Sample	g/mL	n/a	n/a	1.630	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003528			% Water by Gravimetric	%	101.0	n/a	16.90	1.834e1	1.762e1	8.17	n/a	1.000e-2	n/a
S95T003528			Total Carbon by Persulfate	ug/g	92.00	10.30	3.73e+04	3.930e4	3.830e4	5.22	n/a	40.00	n/a
S95T003528			% Water by TGA on Perkin Elmer	%	101.3	n/a	16.08	1.671e1	1.639e1	3.84	n/a	n/a	n/a
S95T003528			DSC Exotherm on Perkin Elmer	Joules/g	99.02	n/a	0.00e+00	1.160e2	5.800e1	117	n/a	n/a	n/a
S95T003528			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	1.387e2	6.935e1	200	n/a	n/a	n/a
S95T003528			Cyanide EDTA Addition	ug/g	106.4	<1.100e-2	18.60	1.750e1	1.805e1	6.09	97.50	8.080	n/a
S95T003528			TOC by Persulfate/Coulometry	ug/g	100.3	1.500	2.81e+04	2.450e4	2.630e4	13.7	n/a	40.00	n/a
S95T003528			TIC by Acid/Coulometry	ug/g	101.5	7.00e-01	2.06e+04	1.930e4	2.000e4	6.52	n/a	5.000	n/a

U Upper Half of Segment: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003529			% Water by Gravimetric	%	101.0	n/a	14.66	1.574e1	1.520e1	7.11	n/a	1.000e-2	n/a
S95T003529			% Water by TGA on Perkin Elmer	%	101.7	n/a	7.290	1.340e1	1.035e1	59.1	n/a	n/a	n/a
S95T003529			% Water by TGA using Mettler	%	100.0	n/a	16.52	1.296e1	1.474e1	24.2	n/a	n/a	n/a
S95T003529			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	30.50	1.360e1	2.205e1	76.6	n/a	n/a	n/a
S95T003529			DSC Exotherm using Mettler	Joules/g	102.3	n/a	26.00	1.160e1	1.880e1	76.6	n/a	n/a	n/a
S95T003529			Cyanide EDTA Addition	ug/g	106.4	<1.100e-2	< 6.710	<6.59	n/a	n/a	89.60	6.710	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 3

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003703			% Water by Gravimetric	%	101.4	n/a	12.53	1.180e1	1.216e1	6.00	n/a	1.000e-2	n/a
S95T003703 1			% Water by TGA using Mettler	%	100.3	n/a	11.86	6.130e0	8.995e0	63.7	n/a	n/a	n/a
S95T003703			% Water by TGA using Mettler	%	101.3	n/a	12.61	8.980e0	1.079e1	33.6	n/a	n/a	n/a
S95T003703			DSC Exotherm on Perkin Elmer	Joules/g	99.02	n/a	0.00e+00	1.114e1	5.570e0	11.1	n/a	n/a	n/a
S95T003703			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	1.248e1	6.240e0	200	n/a	n/a	n/a
S95T003703			Cyanide EDTA Addition	ug/g	107.0	<3.800e-2	3.240	3.090e0	3.165e0	4.74	47.30	1.640	n/a

L Lower Half of Segment: L Lower Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003702			% Water by Gravimetric	%	101.4	n/a	8.450	9.220e0	8.835e0	8.72	n/a	1.000e-2	n/a
S95T003702			% Water by TGA using Mettler	%	101.3	n/a	12.32	1.010e1	1.121e1	19.8	n/a	n/a	n/a
S95T003702			DSC Exotherm on Perkin Elmer	Joules/g	98.31	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003702			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003702			Cyanide EDTA Addition	ug/g	85.22	<1.100e-2	3.450	3.170e0	3.310e0	8.46	69.50	2.100	n/a
S95T003702			TOC by Persulfate/Coulometry	ug/g	94.67	5.700	4.00e+03	4.190e3	4.100e3	4.64	n/a	40.00	n/a
S95T003702			TIC by Acid/Coulometry	ug/g	96.84	2.800	2.41e+04	1.820e4	2.120e4	27.9	n/a	5.000	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 4

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003594			Bulk Density of Sample	g/mL	n/a	n/a	1.810	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003632			% Water by TGA on Perkin Elmer	%	101.3	n/a	19.00	2.241e1	2.070e1	16.5	n/a	n/a	n/a
S95T003632			DSC Exotherm on Perkin Elmer	Joules/g	99.97	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003632			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003632			Cyanide EDTA Addition	ug/g	102.4	<1.100e-2	< 7.500	<7.83	n/a	n/a	94.00	7.500	n/a
S95T003632			TOC by Persulfate/Coulometry	ug/g	100.3	1.500	5.42e+03	6.060e3	5.740e3	11.1	n/a	40.00	n/a
S95T003632			TIC by Acid/Coulometry	ug/g	101.5	7.00e-01	2.52e+04	2.360e4	2.440e4	6.56	n/a	5.000	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003595			Bulk Density of Sample	g/mL	n/a	n/a	1.790	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003637	1		% Water by TGA using Mettler	%	101.9	n/a	18.71	2.420e1	2.145e1	25.6	n/a	n/a	n/a
S95T003637			% Water by TGA using Mettler	%	99.73	n/a	31.67	2.516e1	2.841e1	22.9	n/a	n/a	n/a
S95T003637			DSC Exotherm on Perkin Elmer	Joules/g	100.7	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003637			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003637			Cyanide EDTA Addition	ug/g	102.6	<3.800e-2	< 8.100	<8.10e0	n/a	n/a	99.80	8.100	n/a
S95T003637			TOC by Persulfate/Coulometry	ug/g	97.67	1.00e-01	5.27e+03	6.090e3	5.680e3	14.4	82.00	40.00	n/a
S95T003637			TIC by Acid/Coulometry	ug/g	100.5	0.00e+00	3.45e+04	3.600e4	3.520e4	4.26	90.60	5.000	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003596			Bulk Density of Sample	g/mL	n/a	n/a	1.820	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003641			% Water by TGA using Mettler	%	99.73	n/a	33.92	3.391e1	3.391e1	0.03	n/a	n/a	n/a
S95T003641			DSC Exotherm on Perkin Elmer	Joules/g	100.7	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003641			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003641			Cyanide EDTA Addition	ug/g	106.2	<1.100e-2	< 6.750	<6.49	n/a	n/a	101.6	6.750	n/a
S95T003641			TOC by Persulfate/Coulometry	ug/g	97.67	1.00e-01	5.71e+03	5.810e3	5.760e3	1.74	n/a	40.00	n/a
S95T003641			TIC by Acid/Coulometry	ug/g	100.5	0.00e+00	2.14e+04	2.230e4	2.180e4	4.12	n/a	5.000	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 5

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003597			Bulk Density of Sample	g/mL	n/a	n/a	1.790	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003633			% Water by TGA using Mettler	%	96.58	n/a	24.42	2.411e1	2.427e1	1.28	n/a	n/a	n/a
S95T003633			DSC Exotherm on Perkin Elmer	Joules/g	99.97	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003633			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003633			Cyanide EDTA Addition	ug/g	102.4	<1.100e-2	< 7.390	<6.97	n/a	n/a	95.10	7.390	n/a
S95T003633			TOC by Persulfate/Coulometry	ug/g	94.67	5.700	6.41e+03	6.170e3	6.290e3	3.82	n/a	40.00	n/a
S95T003633			TIC by Acid/Coulometry	ug/g	96.84	2.800	2.27e+04	2.340e4	2.300e4	3.04	n/a	5.000	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003598			Bulk Density of Sample	g/mL	n/a	n/a	1.740	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003638			% Water by TGA using Mettler	%	99.77	n/a	20.34	2.108e1	2.071e1	3.57	n/a	n/a	n/a
S95T003638			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	2.56e+02	3.447e2	3.002e2	29.6	n/a	n/a	n/a
S95T003638	1		DSC Exotherm using Mettler	Joules/g	98.77	n/a	0.00e+00	4.120e1	2.060e1	200	n/a	n/a	n/a
S95T003638			DSC Exotherm using Mettler	Joules/g	102.6	n/a	2.03e+02	2.733e2	2.381e2	29.6	n/a	n/a	n/a
S95T003638			Cyanide EDTA Addition	ug/g	103.0	<1.100e-2	< 8.590	<8.79	n/a	n/a	91.60	8.590	n/a
S95T003638			TOC by Persulfate/Coulometry	ug/g	94.67	5.700	6.02e+03	6.570e3	6.300e3	8.74	n/a	40.00	n/a
S95T003638			TIC by Acid/Coulometry	ug/g	96.84	2.800	2.07e+04	2.340e4	2.200e4	12.2	n/a	5.000	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003599			Bulk Density of Sample	g/mL	n/a	n/a	1.720	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003642			% Water by TGA using Mettler	%	100.8	n/a	23.36	3.283e1	2.809e1	33.7	n/a	n/a	n/a
S95T003642			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003642			DSC Exotherm using Mettler	Joules/g	100.5	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003642			Cyanide EDTA Addition	ug/g	100.8	<1.100e-2	< 5.330	<5.13	n/a	n/a	97.40	5.330	n/a
S95T003642			TOC by Persulfate/Coulometry	ug/g	94.67	5.700	5.04e+03	6.050e3	5.540e3	18.2	138.0	40.00	n/a
S95T003642			TIC by Acid/Coulometry	ug/g	96.84	2.800	1.91e+04	2.030e4	1.970e4	6.09	103.9	5.000	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003600			Bulk Density of Sample	g/mL	n/a	n/a	1.730	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003645			% Water by Gravimetric	%	101.0	n/a	22.52	2.129e1	2.191e1	5.62	n/a	1.000e-2	n/a
S95T003645			Total Carbon by Persulfate	ug/g	92.00	10.30	2.40e+04	2.410e4	2.400e4	0.42	n/a	40.00	n/a
S95T003645			% Water by TGA using Mettler	%	100.8	n/a	21.70	2.445e1	2.307e1	11.9	n/a	n/a	n/a
S95T003645			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	2.85e+02	7.246e2	5.048e2	87.1	n/a	n/a	n/a
S95T003645			DSC Exotherm using Mettler	Joules/g	100.5	n/a	2.19e+02	5.574e2	3.883e2	87.1	n/a	n/a	n/a
S95T003645			Cyanide EDTA Addition	ug/g	102.3	<1.100e-2	< 8.360	<7.92	n/a	n/a	98.60	8.360	n/a
S95T003645			TOC by Persulfate/Coulometry	ug/g	94.67	5.700	6.26e+03	6.280e3	6.270e3	0.32	n/a	40.00	n/a
S95T003645			TIC by Acid/Coulometry	ug/g	96.84	2.800	1.99e+04	2.020e4	2.000e4	1.50	n/a	5.000	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 6

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003601			Bulk Density of Sample	g/mL	n/a	n/a	1.76 G/M	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003634			% Water by TGA using Mettler	%	102.1	n/a	28.77	2.633e1	2.755e1	8.86	n/a	n/a	n/a
S95T003634			DSC Exotherm using Mettler	Joules/g	106.2	n/a	23.60	3.620e1	2.990e1	42.1	n/a	n/a	n/a
S95T003634			Cyanide EDTA Addition	ug/g	100.6	<1.100e-2	< 6.620	5.270e1	n/a	n/a	81.00	6.620	n/a
S95T003634			TOC by Persulfate/Coulometry	ug/g	94.67	5.700	4.85e+03	4.960e3	4.900e3	2.24	n/a	40.00	n/a
S95T003634			TIC by Acid/Coulometry	ug/g	96.84	2.800	1.69e+04	1.880e4	1.780e4	10.6	n/a	5.000	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003602			Bulk Density of Sample	g/mL	n/a	n/a	1.75 G/M	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003639			% Water by TGA using Mettler	%	101.3	n/a	30.64	3.301e1	3.182e1	7.45	n/a	n/a	n/a
S95T003639			DSC Exotherm using Mettler	Joules/g	95.61	n/a	71.00	6.530e1	6.815e1	8.36	n/a	n/a	n/a
S95T003639			Cyanide EDTA Addition	ug/g	103.0	<1.100e-2	< 6.790	<6.22	n/a	n/a	80.40	6.790	n/a
S95T003639			TOC by Persulfate/Coulometry	ug/g	99.67	1.000	4.05e+03	3.930e3	3.990e3	3.01	n/a	40.00	n/a
S95T003639			TIC by Acid/Coulometry	ug/g	101.8	4.000	1.44e+04	1.460e4	1.450e4	1.38	n/a	5.000	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003603			Bulk Density of Sample	g/mL	n/a	n/a	1.75 G/M	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003643			% Water by Gravimetric	%	100.3	n/a	22.90	2.300e1	2.295e1	0.44	n/a	1.000e-2	n/a
S95T003643			% Water by TGA on Perkin Elmer	%	101.3	n/a	8.94e-01	2.800e1	1.445e1	200	n/a	n/a	n/a
S95T003643			DSC Exotherm on Perkin Elmer	Joules/g	99.33	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003643			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003643			Cyanide EDTA Addition	ug/g	100.8	<1.100e-2	< 7.430	<7.18	n/a	n/a	95.30	7.430	n/a
S95T003643			TOC by Persulfate/Coulometry	ug/g	96.67	9.00e-01	5.39e+03	5.160e3	5.280e3	4.36	n/a	40.00	n/a
S95T003643			TIC by Acid/Coulometry	ug/g	96.67	5.00e-01	2.08e+04	1.970e4	2.020e4	5.43	n/a	5.000	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003604			Bulk Density of Sample	g/mL	n/a	n/a	1.75 G/M	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003646			% Water by Gravimetric	%	100.3	n/a	23.20	2.310e1	2.315e1	0.43	n/a	1.000e-2	n/a
S95T003646			% Water by TGA on Perkin Elmer	%	101.3	n/a	7.52e-01	9.970e-1	8.750e-1	28.0	n/a	n/a	n/a
S95T003646			% Water by TGA using Mettler	%	100.3	n/a	22.97	2.424e1	2.360e1	5.38	n/a	n/a	n/a
S95T003646			DSC Exotherm on Perkin Elmer	Joules/g	99.33	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003646			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003646			Cyanide EDTA Addition	ug/g	95.56	<1.100e-2	< 8.360	<8.22	n/a	n/a	91.00	2.000e-2	n/a
S95T003646			TOC by Persulfate/Coulometry	ug/g	97.33	4.000	6.10e+03	6.000e3	6.050e3	1.65	98.00	40.00	n/a
S95T003646			TIC by Acid/Coulometry	ug/g	101.2	1.500	2.06e+04	2.250e4	2.160e4	8.82	103.8	5.000	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 7

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003605			Bulk Density of Sample	g/mL	n/a	n/a	1.690	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003635			% Water by TGA using Mettler	%	96.58	n/a	25.73	2.585e1	2.579e1	0.47	n/a	n/a	n/a
S95T003635			DSC Exotherm on Perkin Elmer	Joules/g	99.97	n/a	1.04e+02	1.001e2	1.023e2	4.30	n/a	n/a	n/a
S95T003635			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	1.41e+02	1.349e2	1.379e2	4.28	n/a	n/a	n/a
S95T003635			Cyanide EDTA Addition	ug/g	100.6	<1.100e-2	< 6.790	<6.74	n/a	n/a	98.40	6.790	n/a
S95T003635			TOC by Persulfate/Coulometry	ug/g	94.67	5.700	6.31e+03	7.310e3	6.810e3	14.7	n/a	40.00	n/a
S95T003635			TIC by Acid/Coulometry	ug/g	96.84	2.800	1.66e+04	1.920e4	1.790e4	14.5	n/a	5.000	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003606			Bulk Density of Sample	g/mL	n/a	n/a	1.680	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003640			% Water by TGA using Mettler	%	99.77	n/a	28.21	2.665e1	2.743e1	5.69	n/a	n/a	n/a
S95T003640			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	3.90e+02	3.098e2	3.497e2	22.8	n/a	n/a	n/a
S95T003640	1		DSC Exotherm using Mettler	Joules/g	98.77	n/a	54.40	7.820e1	6.630e1	35.9	n/a	n/a	n/a
S95T003640			DSC Exotherm using Mettler	Joules/g	102.6	n/a	2.83e+02	2.248e2	2.538e2	22.8	n/a	n/a	n/a
S95T003640			Cyanide EDTA Addition	ug/g	106.2	<1.100e-2	< 5.450	<5.38	n/a	n/a	93.10	5.450	n/a
S95T003640			TOC by Persulfate/Coulometry	ug/g	96.67	6.000	7.59e+03	6.680e3	7.140e3	12.8	n/a	40.00	n/a
S95T003640			TIC by Acid/Coulometry	ug/g	90.85	5.00e-01	2.16e+04	1.950e4	2.060e4	10.2	n/a	5.000	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003607			Bulk Density of Sample	g/mL	n/a	n/a	1.640	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003644			% Water by TGA using Mettler	%	100.7	n/a	29.20	2.783e1	2.852e1	4.80	n/a	n/a	n/a
S95T003644			DSC Exotherm on Perkin Elmer	Joules/g	99.19	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003644			Cyanide EDTA Addition	ug/g	102.3	<1.100e-2	< 5.300	<5.04	n/a	n/a	96.20	5.300	n/a
S95T003644			TOC by Persulfate/Coulometry	ug/g	96.67	9.00e-01	8.50e+03	8.430e3	8.460e3	0.83	96.80	40.00	n/a
S95T003644			TIC by Acid/Coulometry	ug/g	96.67	5.00e-01	2.30e+04	2.280e4	2.290e4	0.87	85.30	5.000	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003647			Total Carbon by Persulfate	ug/g	92.00	10.30	1.57e+04	1.560e4	1.560e4	0.64	n/a	40.00	n/a
S95T003647			% Water by TGA using Mettler	%	101.4	n/a	26.81	2.436e1	2.559e1	9.58	n/a	n/a	n/a
S95T003647			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	4.84e+02	4.366e2	4.604e2	10.3	n/a	n/a	n/a
S95T003647			DSC Exotherm using Mettler	Joules/g	97.72	n/a	3.60e+02	3.249e2	3.425e2	10.3	n/a	n/a	n/a
S95T003647			Cyanide EDTA Addition	ug/g	95.56	<1.100e-2	68.60	5.790e1	6.325e1	16.9	91.00	2.000e-2	n/a
S95T003647			TOC by Persulfate/Coulometry	ug/g	97.33	4.000	1.28e+04	1.220e4	1.250e4	4.80	n/a	40.00	n/a
S95T003647			TIC by Acid/Coulometry	ug/g	101.2	1.500	6.49e+03	1.190e4	9.200e3	58.8	n/a	5.000	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 8

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003636			Total Carbon by Persulfate	ug/g	92.00	10.30	2.28e+04	2.490e4	2.380e4	8.81	105.0	40.00	n/a
S95T003636			% Water by TGA using Mettler	%	103.2	n/a	26.96	2.676e1	2.686e1	0.74	n/a	n/a	n/a
S95T003636			DSC Exotherm on Perkin Elmer	Joules/g	99.97	n/a	5.39e+02	6.405e2	5.895e2	17.3	n/a	n/a	n/a
S95T003636			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	7.36e+02	8.757e2	8.060e2	17.3	n/a	n/a	n/a
S95T003636			Cyanide EDTA Addition	ug/g	102.6	<3.800e-2	67.70	8.490e1	7.630e1	22.5	131.0	6.810	n/a
S95T003636			TOC by Persulfate/Coulometry	ug/g	99.67	1.000	1.35e+04	1.620e4	1.480e4	18.2	125.0	40.00	n/a
S95T003636			TIC by Acid/Coulometry	ug/g	101.8	4.000	2.57e+03	2.970e3	2.770e3	14.4	117.0	5.000	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003648			% Water by TGA using Mettler	%	100.0	n/a	35.26	3.359e1	3.442e1	4.85	n/a	n/a	n/a
S95T003648			DSC Exotherm Dry Calculated	Joules/g Dry	n/a	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003648			DSC Exotherm using Mettler	Joules/g	102.3	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003648			Cyanide EDTA Addition	ug/g	85.22	<1.100e-2	19.20	1.880e0	1.054e1	164	88.00	2.130	n/a
S95T003648			TOC by Persulfate/Coulometry	ug/g	96.67	9.00e-01	6.75e+03	7.070e3	6.910e3	4.63	n/a	40.00	n/a
S95T003648			TIC by Acid/Coulometry	ug/g	96.67	5.00e-01	3.04e+03	3.110e3	3.080e3	2.28	n/a	5.000	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 1

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003764			% Water by TGA using Mettler	%	100.6	n/a	37.49	3.664e1	3.706e1	2.29	n/a	n/a	n/a
S95T003764			DSC Exotherm using Mettler	Joules/g	95.96	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003764			Cyanide EDTA Addition	ug/g	107.0	<3.800e-2	2.200	2.380e0	2.290e0	7.86	98.10	2.010	n/a

Drainable Liquid: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003761			TOC by Persulfate/Coulometry	ug/mL	97.70	1.00e-01	2.20e+03	2.410e3	2.300e3	9.11	n/a	40.00	n/a
S95T003761			% Water by TGA using Mettler	%	101.4	n/a	49.05	4.893e1	4.899e1	0.24	n/a	n/a	n/a
S95T003761			DSC Exotherm using Mettler	Joules/g	108.3	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003761			Cyanide EDTA Addition	ug/mL	105.6	<1.100e-2	8.400	8.080e0	8.240e0	3.88	99.10	2.200e-1	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 2

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003776			Bulk Density of Sample	g/mL	n/a	n/a	1.740	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003781			% Water by TGA using Mettler	%	100.6	n/a	30.24	2.811e1	2.917e1	7.30	n/a	n/a	n/a
S95T003781			DSC Exotherm using Mettler	Joules/g	101.6	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003781			Cyanide EDTA Addition	ug/g	106.7	<3.800e-2	< 6.620	<6.55	n/a	n/a	102.1	6.620	n/a
S95T003781			TOC by Persulfate/Coulometry	ug/g	100.3	1.500	3.22e+03	3.560e3	3.390e3	10.0	111.0	40.00	n/a
S95T003781			TIC by Acid/Coulometry	ug/g	101.5	7.00e-01	3.05e+04	3.060e4	3.060e4	0.33	109.0	5.000	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003777			Bulk Density of Sample	g/mL	n/a	n/a	1.830	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003782			% Water by TGA using Mettler	%	100.9	n/a	34.40	3.781e1	3.611e1	9.44	n/a	n/a	n/a
S95T003782			DSC Exotherm using Mettler	Joules/g	100.5	n/a	18.80	2.360e1	2.120e1	22.6	n/a	n/a	n/a
S95T003782			Cyanide EDTA Addition	ug/g	106.7	<3.800e-2	< 8.430	<8.51	n/a	n/a	105.8	8.430	n/a
S95T003782			TOC by Persulfate/Coulometry	ug/g	100.3	1.500	1.01e+04	1.060e4	1.040e4	4.83	n/a	40.00	n/a
S95T003782			TIC by Acid/Coulometry	ug/g	101.5	7.00e-01	6.45e+03	4.300e3	5.380e3	40.0	n/a	5.000	n/a

Drainable Liquid: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003775			TOC by Persulfate/Coulometry	ug/mL	97.70	1.00e-01	2.42e+03	2.460e3	2.440e3	1.64	n/a	40.00	n/a
S95T003775			% Water by TGA using Mettler	%	101.4	n/a	48.80	4.895e1	4.888e1	0.31	n/a	n/a	n/a
S95T003775			DSC Exotherm using Mettler	Joules/g	108.3	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003775			Cyanide EDTA Addition	ug/mL	97.70	<1.100e-2	6.940	8.110e0	7.525e0	15.5	97.60	2.200e-1	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 3

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003809			% Water by TGA on Perkin Elmer	%	100.3	n/a	37.06	3.597e1	3.652e1	2.99	n/a	n/a	n/a
S95T003809			DSC Exotherm on Perkin Elmer	Joules/g	100.7	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003809			Cyanide EDTA Addition	ug/g	102.5	<1.100e-2	< 7.130	<7.21	n/a	n/a	105.5	7.130	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003778			Bulk Density of Sample	g/mL	n/a	n/a	1.780	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003783			% Water by TGA on Perkin Elmer	%	100.3	n/a	26.37	2.819e1	2.728e1	6.67	n/a	n/a	n/a
S95T003783			DSC Exotherm on Perkin Elmer	Joules/g	100.7	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003783			Cyanide EDTA Addition	ug/g	101.6	<1.100e-2	19.70	2.340e1	2.155e1	17.2	116.7	8.550	n/a
S95T003783			TOC by Persulfate/Coulometry	ug/g	97.67	1.00e-01	6.49e+03	6.020e3	6.260e3	7.51	n/a	40.00	n/a
S95T003783			TIC by Acid/Coulometry	ug/g	100.5	0.00e+00	1.08e+04	1.230e4	1.160e4	13.0	n/a	5.000	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 4

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003810			% Water by Gravimetric	%	100.3	n/a	15.60	1.460e1	1.510e1	6.62	n/a	1.000e-2	n/a
S95T003810			% Water by TGA using Mettler	%	100.9	n/a	13.86	1.340e1	1.363e1	3.37	n/a	n/a	n/a
S95T003810			DSC Exotherm using Mettler	Joules/g	100.5	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003810			Cyanide EDTA Addition	ug/g	106.7	<1.100e-2	< 7.820	8.390e0	n/a	n/a	103.0	7.820	n/a

Inorganic Analytical Summary - Cores 116 and 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 5

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003779			Bulk Density of Sample	g/mL	n/a	n/a	1.800	n/a	n/a	n/a	n/a	5.000e-1	n/a
S95T003784			% Water by TGA using Mettler	%	103.2	n/a	16.61	1.813e1	1.737e1	8.75	n/a	n/a	n/a
S95T003784			DSC Exotherm on Perkin Elmer	Joules/g	99.02	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003784			Cyanide EDTA Addition	ug/g	101.6	<1.100e-2	< 8.390	<7.93	n/a	n/a	105.5	8.390	n/a
S95T003784			TOC by Persulfate/Coulometry	ug/g	100.3	1.500	3.06e+03	2.950e3	3.000e3	3.66	n/a	40.00	n/a
S95T003784			TIC by Acid/Coulometry	ug/g	101.5	7.00e-01	3.92e+03	3.880e3	3.900e3	1.03	n/a	5.000	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003785			% Water by Gravimetric	%	101.4	n/a	16.14	1.640e1	1.627e1	1.60	n/a	1.000e-2	n/a
S95T003785			% Water by TGA using Mettler	%	103.2	n/a	15.26	1.755e1	1.641e1	14.0	n/a	n/a	n/a
S95T003785			DSC Exotherm on Perkin Elmer	Joules/g	99.02	n/a	0.00e+00	0.000e0	0.000e0	0.00	n/a	n/a	n/a
S95T003785			Cyanide EDTA Addition	ug/g	102.5	<1.100e-2	< 6.160	<5.87	n/a	n/a	107.9	6.160	n/a
S95T003785			TOC by Persulfate/Coulometry	ug/g	100.3	1.500	3.18e+03	3.300e3	3.240e3	3.70	n/a	40.00	n/a
S95T003785			TIC by Acid/Coulometry	ug/g	101.5	7.00e-01	5.52e+03	5.060e3	5.290e3	8.70	n/a	5.000	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 2

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003530		Z	Aluminium -ICP-Fusion	ug/g	97.40	<5.000e-2	5.19e+04	5.450e4	5.320e4	4.89	98.90	1.010e3	n/a
S95T003530		Z	Bismuth -ICP-Fusion	ug/g	100.0	<1.000e-1	<2.02e+03	<1.77e3	n/a	n/a	96.60	2.020e3	n/a
S95T003530		Z	Calcium -ICP-Fusion	ug/g	99.80	<1.000e-1	<2.02e+03	<1.77e3	n/a	n/a	101.7	2.020e3	n/a
S95T003530		Z	Chromium -ICP-Fusion	ug/g	101.6	<1.000e-2	1.84e+04	1.900e4	1.870e4	3.21	99.40	202.0	n/a
S95T003530		Z	Iron -ICP-Fusion	ug/g	104.6	<5.000e-2	8.23e+03	9.690e3	8.960e3	16.3	100.7	1.010e3	n/a
S95T003530		Z	Lithium -ICP-Fusion	ug/g	99.00	<1.000e-2	<2.02e+02	<1.77e2	n/a	n/a	91.70	202.0	n/a
S95T003530		Z	Manganese -ICP-Fusion	ug/g	101.2	<1.000e-2	3.45e+02	4.990e2	4.220e2	36.5	97.80	202.0	n/a
S95T003530		Z	Sodium -ICP-Fusion	ug/g	97.80	1.08e-01	1.98e+05	1.980e5	1.980e5	0.00	102.5	2.020e3	n/a
S95T003530		Z	Nickel -ICP-Fusion	ug/g	101.0	<2.000e-2	1.42e+03	1.640e3	1.530e3	14.4	97.60	404.0	n/a
S95T003530		Z	Phosphorus -ICP-Fusion	ug/g	101.2	<2.000e-1	9.81e+03	4.110e3	6.960e3	81.9	93.80	4.040e3	n/a
S95T003530		Z	Silicon -ICP-Fusion	ug/g	99.00	<5.000e-2	1.48e+03	1.570e3	1.520e3	5.90	98.30	1.010e3	n/a
S95T003530		Z	Uranium -ICP-Fusion	ug/g	98.40	<5.000e-1	<1.01e+04	<8.83e3	n/a	n/a	103.8	1.010e4	n/a
S95T003532		A	Silver -ICP-Acid Digest	ug/g	94.90	<1.000e-2	19.50	1.970e1	1.960e1	1.02	97.30	8.590	n/a
S95T003532		A	Aluminium -ICP-Acid Digest	ug/g	102.4	1.42e-01	6.31e+03	5.420e3	5.860e3	15.2	134.2	42.90	n/a
S95T003532		A	Arsenic -ICP-Acid Digest	ug/g	100.0	<1.000e-1	< 85.90	<9.06e1	n/a	n/a	97.80	85.90	n/a
S95T003532		A	Boron -ICP-Acid Digest	ug/g	110.4	3.68e-01	55.10	1.290e2	9.205e1	80.3	103.4	42.90	n/a
S95T003532		A	Barium -ICP-Acid Digest	ug/g	101.4	<5.000e-2	< 42.90	<4.53e1	n/a	n/a	100.6	42.90	n/a
S95T003532		A	Beryllium -ICP-Acid Digest	ug/g	110.8	<5.000e-3	< 4.290	<4.53e0	n/a	n/a	101.8	4.290	n/a
S95T003532		A	Bismuth -ICP-Acid Digest	ug/g	96.60	<1.000e-1	3.27e+02	<9.06e1	n/a	n/a	32.32	85.90	n/a
S95T003532		A	Calcium -ICP-Acid Digest	ug/g	96.40	1.44e-01	2.69e+02	1.650e2	2.170e2	47.9	71.66	85.90	n/a
S95T003532		A	Cadmium -ICP-Acid Digest	ug/g	94.60	<5.000e-3	71.30	5.580e1	6.355e1	24.4	96.58	4.290	n/a
S95T003532		A	Cerium -ICP-Acid Digest	ug/g	103.2	<1.000e-1	< 85.90	<9.06e1	n/a	n/a	98.40	85.90	n/a
S95T003532		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	< 17.20	<1.81e1	n/a	n/a	99.80	17.20	n/a
S95T003532		A	Chromium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	1.15e+04	8.840e3	1.020e4	26.2	181.2	8.590	n/a
S95T003532		A	Copper -ICP-Acid Digest	ug/g	101.0	<1.000e-2	< 8.590	<9.06e0	n/a	n/a	98.60	8.590	n/a
S95T003532		A	Iron -ICP-Acid Digest	ug/g	97.80	<5.000e-2	3.12e+02	2.040e2	2.580e2	41.9	87.58	42.90	n/a
S95T003532		A	Potassium -ICP-Acid Digest	ug/g	99.00	<5.000e-1	1.40e+03	1.160e3	1.280e3	18.8	109.9	429.0	n/a
S95T003532		A	Lanthanum -ICP-Acid Digest	ug/g	102.4	<5.000e-2	60.30	<4.53e1	n/a	n/a	85.96	42.90	n/a
S95T003532		A	Lithium -ICP-Acid Digest	ug/g	101.8	<1.000e-2	< 8.590	<9.06e0	n/a	n/a	95.20	8.590	n/a
S95T003532		A	Magnesium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	< 85.90	<9.06e1	n/a	n/a	98.80	85.90	n/a
S95T003532		A	Manganese -ICP-Acid Digest	ug/g	94.60	<1.000e-2	81.20	9.620e0	4.541e1	158	76.10	8.590	n/a
S95T003532		A	Molybdenum -ICP-Acid Digest	ug/g	97.40	<5.000e-2	< 42.90	<4.53e1	n/a	n/a	97.60	42.90	n/a
S95T003532		A	Sodium -ICP-Acid Digest	ug/g	115.6	7.26e-01	2.50e+05	2.530e5	2.520e5	1.19	696.8	85.90	n/a
S95T003532		A	Neodymium -ICP-Acid Digest	ug/g	100.6	<1.000e-1	< 85.90	<9.06e1	n/a	n/a	97.80	85.90	n/a
S95T003532		A	Nickel -ICP-Acid Digest	ug/g	96.60	<2.000e-2	87.10	6.270e1	7.490e1	32.6	98.10	17.20	n/a
S95T003532		A	Phosphorus -ICP-Acid Digest	ug/g	96.20	<2.000e-1	1.06e+04	1.920e4	1.490e4	57.7	658.8	172.0	n/a
S95T003532		A	Lead -ICP-Acid Digest	ug/g	93.20	<1.000e-1	< 85.90	<9.06e1	n/a	n/a	109.8	85.90	n/a
S95T003532		A	Sulfur -ICP-Acid Digest	ug/g	94.40	<1.000e-1	4.12e+03	3.320e3	3.720e3	21.5	127.7	85.90	n/a
S95T003532		A	Antimony -ICP-Acid Digest	ug/g	91.60	<6.000e-2	< 51.50	<5.44e1	n/a	n/a	90.80	51.50	n/a
S95T003532		A	Selenium -ICP-Acid Digest	ug/g	98.60	1.03e-01	< 85.90	<9.06e1	n/a	n/a	116.0	85.90	n/a
S95T003532		A	Silicon -ICP-Acid Digest	ug/g	169.6	<5.000e-2	5.25e+02	1.180e3	8.525e2	76.8	205.7	42.90	n/a
S95T003532		A	Samarium -ICP-Acid Digest	ug/g	99.80	<1.000e-1	< 85.90	<9.06e1	n/a	n/a	91.60	85.90	n/a
S95T003532		A	Strontium -ICP-Acid Digest	ug/g	101.4	<1.000e-2	1.15e+02	8.190e1	9.845e1	33.6	97.98	8.590	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003532		A	Titanium-ICP-Acid Digest	ug/g	97.60	<1.000e-2	< 8.590	<9.06e0	n/a	n/a	95.20	8.590	n/a
S95T003532		A	Thallium -ICP-Acid Digest	ug/g	94.60	<2.000e-1	<1.72e+02	<1.81e2	n/a	n/a	90.20	172.0	n/a
S95T003532		A	Uranium -ICP-Acid Digest	ug/g	98.00	<5.000e-1	<4.29e+02	<4.53e2	n/a	n/a	112.0	429.0	n/a
S95T003532		A	Vanadium -ICP-Acid Digest	ug/g	96.00	<5.000e-2	< 42.90	<4.53e1	n/a	n/a	98.40	42.90	n/a
S95T003532		A	Zinc -ICP-Acid Digest	ug/g	94.60	<1.000e-2	52.40	4.060e1	4.650e1	25.4	97.18	8.590	n/a
S95T003532		A	Zirconium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	< 8.590	<9.06e0	n/a	n/a	95.60	8.590	n/a

U Upper Half of Segment: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003531		Z	Aluminium -ICP-Fusion	ug/g	99.40	<5.000e-2	4.73e+03	3.600e3	4.160e3	27.1	97.00	2.330e3	n/a
S95T003531		Z	Bismuth -ICP-Fusion	ug/g	100.4	<1.000e-1	<4.66e+03	<4.15e3	n/a	n/a	100.3	4.660e3	n/a
S95T003531		Z	Calcium -ICP-Fusion	ug/g	101.2	<1.000e-1	<4.66e+03	<4.15e3	n/a	n/a	101.3	4.660e3	n/a
S95T003531		Z	Chromium -ICP-Fusion	ug/g	100.8	<1.000e-2	1.21e+04	9.350e3	1.070e4	25.6	99.00	466.0	n/a
S95T003531		Z	Iron -ICP-Fusion	ug/g	100.8	<5.000e-2	<2.33e+03	<2.08e3	n/a	n/a	99.30	2.330e3	n/a
S95T003531		Z	Lithium -ICP-Fusion	ug/g	103.0	<1.000e-2	<4.66e+02	<4.15e2	n/a	n/a	96.90	466.0	n/a
S95T003531		Z	Manganese -ICP-Fusion	ug/g	100.6	<1.000e-2	<4.66e+02	<4.15e2	n/a	n/a	99.10	466.0	n/a
S95T003531		Z	Sodium -ICP-Fusion	ug/g	101.4	1.89e-01	2.83e+05	2.290e5	2.560e5	21.1	111.5	4.660e3	n/a
S95T003531		Z	Nickel -ICP-Fusion	ug/g	100.0	<2.000e-2	<9.31e+02	<8.31e2	n/a	n/a	98.10	931.0	n/a
S95T003531		Z	Phosphorus -ICP-Fusion	ug/g	98.20	<2.000e-1	2.00e+04	1.860e4	1.930e4	7.25	92.90	9.310e3	n/a
S95T003531		Z	Silicon -ICP-Fusion	ug/g	95.80	<5.000e-2	<2.33e+03	<2.08e3	n/a	n/a	95.60	2.330e3	n/a
S95T003531		Z	Uranium -ICP-Fusion	ug/g	97.30	<5.000e-1	<2.33e+04	<2.08e4	n/a	n/a	86.85	2.330e4	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 3

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003700		Z	Aluminium -ICP-Fusion	ug/g	99.40	<5.000e-2	5.42e+03	5.870e3	5.640e3	7.97	99.10	2.230e3	n/a
S95T003700		Z	Bismuth -ICP-Fusion	ug/g	100.4	<1.000e-1	<4.47e+03	<3.72e3	n/a	n/a	99.60	4.470e3	n/a
S95T003700		Z	Calcium -ICP-Fusion	ug/g	101.2	<1.000e-1	<4.47e+03	<3.72e3	n/a	n/a	101.7	4.470e3	n/a
S95T003700		Z	Chromium -ICP-Fusion	ug/g	100.8	<1.000e-2	1.18e+04	1.180e4	1.180e4	0.00	98.30	447.0	n/a
S95T003700		Z	Iron -ICP-Fusion	ug/g	100.8	<5.000e-2	<2.23e+03	<1.86e3	n/a	n/a	101.3	2.230e3	n/a
S95T003700		Z	Lithium -ICP-Fusion	ug/g	103.0	<1.000e-2	<4.47e+02	<3.72e2	n/a	n/a	97.80	447.0	n/a
S95T003700		Z	Manganese -ICP-Fusion	ug/g	100.6	<1.000e-2	<4.47e+02	<3.72e2	n/a	n/a	99.10	447.0	n/a
S95T003700		Z	Sodium -ICP-Fusion	ug/g	101.4	1.89e-01	2.73e+05	2.710e5	2.720e5	0.74	113.2	4.470e3	n/a
S95T003700		Z	Nickel -ICP-Fusion	ug/g	100.0	<2.000e-2	<8.93e+02	<7.44e2	n/a	n/a	98.10	893.0	n/a
S95T003700		Z	Phosphorus -ICP-Fusion	ug/g	98.20	<2.000e-1	<8.93e+03	<7.44e3	n/a	n/a	103.2	8.930e3	n/a
S95T003700		Z	Silicon -ICP-Fusion	ug/g	95.80	<5.000e-2	<2.23e+03	<1.86e3	n/a	n/a	96.40	2.230e3	n/a
S95T003700		Z	Uranium -ICP-Fusion	ug/g	97.30	<5.000e-1	<2.23e+04	<1.86e4	n/a	n/a	94.65	2.230e4	n/a

L Lower Half of Segment: L Lower Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003533		A	Silver -ICP-Acid Digest	ug/g	94.90	<1.000e-2	22.40	2.350e1	2.295e1	4.79	n/a	9.590	n/a
S95T003533		A	Aluminium -ICP-Acid Digest	ug/g	102.4	1.42e-01	7.33e+03	6.990e3	7.160e3	4.75	n/a	48.00	n/a
S95T003533		A	Arsenic -ICP-Acid Digest	ug/g	100.0	<1.000e-1	< 95.90	<9.63e1	n/a	n/a	n/a	95.90	n/a
S95T003533		A	Boron -ICP-Acid Digest	ug/g	110.4	3.68e-01	< 47.10	<4.82e1	n/a	n/a	n/a	48.00	n/a
S95T003533		A	Barium -ICP-Acid Digest	ug/g	101.4	<5.000e-2	< 47.10	<4.82e1	n/a	n/a	n/a	48.00	n/a
S95T003533		A	Beryllium -ICP-Acid Digest	ug/g	110.8	<5.000e-3	< 4.710	<4.82e0	n/a	n/a	n/a	4.800	n/a
S95T003533		A	Bismuth -ICP-Acid Digest	ug/g	96.60	<1.000e-1	< 95.90	<9.63e1	n/a	n/a	n/a	95.90	n/a
S95T003533		A	Calcium -ICP-Acid Digest	ug/g	96.40	1.44e-01	3.06e+02	2.140e2	2.600e2	35.4	n/a	95.90	n/a
S95T003533		A	Cadmium -ICP-Acid Digest	ug/g	94.60	<5.000e-3	13.30	1.360e1	1.345e1	2.23	n/a	4.800	n/a
S95T003533		A	Cerium -ICP-Acid Digest	ug/g	103.2	<1.000e-1	< 95.90	<9.63e1	n/a	n/a	n/a	95.90	n/a
S95T003533		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	< 19.20	<1.93e1	n/a	n/a	n/a	19.20	n/a
S95T003533		A	Chromium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	4.30e+03	4.070e3	4.180e3	5.50	n/a	9.590	n/a
S95T003533		A	Copper -ICP-Acid Digest	ug/g	101.0	<1.000e-2	< 9.590	<9.63e0	n/a	n/a	n/a	9.590	n/a
S95T003533		A	Iron -ICP-Acid Digest	ug/g	97.80	<5.000e-2	7.98e+02	7.040e2	7.510e2	12.5	n/a	48.00	n/a
S95T003533		A	Potassium -ICP-Acid Digest	ug/g	99.00	<5.000e-1	1.25e+03	1.290e3	1.270e3	3.15	n/a	471.0	n/a
S95T003533		A	Lanthanum -ICP-Acid Digest	ug/g	102.4	<5.000e-2	< 47.10	<4.82e1	n/a	n/a	n/a	48.00	n/a
S95T003533		A	Lithium -ICP-Acid Digest	ug/g	101.8	<1.000e-2	< 9.590	<9.63e0	n/a	n/a	n/a	9.590	n/a
S95T003533		A	Magnesium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	< 95.90	<9.63e1	n/a	n/a	n/a	95.90	n/a
S95T003533		A	Manganese -ICP-Acid Digest	ug/g	94.60	<1.000e-2	35.80	3.340e1	3.460e1	6.94	n/a	9.590	n/a
S95T003533		A	Molybdenum -ICP-Acid Digest	ug/g	97.40	<5.000e-2	< 47.10	<4.82e1	n/a	n/a	n/a	48.00	n/a
S95T003533		A	Sodium -ICP-Acid Digest	ug/g	115.6	7.26e-01	2.52e+05	2.650e5	2.580e5	5.03	n/a	95.90	n/a
S95T003533		A	Neodymium -ICP-Acid Digest	ug/g	100.6	<1.000e-1	< 95.90	<9.63e1	n/a	n/a	n/a	95.90	n/a
S95T003533		A	Nickel -ICP-Acid Digest	ug/g	96.60	<2.000e-2	2.25e+02	1.990e2	2.120e2	12.3	n/a	19.20	n/a
S95T003533		A	Phosphorus -ICP-Acid Digest	ug/g	96.20	<2.000e-1	2.81e+03	3.100e3	2.960e3	9.81	n/a	192.0	n/a
S95T003533		A	Lead -ICP-Acid Digest	ug/g	93.20	<1.000e-1	< 95.90	<9.63e1	n/a	n/a	n/a	95.90	n/a
S95T003533		A	Sulfur -ICP-Acid Digest	ug/g	94.40	<1.000e-1	7.31e+03	6.770e3	7.040e3	7.67	n/a	95.90	n/a
S95T003533		A	Antimony -ICP-Acid Digest	ug/g	91.60	<6.000e-2	< 57.50	<5.78e1	n/a	n/a	n/a	57.50	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003533		A	Selenium -ICP-Acid Digest	ug/g	98.60	1.03e-01	1.01e+02	9.930e1	1.002e2	1.70	n/a	95.90	n/a
S95T003533		A	Silicon -ICP-Acid Digest	ug/g	169.6	<5.000e-2	3.24e+02	3.940e2	3.590e2	19.5	n/a	48.00	n/a
S95T003533		A	Samarium -ICP-Acid Digest	ug/g	99.80	<1.000e-1	< 95.90	<9.63e1	n/a	n/a	n/a	95.90	n/a
S95T003533		A	Strontium -ICP-Acid Digest	ug/g	101.4	<1.000e-2	3.27e+02	2.690e2	2.980e2	19.5	n/a	9.590	n/a
S95T003533		A	Titanium-ICP-Acid Digest	ug/g	97.60	<1.000e-2	< 9.590	<9.63e0	n/a	n/a	n/a	9.590	n/a
S95T003533		A	Thallium -ICP-Acid Digest	ug/g	94.60	<2.000e-1	<1.92e+02	<1.93e2	n/a	n/a	n/a	192.0	n/a
S95T003533		A	Uranium -ICP-Acid Digest	ug/g	98.00	<5.000e-1	<4.71e+02	<4.82e2	n/a	n/a	n/a	471.0	n/a
S95T003533		A	Vanadium -ICP-Acid Digest	ug/g	96.00	<5.000e-2	< 47.10	<4.82e1	n/a	n/a	n/a	48.00	n/a
S95T003533		A	Zinc -ICP-Acid Digest	ug/g	94.60	<1.000e-2	17.40	1.670e1	1.705e1	4.11	n/a	9.590	n/a
S95T003533		A	Zirconium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	< 9.590	<9.63e0	n/a	n/a	n/a	9.590	n/a
S95T003701		Z	Aluminium -ICP-Fusion	ug/g	99.40	<5.000e-2	5.64e+03	7.110e3	6.380e3	23.1	100.2	2.290e3	n/a
S95T003701		Z	Bismuth -ICP-Fusion	ug/g	100.4	<1.000e-1	<4.59e+03	<3.47e3	n/a	n/a	101.0	4.580e3	n/a
S95T003701		Z	Calcium -ICP-Fusion	ug/g	101.2	<1.000e-1	<4.59e+03	<3.47e3	n/a	n/a	101.0	4.580e3	n/a
S95T003701		Z	Chromium -ICP-Fusion	ug/g	100.8	<1.000e-2	4.29e+03	4.280e3	4.280e3	0.23	99.70	458.0	n/a
S95T003701		Z	Iron -ICP-Fusion	ug/g	100.8	<5.000e-2	<2.29e+03	<1.75e3	n/a	n/a	102.5	2.290e3	n/a
S95T003701		Z	Lithium -ICP-Fusion	ug/g	103.0	<1.000e-2	<4.59e+02	<3.47e2	n/a	n/a	96.90	458.0	n/a
S95T003701		Z	Manganese -ICP-Fusion	ug/g	100.6	<1.000e-2	<4.59e+02	<3.47e2	n/a	n/a	100.0	458.0	n/a
S95T003701		Z	Sodium -ICP-Fusion	ug/g	101.4	1.89e-01	2.87e+05	2.750e5	2.810e5	4.27	91.40	4.580e3	n/a
S95T003701		Z	Nickel -ICP-Fusion	ug/g	100.0	<2.000e-2	<9.15e+02	<6.94e2	n/a	n/a	99.10	915.0	n/a
S95T003701		Z	Phosphorus -ICP-Fusion	ug/g	98.20	<2.000e-1	<9.15e+03	<6.94e3	n/a	n/a	105.7	9.150e3	n/a
S95T003701		Z	Silicon -ICP-Fusion	ug/g	95.80	<5.000e-2	<2.29e+03	<1.75e3	n/a	n/a	96.90	2.290e3	n/a
S95T003701		Z	Uranium -ICP-Fusion	ug/g	97.30	<5.000e-1	<2.29e+04	<1.75e4	n/a	n/a	93.95	2.290e4	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 4

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003649		Z	Aluminium -ICP-Fusion	ug/g	97.40	<5.000e-2	2.07e+04	1.970e4	2.020e4	4.95	93.20	875.0	n/a
S95T003649		Z	Bismuth -ICP-Fusion	ug/g	100.0	<1.000e-1	<1.75e+03	<1.84e3	n/a	n/a	94.90	1.750e3	n/a
S95T003649		Z	Calcium -ICP-Fusion	ug/g	99.80	<1.000e-1	<1.75e+03	<1.84e3	n/a	n/a	96.60	1.750e3	n/a
S95T003649		Z	Chromium -ICP-Fusion	ug/g	101.6	<1.000e-2	2.96e+03	2.850e3	2.900e3	3.79	99.40	175.0	n/a
S95T003649		Z	Iron -ICP-Fusion	ug/g	104.6	<5.000e-2	9.93e+02	1.060e3	1.030e3	6.53	101.2	875.0	n/a
S95T003649		Z	Lithium -ICP-Fusion	ug/g	99.00	<1.000e-2	<1.75e+02	<1.84e2	n/a	n/a	89.50	175.0	n/a
S95T003649		Z	Manganese -ICP-Fusion	ug/g	101.2	<1.000e-2	<1.75e+02	<1.84e2	n/a	n/a	98.50	175.0	n/a
S95T003649		Z	Sodium -ICP-Fusion	ug/g	97.80	1.08e-01	2.57e+05	2.500e5	2.540e5	2.76	62.30	1.750e3	n/a
S95T003649		Z	Nickel -ICP-Fusion	ug/g	101.0	<2.000e-2	<3.50e+02	<3.67e2	n/a	n/a	99.50	350.0	n/a
S95T003649		Z	Phosphorus -ICP-Fusion	ug/g	101.2	<2.000e-1	<3.50e+03	<3.67e3	n/a	n/a	109.3	3.500e3	n/a
S95T003649		Z	Silicon -ICP-Fusion	ug/g	99.00	<5.000e-2	<8.75e+02	<9.19e2	n/a	n/a	98.00	875.0	n/a
S95T003649		Z	Uranium -ICP-Fusion	ug/g	98.40	<5.000e-1	<8.75e+03	<9.19e3	n/a	n/a	96.35	8.750e3	n/a
S95T003666		A	Silver -ICP-Acid Digest	ug/g	94.90	<1.000e-2	21.00	2.170e1	2.135e1	3.28	n/a	9.500	n/a
S95T003666		A	Aluminium -ICP-Acid Digest	ug/g	102.4	1.42e-01	2.10e+04	1.950e4	2.020e4	7.41	n/a	47.50	n/a
S95T003666		A	Arsenic -ICP-Acid Digest	ug/g	100.0	<1.000e-1	< 95.00	<8.94e1	n/a	n/a	n/a	95.00	n/a
S95T003666		A	Boron -ICP-Acid Digest	ug/g	110.4	3.68e-01	62.50	6.610e1	6.430e1	5.60	n/a	47.50	n/a
S95T003666		A	Barium -ICP-Acid Digest	ug/g	101.4	<5.000e-2	< 47.50	<4.47e1	n/a	n/a	n/a	47.50	n/a
S95T003666		A	Beryllium -ICP-Acid Digest	ug/g	110.8	<5.000e-3	< 4.750	<4.47e0	n/a	n/a	n/a	4.750	n/a
S95T003666		A	Bismuth -ICP-Acid Digest	ug/g	96.60	<1.000e-1	< 95.00	<8.94e1	n/a	n/a	n/a	95.00	n/a
S95T003666		A	Calcium -ICP-Acid Digest	ug/g	96.40	1.44e-01	3.31e+02	2.960e2	3.135e2	11.2	n/a	95.00	n/a
S95T003666		A	Cadmium -ICP-Acid Digest	ug/g	94.60	<5.000e-3	14.40	1.470e1	1.455e1	2.06	n/a	4.750	n/a
S95T003666		A	Cerium -ICP-Acid Digest	ug/g	103.2	<1.000e-1	< 95.00	<8.94e1	n/a	n/a	n/a	95.00	n/a
S95T003666		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	< 19.00	<1.79e1	n/a	n/a	n/a	19.00	n/a
S95T003666		A	Chromium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	3.00e+03	2.800e3	2.900e3	6.90	n/a	9.500	n/a
S95T003666		A	Copper -ICP-Acid Digest	ug/g	101.0	<1.000e-2	< 9.500	<8.94e0	n/a	n/a	n/a	9.500	n/a
S95T003666		A	Iron -ICP-Acid Digest	ug/g	97.80	<5.000e-2	8.82e+02	8.220e2	8.520e2	7.04	n/a	47.50	n/a
S95T003666		A	Potassium -ICP-Acid Digest	ug/g	99.00	<5.000e-1	3.29e+03	3.090e3	3.190e3	6.27	n/a	475.0	n/a
S95T003666		A	Lanthanum -ICP-Acid Digest	ug/g	102.4	<5.000e-2	< 47.50	<4.47e1	n/a	n/a	n/a	47.50	n/a
S95T003666		A	Lithium -ICP-Acid Digest	ug/g	101.8	<1.000e-2	< 9.500	<8.94e0	n/a	n/a	n/a	9.500	n/a
S95T003666		A	Magnesium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	< 95.00	<8.94e1	n/a	n/a	n/a	95.00	n/a
S95T003666		A	Manganese -ICP-Acid Digest	ug/g	94.60	<1.000e-2	46.20	4.320e1	4.470e1	6.71	n/a	9.500	n/a
S95T003666		A	Molybdenum -ICP-Acid Digest	ug/g	97.40	<5.000e-2	< 47.50	<4.47e1	n/a	n/a	n/a	47.50	n/a
S95T003666		A	Sodium -ICP-Acid Digest	ug/g	115.6	7.26e-01	2.44e+05	2.530e5	2.480e5	3.62	n/a	95.00	n/a
S95T003666		A	Neodymium -ICP-Acid Digest	ug/g	100.6	<1.000e-1	< 95.00	<8.94e1	n/a	n/a	n/a	95.00	n/a
S95T003666		A	Nickel -ICP-Acid Digest	ug/g	96.60	<2.000e-2	2.53e+02	2.430e2	2.480e2	4.03	n/a	19.00	n/a
S95T003666		A	Phosphorus -ICP-Acid Digest	ug/g	96.20	<2.000e-1	1.97e+03	3.900e3	2.940e3	65.8	n/a	190.0	n/a
S95T003666		A	Lead -ICP-Acid Digest	ug/g	93.20	<1.000e-1	< 95.00	9.260e1	n/a	n/a	n/a	95.00	n/a
S95T003666		A	Sulfur -ICP-Acid Digest	ug/g	94.40	<1.000e-1	9.15e+03	8.460e3	8.800e3	7.84	n/a	95.00	n/a
S95T003666		A	Antimony -ICP-Acid Digest	ug/g	91.60	<6.000e-2	< 57.00	<5.36e1	n/a	n/a	n/a	57.00	n/a
S95T003666		A	Selenium -ICP-Acid Digest	ug/g	98.60	1.03e-01	95.60	9.430e1	9.495e1	1.37	n/a	95.00	n/a
S95T003666		A	Silicon -ICP-Acid Digest	ug/g	169.6	<5.000e-2	2.73e+02	3.430e2	3.080e2	22.7	n/a	47.50	n/a
S95T003666		A	Samarium -ICP-Acid Digest	ug/g	99.80	<1.000e-1	< 95.00	<8.94e1	n/a	n/a	n/a	95.00	n/a
S95T003666		A	Strontium -ICP-Acid Digest	ug/g	101.4	<1.000e-2	3.38e+02	3.100e2	3.240e2	8.64	n/a	9.500	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003666		A	Titanium-ICP-Acid Digest	ug/g	97.60	<1.000e-2	< 9.500	<8.94e0	n/a	n/a	n/a	9.500	n/a
S95T003666		A	Thallium -ICP-Acid Digest	ug/g	94.60	<2.000e-1	<1.90e+02	<1.79e2	n/a	n/a	n/a	190.0	n/a
S95T003666		A	Uranium -ICP-Acid Digest	ug/g	98.00	<5.000e-1	5.85e+02	5.560e2	5.705e2	5.08	n/a	475.0	n/a
S95T003666		A	Vanadium -ICP-Acid Digest	ug/g	96.00	<5.000e-2	< 47.50	<4.47e1	n/a	n/a	n/a	47.50	n/a
S95T003666		A	Zinc -ICP-Acid Digest	ug/g	94.60	<1.000e-2	19.50	2.250e1	2.100e1	14.3	n/a	9.500	n/a
S95T003666		A	Zirconium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	< 9.500	<8.94e0	n/a	n/a	n/a	9.500	n/a
S95T003683		W	Silver -ICP-H20 Dig/Acid	ug/g	100.0	<1.000e-2	< 9.460	<9.54e0	n/a	n/a	74.60	9.460	n/a
S95T003683		W	Aluminium -ICP-H20 Dig/Acid	ug/g	100.2	<5.000e-2	2.15e+04	2.260e4	2.200e4	4.99	91.90	47.30	n/a
S95T003683		W	Arsenic -ICP-H20 Dig/Acid	ug/g	103.8	<1.000e-1	< 94.60	<9.54e1	n/a	n/a	103.8	94.60	n/a
S95T003683		W	Boron -ICP-H20 Dig/Acid	ug/g	101.6	<5.000e-2	< 47.30	<4.77e1	n/a	n/a	101.8	47.30	n/a
S95T003683		W	Barium -ICP-H20 Dig/Acid	ug/g	100.4	<5.000e-2	< 47.30	<4.77e1	n/a	n/a	100.6	47.30	n/a
S95T003683		W	Beryllium -ICP-H20 Dig/Acid	ug/g	104.4	<5.000e-3	< 4.730	<4.77e0	n/a	n/a	103.6	4.730	n/a
S95T003683		W	Bismuth -ICP-H20 Dig/Acid	ug/g	101.4	<1.000e-1	< 94.60	<9.54e1	n/a	n/a	101.0	94.60	n/a
S95T003683		W	Calcium -ICP-H20 Dig/Acid	ug/g	100.0	<1.000e-1	< 94.60	<9.54e1	n/a	n/a	103.6	94.60	n/a
S95T003683		W	Cadmium -ICP-H20 Dig/Acid	ug/g	102.2	<5.000e-3	< 4.730	<4.77e0	n/a	n/a	101.6	4.730	n/a
S95T003683		W	Cerium -ICP-H20 Dig/Acid	ug/g	103.4	<1.000e-1	< 94.60	<9.54e1	n/a	n/a	100.0	94.60	n/a
S95T003683		W	Cobalt -ICP-H20 Dig/Acid	ug/g	104.2	<2.000e-2	< 18.90	<1.91e1	n/a	n/a	103.4	18.90	n/a
S95T003683		W	Chromium -ICP-H20 Dig/Acid	ug/g	103.2	<1.000e-2	2.90e+03	3.090e3	3.000e3	6.34	105.0	9.460	n/a
S95T003683		W	Copper -ICP-H20 Dig/Acid	ug/g	101.0	<1.000e-2	< 9.460	<9.54e0	n/a	n/a	101.0	9.460	n/a
S95T003683		W	Iron -ICP-H20 Dig/Acid	ug/g	100.4	<5.000e-2	< 47.30	<4.77e1	n/a	n/a	101.6	47.30	n/a
S95T003683		W	Potassium -ICP-H20 Dig/Acid	ug/g	101.0	<5.000e-1	3.21e+03	3.500e3	3.360e3	8.64	106.9	473.0	n/a
S95T003683		W	Lanthanum -ICP-H20 Dig/Acid	ug/g	99.80	<5.000e-2	< 47.30	<4.77e1	n/a	n/a	101.8	47.30	n/a
S95T003683		W	Lithium -ICP-H20 Dig/Acid	ug/g	101.0	<1.000e-2	< 9.460	<9.54e0	n/a	n/a	96.40	9.460	n/a
S95T003683		W	Magnesium -ICP-H20 Dig/Acid	ug/g	101.0	<1.000e-1	< 94.60	<9.54e1	n/a	n/a	99.80	94.60	n/a
S95T003683		W	Manganese -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-2	< 9.460	<9.54e0	n/a	n/a	102.0	9.460	n/a
S95T003683		W	Molybdenum -ICP-H20 Dig/Acid	ug/g	103.8	<5.000e-2	< 47.30	<4.77e1	n/a	n/a	105.8	47.30	n/a
S95T003683		W	Sodium -ICP-H20 Dig/Acid	ug/g	100.4	1.84e-01	2.73e+05	2.620e5	2.680e5	4.11	n/a	94.60	n/a
S95T003683		W	Neodymium -ICP-H20 Dig/Acid	ug/g	98.80	<1.000e-1	< 94.60	<9.54e1	n/a	n/a	100.8	94.60	n/a
S95T003683		W	Nickel -ICP-H20 Dig/Acid	ug/g	102.2	<2.000e-2	< 18.90	<1.91e1	n/a	n/a	103.0	18.90	n/a
S95T003683		W	Phosphorus -ICP-H20 Dig/Acid	ug/g	103.2	<2.000e-1	1.97e+03	1.960e3	1.960e3	0.51	98.00	189.0	n/a
S95T003683		W	Lead -ICP-H20 Dig/Acid	ug/g	102.6	<1.000e-1	< 94.60	<9.54e1	n/a	n/a	100.2	94.60	n/a
S95T003683		W	Sulfur -ICP-H20 Dig/Acid	ug/g	102.6	<1.000e-1	9.38e+03	9.250e3	9.320e3	1.40	90.10	94.60	n/a
S95T003683		W	Antimony -ICP-H20 Dig/Acid	ug/g	93.80	<6.000e-2	< 56.80	<5.72e1	n/a	n/a	96.60	56.80	n/a
S95T003683		W	Selenium -ICP-H20 Dig/Acid	ug/g	101.2	<1.000e-1	< 94.60	<9.54e1	n/a	n/a	109.6	94.60	n/a
S95T003683		W	Silicon -ICP-H20 Dig/Acid	ug/g	95.80	<5.000e-2	1.32e+02	1.500e2	1.410e2	12.8	105.3	47.30	n/a
S95T003683		W	Samarium -ICP-H20 Dig/Acid	ug/g	100.4	<1.000e-1	< 94.60	<9.54e1	n/a	n/a	102.4	94.60	n/a
S95T003683		W	Strontium -ICP-H20 Dig/Acid	ug/g	100.4	<1.000e-2	< 9.460	<9.54e0	n/a	n/a	101.0	9.460	n/a
S95T003683		W	Titanium-ICP-H20 Dig/Acid	ug/g	99.60	<1.000e-2	< 9.460	<9.54e0	n/a	n/a	99.80	9.460	n/a
S95T003683		W	Thallium -ICP-H20 Dig/Acid	ug/g	97.20	<2.000e-1	<1.89e+02	<1.91e2	n/a	n/a	97.60	189.0	n/a
S95T003683		W	Uranium -ICP-H20 Dig/Acid	ug/g	94.40	<5.000e-1	<4.73e+02	<4.77e2	n/a	n/a	104.0	473.0	n/a
S95T003683		W	Vanadium -ICP-H20 Dig/Acid	ug/g	102.8	<5.000e-2	< 47.30	<4.77e1	n/a	n/a	103.4	47.30	n/a
S95T003683		W	Zinc -ICP-H20 Dig/Acid	ug/g	104.4	<1.000e-2	< 9.460	<9.54e0	n/a	n/a	104.0	9.460	n/a
S95T003683		W	Zirconium -ICP-H20 Dig/Acid	ug/g	99.60	<1.000e-2	< 9.460	<9.54e0	n/a	n/a	100.8	9.460	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003650		Z	Aluminium -ICP-Fusion	ug/g	100.0	<5.000e-2	2.29e+04	2.110e4	2.200e4	8.18	100.9	936.0	n/a
S95T003650		Z	Bismuth -ICP-Fusion	ug/g	99.60	<1.000e-1	<1.87e+03	<1.89e3	n/a	n/a	96.80	1.870e3	n/a
S95T003650		Z	Calcium -ICP-Fusion	ug/g	100.6	<1.000e-1	<1.87e+03	<1.89e3	n/a	n/a	101.2	1.870e3	n/a
S95T003650		Z	Chromium -ICP-Fusion	ug/g	101.4	1.20e-02	1.88e+03	1.840e3	1.860e3	2.15	100.4	187.0	n/a
S95T003650		Z	Iron -ICP-Fusion	ug/g	101.4	9.40e-02	<9.36e+02	<9.45e2	n/a	n/a	104.1	936.0	n/a
S95T003650		Z	Lithium -ICP-Fusion	ug/g	101.8	<1.000e-2	<1.87e+02	<1.89e2	n/a	n/a	93.70	187.0	n/a
S95T003650		Z	Manganese -ICP-Fusion	ug/g	100.2	<1.000e-2	<1.87e+02	<1.89e2	n/a	n/a	98.80	187.0	n/a
S95T003650		Z	Sodium -ICP-Fusion	ug/g	100.8	11.00	2.29e+05	2.310e5	2.300e5	0.87	90.60	1.870e3	n/a
S95T003650		Z	Nickel -ICP-Fusion	ug/g	100.2	<2.000e-2	<3.74e+02	<3.78e2	n/a	n/a	98.80	374.0	n/a
S95T003650		Z	Phosphorus -ICP-Fusion	ug/g	109.0	<2.000e-1	<3.74e+03	<3.78e3	n/a	n/a	127.8	3.740e3	n/a
S95T003650		Z	Silicon -ICP-Fusion	ug/g	96.20	<5.000e-2	<9.36e+02	<9.45e2	n/a	n/a	98.00	936.0	n/a
S95T003650		Z	Uranium -ICP-Fusion	ug/g	94.30	8.19e-01	<9.36e+03	<9.45e3	n/a	n/a	88.30	9.360e3	n/a
S95T003684		W	Silver -ICP-H20 Dig/Acid	ug/g	99.60	<1.000e-2	< 8.720	<8.77e0	n/a	n/a	54.20	8.730	n/a
S95T003684		W	Aluminium -ICP-H20 Dig/Acid	ug/g	99.80	<5.000e-2	2.81e+04	2.260e4	2.540e4	21.7	114.3	43.60	n/a
S95T003684		W	Arsenic -ICP-H20 Dig/Acid	ug/g	102.6	<1.000e-1	< 87.20	<8.77e1	n/a	n/a	103.6	87.20	n/a
S95T003684		W	Boron -ICP-H20 Dig/Acid	ug/g	103.6	<5.000e-2	< 43.60	<4.39e1	n/a	n/a	104.0	43.60	n/a
S95T003684		W	Barium -ICP-H20 Dig/Acid	ug/g	102.2	<5.000e-2	< 43.60	<4.39e1	n/a	n/a	102.8	43.60	n/a
S95T003684		W	Beryllium -ICP-H20 Dig/Acid	ug/g	105.2	<5.000e-3	< 4.360	<4.39e0	n/a	n/a	104.4	4.360	n/a
S95T003684		W	Bismuth -ICP-H20 Dig/Acid	ug/g	101.2	<1.000e-1	< 87.20	<8.77e1	n/a	n/a	102.6	87.20	n/a
S95T003684		W	Calcium -ICP-H20 Dig/Acid	ug/g	101.6	<1.000e-1	< 87.20	<8.77e1	n/a	n/a	102.6	87.20	n/a
S95T003684		W	Cadmium -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-3	< 4.360	<4.39e0	n/a	n/a	101.8	4.360	n/a
S95T003684		W	Cerium -ICP-H20 Dig/Acid	ug/g	103.6	<1.000e-1	< 87.20	<8.77e1	n/a	n/a	101.6	87.20	n/a
S95T003684		W	Cobalt -ICP-H20 Dig/Acid	ug/g	102.4	<2.000e-2	< 17.40	<1.75e1	n/a	n/a	102.0	17.50	n/a
S95T003684		W	Chromium -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-2	2.10e+03	1.690e3	1.900e3	21.6	101.5	8.730	n/a
S95T003684		W	Copper -ICP-H20 Dig/Acid	ug/g	103.2	<1.000e-2	< 8.720	<8.77e0	n/a	n/a	103.6	8.730	n/a
S95T003684		W	Iron -ICP-H20 Dig/Acid	ug/g	103.2	<5.000e-2	< 43.60	<4.39e1	n/a	n/a	105.0	43.60	n/a
S95T003684		W	Potassium -ICP-H20 Dig/Acid	ug/g	102.8	<5.000e-1	4.58e+03	3.670e3	4.120e3	22.1	98.90	436.0	n/a
S95T003684		W	Lanthanum -ICP-H20 Dig/Acid	ug/g	102.6	<5.000e-2	< 43.60	<4.39e1	n/a	n/a	103.8	43.60	n/a
S95T003684		W	Lithium -ICP-H20 Dig/Acid	ug/g	103.4	<1.000e-2	< 8.720	<8.77e0	n/a	n/a	98.60	8.730	n/a
S95T003684		W	Magnesium -ICP-H20 Dig/Acid	ug/g	98.60	<1.000e-1	< 87.20	<8.77e1	n/a	n/a	97.00	87.20	n/a
S95T003684		W	Manganese -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-2	< 8.720	<8.77e0	n/a	n/a	102.6	8.730	n/a
S95T003684		W	Molybdenum -ICP-H20 Dig/Acid	ug/g	101.8	<5.000e-2	< 43.60	<4.39e1	n/a	n/a	106.0	43.60	n/a
S95T003684		W	Sodium -ICP-H20 Dig/Acid	ug/g	102.2	<1.000e-1	2.44e+05	2.410e5	2.420e5	1.24	609.4	87.20	n/a
S95T003684		W	Neodymium -ICP-H20 Dig/Acid	ug/g	105.8	<1.000e-1	< 87.20	<8.77e1	n/a	n/a	107.0	87.20	n/a
S95T003684		W	Nickel -ICP-H20 Dig/Acid	ug/g	101.6	<2.000e-2	< 17.40	<1.75e1	n/a	n/a	102.4	17.50	n/a
S95T003684		W	Phosphorus -ICP-H20 Dig/Acid	ug/g	100.4	<2.000e-1	2.42e+03	2.660e3	2.540e3	9.45	93.00	174.0	n/a
S95T003684		W	Lead -ICP-H20 Dig/Acid	ug/g	102.2	<1.000e-1	< 87.20	<8.77e1	n/a	n/a	100.6	87.20	n/a
S95T003684		W	Sulfur -ICP-H20 Dig/Acid	ug/g	99.40	<1.000e-1	8.37e+03	7.690e3	8.030e3	8.47	92.30	87.20	n/a
S95T003684		W	Antimony -ICP-H20 Dig/Acid	ug/g	95.00	<6.000e-2	< 52.30	<5.26e1	n/a	n/a	95.60	52.30	n/a
S95T003684		W	Selenium -ICP-H20 Dig/Acid	ug/g	100.8	<1.000e-1	< 87.20	<8.77e1	n/a	n/a	113.2	87.20	n/a
S95T003684		W	Silicon -ICP-H20 Dig/Acid	ug/g	95.00	<5.000e-2	68.30	5.840e1	6.335e1	15.6	99.20	43.60	n/a
S95T003684		W	Samarium -ICP-H20 Dig/Acid	ug/g	103.0	<1.000e-1	< 87.20	<8.77e1	n/a	n/a	104.2	87.20	n/a
S95T003684		W	Strontium -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-2	< 8.720	<8.77e0	n/a	n/a	102.8	8.730	n/a
S95T003684		W	Titanium-ICP-H20 Dig/Acid	ug/g	99.80	<1.000e-2	< 8.720	<8.77e0	n/a	n/a	100.2	8.730	n/a
S95T003684		W	Thallium -ICP-H20 Dig/Acid	ug/g	97.40	<2.000e-1	<1.74e+02	<1.75e2	n/a	n/a	94.80	174.0	n/a
S95T003684		W	Uranium -ICP-H20 Dig/Acid	ug/g	101.0	<5.000e-1	<4.36e+02	<4.39e2	n/a	n/a	103.0	436.0	n/a
S95T003684		W	Vanadium -ICP-H20 Dig/Acid	ug/g	103.0	<5.000e-2	< 43.60	<4.39e1	n/a	n/a	104.4	43.60	n/a
S95T003684		W	Zinc -ICP-H20 Dig/Acid	ug/g	102.8	<1.000e-2	< 8.720	<8.77e0	n/a	n/a	102.6	8.730	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003684		W	Zirconium -ICP-H20 Dig/Acid	ug/g	101.0	<1.000e-2	< 8.720	<8.77e0	n/a	n/a	101.8	8.730	n/a
S96T000604		A	Silver -ICP-Acid Digest	ug/g	94.50	<1.000e-2	19.60	1.740e1	1.850e1	11.9	86.40	5.600	n/a
S96T000604		A	Aluminium -ICP-Acid Digest	ug/g	93.20	1.04e-01	2.07e+04	1.750e4	1.910e4	16.8	95.64	28.00	n/a
S96T000604		A	Arsenic -ICP-Acid Digest	ug/g	98.60	<1.000e-1	< 56.00	<4.99e1	n/a	n/a	92.40	56.00	n/a
S96T000604		A	Boron -ICP-Acid Digest	ug/g	94.80	5.77e-01	< 28.00	<2.41e1	n/a	n/a	88.40	28.00	n/a
S96T000604		A	Barium -ICP-Acid Digest	ug/g	96.40	<5.000e-2	< 28.00	<2.41e1	n/a	n/a	89.60	28.00	n/a
S96T000604		A	Beryllium -ICP-Acid Digest	ug/g	105.0	<5.000e-3	< 2.800	<2.41e0	n/a	n/a	96.40	2.800	n/a
S96T000604		A	Bismuth -ICP-Acid Digest	ug/g	94.60	<1.000e-1	< 56.00	<4.99e1	n/a	n/a	91.60	56.00	n/a
S96T000604		A	Calcium -ICP-Acid Digest	ug/g	96.00	1.07e-01	5.04e+02	4.600e2	4.820e2	9.13	85.02	56.00	n/a
S96T000604		A	Cadmium -ICP-Acid Digest	ug/g	94.20	<5.000e-3	11.00	9.450e0	1.022e1	15.2	87.42	2.800	n/a
S96T000604		A	Cerium -ICP-Acid Digest	ug/g	99.60	<1.000e-1	< 56.00	<4.99e1	n/a	n/a	92.80	56.00	n/a
S96T000604		A	Cobalt -ICP-Acid Digest	ug/g	96.40	<2.000e-2	< 11.20	<9.98e0	n/a	n/a	89.80	11.20	n/a
S96T000604		A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	1.74e+03	1.470e3	1.600e3	16.8	86.44	5.600	n/a
S96T000604		A	Copper -ICP-Acid Digest	ug/g	93.60	2.40e-02	< 5.600	<4.99e0	n/a	n/a	86.60	5.600	n/a
S96T000604		A	Iron -ICP-Acid Digest	ug/g	95.80	9.40e-02	7.24e+02	6.430e2	6.835e2	11.9	80.14	28.00	n/a
S96T000604		A	Potassium -ICP-Acid Digest	ug/g	95.20	<5.000e-1	3.62e+03	2.950e3	3.280e3	20.4	78.88	280.0	n/a
S96T000604		A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 28.00	<2.41e1	n/a	n/a	91.00	28.00	n/a
S96T000604		A	Lithium -ICP-Acid Digest	ug/g	97.20	<1.000e-2	< 5.600	<4.99e0	n/a	n/a	91.20	5.600	n/a
S96T000604		A	Magnesium -ICP-Acid Digest	ug/g	90.00	<1.000e-1	< 56.00	<4.99e1	n/a	n/a	86.00	56.00	n/a
S96T000604		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	38.30	3.340e1	3.585e1	13.7	84.58	5.600	n/a
S96T000604		A	Molybdenum -ICP-Acid Digest	ug/g	89.00	<5.000e-2	29.40	2.510e1	2.725e1	15.8	82.78	28.00	n/a
S96T000604		A	Sodium -ICP-Acid Digest	ug/g	98.20	1.050	2.24e+05	2.190e5	2.220e5	2.26	n/a	56.00	n/a
S96T000604		A	Neodymium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	< 56.00	<4.99e1	n/a	n/a	89.80	56.00	n/a
S96T000604		A	Nickel -ICP-Acid Digest	ug/g	96.80	2.50e-02	2.09e+02	1.820e2	1.955e2	13.8	87.10	11.20	n/a
S96T000604		A	Phosphorus -ICP-Acid Digest	ug/g	87.80	<2.000e-1	2.17e+03	1.340e3	1.760e3	47.3	106.3	112.0	n/a
S96T000604		A	Lead -ICP-Acid Digest	ug/g	91.60	<1.000e-1	71.80	7.050e1	7.115e1	1.83	85.98	56.00	n/a
S96T000604		A	Sulfur -ICP-Acid Digest	ug/g	92.60	1.23e-01	7.39e+03	6.460e3	6.920e3	13.4	26.14	56.00	n/a
S96T000604		A	Antimony -ICP-Acid Digest	ug/g	77.20	<6.000e-2	< 33.60	<2.99e1	n/a	n/a	72.20	33.60	n/a
S96T000604		A	Selenium -ICP-Acid Digest	ug/g	92.20	<1.000e-1	< 56.00	<4.99e1	n/a	n/a	87.40	56.00	n/a
S96T000604		A	Silicon -ICP-Acid Digest	ug/g	96.80	7.69e-01	2.97e+02	2.670e2	2.820e2	10.6	89.86	28.00	n/a
S96T000604		A	Samarium -ICP-Acid Digest	ug/g	95.00	<1.000e-1	< 56.00	<4.99e1	n/a	n/a	88.20	56.00	n/a
S96T000604		A	Strontium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	2.54e+02	2.290e2	2.415e2	10.4	85.52	5.600	n/a
S96T000604		A	Titanium-ICP-Acid Digest	ug/g	74.00	<1.000e-2	< 5.600	<4.99e0	n/a	n/a	68.80	5.600	n/a
S96T000604		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.000e-1	<1.12e+02	<9.98e1	n/a	n/a	84.00	112.0	n/a
S96T000604		A	Uranium -ICP-Acid Digest	ug/g	91.80	<5.000e-1	5.21e+02	4.400e2	4.805e2	16.9	82.73	280.0	n/a
S96T000604		A	Vanadium -ICP-Acid Digest	ug/g	93.20	<5.000e-2	< 28.00	<2.41e1	n/a	n/a	86.60	28.00	n/a
S96T000604		A	Zinc -ICP-Acid Digest	ug/g	90.60	1.00e-02	22.00	1.870e1	2.035e1	16.2	84.64	5.600	n/a
S96T000604		A	Zirconium -ICP-Acid Digest	ug/g	55.20	<1.000e-2	8.900	7.120e0	8.010e0	22.2	51.00	5.600	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003651		Z	Aluminium -ICP-Fusion	ug/g	100.0	<5.000e-2	1.95e+04	2.070e4	2.010e4	5.97	99.90	922.0	n/a
S95T003651		Z	Bismuth -ICP-Fusion	ug/g	99.60	<1.000e-1	<1.84e+03	<1.83e3	n/a	n/a	97.60	1.840e3	n/a
S95T003651		Z	Calcium -ICP-Fusion	ug/g	100.6	<1.000e-1	<1.84e+03	<1.83e3	n/a	n/a	103.2	1.840e3	n/a
S95T003651		Z	Chromium -ICP-Fusion	ug/g	101.4	1.20e-02	1.59e+03	1.620e3	1.600e3	1.87	99.90	184.0	n/a
S95T003651		Z	Iron -ICP-Fusion	ug/g	101.4	9.40e-02	<9.22e+02	<9.15e2	n/a	n/a	104.6	922.0	n/a
S95T003651		Z	Lithium -ICP-Fusion	ug/g	101.8	<1.000e-2	<1.84e+02	<1.83e2	n/a	n/a	94.90	184.0	n/a
S95T003651		Z	Manganese -ICP-Fusion	ug/g	100.2	<1.000e-2	<1.84e+02	<1.83e2	n/a	n/a	98.50	184.0	n/a
S95T003651		Z	Sodium -ICP-Fusion	ug/g	100.8	11.00	2.20e+05	2.380e5	2.290e5	7.86	150.7	1.840e3	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003651		Z	Nickel -ICP-Fusion	ug/g	100.2	<2.000e-2	<3.69e+02	<3.66e2	n/a	n/a	98.80	369.0	n/a
S95T003651		Z	Phosphorus -ICP-Fusion	ug/g	109.0	<2.000e-1	<3.69e+03	<3.66e3	n/a	n/a	106.8	3.690e3	n/a
S95T003651		Z	Silicon -ICP-Fusion	ug/g	96.20	<5.000e-2	<9.22e+02	<9.15e2	n/a	n/a	99.00	922.0	n/a
S95T003651		Z	Uranium -ICP-Fusion	ug/g	94.30	8.19e-01	<9.22e+03	<9.15e3	n/a	n/a	91.45	9.220e3	n/a
S95T003685		W	Silver -ICP-H20 Dig/Acid	ug/g	99.60	<1.000e-2	< 8.860	<8.89e0	n/a	n/a	79.20	8.860	n/a
S95T003685		W	Aluminium -ICP-H20 Dig/Acid	ug/g	99.80	<5.000e-2	2.27e+04	2.380e4	2.320e4	4.73	133.4	44.30	n/a
S95T003685		W	Arsenic -ICP-H20 Dig/Acid	ug/g	102.6	<1.000e-1	< 88.60	<8.89e1	n/a	n/a	102.6	88.60	n/a
S95T003685		W	Boron -ICP-H20 Dig/Acid	ug/g	103.6	<5.000e-2	< 44.30	<4.44e1	n/a	n/a	102.4	44.30	n/a
S95T003685		W	Barium -ICP-H20 Dig/Acid	ug/g	102.2	<5.000e-2	< 44.30	<4.44e1	n/a	n/a	100.8	44.30	n/a
S95T003685		W	Beryllium -ICP-H20 Dig/Acid	ug/g	105.2	<5.000e-3	< 4.430	<4.44e0	n/a	n/a	103.0	4.430	n/a
S95T003685		W	Bismuth -ICP-H20 Dig/Acid	ug/g	101.2	<1.000e-1	< 88.60	<8.89e1	n/a	n/a	101.0	88.60	n/a
S95T003685		W	Calcium -ICP-H20 Dig/Acid	ug/g	101.6	<1.000e-1	< 88.60	<8.89e1	n/a	n/a	103.6	88.60	n/a
S95T003685		W	Cadmium -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-3	< 4.430	<4.44e0	n/a	n/a	101.0	4.430	n/a
S95T003685		W	Cerium -ICP-H20 Dig/Acid	ug/g	103.6	<1.000e-1	< 88.60	<8.89e1	n/a	n/a	104.2	88.60	n/a
S95T003685		W	Cobalt -ICP-H20 Dig/Acid	ug/g	102.4	<2.000e-2	< 17.70	<1.78e1	n/a	n/a	102.2	17.70	n/a
S95T003685		W	Chromium -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-2	9.36e+02	9.700e2	9.530e2	3.57	102.3	8.860	n/a
S95T003685		W	Copper -ICP-H20 Dig/Acid	ug/g	103.2	<1.000e-2	< 8.860	<8.89e0	n/a	n/a	101.8	8.860	n/a
S95T003685		W	Iron -ICP-H20 Dig/Acid	ug/g	103.2	<5.000e-2	< 44.30	<4.44e1	n/a	n/a	103.6	44.30	n/a
S95T003685		W	Potassium -ICP-H20 Dig/Acid	ug/g	102.8	<5.000e-1	3.57e+03	3.700e3	3.640e3	3.58	105.3	443.0	n/a
S95T003685		W	Lanthanum -ICP-H20 Dig/Acid	ug/g	102.6	<5.000e-2	< 44.30	<4.44e1	n/a	n/a	102.0	44.30	n/a
S95T003685		W	Lithium -ICP-H20 Dig/Acid	ug/g	103.4	<1.000e-2	< 8.860	<8.89e0	n/a	n/a	96.80	8.860	n/a
S95T003685		W	Magnesium -ICP-H20 Dig/Acid	ug/g	98.60	<1.000e-1	< 88.60	<8.89e1	n/a	n/a	97.00	88.60	n/a
S95T003685		W	Manganese -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-2	< 8.860	<8.89e0	n/a	n/a	102.0	8.860	n/a
S95T003685		W	Molybdenum -ICP-H20 Dig/Acid	ug/g	101.8	<5.000e-2	< 44.30	<4.44e1	n/a	n/a	104.4	44.30	n/a
S95T003685		W	Sodium -ICP-H20 Dig/Acid	ug/g	102.2	<1.000e-1	2.48e+05	2.470e5	2.480e5	0.40	624.4	88.60	n/a
S95T003685		W	Neodymium -ICP-H20 Dig/Acid	ug/g	105.8	<1.000e-1	< 88.60	<8.89e1	n/a	n/a	104.8	88.60	n/a
S95T003685		W	Nickel -ICP-H20 Dig/Acid	ug/g	101.6	<2.000e-2	< 17.70	<1.78e1	n/a	n/a	102.0	17.70	n/a
S95T003685		W	Phosphorus -ICP-H20 Dig/Acid	ug/g	100.4	<2.000e-1	1.26e+03	9.840e2	1.120e3	24.6	101.7	177.0	n/a
S95T003685		W	Lead -ICP-H20 Dig/Acid	ug/g	102.2	<1.000e-1	< 88.60	<8.89e1	n/a	n/a	100.6	88.60	n/a
S95T003685		W	Sulfur -ICP-H20 Dig/Acid	ug/g	99.40	<1.000e-1	8.48e+03	7.990e3	8.240e3	5.95	110.5	88.60	n/a
S95T003685		W	Antimony -ICP-H20 Dig/Acid	ug/g	95.00	<6.000e-2	< 53.20	<5.33e1	n/a	n/a	96.20	53.20	n/a
S95T003685		W	Selenium -ICP-H20 Dig/Acid	ug/g	100.8	<1.000e-1	< 88.60	<8.89e1	n/a	n/a	101.0	88.60	n/a
S95T003685		W	Silicon -ICP-H20 Dig/Acid	ug/g	95.00	<5.000e-2	1.89e+02	1.900e2	1.895e2	0.53	104.1	44.30	n/a
S95T003685		W	Samarium -ICP-H20 Dig/Acid	ug/g	103.0	<1.000e-1	< 88.60	<8.89e1	n/a	n/a	101.4	88.60	n/a
S95T003685		W	Strontium -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-2	< 8.860	<8.89e0	n/a	n/a	101.2	8.860	n/a
S95T003685		W	Titanium-ICP-H20 Dig/Acid	ug/g	99.80	<1.000e-2	< 8.860	<8.89e0	n/a	n/a	99.00	8.860	n/a
S95T003685		W	Thallium -ICP-H20 Dig/Acid	ug/g	97.40	<2.000e-1	<1.77e+02	<1.78e2	n/a	n/a	96.40	177.0	n/a
S95T003685		W	Uranium -ICP-H20 Dig/Acid	ug/g	101.0	<5.000e-1	<4.43e+02	<4.44e2	n/a	n/a	99.70	443.0	n/a
S95T003685		W	Vanadium -ICP-H20 Dig/Acid	ug/g	103.0	<5.000e-2	< 44.30	<4.44e1	n/a	n/a	103.4	44.30	n/a
S95T003685		W	Zinc -ICP-H20 Dig/Acid	ug/g	102.8	<1.000e-2	< 8.860	<8.89e0	n/a	n/a	103.0	8.860	n/a
S95T003685		W	Zirconium -ICP-H20 Dig/Acid	ug/g	101.0	<1.000e-2	< 8.860	<8.89e0	n/a	n/a	100.2	8.860	n/a
S96T000605		A	Silver -ICP-Acid Digest	ug/g	94.50	<1.000e-2	17.90	1.780e1	1.785e1	0.56	n/a	5.920	n/a
S96T000605		A	Aluminium -ICP-Acid Digest	ug/g	93.20	1.04e-01	1.91e+04	2.010e4	1.960e4	5.10	n/a	29.60	n/a
S96T000605		A	Arsenic -ICP-Acid Digest	ug/g	98.60	<1.000e-1	< 59.20	<6.25e1	n/a	n/a	n/a	59.20	n/a
S96T000605		A	Boron -ICP-Acid Digest	ug/g	94.80	5.77e-01	1.06e+02	1.060e2	1.060e2	0.00	n/a	29.60	n/a
S96T000605		A	Barium -ICP-Acid Digest	ug/g	96.40	<5.000e-2	< 29.60	<3.12e1	n/a	n/a	n/a	29.60	n/a
S96T000605		A	Beryllium -ICP-Acid Digest	ug/g	105.0	<5.000e-3	< 2.960	<3.12e0	n/a	n/a	n/a	2.960	n/a
S96T000605		A	Bismuth -ICP-Acid Digest	ug/g	94.60	<1.000e-1	< 59.20	<6.25e1	n/a	n/a	n/a	59.20	n/a
S96T000605		A	Calcium -ICP-Acid Digest	ug/g	96.00	1.07e-01	5.75e+02	6.110e2	5.930e2	6.07	n/a	59.20	n/a
S96T000605		A	Cadmium -ICP-Acid Digest	ug/g	94.20	<5.000e-3	11.10	1.260e1	1.185e1	12.7	n/a	2.960	n/a

Sample# R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000605	A	Cerium -ICP-Acid Digest	ug/g	99.60	<1.000e-1	< 59.20	<6.25e1	n/a	n/a	n/a	59.20	n/a
S96T000605	A	Cobalt -ICP-Acid Digest	ug/g	96.40	<2.000e-2	< 11.80	<1.25e1	n/a	n/a	n/a	11.80	n/a
S96T000605	A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	1.32e+03	1.400e3	1.360e3	5.88	n/a	5.920	n/a
S96T000605	A	Copper -ICP-Acid Digest	ug/g	93.60	2.40e-02	< 5.920	<6.25e0	n/a	n/a	n/a	5.920	n/a
S96T000605	A	Iron -ICP-Acid Digest	ug/g	95.80	9.40e-02	7.65e+02	8.090e2	7.870e2	5.59	n/a	29.60	n/a
S96T000605	A	Potassium -ICP-Acid Digest	ug/g	95.20	<5.000e-1	3.06e+03	3.210e3	3.140e3	4.78	n/a	296.0	n/a
S96T000605	A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 29.60	<3.12e1	n/a	n/a	n/a	29.60	n/a
S96T000605	A	Lithium -ICP-Acid Digest	ug/g	97.20	<1.000e-2	< 5.920	<6.25e0	n/a	n/a	n/a	5.920	n/a
S96T000605	A	Magnesium -ICP-Acid Digest	ug/g	90.00	<1.000e-1	< 59.20	<6.25e1	n/a	n/a	n/a	59.20	n/a
S96T000605	A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	33.80	3.600e1	3.490e1	6.30	n/a	5.920	n/a
S96T000605	A	Molybdenum -ICP-Acid Digest	ug/g	89.00	<5.000e-2	< 29.60	<3.12e1	n/a	n/a	n/a	29.60	n/a
S96T000605	A	Sodium -ICP-Acid Digest	ug/g	98.20	1.050	2.06e+05	2.170e5	2.120e5	5.20	n/a	59.20	n/a
S96T000605	A	Neodymium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	< 59.20	<6.25e1	n/a	n/a	n/a	59.20	n/a
S96T000605	A	Nickel -ICP-Acid Digest	ug/g	96.80	2.50e-02	2.20e+02	2.340e2	2.270e2	6.17	n/a	11.80	n/a
S96T000605	A	Phosphorus -ICP-Acid Digest	ug/g	87.80	<2.000e-1	9.05e+02	9.510e2	9.280e2	4.96	n/a	118.0	n/a
S96T000605	A	Lead -ICP-Acid Digest	ug/g	91.60	<1.000e-1	85.90	8.510e1	8.550e1	0.94	n/a	59.20	n/a
S96T000605	A	Sulfur -ICP-Acid Digest	ug/g	92.60	1.23e-01	6.94e+03	7.270e3	7.100e3	4.64	n/a	59.20	n/a
S96T000605	A	Antimony -ICP-Acid Digest	ug/g	77.20	<6.000e-2	< 35.50	<3.75e1	n/a	n/a	n/a	35.50	n/a
S96T000605	A	Selenium -ICP-Acid Digest	ug/g	92.20	<1.000e-1	< 59.20	<6.25e1	n/a	n/a	n/a	59.20	n/a
S96T000605	A	Silicon -ICP-Acid Digest	ug/g	96.80	7.69e-01	5.69e+02	6.060e2	5.875e2	6.30	n/a	29.60	n/a
S96T000605	A	Samarium -ICP-Acid Digest	ug/g	95.00	<1.000e-1	< 59.20	<6.25e1	n/a	n/a	n/a	59.20	n/a
S96T000605	A	Strontium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	2.98e+02	3.150e2	3.065e2	5.55	n/a	5.920	n/a
S96T000605	A	Titanium-ICP-Acid Digest	ug/g	74.00	<1.000e-2	< 5.920	<6.25e0	n/a	n/a	n/a	5.920	n/a
S96T000605	A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.000e-1	<1.18e+02	<1.25e2	n/a	n/a	n/a	118.0	n/a
S96T000605	A	Uranium -ICP-Acid Digest	ug/g	91.80	<5.000e-1	5.10e+02	5.540e2	5.320e2	8.27	n/a	296.0	n/a
S96T000605	A	Vanadium -ICP-Acid Digest	ug/g	93.20	<5.000e-2	< 29.60	<3.12e1	n/a	n/a	n/a	29.60	n/a
S96T000605	A	Zinc -ICP-Acid Digest	ug/g	90.60	1.00e-02	20.60	2.200e1	2.130e1	6.57	n/a	5.920	n/a
S96T000605	A	Zirconium -ICP-Acid Digest	ug/g	55.20	<1.000e-2	6.890	8.180e0	7.535e0	17.1	n/a	5.920	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 5

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003652		Z	Aluminium -ICP-Fusion	ug/g	100.0	<5.000e-2	2.16e+04	2.260e4	2.210e4	4.52	99.80	951.0	n/a
S95T003652		Z	Bismuth -ICP-Fusion	ug/g	99.60	<1.000e-1	<1.90e+03	<1.88e3	n/a	n/a	97.30	1.900e3	n/a
S95T003652		Z	Calcium -ICP-Fusion	ug/g	100.6	<1.000e-1	<1.90e+03	<1.88e3	n/a	n/a	101.5	1.900e3	n/a
S95T003652		Z	Chromium -ICP-Fusion	ug/g	101.4	1.20e-02	2.19e+03	2.310e3	2.250e3	5.33	98.50	190.0	n/a
S95T003652		Z	Iron -ICP-Fusion	ug/g	101.4	9.40e-02	<9.51e+02	<9.40e2	n/a	n/a	101.5	951.0	n/a
S95T003652		Z	Lithium -ICP-Fusion	ug/g	101.8	<1.000e-2	<1.90e+02	<1.88e2	n/a	n/a	94.40	190.0	n/a
S95T003652		Z	Manganese -ICP-Fusion	ug/g	100.2	<1.000e-2	<1.90e+02	<1.88e2	n/a	n/a	97.80	190.0	n/a
S95T003652		Z	Sodium -ICP-Fusion	ug/g	100.8	11.00	2.37e+05	2.360e5	2.360e5	0.42	127.1	1.900e3	n/a
S95T003652		Z	Nickel -ICP-Fusion	ug/g	100.2	<2.000e-2	<3.80e+02	<3.76e2	n/a	n/a	97.80	380.0	n/a
S95T003652		Z	Phosphorus -ICP-Fusion	ug/g	109.0	<2.000e-1	<3.80e+03	<3.76e3	n/a	n/a	104.4	3.800e3	n/a
S95T003652		Z	Silicon -ICP-Fusion	ug/g	96.20	<5.000e-2	<9.51e+02	<9.40e2	n/a	n/a	97.30	951.0	n/a
S95T003652		Z	Uranium -ICP-Fusion	ug/g	94.30	8.19e-01	<9.51e+03	<9.40e3	n/a	n/a	91.10	9.510e3	n/a
S96T000606		A	Silver -ICP-Acid Digest	ug/g	94.50	<1.000e-2	17.70	1.730e1	1.750e1	2.29	n/a	4.480	n/a
S96T000606		A	Aluminium -ICP-Acid Digest	ug/g	93.20	1.04e-01	2.24e+04	1.770e4	2.000e4	23.4	n/a	22.40	n/a
S96T000606		A	Arsenic -ICP-Acid Digest	ug/g	98.60	<1.000e-1	< 44.80	<4.56e1	n/a	n/a	n/a	44.80	n/a
S96T000606		A	Boron -ICP-Acid Digest	ug/g	94.80	5.77e-01	59.60	<2.28e1	n/a	n/a	n/a	22.40	n/a
S96T000606		A	Barium -ICP-Acid Digest	ug/g	96.40	<5.000e-2	< 22.40	<2.28e1	n/a	n/a	n/a	22.40	n/a
S96T000606		A	Beryllium -ICP-Acid Digest	ug/g	105.0	<5.000e-3	< 2.240	<2.28e0	n/a	n/a	n/a	2.240	n/a
S96T000606		A	Bismuth -ICP-Acid Digest	ug/g	94.60	<1.000e-1	< 44.80	<4.56e1	n/a	n/a	n/a	44.80	n/a
S96T000606		A	Calcium -ICP-Acid Digest	ug/g	96.00	1.07e-01	3.68e+02	3.630e2	3.655e2	1.37	n/a	44.80	n/a
S96T000606		A	Cadmium -ICP-Acid Digest	ug/g	94.20	<5.000e-3	9.010	7.970e0	8.490e0	12.2	n/a	2.240	n/a
S96T000606		A	Cerium -ICP-Acid Digest	ug/g	99.60	<1.000e-1	< 44.80	<4.56e1	n/a	n/a	n/a	44.80	n/a
S96T000606		A	Cobalt -ICP-Acid Digest	ug/g	96.40	<2.000e-2	< 8.960	<9.13e0	n/a	n/a	n/a	8.960	n/a
S96T000606		A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	1.77e+03	1.580e3	1.680e3	11.3	n/a	4.480	n/a
S96T000606		A	Copper -ICP-Acid Digest	ug/g	93.60	2.40e-02	8.770	8.240e0	8.505e0	6.23	n/a	4.480	n/a
S96T000606		A	Iron -ICP-Acid Digest	ug/g	95.80	9.40e-02	5.01e+02	4.740e2	4.875e2	5.54	n/a	22.40	n/a
S96T000606		A	Potassium -ICP-Acid Digest	ug/g	95.20	<5.000e-1	3.49e+03	2.720e3	3.100e3	24.8	n/a	224.0	n/a
S96T000606		A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 22.40	<2.28e1	n/a	n/a	n/a	22.40	n/a
S96T000606		A	Lithium -ICP-Acid Digest	ug/g	97.20	<1.000e-2	< 4.480	<4.56e0	n/a	n/a	n/a	4.480	n/a
S96T000606		A	Magnesium -ICP-Acid Digest	ug/g	90.00	<1.000e-1	< 44.80	<4.56e1	n/a	n/a	n/a	44.80	n/a
S96T000606		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	22.60	2.110e1	2.185e1	6.86	n/a	4.480	n/a
S96T000606		A	Molybdenum -ICP-Acid Digest	ug/g	89.00	<5.000e-2	30.50	2.430e1	2.740e1	22.6	n/a	22.40	n/a
S96T000606		A	Sodium -ICP-Acid Digest	ug/g	98.20	1.050	2.14e+05	2.120e5	2.130e5	0.94	n/a	44.80	n/a
S96T000606		A	Neodymium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	< 44.80	<4.56e1	n/a	n/a	n/a	44.80	n/a
S96T000606		A	Nickel -ICP-Acid Digest	ug/g	96.80	2.50e-02	1.33e+02	1.260e2	1.295e2	5.41	n/a	8.960	n/a
S96T000606		A	Phosphorus -ICP-Acid Digest	ug/g	87.80	<2.000e-1	7.94e+02	7.130e2	7.535e2	10.7	n/a	89.60	n/a
S96T000606		A	Lead -ICP-Acid Digest	ug/g	91.60	<1.000e-1	72.90	5.570e1	6.430e1	26.7	n/a	44.80	n/a
S96T000606		A	Sulfur -ICP-Acid Digest	ug/g	92.60	1.23e-01	6.27e+03	5.890e3	6.080e3	6.25	n/a	44.80	n/a
S96T000606		A	Antimony -ICP-Acid Digest	ug/g	77.20	<6.000e-2	< 26.90	<2.74e1	n/a	n/a	n/a	26.90	n/a
S96T000606		A	Selenium -ICP-Acid Digest	ug/g	92.20	<1.000e-1	< 44.80	<4.56e1	n/a	n/a	n/a	44.80	n/a
S96T000606		A	Silicon -ICP-Acid Digest	ug/g	96.80	7.69e-01	2.88e+02	1.900e2	2.390e2	41.0	n/a	22.40	n/a
S96T000606		A	Samarium -ICP-Acid Digest	ug/g	95.00	<1.000e-1	< 44.80	<4.56e1	n/a	n/a	n/a	44.80	n/a
S96T000606		A	Strontium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	1.71e+02	1.590e2	1.650e2	7.27	n/a	4.480	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000606		A	Titanium-ICP-Acid Digest	ug/g	74.00	<1.000e-2	< 4.480	<4.56e0	n/a	n/a	n/a	4.480	n/a
S96T000606		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.000e-1	< 89.60	<9.13e1	n/a	n/a	n/a	89.60	n/a
S96T000606		A	Uranium -ICP-Acid Digest	ug/g	91.80	<5.000e-1	3.69e+02	3.360e2	3.525e2	9.36	n/a	224.0	n/a
S96T000606		A	Vanadium -ICP-Acid Digest	ug/g	93.20	<5.000e-2	< 22.40	<2.28e1	n/a	n/a	n/a	22.40	n/a
S96T000606		A	Zinc -ICP-Acid Digest	ug/g	90.60	1.00e-02	18.10	1.840e1	1.825e1	1.64	n/a	4.480	n/a
S96T000606		A	Zirconium -ICP-Acid Digest	ug/g	55.20	<1.000e-2	6.390	5.830e0	6.110e0	9.17	n/a	4.480	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003653		Z	Aluminium -ICP-Fusion	ug/g	100.0	<5.000e-2	2.20e+04	1.930e4	2.060e4	13.1	97.70	934.0	n/a
S95T003653		Z	Bismuth -ICP-Fusion	ug/g	99.60	<1.000e-1	<1.87e+03	<1.93e3	n/a	n/a	99.00	1.870e3	n/a
S95T003653		Z	Calcium -ICP-Fusion	ug/g	100.6	<1.000e-1	<1.87e+03	<1.93e3	n/a	n/a	103.2	1.870e3	n/a
S95T003653		Z	Chromium -ICP-Fusion	ug/g	101.4	1.20e-02	4.05e+03	3.470e3	3.760e3	15.4	99.80	187.0	n/a
S95T003653		Z	Iron -ICP-Fusion	ug/g	101.4	9.40e-02	9.36e+02	<9.65e2	n/a	n/a	101.6	934.0	n/a
S95T003653		Z	Lithium -ICP-Fusion	ug/g	101.8	<1.000e-2	<1.87e+02	<1.93e2	n/a	n/a	90.50	187.0	n/a
S95T003653		Z	Manganese -ICP-Fusion	ug/g	100.2	<1.000e-2	<1.87e+02	<1.93e2	n/a	n/a	99.00	187.0	n/a
S95T003653		Z	Sodium -ICP-Fusion	ug/g	100.8	11.00	2.43e+05	2.510e5	2.470e5	3.24	101.8	1.870e3	n/a
S95T003653		Z	Nickel -ICP-Fusion	ug/g	100.2	<2.000e-2	<3.74e+02	<3.85e2	n/a	n/a	99.00	374.0	n/a
S95T003653		Z	Phosphorus -ICP-Fusion	ug/g	109.0	<2.000e-1	<3.74e+03	<3.85e3	n/a	n/a	106.8	3.740e3	n/a
S95T003653		Z	Silicon -ICP-Fusion	ug/g	96.20	<5.000e-2	<9.34e+02	<9.65e2	n/a	n/a	99.80	934.0	n/a
S95T003653		Z	Uranium -ICP-Fusion	ug/g	94.30	8.19e-01	<9.34e+03	<9.65e3	n/a	n/a	95.85	9.340e3	n/a
S96T000607		A	Silver -ICP-Acid Digest	ug/g	94.50	<1.000e-2	19.70	1.940e1	1.955e1	1.53	n/a	4.320	n/a
S96T000607		A	Aluminium -ICP-Acid Digest	ug/g	93.20	1.04e-01	1.95e+04	1.510e4	1.730e4	25.4	n/a	21.60	n/a
S96T000607		A	Arsenic -ICP-Acid Digest	ug/g	98.60	<1.000e-1	< 43.20	<3.71e1	n/a	n/a	n/a	43.20	n/a
S96T000607		A	Boron -ICP-Acid Digest	ug/g	94.80	5.77e-01	< 21.60	<1.86e1	n/a	n/a	n/a	21.60	n/a
S96T000607		A	Barium -ICP-Acid Digest	ug/g	96.40	<5.000e-2	< 21.60	<1.86e1	n/a	n/a	n/a	21.60	n/a
S96T000607		A	Beryllium -ICP-Acid Digest	ug/g	105.0	<5.000e-3	< 2.160	<1.86e0	n/a	n/a	n/a	2.160	n/a
S96T000607		A	Bismuth -ICP-Acid Digest	ug/g	94.60	<1.000e-1	43.30	<3.71e1	n/a	n/a	n/a	43.20	n/a
S96T000607		A	Calcium -ICP-Acid Digest	ug/g	96.00	1.07e-01	4.54e+02	3.640e2	4.090e2	22.0	n/a	43.20	n/a
S96T000607		A	Cadmium -ICP-Acid Digest	ug/g	94.20	<5.000e-3	11.40	8.080e0	9.740e0	34.1	n/a	2.160	n/a
S96T000607		A	Cerium -ICP-Acid Digest	ug/g	99.60	<1.000e-1	< 43.20	<3.71e1	n/a	n/a	n/a	43.20	n/a
S96T000607		A	Cobalt -ICP-Acid Digest	ug/g	96.40	<2.000e-2	< 8.640	<7.43e0	n/a	n/a	n/a	8.640	n/a
S96T000607		A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	2.51e+03	2.110e3	2.310e3	17.3	n/a	4.320	n/a
S96T000607		A	Copper -ICP-Acid Digest	ug/g	93.60	2.40e-02	< 4.320	<3.71e0	n/a	n/a	n/a	4.320	n/a
S96T000607		A	Iron -ICP-Acid Digest	ug/g	95.80	9.40e-02	7.32e+02	5.340e2	6.330e2	31.3	n/a	21.60	n/a
S96T000607		A	Potassium -ICP-Acid Digest	ug/g	95.20	<5.000e-1	3.16e+03	2.430e3	2.800e3	26.1	n/a	216.0	n/a
S96T000607		A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 21.60	<1.86e1	n/a	n/a	n/a	21.60	n/a
S96T000607		A	Lithium -ICP-Acid Digest	ug/g	97.20	<1.000e-2	< 4.320	<3.71e0	n/a	n/a	n/a	4.320	n/a
S96T000607		A	Magnesium -ICP-Acid Digest	ug/g	90.00	<1.000e-1	< 43.20	<3.71e1	n/a	n/a	n/a	43.20	n/a
S96T000607		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	27.90	2.270e1	2.530e1	20.6	n/a	4.320	n/a
S96T000607		A	Molybdenum -ICP-Acid Digest	ug/g	89.00	<5.000e-2	26.50	2.070e1	2.360e1	24.6	n/a	21.60	n/a
S96T000607		A	Sodium -ICP-Acid Digest	ug/g	98.20	1.050	2.23e+05	2.360e5	2.300e5	5.66	n/a	43.20	n/a
S96T000607		A	Neodymium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	< 43.20	<3.71e1	n/a	n/a	n/a	43.20	n/a
S96T000607		A	Nickel -ICP-Acid Digest	ug/g	96.80	2.50e-02	2.16e+02	1.490e2	1.825e2	36.7	n/a	8.640	n/a
S96T000607		A	Phosphorus -ICP-Acid Digest	ug/g	87.80	<2.000e-1	8.83e+02	6.990e2	7.910e2	23.3	n/a	86.40	n/a
S96T000607		A	Lead -ICP-Acid Digest	ug/g	91.60	<1.000e-1	77.20	5.130e1	6.425e1	40.3	n/a	43.20	n/a
S96T000607		A	Sulfur -ICP-Acid Digest	ug/g	92.60	1.23e-01	6.96e+03	5.370e3	6.160e3	25.8	n/a	43.20	n/a
S96T000607		A	Antimony -ICP-Acid Digest	ug/g	77.20	<6.000e-2	< 25.90	<2.23e1	n/a	n/a	n/a	25.90	n/a
S96T000607		A	Selenium -ICP-Acid Digest	ug/g	92.20	<1.000e-1	< 43.20	<3.71e1	n/a	n/a	n/a	43.20	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000607		A	Silicon -ICP-Acid Digest	ug/g	96.80	7.69e-01	2.08e+02	1.710e2	1.895e2	19.5	n/a	21.60	n/a
S96T000607		A	Samarium -ICP-Acid Digest	ug/g	95.00	<1.000e-1	< 43.20	<3.71e1	n/a	n/a	n/a	43.20	n/a
S96T000607		A	Strontium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	3.25e+02	2.240e2	2.745e2	36.8	n/a	4.320	n/a
S96T000607		A	Titanium-ICP-Acid Digest	ug/g	74.00	<1.000e-2	< 4.320	<3.71e0	n/a	n/a	n/a	4.320	n/a
S96T000607		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.000e-1	< 86.40	<7.43e1	n/a	n/a	n/a	86.40	n/a
S96T000607		A	Uranium -ICP-Acid Digest	ug/g	91.80	<5.000e-1	6.07e+02	4.400e2	5.235e2	31.9	n/a	216.0	n/a
S96T000607		A	Vanadium -ICP-Acid Digest	ug/g	93.20	<5.000e-2	< 21.60	<1.86e1	n/a	n/a	n/a	21.60	n/a
S96T000607		A	Zinc -ICP-Acid Digest	ug/g	90.60	1.00e-02	21.60	1.870e1	2.015e1	14.4	n/a	4.320	n/a
S96T000607		A	Zirconium -ICP-Acid Digest	ug/g	55.20	<1.000e-2	11.50	6.630e0	9.065e0	53.7	n/a	4.320	n/a

C Third Quarter of Segment; C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003654		Z	Aluminium -ICP-Fusion	ug/g	100.8	<5.000e-2	2.25e+04	2.470e4	2.360e4	9.32	100.3	986.0	n/a
S95T003654		Z	Bismuth -ICP-Fusion	ug/g	101.8	<1.000e-1	<1.97e+03	<2.02e3	n/a	n/a	99.60	1.970e3	n/a
S95T003654		Z	Calcium -ICP-Fusion	ug/g	101.0	<1.000e-1	<1.97e+03	<2.02e3	n/a	n/a	100.8	1.970e3	n/a
S95T003654		Z	Chromium -ICP-Fusion	ug/g	101.8	<1.000e-2	4.34e+03	3.370e3	3.860e3	25.2	100.7	197.0	n/a
S95T003654		Z	Iron -ICP-Fusion	ug/g	101.2	<5.000e-2	<9.86e+02	<1.01e3	n/a	n/a	104.7	986.0	n/a
S95T003654		Z	Lithium -ICP-Fusion	ug/g	103.8	<1.000e-2	<1.97e+02	<2.02e2	n/a	n/a	96.10	197.0	n/a
S95T003654		Z	Manganese -ICP-Fusion	ug/g	100.8	<1.000e-2	<1.97e+02	<2.02e2	n/a	n/a	100.3	197.0	n/a
S95T003654		Z	Sodium -ICP-Fusion	ug/g	102.6	1.49e-01	2.45e+05	2.480e5	2.460e5	1.22	134.3	1.970e3	n/a
S95T003654		Z	Nickel -ICP-Fusion	ug/g	101.2	<2.000e-2	<3.94e+02	<4.05e2	n/a	n/a	100.8	394.0	n/a
S95T003654		Z	Phosphorus -ICP-Fusion	ug/g	105.4	<2.000e-1	<3.94e+03	<4.05e3	n/a	n/a	103.7	3.940e3	n/a
S95T003654		Z	Silicon -ICP-Fusion	ug/g	94.20	<5.000e-2	<9.86e+02	<1.01e3	n/a	n/a	96.60	986.0	n/a
S95T003654		Z	Uranium -ICP-Fusion	ug/g	98.00	<5.000e-1	<9.86e+03	<1.01e4	n/a	n/a	92.25	9.860e3	n/a
S96T000608		A	Silver -ICP-Acid Digest	ug/g	94.50	<1.000e-2	19.50	1.840e1	1.895e1	5.80	n/a	4.060	n/a
S96T000608		A	Aluminium -ICP-Acid Digest	ug/g	93.20	1.04e-01	2.18e+04	2.090e4	2.140e4	4.22	n/a	20.30	n/a
S96T000608		A	Arsenic -ICP-Acid Digest	ug/g	98.60	<1.000e-1	< 40.60	<4.40e1	n/a	n/a	n/a	40.60	n/a
S96T000608		A	Boron -ICP-Acid Digest	ug/g	94.80	5.77e-01	26.20	2.440e1	2.530e1	7.11	n/a	20.30	n/a
S96T000608		A	Barium -ICP-Acid Digest	ug/g	96.40	<5.000e-2	< 20.30	<2.20e1	n/a	n/a	n/a	20.30	n/a
S96T000608		A	Beryllium -ICP-Acid Digest	ug/g	105.0	<5.000e-3	6.590	<2.20e0	n/a	n/a	n/a	2.030	n/a
S96T000608		A	Bismuth -ICP-Acid Digest	ug/g	94.60	<1.000e-1	41.40	<4.40e1	n/a	n/a	n/a	40.60	n/a
S96T000608		A	Calcium -ICP-Acid Digest	ug/g	96.00	1.07e-01	3.67e+02	3.770e2	3.720e2	2.69	n/a	40.60	n/a
S96T000608		A	Cadmium -ICP-Acid Digest	ug/g	94.20	<5.000e-3	13.70	8.910e0	1.130e1	42.4	n/a	2.030	n/a
S96T000608		A	Cerium -ICP-Acid Digest	ug/g	99.60	<1.000e-1	< 40.60	<4.40e1	n/a	n/a	n/a	40.60	n/a
S96T000608		A	Cobalt -ICP-Acid Digest	ug/g	96.40	<2.000e-2	10.70	<8.81e0	n/a	n/a	n/a	8.120	n/a
S96T000608		A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	2.85e+03	3.030e3	2.940e3	6.12	n/a	4.060	n/a
S96T000608		A	Copper -ICP-Acid Digest	ug/g	93.60	2.40e-02	8.890	<4.40e0	n/a	n/a	n/a	4.060	n/a
S96T000608		A	Iron -ICP-Acid Digest	ug/g	95.80	9.40e-02	5.39e+02	5.880e2	5.635e2	8.70	n/a	20.30	n/a
S96T000608		A	Potassium -ICP-Acid Digest	ug/g	95.20	<5.000e-1	3.51e+03	3.440e3	3.480e3	2.01	n/a	203.0	n/a
S96T000608		A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 20.30	<2.20e1	n/a	n/a	n/a	20.30	n/a
S96T000608		A	Lithium -ICP-Acid Digest	ug/g	97.20	<1.000e-2	5.430	<4.40e0	n/a	n/a	n/a	4.060	n/a
S96T000608		A	Magnesium -ICP-Acid Digest	ug/g	90.00	<1.000e-1	< 40.60	<4.40e1	n/a	n/a	n/a	40.60	n/a
S96T000608		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	27.90	2.550e1	2.670e1	8.99	n/a	4.060	n/a
S96T000608		A	Molybdenum -ICP-Acid Digest	ug/g	89.00	<5.000e-2	34.40	2.840e1	3.140e1	19.1	n/a	20.30	n/a
S96T000608		A	Sodium -ICP-Acid Digest	ug/g	98.20	1.050	2.18e+05	2.140e5	2.160e5	1.85	n/a	40.60	n/a
S96T000608		A	Neodymium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	< 40.60	<4.40e1	n/a	n/a	n/a	40.60	n/a
S96T000608		A	Nickel -ICP-Acid Digest	ug/g	96.80	2.50e-02	1.56e+02	1.640e2	1.600e2	5.00	n/a	8.120	n/a
S96T000608		A	Phosphorus -ICP-Acid Digest	ug/g	87.80	<2.000e-1	8.08e+02	7.810e2	7.945e2	3.40	n/a	81.20	n/a
S96T000608		A	Lead -ICP-Acid Digest	ug/g	91.60	<1.000e-1	78.20	6.660e1	7.240e1	16.0	n/a	40.60	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000608		A	Sulfur -ICP-Acid Digest	ug/g	92.60	1.23e-01	5.32e+03	5.350e3	5.340e3	0.56	n/a	40.60	n/a
S96T000608		A	Antimony -ICP-Acid Digest	ug/g	77.20	<6.000e-2	< 24.40	<2.64e1	n/a	n/a	n/a	24.40	n/a
S96T000608		A	Selenium -ICP-Acid Digest	ug/g	92.20	<1.000e-1	< 40.60	<4.40e1	n/a	n/a	n/a	40.60	n/a
S96T000608		A	Silicon -ICP-Acid Digest	ug/g	96.80	7.69e-01	2.19e+02	2.660e2	2.425e2	19.4	n/a	20.30	n/a
S96T000608		A	Samarium -ICP-Acid Digest	ug/g	95.00	<1.000e-1	< 40.60	<4.40e1	n/a	n/a	n/a	40.60	n/a
S96T000608		A	Strontium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	2.28e+02	2.400e2	2.340e2	5.13	n/a	4.060	n/a
S96T000608		A	Titanium-ICP-Acid Digest	ug/g	74.00	<1.000e-2	5.560	<4.40e0	n/a	n/a	n/a	4.060	n/a
S96T000608		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.000e-1	< 81.20	<8.81e1	n/a	n/a	n/a	81.20	n/a
S96T000608		A	Uranium -ICP-Acid Digest	ug/g	91.80	<5.000e-1	3.97e+02	4.590e2	4.280e2	14.5	n/a	203.0	n/a
S96T000608		A	Vanadium -ICP-Acid Digest	ug/g	93.20	<5.000e-2	< 20.30	<2.20e1	n/a	n/a	n/a	20.30	n/a
S96T000608		A	Zinc -ICP-Acid Digest	ug/g	90.60	1.00e-02	26.60	1.910e1	2.285e1	32.8	n/a	4.060	n/a
S96T000608		A	Zirconium -ICP-Acid Digest	ug/g	55.20	<1.000e-2	9.210	7.200e0	8.205e0	24.5	n/a	4.060	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003655		Z	Aluminium -ICP-Fusion	ug/g	100.8	<5.000e-2	2.39e+04	2.190e4	2.290e4	8.73	98.30	962.0	n/a
S95T003655		Z	Bismuth -ICP-Fusion	ug/g	101.8	<1.000e-1	<1.92e+03	<1.96e3	n/a	n/a	98.30	1.920e3	n/a
S95T003655		Z	Calcium -ICP-Fusion	ug/g	101.0	<1.000e-1	<1.92e+03	<1.96e3	n/a	n/a	98.80	1.920e3	n/a
S95T003655		Z	Chromium -ICP-Fusion	ug/g	101.8	<1.000e-2	4.73e+03	5.160e3	4.940e3	8.70	104.5	192.0	n/a
S95T003655		Z	Iron -ICP-Fusion	ug/g	101.2	<5.000e-2	<9.62e+02	<9.80e2	n/a	n/a	106.1	962.0	n/a
S95T003655		Z	Lithium -ICP-Fusion	ug/g	103.8	<1.000e-2	<1.92e+02	<1.96e2	n/a	n/a	89.50	192.0	n/a
S95T003655		Z	Manganese -ICP-Fusion	ug/g	100.8	<1.000e-2	<1.92e+02	<1.96e2	n/a	n/a	102.2	192.0	n/a
S95T003655		Z	Sodium -ICP-Fusion	ug/g	102.6	1.49e-01	2.44e+05	2.420e5	2.430e5	0.82	53.70	1.920e3	n/a
S95T003655		Z	Nickel -ICP-Fusion	ug/g	101.2	<2.000e-2	<3.85e+02	<3.92e2	n/a	n/a	103.0	385.0	n/a
S95T003655		Z	Phosphorus -ICP-Fusion	ug/g	105.4	<2.000e-1	<3.85e+03	<3.92e3	n/a	n/a	107.8	3.850e3	n/a
S95T003655		Z	Silicon -ICP-Fusion	ug/g	94.20	<5.000e-2	<9.62e+02	<9.80e2	n/a	n/a	98.10	962.0	n/a
S95T003655		Z	Uranium -ICP-Fusion	ug/g	98.00	<5.000e-1	<9.62e+03	<9.80e3	n/a	n/a	92.00	9.620e3	n/a
S96T000609		A	Silver -ICP-Acid Digest	ug/g	94.50	<1.000e-2	17.30	1.900e1	1.815e1	9.37	n/a	5.020	n/a
S96T000609		A	Aluminium -ICP-Acid Digest	ug/g	93.20	1.04e-01	1.77e+04	2.050e4	1.910e4	14.7	n/a	25.10	n/a
S96T000609		A	Arsenic -ICP-Acid Digest	ug/g	98.60	<1.000e-1	< 50.20	<4.83e1	n/a	n/a	n/a	50.20	n/a
S96T000609		A	Boron -ICP-Acid Digest	ug/g	94.80	5.77e-01	< 25.10	3.060e1	n/a	n/a	n/a	25.10	n/a
S96T000609		A	Barium -ICP-Acid Digest	ug/g	96.40	<5.000e-2	< 25.10	<2.42e1	n/a	n/a	n/a	25.10	n/a
S96T000609		A	Beryllium -ICP-Acid Digest	ug/g	105.0	<5.000e-3	< 2.510	<2.42e0	n/a	n/a	n/a	2.510	n/a
S96T000609		A	Bismuth -ICP-Acid Digest	ug/g	94.60	<1.000e-1	< 50.20	<4.83e1	n/a	n/a	n/a	50.20	n/a
S96T000609		A	Calcium -ICP-Acid Digest	ug/g	96.00	1.07e-01	4.66e+02	4.060e2	4.360e2	13.8	n/a	50.20	n/a
S96T000609		A	Cadmium -ICP-Acid Digest	ug/g	94.20	<5.000e-3	7.940	9.790e0	8.865e0	20.9	n/a	2.510	n/a
S96T000609		A	Cerium -ICP-Acid Digest	ug/g	99.60	<1.000e-1	< 50.20	<4.83e1	n/a	n/a	n/a	50.20	n/a
S96T000609		A	Cobalt -ICP-Acid Digest	ug/g	96.40	<2.000e-2	< 10.00	<9.67e0	n/a	n/a	n/a	10.00	n/a
S96T000609		A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	2.80e+03	3.530e3	3.160e3	23.1	n/a	5.020	n/a
S96T000609		A	Copper -ICP-Acid Digest	ug/g	93.60	2.40e-02	< 5.020	<4.83e0	n/a	n/a	n/a	5.020	n/a
S96T000609		A	Iron -ICP-Acid Digest	ug/g	95.80	9.40e-02	5.10e+02	6.400e2	5.750e2	22.6	n/a	25.10	n/a
S96T000609		A	Potassium -ICP-Acid Digest	ug/g	95.20	<5.000e-1	2.82e+03	3.300e3	3.060e3	15.7	n/a	251.0	n/a
S96T000609		A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 25.10	<2.42e1	n/a	n/a	n/a	25.10	n/a
S96T000609		A	Lithium -ICP-Acid Digest	ug/g	97.20	<1.000e-2	< 5.020	<4.83e0	n/a	n/a	n/a	5.020	n/a
S96T000609		A	Magnesium -ICP-Acid Digest	ug/g	90.00	<1.000e-1	< 50.20	<4.83e1	n/a	n/a	n/a	50.20	n/a
S96T000609		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	26.00	3.320e1	2.960e1	24.3	n/a	5.020	n/a
S96T000609		A	Molybdenum -ICP-Acid Digest	ug/g	89.00	<5.000e-2	< 25.10	2.660e1	n/a	n/a	n/a	25.10	n/a
S96T000609		A	Sodium -ICP-Acid Digest	ug/g	98.20	1.050	2.18e+05	2.170e5	2.180e5	0.46	n/a	50.20	n/a
S96T000609		A	Neodymium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	< 50.20	<4.83e1	n/a	n/a	n/a	50.20	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000609		A	Nickel -ICP-Acid Digest	ug/g	96.80	2.50e-02	1.43e+02	1.710e2	1.570e2	17.8	n/a	10.00	n/a
S96T000609		A	Phosphorus -ICP-Acid Digest	ug/g	87.80	<2.000e-1	7.42e+02	8.490e2	7.955e2	13.5	n/a	100.0	n/a
S96T000609		A	Lead -ICP-Acid Digest	ug/g	91.60	<1.000e-1	56.30	6.270e1	5.950e1	10.8	n/a	50.20	n/a
S96T000609		A	Sulfur -ICP-Acid Digest	ug/g	92.60	1.23e-01	5.58e+03	6.850e3	6.220e3	20.4	n/a	50.20	n/a
S96T000609		A	Antimony -ICP-Acid Digest	ug/g	77.20	<6.000e-2	< 30.10	<2.90e1	n/a	n/a	n/a	30.10	n/a
S96T000609		A	Selenium -ICP-Acid Digest	ug/g	92.20	<1.000e-1	< 50.20	<4.83e1	n/a	n/a	n/a	50.20	n/a
S96T000609		A	Silicon -ICP-Acid Digest	ug/g	96.80	7.69e-01	2.62e+02	3.500e2	3.060e2	28.8	n/a	25.10	n/a
S96T000609		A	Samarium -ICP-Acid Digest	ug/g	95.00	<1.000e-1	< 50.20	<4.83e1	n/a	n/a	n/a	50.20	n/a
S96T000609		A	Strontium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	1.85e+02	2.230e2	2.040e2	18.6	n/a	5.020	n/a
S96T000609		A	Titanium-ICP-Acid Digest	ug/g	74.00	<1.000e-2	< 5.020	<4.83e0	n/a	n/a	n/a	5.020	n/a
S96T000609		A	Thallium -ICP-Acid Digest	ug/g	91.00	<2.000e-1	<1.00e+02	<9.67e1	n/a	n/a	n/a	100.0	n/a
S96T000609		A	Uranium -ICP-Acid Digest	ug/g	91.80	<5.000e-1	3.61e+02	5.400e2	4.505e2	39.7	n/a	251.0	n/a
S96T000609		A	Vanadium -ICP-Acid Digest	ug/g	93.20	<5.000e-2	< 25.10	<2.42e1	n/a	n/a	n/a	25.10	n/a
S96T000609		A	Zinc -ICP-Acid Digest	ug/g	90.60	1.00e-02	24.80	2.280e1	2.380e1	8.40	n/a	5.020	n/a
S96T000609		A	Zirconium -ICP-Acid Digest	ug/g	55.20	<1.000e-2	5.710	7.950e0	6.830e0	32.8	n/a	5.020	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 6

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003656		Z	Aluminium -ICP-Fusion	ug/g	100.8	<5.000e-2	2.34e+04	2.350e4	2.340e4	0.43	97.00	877.0	n/a
S95T003656		Z	Bismuth -ICP-Fusion	ug/g	101.8	<1.000e-1	<1.75e+03	<1.79e3	n/a	n/a	99.80	1.750e3	n/a
S95T003656		Z	Calcium -ICP-Fusion	ug/g	101.0	<1.000e-1	<1.75e+03	<1.79e3	n/a	n/a	100.0	1.750e3	n/a
S95T003656		Z	Chromium -ICP-Fusion	ug/g	101.8	<1.000e-2	5.18e+03	4.820e3	5.000e3	7.20	103.2	175.0	n/a
S95T003656		Z	Iron -ICP-Fusion	ug/g	101.2	<5.000e-2	<8.77e+02	<8.95e2	n/a	n/a	106.1	877.0	n/a
S95T003656		Z	Lithium -ICP-Fusion	ug/g	103.8	<1.000e-2	<1.75e+02	<1.79e2	n/a	n/a	91.50	175.0	n/a
S95T003656		Z	Manganese -ICP-Fusion	ug/g	100.8	<1.000e-2	<1.75e+02	<1.79e2	n/a	n/a	102.0	175.0	n/a
S95T003656		Z	Sodium -ICP-Fusion	ug/g	102.6	1.49e-01	2.36e+05	2.350e5	2.360e5	0.42	45.20	1.750e3	n/a
S95T003656		Z	Nickel -ICP-Fusion	ug/g	101.2	<2.000e-2	<3.51e+02	<3.58e2	n/a	n/a	102.0	351.0	n/a
S95T003656		Z	Phosphorus -ICP-Fusion	ug/g	105.4	<2.000e-1	<3.51e+03	<3.58e3	n/a	n/a	109.1	3.510e3	n/a
S95T003656		Z	Silicon -ICP-Fusion	ug/g	94.20	<5.000e-2	<8.77e+02	<8.95e2	n/a	n/a	96.90	877.0	n/a
S95T003656		Z	Uranium -ICP-Fusion	ug/g	98.00	<5.000e-1	<8.77e+03	<8.95e3	n/a	n/a	94.65	8.770e3	n/a
S95T003673		A	Silver -ICP-Acid Digest	ug/g	92.00	<1.000e-2	19.30	1.870e1	1.900e1	3.16	85.80	4.860	n/a
S95T003673		A	Aluminium -ICP-Acid Digest	ug/g	97.60	<5.000e-2	2.28e+04	2.290e4	2.280e4	0.44	n/a	24.30	n/a
S95T003673		A	Arsenic -ICP-Acid Digest	ug/g	96.60	<1.000e-1	< 48.60	<4.80e1	n/a	n/a	89.00	48.60	n/a
S95T003673		A	Boron -ICP-Acid Digest	ug/g	112.4	<5.000e-2	< 24.30	<2.40e1	n/a	n/a	85.40	24.30	n/a
S95T003673		A	Barium -ICP-Acid Digest	ug/g	96.20	<5.000e-2	< 24.30	<2.40e1	n/a	n/a	89.60	24.30	n/a
S95T003673		A	Beryllium -ICP-Acid Digest	ug/g	112.4	<5.000e-3	< 2.430	<2.40e0	n/a	n/a	97.60	2.430	n/a
S95T003673		A	Bismuth -ICP-Acid Digest	ug/g	92.20	<1.000e-1	< 48.60	<4.80e1	n/a	n/a	90.40	48.60	n/a
S95T003673		A	Calcium -ICP-Acid Digest	ug/g	101.4	1.07e-01	4.75e+02	3.580e2	4.165e2	28.1	87.34	48.60	n/a
S95T003673		A	Cadmium -ICP-Acid Digest	ug/g	94.40	<5.000e-3	11.00	1.050e1	1.075e1	4.65	88.08	2.430	n/a
S95T003673		A	Cerium -ICP-Acid Digest	ug/g	98.80	<1.000e-1	< 48.60	<4.80e1	n/a	n/a	92.60	48.60	n/a
S95T003673		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	< 9.720	<9.60e0	n/a	n/a	90.00	9.720	n/a
S95T003673		A	Chromium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	4.14e+03	4.180e3	4.160e3	0.96	n/a	4.860	n/a
S95T003673		A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	< 4.860	<4.80e0	n/a	n/a	86.60	4.860	n/a
S95T003673		A	Iron -ICP-Acid Digest	ug/g	94.20	1.07e-01	6.20e+02	6.110e2	6.155e2	1.46	72.44	24.30	n/a
S95T003673		A	Potassium -ICP-Acid Digest	ug/g	98.40	<5.000e-1	3.72e+03	3.840e3	3.780e3	3.17	47.88	243.0	n/a
S95T003673		A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 24.30	<2.40e1	n/a	n/a	91.40	24.30	n/a
S95T003673		A	Lithium -ICP-Acid Digest	ug/g	94.20	<1.000e-2	< 4.860	<4.80e0	n/a	n/a	86.00	4.860	n/a
S95T003673		A	Magnesium -ICP-Acid Digest	ug/g	91.00	<1.000e-1	< 48.60	<4.80e1	n/a	n/a	86.20	48.60	n/a
S95T003673		A	Manganese -ICP-Acid Digest	ug/g	94.00	<1.000e-2	31.60	3.140e1	3.150e1	0.63	85.16	4.860	n/a
S95T003673		A	Molybdenum -ICP-Acid Digest	ug/g	97.00	<5.000e-2	34.30	3.400e1	3.415e1	0.88	89.26	24.30	n/a
S95T003673		A	Sodium -ICP-Acid Digest	ug/g	121.6	<1.000e-1	2.21e+05	2.160e5	2.180e5	2.29	n/a	48.60	n/a
S95T003673		A	Neodymium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 48.60	<4.80e1	n/a	n/a	89.80	48.60	n/a
S95T003673		A	Nickel -ICP-Acid Digest	ug/g	96.00	<2.000e-2	1.79e+02	1.760e2	1.775e2	1.69	85.36	9.720	n/a
S95T003673		A	Phosphorus -ICP-Acid Digest	ug/g	96.60	<2.000e-1	1.03e+03	9.810e2	1.010e3	4.87	77.20	97.20	n/a
S95T003673		A	Lead -ICP-Acid Digest	ug/g	93.80	<1.000e-1	84.10	7.970e1	8.190e1	5.37	87.06	48.60	n/a
S95T003673		A	Sulfur -ICP-Acid Digest	ug/g	90.80	1.36e-01	6.19e+03	5.830e3	6.010e3	5.99	n/a	48.60	n/a
S95T003673		A	Antimony -ICP-Acid Digest	ug/g	89.40	<6.000e-2	< 29.20	<2.88e1	n/a	n/a	84.20	29.20	n/a
S95T003673		A	Selenium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 48.60	<4.80e1	n/a	n/a	89.20	48.60	n/a
S95T003673		A	Silicon -ICP-Acid Digest	ug/g	228.0	7.70e-02	1.61e+02	1.610e2	1.610e2	0.00	85.80	24.30	n/a
S95T003673		A	Samarium -ICP-Acid Digest	ug/g	93.60	<1.000e-1	< 48.60	<4.80e1	n/a	n/a	87.40	48.60	n/a
S95T003673		A	Strontium -ICP-Acid Digest	ug/g	95.60	<1.000e-2	2.20e+02	2.150e2	2.175e2	2.30	86.78	4.860	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003673		A	Titanium-ICP-Acid Digest	ug/g	93.40	<1.000e-2	< 4.860	<4.80e0	n/a	n/a	86.40	4.860	n/a
S95T003673		A	Thallium -ICP-Acid Digest	ug/g	92.60	<2.000e-1	< 97.20	<9.60e1	n/a	n/a	85.40	97.20	n/a
S95T003673		A	Uranium -ICP-Acid Digest	ug/g	92.10	<5.000e-1	4.81e+02	4.610e2	4.710e2	4.25	81.29	243.0	n/a
S95T003673		A	Vanadium -ICP-Acid Digest	ug/g	94.00	<5.000e-2	< 24.30	<2.40e1	n/a	n/a	87.40	24.30	n/a
S95T003673		A	Zinc -ICP-Acid Digest	ug/g	91.00	<1.000e-2	24.70	2.110e1	2.290e1	15.7	85.86	4.860	n/a
S95T003673		A	Zirconium -ICP-Acid Digest	ug/g	94.60	<1.000e-2	8.510	8.110e0	8.310e0	4.81	88.12	4.860	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003657		Z	Aluminium -ICP-Fusion	ug/g	100.8	<5.000e-2	2.61e+04	2.640e4	2.620e4	1.14	99.20	910.0	n/a
S95T003657		Z	Bismuth -ICP-Fusion	ug/g	101.8	<1.000e-1	<1.82e+03	<1.78e3	n/a	n/a	100.0	1.820e3	n/a
S95T003657		Z	Calcium -ICP-Fusion	ug/g	101.0	<1.000e-1	<1.82e+03	<1.78e3	n/a	n/a	99.30	1.820e3	n/a
S95T003657		Z	Chromium -ICP-Fusion	ug/g	101.8	<1.000e-2	4.77e+03	4.760e3	4.760e3	0.21	104.8	182.0	n/a
S95T003657		Z	Iron -ICP-Fusion	ug/g	101.2	<5.000e-2	<9.10e+02	<8.89e2	n/a	n/a	105.7	910.0	n/a
S95T003657		Z	Lithium -ICP-Fusion	ug/g	103.8	<1.000e-2	<1.82e+02	<1.78e2	n/a	n/a	89.80	182.0	n/a
S95T003657		Z	Manganese -ICP-Fusion	ug/g	100.8	<1.000e-2	<1.82e+02	<1.78e2	n/a	n/a	103.0	182.0	n/a
S95T003657		Z	Sodium -ICP-Fusion	ug/g	102.6	1.49e-01	2.33e+05	2.340e5	2.340e5	0.43	69.00	1.820e3	n/a
S95T003657		Z	Nickel -ICP-Fusion	ug/g	101.2	<2.000e-2	<3.64e+02	<3.56e2	n/a	n/a	103.2	364.0	n/a
S95T003657		Z	Phosphorus -ICP-Fusion	ug/g	105.4	<2.000e-1	<3.64e+03	<3.56e3	n/a	n/a	109.8	3.640e3	n/a
S95T003657		Z	Silicon -ICP-Fusion	ug/g	94.20	<5.000e-2	<9.10e+02	<8.89e2	n/a	n/a	97.40	910.0	n/a
S95T003657		Z	Uranium -ICP-Fusion	ug/g	98.00	<5.000e-1	<9.10e+03	<8.89e3	n/a	n/a	98.20	9.100e3	n/a
S95T003674		A	Silver -ICP-Acid Digest	ug/g	92.00	<1.000e-2	18.30	1.810e1	1.820e1	1.10	n/a	4.420	n/a
S95T003674		A	Aluminium -ICP-Acid Digest	ug/g	97.60	<5.000e-2	2.28e+04	2.430e4	2.360e4	6.37	n/a	22.10	n/a
S95T003674		A	Arsenic -ICP-Acid Digest	ug/g	96.60	<1.000e-1	< 44.20	<4.50e1	n/a	n/a	n/a	44.20	n/a
S95T003674		A	Boron -ICP-Acid Digest	ug/g	112.4	<5.000e-2	< 22.10	<2.25e1	n/a	n/a	n/a	22.10	n/a
S95T003674		A	Barium -ICP-Acid Digest	ug/g	96.20	<5.000e-2	< 22.10	<2.25e1	n/a	n/a	n/a	22.10	n/a
S95T003674		A	Beryllium -ICP-Acid Digest	ug/g	112.4	<5.000e-3	< 2.210	<2.25e0	n/a	n/a	n/a	2.210	n/a
S95T003674		A	Bismuth -ICP-Acid Digest	ug/g	92.20	<1.000e-1	< 44.20	<4.50e1	n/a	n/a	n/a	44.20	n/a
S95T003674		A	Calcium -ICP-Acid Digest	ug/g	101.4	1.07e-01	2.16e+02	2.220e2	2.190e2	2.74	n/a	44.20	n/a
S95T003674		A	Cadmium -ICP-Acid Digest	ug/g	94.40	<5.000e-3	8.630	8.730e0	8.680e0	1.15	n/a	2.210	n/a
S95T003674		A	Cerium -ICP-Acid Digest	ug/g	98.80	<1.000e-1	< 44.20	<4.50e1	n/a	n/a	n/a	44.20	n/a
S95T003674		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	< 8.850	<8.99e0	n/a	n/a	n/a	8.850	n/a
S95T003674		A	Chromium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	3.17e+03	3.570e3	3.370e3	11.9	n/a	4.420	n/a
S95T003674		A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	< 4.420	<4.50e0	n/a	n/a	n/a	4.420	n/a
S95T003674		A	Iron -ICP-Acid Digest	ug/g	94.20	1.07e-01	4.16e+02	4.560e2	4.360e2	9.17	n/a	22.10	n/a
S95T003674		A	Potassium -ICP-Acid Digest	ug/g	98.40	<5.000e-1	3.71e+03	3.990e3	3.850e3	7.27	n/a	221.0	n/a
S95T003674		A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 22.10	<2.25e1	n/a	n/a	n/a	22.10	n/a
S95T003674		A	Lithium -ICP-Acid Digest	ug/g	94.20	<1.000e-2	< 4.420	<4.50e0	n/a	n/a	n/a	4.420	n/a
S95T003674		A	Magnesium -ICP-Acid Digest	ug/g	91.00	<1.000e-1	< 44.20	<4.50e1	n/a	n/a	n/a	44.20	n/a
S95T003674		A	Manganese -ICP-Acid Digest	ug/g	94.00	<1.000e-2	20.00	2.270e1	2.135e1	12.6	n/a	4.420	n/a
S95T003674		A	Molybdenum -ICP-Acid Digest	ug/g	97.00	<5.000e-2	34.50	3.550e1	3.500e1	2.86	n/a	22.10	n/a
S95T003674		A	Sodium -ICP-Acid Digest	ug/g	121.6	<1.000e-1	2.15e+05	2.110e5	2.130e5	1.88	n/a	44.20	n/a
S95T003674		A	Neodymium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 44.20	<4.50e1	n/a	n/a	n/a	44.20	n/a
S95T003674		A	Nickel -ICP-Acid Digest	ug/g	96.00	<2.000e-2	1.26e+02	1.320e2	1.290e2	4.65	n/a	8.850	n/a
S95T003674		A	Phosphorus -ICP-Acid Digest	ug/g	96.60	<2.000e-1	8.92e+02	9.250e2	9.085e2	3.63	n/a	88.50	n/a
S95T003674		A	Lead -ICP-Acid Digest	ug/g	93.80	<1.000e-1	71.80	7.540e1	7.360e1	4.89	n/a	44.20	n/a
S95T003674		A	Sulfur -ICP-Acid Digest	ug/g	90.80	1.36e-01	5.52e+03	5.700e3	5.610e3	3.21	n/a	44.20	n/a
S95T003674		A	Antimony -ICP-Acid Digest	ug/g	89.40	<6.000e-2	< 26.50	<2.70e1	n/a	n/a	n/a	26.50	n/a
S95T003674		A	Selenium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 44.20	<4.50e1	n/a	n/a	n/a	44.20	n/a

Sample# R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003674	A	Silicon -ICP-Acid Digest	ug/g	228.0	7.70e-02	1.14e+02	1.300e2	1.220e2	13.1	n/a	22.10	n/a
S95T003674	A	Samarium -ICP-Acid Digest	ug/g	93.60	<1.000e-1	< 44.20	<4.50e1	n/a	n/a	n/a	44.20	n/a
S95T003674	A	Strontium -ICP-Acid Digest	ug/g	95.60	<1.000e-2	1.67e+02	1.690e2	1.680e2	1.19	n/a	4.420	n/a
S95T003674	A	Titanium-ICP-Acid Digest	ug/g	93.40	<1.000e-2	< 4.420	<4.50e0	n/a	n/a	n/a	4.420	n/a
S95T003674	A	Thallium -ICP-Acid Digest	ug/g	92.60	<2.000e-1	< 88.50	<8.99e1	n/a	n/a	n/a	88.50	n/a
S95T003674	A	Uranium -ICP-Acid Digest	ug/g	92.10	<5.000e-1	3.92e+02	3.920e2	3.920e2	0.00	n/a	221.0	n/a
S95T003674	A	Vanadium -ICP-Acid Digest	ug/g	94.00	<5.000e-2	< 22.10	<2.25e1	n/a	n/a	n/a	22.10	n/a
S95T003674	A	Zinc -ICP-Acid Digest	ug/g	91.00	<1.000e-2	18.50	1.750e1	1.800e1	5.56	n/a	4.420	n/a
S95T003674	A	Zirconium -ICP-Acid Digest	ug/g	94.60	<1.000e-2	7.550	7.580e0	7.565e0	0.40	n/a	4.420	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample# R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003658	Z	Aluminium -ICP-Fusion	ug/g	99.40	<5.000e-2	2.24e+04	1.930e4	2.080e4	14.9	97.50	950.0	n/a
S95T003658	Z	Bismuth -ICP-Fusion	ug/g	101.2	<1.000e-1	<1.90e+03	<1.92e3	n/a	n/a	100.8	1.900e3	n/a
S95T003658	Z	Calcium -ICP-Fusion	ug/g	101.8	<1.000e-1	<1.90e+03	<1.92e3	n/a	n/a	101.5	1.900e3	n/a
S95T003658	Z	Chromium -ICP-Fusion	ug/g	100.6	<1.000e-2	4.46e+03	4.670e3	4.560e3	4.60	100.5	190.0	n/a
S95T003658	Z	Iron -ICP-Fusion	ug/g	101.4	<5.000e-2	<9.50e+02	<9.58e2	n/a	n/a	104.9	950.0	n/a
S95T003658	Z	Lithium -ICP-Fusion	ug/g	103.4	<1.000e-2	<1.90e+02	<1.92e2	n/a	n/a	94.90	190.0	n/a
S95T003658	Z	Manganese -ICP-Fusion	ug/g	100.6	<1.000e-2	<1.90e+02	<1.92e2	n/a	n/a	100.0	190.0	n/a
S95T003658	Z	Sodium -ICP-Fusion	ug/g	101.8	1.69e-01	2.40e+05	2.400e5	2.400e5	0.00	81.00	1.900e3	n/a
S95T003658	Z	Nickel -ICP-Fusion	ug/g	100.0	<2.000e-2	<3.80e+02	<3.83e2	n/a	n/a	100.0	380.0	n/a
S95T003658	Z	Phosphorus -ICP-Fusion	ug/g	97.00	<2.000e-1	<3.80e+03	<3.83e3	n/a	n/a	108.3	3.800e3	n/a
S95T003658	Z	Silicon -ICP-Fusion	ug/g	95.80	<5.000e-2	<9.50e+02	<9.58e2	n/a	n/a	95.20	950.0	n/a
S95T003658	Z	Uranium -ICP-Fusion	ug/g	97.40	<5.000e-1	<9.50e+03	<9.58e3	n/a	n/a	90.30	9.500e3	n/a
S95T003675	A	Silver -ICP-Acid Digest	ug/g	92.00	<1.000e-2	16.20	1.810e1	1.715e1	11.1	n/a	5.000	n/a
S95T003675	A	Aluminium -ICP-Acid Digest	ug/g	97.60	<5.000e-2	1.87e+04	2.030e4	1.950e4	8.21	n/a	25.00	n/a
S95T003675	A	Arsenic -ICP-Acid Digest	ug/g	96.60	<1.000e-1	< 50.00	<5.03e1	n/a	n/a	n/a	50.00	n/a
S95T003675	A	Boron -ICP-Acid Digest	ug/g	112.4	<5.000e-2	< 25.00	<2.51e1	n/a	n/a	n/a	25.00	n/a
S95T003675	A	Barium -ICP-Acid Digest	ug/g	96.20	<5.000e-2	< 25.00	<2.51e1	n/a	n/a	n/a	25.00	n/a
S95T003675	A	Beryllium -ICP-Acid Digest	ug/g	112.4	<5.000e-3	< 2.500	<2.51e0	n/a	n/a	n/a	2.500	n/a
S95T003675	A	Bismuth -ICP-Acid Digest	ug/g	92.20	<1.000e-1	< 50.00	<5.03e1	n/a	n/a	n/a	50.00	n/a
S95T003675	A	Calcium -ICP-Acid Digest	ug/g	101.4	1.07e-01	4.82e+02	4.290e2	4.555e2	11.6	n/a	50.00	n/a
S95T003675	A	Cadmium -ICP-Acid Digest	ug/g	94.40	<5.000e-3	8.710	1.050e1	9.605e0	18.6	n/a	2.500	n/a
S95T003675	A	Cerium -ICP-Acid Digest	ug/g	98.80	<1.000e-1	< 50.00	<5.03e1	n/a	n/a	n/a	50.00	n/a
S95T003675	A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	< 10.00	<1.02e1	n/a	n/a	n/a	10.00	n/a
S95T003675	A	Chromium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	3.12e+03	3.500e3	3.310e3	11.5	n/a	5.000	n/a
S95T003675	A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	< 5.000	5.030e0	n/a	n/a	n/a	5.000	n/a
S95T003675	A	Iron -ICP-Acid Digest	ug/g	94.20	1.07e-01	5.48e+02	6.010e2	5.745e2	9.23	n/a	25.00	n/a
S95T003675	A	Potassium -ICP-Acid Digest	ug/g	98.40	<5.000e-1	3.06e+03	3.330e3	3.200e3	8.45	n/a	250.0	n/a
S95T003675	A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 25.00	<2.51e1	n/a	n/a	n/a	25.00	n/a
S95T003675	A	Lithium -ICP-Acid Digest	ug/g	94.20	<1.000e-2	< 5.000	<5.03e0	n/a	n/a	n/a	5.000	n/a
S95T003675	A	Magnesium -ICP-Acid Digest	ug/g	91.00	<1.000e-1	< 50.00	<5.03e1	n/a	n/a	n/a	50.00	n/a
S95T003675	A	Manganese -ICP-Acid Digest	ug/g	94.00	<1.000e-2	26.00	2.940e1	2.770e1	12.3	n/a	5.000	n/a
S95T003675	A	Molybdenum -ICP-Acid Digest	ug/g	97.00	<5.000e-2	29.50	3.070e1	3.010e1	3.99	n/a	25.00	n/a
S95T003675	A	Sodium -ICP-Acid Digest	ug/g	121.6	<1.000e-1	1.91e+05	2.230e5	2.070e5	15.5	n/a	50.00	n/a
S95T003675	A	Neodymium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 50.00	<5.03e1	n/a	n/a	n/a	50.00	n/a
S95T003675	A	Nickel -ICP-Acid Digest	ug/g	96.00	<2.000e-2	1.58e+02	1.700e2	1.640e2	7.32	n/a	10.00	n/a
S95T003675	A	Phosphorus -ICP-Acid Digest	ug/g	96.60	<2.000e-1	8.70e+02	9.470e2	9.085e2	8.48	n/a	100.0	n/a
S95T003675	A	Lead -ICP-Acid Digest	ug/g	93.80	<1.000e-1	62.00	6.710e1	6.455e1	7.90	n/a	50.00	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003675		A	Sulfur -ICP-Acid Digest	ug/g	90.80	1.36e-01	5.60e+03	6.460e3	6.030e3	14.3	n/a	50.00	n/a
S95T003675		A	Antimony -ICP-Acid Digest	ug/g	89.40	<6.000e-2	< 30.00	<3.02e1	n/a	n/a	n/a	30.00	n/a
S95T003675		A	Selenium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 50.00	<5.03e1	n/a	n/a	n/a	50.00	n/a
S95T003675		A	Silicon -ICP-Acid Digest	ug/g	228.0	7.70e-02	1.57e+02	1.670e2	1.620e2	6.17	n/a	25.00	n/a
S95T003675		A	Samarium -ICP-Acid Digest	ug/g	93.60	<1.000e-1	< 50.00	<5.03e1	n/a	n/a	n/a	50.00	n/a
S95T003675		A	Strontium -ICP-Acid Digest	ug/g	95.60	<1.000e-2	2.06e+02	2.290e2	2.175e2	10.6	n/a	5.000	n/a
S95T003675		A	Titanium-ICP-Acid Digest	ug/g	93.40	<1.000e-2	< 5.000	<5.03e0	n/a	n/a	n/a	5.000	n/a
S95T003675		A	Thallium -ICP-Acid Digest	ug/g	92.60	<2.000e-1	<1.00e+02	<1.02e2	n/a	n/a	n/a	100.0	n/a
S95T003675		A	Uranium -ICP-Acid Digest	ug/g	92.10	<5.000e-1	3.98e+02	4.660e2	4.320e2	15.7	n/a	250.0	n/a
S95T003675		A	Vanadium -ICP-Acid Digest	ug/g	94.00	<5.000e-2	< 25.00	<2.51e1	n/a	n/a	n/a	25.00	n/a
S95T003675		A	Zinc -ICP-Acid Digest	ug/g	91.00	<1.000e-2	20.90	2.230e1	2.160e1	6.48	n/a	5.000	n/a
S95T003675		A	Zirconium -ICP-Acid Digest	ug/g	94.60	<1.000e-2	6.640	8.160e0	7.400e0	20.5	n/a	5.000	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003659		Z	Aluminium -ICP-Fusion	ug/g	99.40	<5.000e-2	2.26e+04	1.910e4	2.080e4	16.8	99.30	1.020e3	n/a
S95T003659		Z	Bismuth -ICP-Fusion	ug/g	101.2	<1.000e-1	<2.04e+03	<1.99e3	n/a	n/a	100.0	2.040e3	n/a
S95T003659		Z	Calcium -ICP-Fusion	ug/g	101.8	<1.000e-1	<2.04e+03	<1.99e3	n/a	n/a	101.3	2.040e3	n/a
S95T003659		Z	Chromium -ICP-Fusion	ug/g	100.6	<1.000e-2	4.48e+03	4.070e3	4.280e3	9.59	100.3	204.0	n/a
S95T003659		Z	Iron -ICP-Fusion	ug/g	101.4	<5.000e-2	<1.02e+03	<9.94e2	n/a	n/a	104.7	1.020e3	n/a
S95T003659		Z	Lithium -ICP-Fusion	ug/g	103.4	<1.000e-2	<2.04e+02	<1.99e2	n/a	n/a	94.70	204.0	n/a
S95T003659		Z	Manganese -ICP-Fusion	ug/g	100.6	<1.000e-2	<2.04e+02	<1.99e2	n/a	n/a	100.8	204.0	n/a
S95T003659		Z	Sodium -ICP-Fusion	ug/g	101.8	1.69e-01	2.28e+05	2.310e5	2.300e5	1.31	124.3	2.040e3	n/a
S95T003659		Z	Nickel -ICP-Fusion	ug/g	100.0	<2.000e-2	<4.09e+02	<3.98e2	n/a	n/a	100.8	409.0	n/a
S95T003659		Z	Phosphorus -ICP-Fusion	ug/g	97.00	<2.000e-1	<4.09e+03	<3.98e3	n/a	n/a	109.6	4.090e3	n/a
S95T003659		Z	Silicon -ICP-Fusion	ug/g	95.80	<5.000e-2	<1.02e+03	<9.94e2	n/a	n/a	96.10	1.020e3	n/a
S95T003659		Z	Uranium -ICP-Fusion	ug/g	97.40	<5.000e-1	<1.02e+04	<9.94e3	n/a	n/a	90.50	1.020e4	n/a
S95T003676		A	Silver -ICP-Acid Digest	ug/g	92.00	<1.000e-2	19.60	1.700e1	1.830e1	14.2	n/a	4.910	n/a
S95T003676		A	Aluminium -ICP-Acid Digest	ug/g	97.60	<5.000e-2	2.15e+04	1.910e4	2.030e4	11.8	n/a	24.60	n/a
S95T003676		A	Arsenic -ICP-Acid Digest	ug/g	96.60	<1.000e-1	< 49.10	<4.70e1	n/a	n/a	n/a	49.10	n/a
S95T003676		A	Boron -ICP-Acid Digest	ug/g	112.4	<5.000e-2	< 24.70	<2.35e1	n/a	n/a	n/a	24.60	n/a
S95T003676		A	Barium -ICP-Acid Digest	ug/g	96.20	<5.000e-2	< 24.70	<2.35e1	n/a	n/a	n/a	24.60	n/a
S95T003676		A	Beryllium -ICP-Acid Digest	ug/g	112.4	<5.000e-3	< 2.470	<2.35e0	n/a	n/a	n/a	2.460	n/a
S95T003676		A	Bismuth -ICP-Acid Digest	ug/g	92.20	<1.000e-1	51.60	<4.70e1	n/a	n/a	n/a	49.10	n/a
S95T003676		A	Calcium -ICP-Acid Digest	ug/g	101.4	1.07e-01	4.71e+02	3.330e2	4.020e2	34.3	n/a	49.10	n/a
S95T003676		A	Cadmium -ICP-Acid Digest	ug/g	94.40	<5.000e-3	13.80	1.020e1	1.200e1	30.0	n/a	2.460	n/a
S95T003676		A	Cerium -ICP-Acid Digest	ug/g	98.80	<1.000e-1	< 49.10	<4.70e1	n/a	n/a	n/a	49.10	n/a
S95T003676		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	11.00	<9.40e0	n/a	n/a	n/a	9.820	n/a
S95T003676		A	Chromium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	3.78e+03	3.210e3	3.500e3	16.3	n/a	4.910	n/a
S95T003676		A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	< 4.910	<4.70e0	n/a	n/a	n/a	4.910	n/a
S95T003676		A	Iron -ICP-Acid Digest	ug/g	94.20	1.07e-01	8.39e+02	6.900e2	7.645e2	19.5	n/a	24.60	n/a
S95T003676		A	Potassium -ICP-Acid Digest	ug/g	98.40	<5.000e-1	3.48e+03	3.060e3	3.270e3	12.8	n/a	246.0	n/a
S95T003676		A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 24.70	<2.35e1	n/a	n/a	n/a	24.60	n/a
S95T003676		A	Lithium -ICP-Acid Digest	ug/g	94.20	<1.000e-2	< 4.910	<4.70e0	n/a	n/a	n/a	4.910	n/a
S95T003676		A	Magnesium -ICP-Acid Digest	ug/g	91.00	<1.000e-1	< 49.10	<4.70e1	n/a	n/a	n/a	49.10	n/a
S95T003676		A	Manganese -ICP-Acid Digest	ug/g	94.00	<1.000e-2	35.80	2.980e1	3.280e1	18.3	n/a	4.910	n/a
S95T003676		A	Molybdenum -ICP-Acid Digest	ug/g	97.00	<5.000e-2	31.50	2.970e1	3.060e1	5.88	n/a	24.60	n/a
S95T003676		A	Sodium -ICP-Acid Digest	ug/g	121.6	<1.000e-1	2.11e+05	1.900e5	2.000e5	10.5	n/a	49.10	n/a
S95T003676		A	Neodymium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 49.10	<4.70e1	n/a	n/a	n/a	49.10	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003676		A	Nickel -ICP-Acid Digest	ug/g	96.00	<2.000e-2	2.40e+02	1.960e2	2.180e2	20.2	n/a	9.820	n/a
S95T003676		A	Phosphorus -ICP-Acid Digest	ug/g	96.60	<2.000e-1	1.04e+03	9.000e2	9.700e2	14.4	n/a	98.20	n/a
S95T003676		A	Lead -ICP-Acid Digest	ug/g	93.80	<1.000e-1	1.04e+02	7.760e1	9.080e1	29.1	n/a	49.10	n/a
S95T003676		A	Sulfur -ICP-Acid Digest	ug/g	90.80	1.36e-01	7.01e+03	6.460e3	6.740e3	8.17	n/a	49.10	n/a
S95T003676		A	Antimony -ICP-Acid Digest	ug/g	89.40	<6.000e-2	< 29.50	<2.82e1	n/a	n/a	n/a	29.50	n/a
S95T003676		A	Selenium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 49.10	<4.70e1	n/a	n/a	n/a	49.10	n/a
S95T003676		A	Silicon -ICP-Acid Digest	ug/g	228.0	7.70e-02	2.36e+02	1.830e2	2.095e2	25.3	n/a	24.60	n/a
S95T003676		A	Samarium -ICP-Acid Digest	ug/g	93.60	<1.000e-1	< 49.10	<4.70e1	n/a	n/a	n/a	49.10	n/a
S95T003676		A	Strontium -ICP-Acid Digest	ug/g	95.60	<1.000e-2	3.32e+02	2.680e2	3.000e2	21.3	n/a	4.910	n/a
S95T003676		A	Titanium-ICP-Acid Digest	ug/g	93.40	<1.000e-2	< 4.910	<4.70e0	n/a	n/a	n/a	4.910	n/a
S95T003676		A	Thallium -ICP-Acid Digest	ug/g	92.60	<2.000e-1	< 98.20	<9.40e1	n/a	n/a	n/a	98.20	n/a
S95T003676		A	Uranium -ICP-Acid Digest	ug/g	92.10	<5.000e-1	7.19e+02	5.550e2	6.370e2	25.7	n/a	246.0	n/a
S95T003676		A	Vanadium -ICP-Acid Digest	ug/g	94.00	<5.000e-2	< 24.70	<2.35e1	n/a	n/a	n/a	24.60	n/a
S95T003676		A	Zinc -ICP-Acid Digest	ug/g	91.00	<1.000e-2	24.90	1.770e1	2.130e1	33.8	n/a	4.910	n/a
S95T003676		A	Zirconium -ICP-Acid Digest	ug/g	94.60	<1.000e-2	13.00	1.100e1	1.200e1	16.7	n/a	4.910	n/a

C3

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 7

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003660		Z	Aluminium -ICP-Fusion	ug/g	99.40	<5.000e-2	2.44e+04	2.560e4	2.500e4	4.80	100.0	1.020e3	n/a
S95T003660		Z	Bismuth -ICP-Fusion	ug/g	101.2	<1.000e-1	<2.05e+03	<2.04e3	n/a	n/a	99.10	2.050e3	n/a
S95T003660		Z	Calcium -ICP-Fusion	ug/g	101.8	<1.000e-1	<2.05e+03	<2.04e3	n/a	n/a	101.7	2.050e3	n/a
S95T003660		Z	Chromium -ICP-Fusion	ug/g	100.6	<1.000e-2	4.77e+03	5.390e3	5.080e3	12.2	102.3	205.0	n/a
S95T003660		Z	Iron -ICP-Fusion	ug/g	101.4	<5.000e-2	1.13e+03	1.130e3	1.130e3	0.00	101.8	1.020e3	n/a
S95T003660		Z	Lithium -ICP-Fusion	ug/g	103.4	<1.000e-2	<2.05e+02	<2.04e2	n/a	n/a	93.50	205.0	n/a
S95T003660		Z	Manganese -ICP-Fusion	ug/g	100.6	<1.000e-2	<2.05e+02	<2.04e2	n/a	n/a	101.5	205.0	n/a
S95T003660		Z	Sodium -ICP-Fusion	ug/g	101.8	1.69e-01	2.39e+05	2.410e5	2.400e5	0.83	125.8	2.050e3	n/a
S95T003660		Z	Nickel -ICP-Fusion	ug/g	100.0	<2.000e-2	4.11e+02	4.520e2	4.315e2	9.50	99.50	409.0	n/a
S95T003660		Z	Phosphorus -ICP-Fusion	ug/g	97.00	<2.000e-1	<4.09e+03	<4.09e3	n/a	n/a	109.8	4.090e3	n/a
S95T003660		Z	Silicon -ICP-Fusion	ug/g	95.80	<5.000e-2	<1.02e+03	<1.02e3	n/a	n/a	96.90	1.020e3	n/a
S95T003660		Z	Uranium -ICP-Fusion	ug/g	97.40	<5.000e-1	<1.02e+04	<1.02e4	n/a	n/a	92.50	1.020e4	n/a
S95T003677		A	Silver -ICP-Acid Digest	ug/g	92.00	<1.000e-2	19.80	1.920e1	1.950e1	3.08	n/a	4.340	n/a
S95T003677		A	Aluminium -ICP-Acid Digest	ug/g	97.60	<5.000e-2	2.16e+04	2.110e4	2.140e4	2.34	n/a	21.70	n/a
S95T003677		A	Arsenic -ICP-Acid Digest	ug/g	96.60	<1.000e-1	< 43.40	<4.25e1	n/a	n/a	n/a	43.40	n/a
S95T003677		A	Boron -ICP-Acid Digest	ug/g	112.4	<5.000e-2	< 21.70	2.370e1	n/a	n/a	n/a	21.70	n/a
S95T003677		A	Barium -ICP-Acid Digest	ug/g	96.20	<5.000e-2	< 21.70	<2.14e1	n/a	n/a	n/a	21.70	n/a
S95T003677		A	Beryllium -ICP-Acid Digest	ug/g	112.4	<5.000e-3	< 2.170	<2.14e0	n/a	n/a	n/a	2.170	n/a
S95T003677		A	Bismuth -ICP-Acid Digest	ug/g	92.20	<1.000e-1	72.10	7.660e1	7.435e1	6.05	n/a	43.40	n/a
S95T003677		A	Calcium -ICP-Acid Digest	ug/g	101.4	1.07e-01	5.40e+02	4.080e2	4.740e2	27.8	n/a	43.40	n/a
S95T003677		A	Cadmium -ICP-Acid Digest	ug/g	94.40	<5.000e-3	13.10	1.300e1	1.305e1	0.77	n/a	2.170	n/a
S95T003677		A	Cerium -ICP-Acid Digest	ug/g	98.80	<1.000e-1	< 43.40	<4.25e1	n/a	n/a	n/a	43.40	n/a
S95T003677		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	11.30	1.200e1	1.165e1	6.01	n/a	8.680	n/a
S95T003677		A	Chromium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	3.38e+03	3.400e3	3.390e3	0.59	n/a	4.340	n/a
S95T003677		A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	< 4.340	<4.25e0	n/a	n/a	n/a	4.340	n/a
S95T003677		A	Iron -ICP-Acid Digest	ug/g	94.20	1.07e-01	9.73e+02	9.780e2	9.755e2	0.51	n/a	21.70	n/a
S95T003677		A	Potassium -ICP-Acid Digest	ug/g	98.40	<5.000e-1	3.41e+03	3.250e3	3.330e3	4.80	n/a	217.0	n/a
S95T003677		A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 21.70	<2.14e1	n/a	n/a	n/a	21.70	n/a
S95T003677		A	Lithium -ICP-Acid Digest	ug/g	94.20	<1.000e-2	< 4.340	<4.25e0	n/a	n/a	n/a	4.340	n/a
S95T003677		A	Magnesium -ICP-Acid Digest	ug/g	91.00	<1.000e-1	< 43.40	<4.25e1	n/a	n/a	n/a	43.40	n/a
S95T003677		A	Manganese -ICP-Acid Digest	ug/g	94.00	<1.000e-2	38.40	3.860e1	3.850e1	0.52	n/a	4.340	n/a
S95T003677		A	Molybdenum -ICP-Acid Digest	ug/g	97.00	<5.000e-2	28.30	2.830e1	2.830e1	0.00	n/a	21.70	n/a
S95T003677		A	Sodium -ICP-Acid Digest	ug/g	121.6	<1.000e-1	2.09e+05	2.030e5	2.060e5	2.91	n/a	43.40	n/a
S95T003677		A	Neodymium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 43.40	<4.25e1	n/a	n/a	n/a	43.40	n/a
S95T003677		A	Nickel -ICP-Acid Digest	ug/g	96.00	<2.000e-2	2.69e+02	2.620e2	2.655e2	2.64	n/a	8.680	n/a
S95T003677		A	Phosphorus -ICP-Acid Digest	ug/g	96.60	<2.000e-1	1.09e+03	1.050e3	1.070e3	3.74	n/a	86.80	n/a
S95T003677		A	Lead -ICP-Acid Digest	ug/g	93.80	<1.000e-1	82.10	8.290e1	8.250e1	0.97	n/a	43.40	n/a
S95T003677		A	Sulfur -ICP-Acid Digest	ug/g	90.80	1.36e-01	7.69e+03	7.530e3	7.610e3	2.10	n/a	43.40	n/a
S95T003677		A	Antimony -ICP-Acid Digest	ug/g	89.40	<6.000e-2	< 26.20	<2.55e1	n/a	n/a	n/a	26.10	n/a
S95T003677		A	Selenium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 43.40	<4.25e1	n/a	n/a	n/a	43.40	n/a
S95T003677		A	Silicon -ICP-Acid Digest	ug/g	228.0	7.70e-02	2.03e+02	2.100e2	2.065e2	3.39	n/a	21.70	n/a
S95T003677		A	Samarium -ICP-Acid Digest	ug/g	93.60	<1.000e-1	< 43.40	<4.25e1	n/a	n/a	n/a	43.40	n/a
S95T003677		A	Strontium -ICP-Acid Digest	ug/g	95.60	<1.000e-2	3.84e+02	3.970e2	3.905e2	3.33	n/a	4.340	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003677		A	Titanium-ICP-Acid Digest	ug/g	93.40	<1.000e-2	< 4.340	<4.25e0	n/a	n/a	n/a	4.340	n/a
S95T003677		A	Thallium -ICP-Acid Digest	ug/g	92.60	<2.000e-1	< 86.80	<8.50e1	n/a	n/a	n/a	86.80	n/a
S95T003677		A	Uranium -ICP-Acid Digest	ug/g	92.10	<5.000e-1	7.63e+02	7.570e2	7.600e2	0.79	n/a	217.0	n/a
S95T003677		A	Vanadium -ICP-Acid Digest	ug/g	94.00	<5.000e-2	< 21.70	<2.14e1	n/a	n/a	n/a	21.70	n/a
S95T003677		A	Zinc -ICP-Acid Digest	ug/g	91.00	<1.000e-2	21.00	1.990e1	2.045e1	5.38	n/a	4.340	n/a
S95T003677		A	Zirconium -ICP-Acid Digest	ug/g	94.60	<1.000e-2	10.40	1.010e1	1.025e1	2.93	n/a	4.340	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003661		Z	Aluminium -ICP-Fusion	ug/g	99.40	<5.000e-2	2.33e+04	2.310e4	2.320e4	0.86	99.50	979.0	n/a
S95T003661		Z	Bismuth -ICP-Fusion	ug/g	101.2	<1.000e-1	<1.96e+03	<1.97e3	n/a	n/a	99.10	1.960e3	n/a
S95T003661		Z	Calcium -ICP-Fusion	ug/g	101.8	<1.000e-1	<1.96e+03	<1.97e3	n/a	n/a	103.2	1.960e3	n/a
S95T003661		Z	Chromium -ICP-Fusion	ug/g	100.6	<1.000e-2	4.16e+03	4.010e3	4.080e3	3.67	99.30	196.0	n/a
S95T003661		Z	Iron -ICP-Fusion	ug/g	101.4	<5.000e-2	<9.79e+02	<9.85e2	n/a	n/a	105.2	979.0	n/a
S95T003661		Z	Lithium -ICP-Fusion	ug/g	103.4	<1.000e-2	<1.96e+02	<1.97e2	n/a	n/a	97.60	196.0	n/a
S95T003661		Z	Manganese -ICP-Fusion	ug/g	100.6	<1.000e-2	<1.96e+02	<1.97e2	n/a	n/a	100.3	196.0	n/a
S95T003661		Z	Sodium -ICP-Fusion	ug/g	101.8	1.69e-01	2.30e+05	2.380e5	2.340e5	3.42	141.5	1.960e3	n/a
S95T003661		Z	Nickel -ICP-Fusion	ug/g	100.0	<2.000e-2	<3.91e+02	<3.94e2	n/a	n/a	99.80	391.0	n/a
S95T003661		Z	Phosphorus -ICP-Fusion	ug/g	97.00	<2.000e-1	<3.91e+03	<3.94e3	n/a	n/a	112.2	3.910e3	n/a
S95T003661		Z	Silicon -ICP-Fusion	ug/g	95.80	<5.000e-2	<9.79e+02	<9.85e2	n/a	n/a	96.60	979.0	n/a
S95T003661		Z	Uranium -ICP-Fusion	ug/g	97.40	<5.000e-1	<9.79e+03	<9.85e3	n/a	n/a	91.50	9.790e3	n/a
S95T003678		A	Silver -ICP-Acid Digest	ug/g	92.00	<1.000e-2	19.30	1.810e1	1.870e1	6.42	n/a	5.020	n/a
S95T003678		A	Aluminium -ICP-Acid Digest	ug/g	97.60	<5.000e-2	2.19e+04	2.140e4	2.160e4	2.31	n/a	25.10	n/a
S95T003678		A	Arsenic -ICP-Acid Digest	ug/g	96.60	<1.000e-1	< 50.20	<4.89e1	n/a	n/a	n/a	50.20	n/a
S95T003678		A	Boron -ICP-Acid Digest	ug/g	112.4	<5.000e-2	< 25.10	<2.44e1	n/a	n/a	n/a	25.10	n/a
S95T003678		A	Barium -ICP-Acid Digest	ug/g	96.20	<5.000e-2	< 25.10	<2.44e1	n/a	n/a	n/a	25.10	n/a
S95T003678		A	Beryllium -ICP-Acid Digest	ug/g	112.4	<5.000e-3	< 2.510	<2.44e0	n/a	n/a	n/a	2.510	n/a
S95T003678		A	Bismuth -ICP-Acid Digest	ug/g	92.20	<1.000e-1	64.90	5.870e1	6.180e1	10.0	n/a	50.20	n/a
S95T003678		A	Calcium -ICP-Acid Digest	ug/g	101.4	1.07e-01	4.42e+02	3.340e2	3.880e2	27.8	n/a	50.20	n/a
S95T003678		A	Cadmium -ICP-Acid Digest	ug/g	94.40	<5.000e-3	9.910	9.320e0	9.615e0	6.14	n/a	2.510	n/a
S95T003678		A	Cerium -ICP-Acid Digest	ug/g	98.80	<1.000e-1	< 50.20	<4.89e1	n/a	n/a	n/a	50.20	n/a
S95T003678		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	10.50	1.060e1	1.055e1	0.95	n/a	10.00	n/a
S95T003678		A	Chromium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	2.57e+03	2.980e3	2.780e3	14.8	n/a	5.020	n/a
S95T003678		A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	< 5.020	4.920e0	n/a	n/a	n/a	5.020	n/a
S95T003678		A	Iron -ICP-Acid Digest	ug/g	94.20	1.07e-01	6.69e+02	7.270e2	6.980e2	8.31	n/a	25.10	n/a
S95T003678		A	Potassium -ICP-Acid Digest	ug/g	98.40	<5.000e-1	3.40e+03	3.270e3	3.340e3	3.90	n/a	251.0	n/a
S95T003678		A	Lanthanum -ICP-Acid Digest	ug/g	97.20	<5.000e-2	< 25.10	<2.44e1	n/a	n/a	n/a	25.10	n/a
S95T003678		A	Lithium -ICP-Acid Digest	ug/g	94.20	<1.000e-2	< 5.020	<4.89e0	n/a	n/a	n/a	5.020	n/a
S95T003678		A	Magnesium -ICP-Acid Digest	ug/g	91.00	<1.000e-1	< 50.20	<4.89e1	n/a	n/a	n/a	50.20	n/a
S95T003678		A	Manganese -ICP-Acid Digest	ug/g	94.00	<1.000e-2	28.40	3.280e1	3.060e1	14.4	n/a	5.020	n/a
S95T003678		A	Molybdenum -ICP-Acid Digest	ug/g	97.00	<5.000e-2	30.60	2.900e1	2.980e1	5.37	n/a	25.10	n/a
S95T003678		A	Sodium -ICP-Acid Digest	ug/g	121.6	<1.000e-1	2.12e+05	2.030e5	2.080e5	4.34	n/a	50.20	n/a
S95T003678		A	Neodymium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 50.20	<4.89e1	n/a	n/a	n/a	50.20	n/a
S95T003678		A	Nickel -ICP-Acid Digest	ug/g	96.00	<2.000e-2	1.93e+02	1.910e2	1.920e2	1.04	n/a	10.00	n/a
S95T003678		A	Phosphorus -ICP-Acid Digest	ug/g	96.60	<2.000e-1	1.85e+03	1.990e3	1.920e3	7.29	n/a	100.0	n/a
S95T003678		A	Lead -ICP-Acid Digest	ug/g	93.80	<1.000e-1	75.70	7.140e1	7.355e1	5.85	n/a	50.20	n/a
S95T003678		A	Sulfur -ICP-Acid Digest	ug/g	90.80	1.36e-01	7.89e+03	8.270e3	8.080e3	4.70	n/a	50.20	n/a
S95T003678		A	Antimony -ICP-Acid Digest	ug/g	89.40	<6.000e-2	< 30.10	<2.93e1	n/a	n/a	n/a	30.10	n/a
S95T003678		A	Selenium -ICP-Acid Digest	ug/g	95.80	<1.000e-1	< 50.20	<4.89e1	n/a	n/a	n/a	50.20	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003678		A	Silicon -ICP-Acid Digest	ug/g	228.0	7.70e-02	1.42e+02	1.740e2	1.580e2	20.3	n/a	25.10	n/a
S95T003678		A	Samarium -ICP-Acid Digest	ug/g	93.60	<1.000e-1	< 50.20	<4.89e1	n/a	n/a	n/a	50.20	n/a
S95T003678		A	Strontium -ICP-Acid Digest	ug/g	95.60	<1.000e-2	2.85e+02	3.000e2	2.925e2	5.13	n/a	5.020	n/a
S95T003678		A	Titanium-ICP-Acid Digest	ug/g	93.40	<1.000e-2	< 5.020	<4.89e0	n/a	n/a	n/a	5.020	n/a
S95T003678		A	Thallium -ICP-Acid Digest	ug/g	92.60	<2.000e-1	<1.00e+02	<9.75e1	n/a	n/a	n/a	100.0	n/a
S95T003678		A	Uranium -ICP-Acid Digest	ug/g	92.10	<5.000e-1	5.49e+02	5.490e2	5.490e2	0.00	n/a	251.0	n/a
S95T003678		A	Vanadium -ICP-Acid Digest	ug/g	94.00	<5.000e-2	< 25.10	<2.44e1	n/a	n/a	n/a	25.10	n/a
S95T003678		A	Zinc -ICP-Acid Digest	ug/g	91.00	<1.000e-2	18.90	1.860e1	1.875e1	1.60	n/a	5.020	n/a
S95T003678		A	Zirconium -ICP-Acid Digest	ug/g	94.60	<1.000e-2	6.520	7.100e0	6.810e0	8.52	n/a	5.020	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003662		Z	Aluminium -ICP-Fusion	ug/g	98.20	<5.000e-2	2.45e+04	2.600e4	2.520e4	5.94	101.3	866.0	n/a
S95T003662		Z	Bismuth -ICP-Fusion	ug/g	99.80	<1.000e-1	<1.73e+03	<1.85e3	n/a	n/a	100.8	1.730e3	n/a
S95T003662		Z	Calcium -ICP-Fusion	ug/g	100.8	<1.000e-1	<1.73e+03	<1.85e3	n/a	n/a	99.10	1.730e3	n/a
S95T003662		Z	Chromium -ICP-Fusion	ug/g	100.6	<1.000e-2	3.42e+03	3.740e3	3.580e3	8.94	102.5	173.0	n/a
S95T003662		Z	Iron -ICP-Fusion	ug/g	101.4	<5.000e-2	<8.66e+02	<9.23e2	n/a	n/a	105.7	866.0	n/a
S95T003662		Z	Lithium -ICP-Fusion	ug/g	102.0	<1.000e-2	<1.73e+02	<1.85e2	n/a	n/a	91.30	173.0	n/a
S95T003662		Z	Manganese -ICP-Fusion	ug/g	100.0	<1.000e-2	<1.73e+02	<1.85e2	n/a	n/a	100.3	173.0	n/a
S95T003662		Z	Sodium -ICP-Fusion	ug/g	100.4	1.99e-01	2.15e+05	2.370e5	2.260e5	9.73	125.2	1.730e3	n/a
S95T003662		Z	Nickel -ICP-Fusion	ug/g	99.60	<2.000e-2	<3.46e+02	<3.69e2	n/a	n/a	101.0	346.0	n/a
S95T003662		Z	Phosphorus -ICP-Fusion	ug/g	99.20	<2.000e-1	<3.46e+03	<3.69e3	n/a	n/a	101.5	3.460e3	n/a
S95T003662		Z	Silicon -ICP-Fusion	ug/g	95.20	<5.000e-2	1.74e+03	<9.23e2	n/a	n/a	99.50	866.0	n/a
S95T003662		Z	Uranium -ICP-Fusion	ug/g	97.00	<5.000e-1	<8.66e+03	<9.23e3	n/a	n/a	100.0	8.660e3	n/a
S95T003679		A	Silver -ICP-Acid Digest	ug/g	94.90	<1.000e-2	22.70	2.340e1	2.305e1	3.04	n/a	8.950	n/a
S95T003679		A	Aluminium -ICP-Acid Digest	ug/g	102.4	1.42e-01	2.58e+04	2.580e4	2.580e4	0.00	n/a	44.80	n/a
S95T003679		A	Arsenic -ICP-Acid Digest	ug/g	100.0	<1.000e-1	< 89.50	<8.75e1	n/a	n/a	n/a	89.50	n/a
S95T003679		A	Boron -ICP-Acid Digest	ug/g	110.4	3.68e-01	54.80	<4.39e1	n/a	n/a	n/a	44.80	n/a
S95T003679		A	Barium -ICP-Acid Digest	ug/g	101.4	<5.000e-2	< 44.80	<4.39e1	n/a	n/a	n/a	44.80	n/a
S95T003679		A	Beryllium -ICP-Acid Digest	ug/g	110.8	<5.000e-3	< 4.480	<4.39e0	n/a	n/a	n/a	4.480	n/a
S95T003679		A	Bismuth -ICP-Acid Digest	ug/g	96.60	<1.000e-1	< 89.50	8.930e1	n/a	n/a	n/a	89.50	n/a
S95T003679		A	Calcium -ICP-Acid Digest	ug/g	96.40	1.44e-01	2.86e+02	2.540e2	2.700e2	11.9	n/a	89.50	n/a
S95T003679		A	Cadmium -ICP-Acid Digest	ug/g	94.60	<5.000e-3	8.910	9.430e0	9.170e0	5.67	n/a	4.480	n/a
S95T003679		A	Cerium -ICP-Acid Digest	ug/g	103.2	<1.000e-1	< 89.50	<8.75e1	n/a	n/a	n/a	89.50	n/a
S95T003679		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	< 17.90	<1.75e1	n/a	n/a	n/a	17.90	n/a
S95T003679		A	Chromium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	2.54e+03	2.720e3	2.630e3	6.84	n/a	8.950	n/a
S95T003679		A	Copper -ICP-Acid Digest	ug/g	101.0	<1.000e-2	< 8.950	<8.75e0	n/a	n/a	n/a	8.950	n/a
S95T003679		A	Iron -ICP-Acid Digest	ug/g	97.80	<5.000e-2	7.06e+02	7.450e2	7.255e2	5.38	n/a	44.80	n/a
S95T003679		A	Potassium -ICP-Acid Digest	ug/g	99.00	<5.000e-1	3.56e+03	3.720e3	3.640e3	4.40	n/a	448.0	n/a
S95T003679		A	Lanthanum -ICP-Acid Digest	ug/g	102.4	<5.000e-2	< 44.80	<4.39e1	n/a	n/a	n/a	44.80	n/a
S95T003679		A	Lithium -ICP-Acid Digest	ug/g	101.8	<1.000e-2	< 8.950	<8.75e0	n/a	n/a	n/a	8.950	n/a
S95T003679		A	Magnesium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	< 89.50	<8.75e1	n/a	n/a	n/a	89.50	n/a
S95T003679		A	Manganese -ICP-Acid Digest	ug/g	94.60	<1.000e-2	30.70	3.390e1	3.230e1	9.91	n/a	8.950	n/a
S95T003679		A	Molybdenum -ICP-Acid Digest	ug/g	97.40	<5.000e-2	< 44.80	<4.39e1	n/a	n/a	n/a	44.80	n/a
S95T003679		A	Sodium -ICP-Acid Digest	ug/g	115.6	7.26e-01	2.36e+05	2.460e5	2.410e5	4.15	n/a	89.50	n/a
S95T003679		A	Neodymium -ICP-Acid Digest	ug/g	100.6	<1.000e-1	< 89.50	<8.75e1	n/a	n/a	n/a	89.50	n/a
S95T003679		A	Nickel -ICP-Acid Digest	ug/g	96.60	<2.000e-2	2.06e+02	2.130e2	2.095e2	3.34	n/a	17.90	n/a
S95T003679		A	Phosphorus -ICP-Acid Digest	ug/g	96.20	<2.000e-1	1.27e+03	1.340e3	1.300e3	5.36	n/a	179.0	n/a
S95T003679		A	Lead -ICP-Acid Digest	ug/g	93.20	<1.000e-1	< 89.50	<8.75e1	n/a	n/a	n/a	89.50	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003679		A	Sulfur -ICP-Acid Digest	ug/g	94.40	<1.000e-1	9.48e+03	9.800e3	9.640e3	3.32	n/a	89.50	n/a
S95T003679		A	Antimony -ICP-Acid Digest	ug/g	91.60	<6.000e-2	< 53.70	<5.25e1	n/a	n/a	n/a	53.70	n/a
S95T003679		A	Selenium -ICP-Acid Digest	ug/g	98.60	1.03e-01	91.40	8.970e1	9.055e1	1.88	n/a	89.50	n/a
S95T003679		A	Silicon -ICP-Acid Digest	ug/g	169.6	<5.000e-2	2.15e+02	1.480e2	1.815e2	36.9	n/a	44.80	n/a
S95T003679		A	Samarium -ICP-Acid Digest	ug/g	99.80	<1.000e-1	< 89.50	<8.75e1	n/a	n/a	n/a	89.50	n/a
S95T003679		A	Strontium -ICP-Acid Digest	ug/g	101.4	<1.000e-2	3.23e+02	3.180e2	3.205e2	1.56	n/a	8.950	n/a
S95T003679		A	Titanium-ICP-Acid Digest	ug/g	97.60	<1.000e-2	< 8.950	<8.75e0	n/a	n/a	n/a	8.950	n/a
S95T003679		A	Thallium -ICP-Acid Digest	ug/g	94.60	<2.000e-1	<1.79e+02	<1.75e2	n/a	n/a	n/a	179.0	n/a
S95T003679		A	Uranium -ICP-Acid Digest	ug/g	98.00	<5.000e-1	4.83e+02	4.960e2	4.895e2	2.66	n/a	448.0	n/a
S95T003679		A	Vanadium -ICP-Acid Digest	ug/g	96.00	<5.000e-2	< 44.80	<4.39e1	n/a	n/a	n/a	44.80	n/a
S95T003679		A	Zinc -ICP-Acid Digest	ug/g	94.60	<1.000e-2	17.90	1.710e1	1.750e1	4.57	n/a	8.950	n/a
S95T003679		A	Zirconium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	< 8.950	<8.75e0	n/a	n/a	n/a	8.950	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003663		Z	Aluminium -ICP-Fusion	ug/g	98.20	<5.000e-2	3.72e+04	3.620e4	3.670e4	2.72	98.10	944.0	n/a
S95T003663		Z	Bismuth -ICP-Fusion	ug/g	99.80	<1.000e-1	2.63e+03	2.400e3	2.520e3	9.15	98.80	1.890e3	n/a
S95T003663		Z	Calcium -ICP-Fusion	ug/g	100.8	<1.000e-1	9.20e+03	8.550e3	8.880e3	7.32	100.4	1.890e3	n/a
S95T003663		Z	Chromium -ICP-Fusion	ug/g	100.6	<1.000e-2	6.47e+03	6.190e3	6.330e3	4.42	97.70	189.0	n/a
S95T003663		Z	Iron -ICP-Fusion	ug/g	101.4	<5.000e-2	4.37e+04	4.110e4	4.240e4	6.13	100.5	944.0	n/a
S95T003663		Z	Lithium -ICP-Fusion	ug/g	102.0	<1.000e-2	<1.89e+02	<1.85e2	n/a	n/a	93.70	189.0	n/a
S95T003663		Z	Manganese -ICP-Fusion	ug/g	100.0	<1.000e-2	6.67e+02	6.260e2	6.465e2	6.34	98.70	189.0	n/a
S95T003663		Z	Sodium -ICP-Fusion	ug/g	100.4	1.99e-01	1.61e+05	1.680e5	1.640e5	4.26	109.7	1.890e3	n/a
S95T003663		Z	Nickel -ICP-Fusion	ug/g	99.60	<2.000e-2	1.20e+04	1.140e4	1.170e4	5.13	98.60	378.0	n/a
S95T003663		Z	Phosphorus -ICP-Fusion	ug/g	99.20	<2.000e-1	8.33e+03	8.030e3	8.180e3	3.67	94.20	3.780e3	n/a
S95T003663		Z	Silicon -ICP-Fusion	ug/g	95.20	<5.000e-2	3.27e+03	3.230e3	3.250e3	1.23	101.3	944.0	n/a
S95T003663		Z	Uranium -ICP-Fusion	ug/g	97.00	<5.000e-1	2.56e+04	2.650e4	2.600e4	3.45	92.00	9.440e3	n/a
S95T003680		A	Silver -ICP-Acid Digest	ug/g	94.90	<1.000e-2	12.10	1.180e1	1.195e1	2.51	n/a	5.130	n/a
S95T003680		A	Aluminium -ICP-Acid Digest	ug/g	102.4	1.42e-01	3.29e+04	3.270e4	3.280e4	0.61	n/a	25.70	n/a
S95T003680		A	Arsenic -ICP-Acid Digest	ug/g	100.0	<1.000e-1	< 51.30	<5.14e1	n/a	n/a	n/a	51.30	n/a
S95T003680		A	Boron -ICP-Acid Digest	ug/g	110.4	3.68e-01	29.40	2.660e1	2.800e1	10.00	n/a	25.70	n/a
S95T003680		A	Barium -ICP-Acid Digest	ug/g	101.4	<5.000e-2	3.26e+02	3.180e2	3.220e2	2.48	n/a	25.70	n/a
S95T003680		A	Beryllium -ICP-Acid Digest	ug/g	110.8	<5.000e-3	< 2.570	<2.57e0	n/a	n/a	n/a	2.560	n/a
S95T003680		A	Bismuth -ICP-Acid Digest	ug/g	96.60	<1.000e-1	1.90e+03	1.850e3	1.880e3	2.67	n/a	51.30	n/a
S95T003680		A	Calcium -ICP-Acid Digest	ug/g	96.40	1.44e-01	7.66e+03	7.660e3	7.660e3	0.00	n/a	51.30	n/a
S95T003680		A	Cadmium -ICP-Acid Digest	ug/g	94.60	<5.000e-3	15.20	1.510e1	1.515e1	0.66	n/a	2.560	n/a
S95T003680		A	Cerium -ICP-Acid Digest	ug/g	103.2	<1.000e-1	< 51.30	<5.14e1	n/a	n/a	n/a	51.30	n/a
S95T003680		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	25.10	2.390e1	2.450e1	4.90	n/a	10.30	n/a
S95T003680		A	Chromium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	5.16e+03	5.060e3	5.110e3	1.96	n/a	5.130	n/a
S95T003680		A	Copper -ICP-Acid Digest	ug/g	101.0	<1.000e-2	17.60	1.080e1	1.420e1	47.9	n/a	5.130	n/a
S95T003680		A	Iron -ICP-Acid Digest	ug/g	97.80	<5.000e-2	3.28e+04	3.200e4	3.240e4	2.47	n/a	25.70	n/a
S95T003680		A	Potassium -ICP-Acid Digest	ug/g	99.00	<5.000e-1	3.18e+03	3.230e3	3.200e3	1.56	n/a	257.0	n/a
S95T003680		A	Lanthanum -ICP-Acid Digest	ug/g	102.4	<5.000e-2	82.30	8.100e1	8.165e1	1.59	n/a	25.70	n/a
S95T003680		A	Lithium -ICP-Acid Digest	ug/g	101.8	<1.000e-2	< 5.130	<5.14e0	n/a	n/a	n/a	5.130	n/a
S95T003680		A	Magnesium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	9.69e+02	9.530e2	9.610e2	1.66	n/a	51.30	n/a
S95T003680		A	Manganese -ICP-Acid Digest	ug/g	94.60	<1.000e-2	5.06e+02	4.990e2	5.025e2	1.39	n/a	5.130	n/a
S95T003680		A	Molybdenum -ICP-Acid Digest	ug/g	97.40	<5.000e-2	< 25.70	<2.57e1	n/a	n/a	n/a	25.70	n/a
S95T003680		A	Sodium -ICP-Acid Digest	ug/g	115.6	7.26e-01	1.52e+05	1.490e5	1.500e5	1.99	n/a	51.30	n/a
S95T003680		A	Neodymium -ICP-Acid Digest	ug/g	100.6	<1.000e-1	1.57e+02	1.570e2	1.570e2	0.00	n/a	51.30	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003680		A	Nickel -ICP-Acid Digest	ug/g	96.60	<2.000e-2	9.54e+03	9.480e3	9.510e3	0.63	n/a	10.30	n/a
S95T003680		A	Phosphorus -ICP-Acid Digest	ug/g	96.20	<2.000e-1	9.22e+03	8.140e3	8.680e3	12.4	n/a	103.0	n/a
S95T003680		A	Lead -ICP-Acid Digest	ug/g	93.20	<1.000e-1	1.09e+03	1.070e3	1.080e3	1.85	n/a	51.30	n/a
S95T003680		A	Sulfur -ICP-Acid Digest	ug/g	94.40	<1.000e-1	6.10e+03	6.380e3	6.240e3	4.49	n/a	51.30	n/a
S95T003680		A	Antimony -ICP-Acid Digest	ug/g	91.60	<6.000e-2	< 30.80	<3.09e1	n/a	n/a	n/a	30.80	n/a
S95T003680		A	Selenium -ICP-Acid Digest	ug/g	98.60	1.03e-01	52.60	<5.14e1	n/a	n/a	n/a	51.30	n/a
S95T003680		A	Silicon -ICP-Acid Digest	ug/g	169.6	<5.000e-2	1.81e+03	2.120e3	1.960e3	15.8	n/a	25.70	n/a
S95T003680		A	Samarium -ICP-Acid Digest	ug/g	99.80	<1.000e-1	< 51.30	<5.14e1	n/a	n/a	n/a	51.30	n/a
S95T003680		A	Strontium -ICP-Acid Digest	ug/g	101.4	<1.000e-2	1.45e+04	1.410e4	1.430e4	2.80	n/a	5.130	n/a
S95T003680		A	Titanium-ICP-Acid Digest	ug/g	97.60	<1.000e-2	52.20	5.180e1	5.200e1	0.77	n/a	5.130	n/a
S95T003680		A	Thallium -ICP-Acid Digest	ug/g	94.60	<2.000e-1	<1.03e+02	<1.03e2	n/a	n/a	n/a	103.0	n/a
S95T003680		A	Uranium -ICP-Acid Digest	ug/g	98.00	<5.000e-1	2.11e+04	2.090e4	2.100e4	0.95	n/a	257.0	n/a
S95T003680		A	Vanadium -ICP-Acid Digest	ug/g	96.00	<5.000e-2	< 25.70	<2.57e1	n/a	n/a	n/a	25.70	n/a
S95T003680		A	Zinc -ICP-Acid Digest	ug/g	94.60	<1.000e-2	2.38e+02	2.360e2	2.370e2	0.84	n/a	5.130	n/a
S95T003680		A	Zirconium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	39.40	3.230e1	3.585e1	19.8	n/a	5.130	n/a
S95T003697		W	Silver -ICP-H20 Dig/Acid	ug/g	98.80	<1.000e-2	< 8.930	<8.93e0	n/a	n/a	99.00	8.930	n/a
S95T003697		W	Aluminium -ICP-H20 Dig/Acid	ug/g	100.2	<5.000e-2	2.44e+04	3.110e4	2.780e4	24.1	92.70	44.60	n/a
S95T003697		W	Arsenic -ICP-H20 Dig/Acid	ug/g	103.2	<1.000e-1	< 89.30	<8.93e1	n/a	n/a	105.0	89.30	n/a
S95T003697		W	Boron -ICP-H20 Dig/Acid	ug/g	102.6	<5.000e-2	< 44.60	<4.47e1	n/a	n/a	103.6	44.60	n/a
S95T003697		W	Barium -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-2	< 44.60	<4.47e1	n/a	n/a	104.6	44.60	n/a
S95T003697		W	Beryllium -ICP-H20 Dig/Acid	ug/g	105.6	<5.000e-3	< 4.460	<4.47e0	n/a	n/a	106.4	4.460	n/a
S95T003697		W	Bismuth -ICP-H20 Dig/Acid	ug/g	100.8	<1.000e-1	< 89.30	<8.93e1	n/a	n/a	103.2	89.30	n/a
S95T003697		W	Calcium -ICP-H20 Dig/Acid	ug/g	101.6	<1.000e-1	< 89.30	<8.93e1	n/a	n/a	103.8	89.30	n/a
S95T003697		W	Cadmium -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-3	< 4.460	<4.47e0	n/a	n/a	103.2	4.460	n/a
S95T003697		W	Cerium -ICP-H20 Dig/Acid	ug/g	104.6	<1.000e-1	< 89.30	<8.93e1	n/a	n/a	104.0	89.30	n/a
S95T003697		W	Cobalt -ICP-H20 Dig/Acid	ug/g	103.0	<2.000e-2	< 17.90	<1.79e1	n/a	n/a	103.4	17.90	n/a
S95T003697		W	Chromium -ICP-H20 Dig/Acid	ug/g	102.2	<1.000e-2	4.87e+02	6.110e2	5.490e2	22.6	103.4	8.930	n/a
S95T003697		W	Copper -ICP-H20 Dig/Acid	ug/g	102.8	<1.000e-2	< 8.930	<8.93e0	n/a	n/a	105.6	8.930	n/a
S95T003697		W	Iron -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-2	< 44.60	<4.47e1	n/a	n/a	105.2	44.60	n/a
S95T003697		W	Potassium -ICP-H20 Dig/Acid	ug/g	99.60	<5.000e-1	2.78e+03	3.480e3	3.130e3	22.4	94.50	446.0	n/a
S95T003697		W	Lanthanum -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-2	< 44.60	<4.47e1	n/a	n/a	105.4	44.60	n/a
S95T003697		W	Lithium -ICP-H20 Dig/Acid	ug/g	103.0	<1.000e-2	< 8.930	<8.93e0	n/a	n/a	100.8	8.930	n/a
S95T003697		W	Magnesium -ICP-H20 Dig/Acid	ug/g	99.80	<1.000e-1	< 89.30	<8.93e1	n/a	n/a	100.6	89.30	n/a
S95T003697		W	Manganese -ICP-H20 Dig/Acid	ug/g	100.6	<1.000e-2	< 8.930	<8.93e0	n/a	n/a	102.6	8.930	n/a
S95T003697		W	Molybdenum -ICP-H20 Dig/Acid	ug/g	102.4	<5.000e-2	< 44.60	<4.47e1	n/a	n/a	106.0	44.60	n/a
S95T003697		W	Sodium -ICP-H20 Dig/Acid	ug/g	102.0	<1.000e-1	1.81e+05	1.570e5	1.690e5	14.2	299.4	89.30	n/a
S95T003697		W	Neodymium -ICP-H20 Dig/Acid	ug/g	104.0	<1.000e-1	< 89.30	<8.93e1	n/a	n/a	107.2	89.30	n/a
S95T003697		W	Nickel -ICP-H20 Dig/Acid	ug/g	101.6	<2.000e-2	< 17.90	<1.79e1	n/a	n/a	104.0	17.90	n/a
S95T003697		W	Phosphorus -ICP-H20 Dig/Acid	ug/g	105.8	<2.000e-1	1.44e+03	2.070e3	1.760e3	35.9	98.20	179.0	n/a
S95T003697		W	Lead -ICP-H20 Dig/Acid	ug/g	101.0	<1.000e-1	< 89.30	<8.93e1	n/a	n/a	102.6	89.30	n/a
S95T003697		W	Sulfur -ICP-H20 Dig/Acid	ug/g	102.0	<1.000e-1	6.30e+03	6.820e3	6.560e3	7.93	86.00	89.30	n/a
S95T003697		W	Antimony -ICP-H20 Dig/Acid	ug/g	94.80	<6.000e-2	< 53.60	<5.36e1	n/a	n/a	98.20	53.60	n/a
S95T003697		W	Selenium -ICP-H20 Dig/Acid	ug/g	100.4	<1.000e-1	< 89.30	<8.93e1	n/a	n/a	101.8	89.30	n/a
S95T003697		W	Silicon -ICP-H20 Dig/Acid	ug/g	95.00	<5.000e-2	1.12e+02	1.580e2	1.350e2	34.1	104.1	44.60	n/a
S95T003697		W	Samarium -ICP-H20 Dig/Acid	ug/g	103.2	<1.000e-1	< 89.30	<8.93e1	n/a	n/a	103.8	89.30	n/a
S95T003697		W	Strontium -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-2	< 8.930	<8.93e0	n/a	n/a	104.6	8.930	n/a
S95T003697		W	Titanium-ICP-H20 Dig/Acid	ug/g	99.40	<1.000e-2	< 8.930	<8.93e0	n/a	n/a	101.6	8.930	n/a
S95T003697		W	Thallium -ICP-H20 Dig/Acid	ug/g	97.40	<2.000e-1	<1.79e+02	<1.79e2	n/a	n/a	97.80	179.0	n/a
S95T003697		W	Uranium -ICP-H20 Dig/Acid	ug/g	97.20	<5.000e-1	<4.46e+02	<4.47e2	n/a	n/a	108.0	446.0	n/a
S95T003697		W	Vanadium -ICP-H20 Dig/Acid	ug/g	102.8	<5.000e-2	< 44.60	<4.47e1	n/a	n/a	105.0	44.60	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003697		W	Zinc -ICP-H2O Dig/Acid	ug/g	102.6	<1.000e-2	< 8.930	<8.93e0	n/a	n/a	105.6	8.930	n/a
S95T003697		W	Zirconium -ICP-H2O Dig/Acid	ug/g	100.6	<1.000e-2	< 8.930	<8.93e0	n/a	n/a	102.0	8.930	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 8

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003664		Z	Aluminium -ICP-Fusion	ug/g	98.20	<5.000e-2	3.92e+04	3.260e4	3.590e4	18.4	98.20	2.120e3	n/a
S95T003664		Z	Bismuth -ICP-Fusion	ug/g	99.80	<1.000e-1	<4.24e+03	<4.42e3	n/a	n/a	106.9	4.240e3	n/a
S95T003664		Z	Calcium -ICP-Fusion	ug/g	100.8	<1.000e-1	1.47e+04	1.440e4	1.460e4	2.06	99.40	4.240e3	n/a
S95T003664		Z	Chromium -ICP-Fusion	ug/g	100.6	<1.000e-2	1.18e+03	9.940e2	1.090e3	17.1	101.1	424.0	n/a
S95T003664		Z	Iron -ICP-Fusion	ug/g	101.4	<5.000e-2	5.45e+04	4.350e4	4.900e4	22.4	102.7	2.120e3	n/a
S95T003664		Z	Lithium -ICP-Fusion	ug/g	102.0	<1.000e-2	<4.24e+02	<4.42e2	n/a	n/a	92.20	424.0	n/a
S95T003664		Z	Manganese -ICP-Fusion	ug/g	100.0	<1.000e-2	7.69e+02	6.430e2	7.060e2	17.8	99.90	424.0	n/a
S95T003664		Z	Sodium -ICP-Fusion	ug/g	100.4	1.99e-01	1.49e+05	1.750e5	1.620e5	16.0	90.50	4.240e3	n/a
S95T003664		Z	Nickel -ICP-Fusion	ug/g	99.60	<2.000e-2	1.45e+04	1.250e4	1.350e4	14.8	99.80	847.0	n/a
S95T003664		Z	Phosphorus -ICP-Fusion	ug/g	99.20	<2.000e-1	1.19e+04	<8.85e3	n/a	n/a	98.80	8.470e3	n/a
S95T003664		Z	Silicon -ICP-Fusion	ug/g	95.20	<5.000e-2	3.78e+03	3.440e3	3.610e3	9.42	99.90	2.120e3	n/a
S95T003664		Z	Uranium -ICP-Fusion	ug/g	97.00	<5.000e-1	4.53e+04	4.280e4	4.400e4	5.68	91.65	2.120e4	n/a
S95T003681		A	Silver -ICP-Acid Digest	ug/g	94.90	<1.000e-2	13.20	1.100e1	1.210e1	18.2	n/a	4.450	n/a
S95T003681		A	Aluminium -ICP-Acid Digest	ug/g	102.4	1.42e-01	3.42e+04	3.340e4	3.380e4	2.37	n/a	22.20	n/a
S95T003681		A	Arsenic -ICP-Acid Digest	ug/g	100.0	<1.000e-1	< 44.50	<4.60e1	n/a	n/a	n/a	44.50	n/a
S95T003681		A	Boron -ICP-Acid Digest	ug/g	110.4	3.68e-01	34.40	<2.30e1	n/a	n/a	n/a	22.20	n/a
S95T003681		A	Barium -ICP-Acid Digest	ug/g	101.4	<5.000e-2	5.35e+02	5.080e2	5.215e2	5.18	n/a	22.20	n/a
S95T003681		A	Beryllium -ICP-Acid Digest	ug/g	110.8	<5.000e-3	< 2.220	<2.30e0	n/a	n/a	n/a	2.230	n/a
S95T003681		A	Bismuth -ICP-Acid Digest	ug/g	96.60	<1.000e-1	2.67e+03	2.510e3	2.590e3	6.18	n/a	44.50	n/a
S95T003681		A	Calcium -ICP-Acid Digest	ug/g	96.40	1.44e-01	1.20e+04	1.150e4	1.180e4	4.26	n/a	44.50	n/a
S95T003681		A	Cadmium -ICP-Acid Digest	ug/g	94.60	<5.000e-3	7.260	5.880e0	6.570e0	21.0	n/a	2.230	n/a
S95T003681		A	Cerium -ICP-Acid Digest	ug/g	103.2	<1.000e-1	< 44.50	<4.60e1	n/a	n/a	n/a	44.50	n/a
S95T003681		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	34.80	3.440e1	3.460e1	1.16	n/a	8.900	n/a
S95T003681		A	Chromium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	1.07e+03	1.090e3	1.080e3	1.85	n/a	4.450	n/a
S95T003681		A	Copper -ICP-Acid Digest	ug/g	101.0	<1.000e-2	12.90	1.500e1	1.395e1	15.1	n/a	4.450	n/a
S95T003681		A	Iron -ICP-Acid Digest	ug/g	97.80	<5.000e-2	4.39e+04	4.140e4	4.260e4	5.86	n/a	22.20	n/a
S95T003681		A	Potassium -ICP-Acid Digest	ug/g	99.00	<5.000e-1	2.66e+03	2.620e3	2.640e3	1.52	n/a	222.0	n/a
S95T003681		A	Lanthanum -ICP-Acid Digest	ug/g	102.4	<5.000e-2	1.06e+02	1.030e2	1.045e2	2.87	n/a	22.20	n/a
S95T003681		A	Lithium -ICP-Acid Digest	ug/g	101.8	<1.000e-2	< 4.450	<4.60e0	n/a	n/a	n/a	4.450	n/a
S95T003681		A	Magnesium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	1.34e+03	1.260e3	1.300e3	6.15	n/a	44.50	n/a
S95T003681		A	Manganese -ICP-Acid Digest	ug/g	94.60	<1.000e-2	5.97e+02	5.750e2	5.860e2	3.75	n/a	4.450	n/a
S95T003681		A	Molybdenum -ICP-Acid Digest	ug/g	97.40	<5.000e-2	< 22.20	<2.30e1	n/a	n/a	n/a	22.20	n/a
S95T003681		A	Sodium -ICP-Acid Digest	ug/g	115.6	7.26e-01	1.34e+05	1.270e5	1.300e5	5.36	n/a	44.50	n/a
S95T003681		A	Neodymium -ICP-Acid Digest	ug/g	100.6	<1.000e-1	2.01e+02	1.960e2	1.985e2	2.52	n/a	44.50	n/a
S95T003681		A	Nickel -ICP-Acid Digest	ug/g	96.60	<2.000e-2	1.14e+04	1.100e4	1.120e4	3.57	n/a	8.900	n/a
S95T003681		A	Phosphorus -ICP-Acid Digest	ug/g	96.20	<2.000e-1	1.27e+04	1.250e4	1.260e4	1.59	n/a	89.00	n/a
S95T003681		A	Lead -ICP-Acid Digest	ug/g	93.20	<1.000e-1	1.13e+03	1.080e3	1.100e3	4.52	n/a	44.50	n/a
S95T003681		A	Sulfur -ICP-Acid Digest	ug/g	94.40	<1.000e-1	3.99e+03	3.320e3	3.660e3	18.3	n/a	44.50	n/a
S95T003681		A	Antimony -ICP-Acid Digest	ug/g	91.60	<6.000e-2	< 26.70	<2.76e1	n/a	n/a	n/a	26.70	n/a
S95T003681		A	Selenium -ICP-Acid Digest	ug/g	98.60	1.03e-01	< 44.50	<4.60e1	n/a	n/a	n/a	44.50	n/a
S95T003681		A	Silicon -ICP-Acid Digest	ug/g	169.6	<5.000e-2	2.32e+03	1.970e3	2.140e3	16.3	n/a	22.20	n/a
S95T003681		A	Samarium -ICP-Acid Digest	ug/g	99.80	<1.000e-1	< 44.50	<4.60e1	n/a	n/a	n/a	44.50	n/a
S95T003681		A	Strontium -ICP-Acid Digest	ug/g	101.4	<1.000e-2	2.68e+04	2.630e4	2.660e4	1.88	n/a	4.450	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003681		A	Titanium-ICP-Acid Digest	ug/g	97.60	<1.000e-2	84.50	7.810e1	8.130e1	7.87	n/a	4.450	n/a
S95T003681		A	Thallium -ICP-Acid Digest	ug/g	94.60	<2.000e-1	< 89.00	<9.20e1	n/a	n/a	n/a	89.00	n/a
S95T003681		A	Uranium -ICP-Acid Digest	ug/g	98.00	<5.000e-1	3.56e+04	3.400e4	3.480e4	4.60	n/a	222.0	n/a
S95T003681		A	Vanadium -ICP-Acid Digest	ug/g	96.00	<5.000e-2	< 22.20	<2.30e1	n/a	n/a	n/a	22.20	n/a
S95T003681		A	Zinc -ICP-Acid Digest	ug/g	94.60	<1.000e-2	2.09e+02	2.000e2	2.045e2	4.40	n/a	4.450	n/a
S95T003681		A	Zirconium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	52.00	4.720e1	4.960e1	9.68	n/a	4.450	n/a
S95T003698		W	Silver -ICP-H20 Dig/Acid	ug/g	98.80	<1.000e-2	< 19.60	<2.04e1	n/a	n/a	99.80	19.60	n/a
S95T003698		W	Aluminium -ICP-H20 Dig/Acid	ug/g	100.2	<5.000e-2	1.89e+04	2.980e4	2.440e4	44.8	111.5	98.00	n/a
S95T003698		W	Arsenic -ICP-H20 Dig/Acid	ug/g	103.2	<1.000e-1	<1.96e+02	<2.04e2	n/a	n/a	105.8	196.0	n/a
S95T003698		W	Boron -ICP-H20 Dig/Acid	ug/g	102.6	<5.000e-2	< 98.00	<1.02e2	n/a	n/a	104.6	98.00	n/a
S95T003698		W	Barium -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-2	< 98.00	<1.02e2	n/a	n/a	105.2	98.00	n/a
S95T003698		W	Beryllium -ICP-H20 Dig/Acid	ug/g	105.6	<5.000e-3	< 9.800	<1.02e1	n/a	n/a	108.2	9.800	n/a
S95T003698		W	Bismuth -ICP-H20 Dig/Acid	ug/g	100.8	<1.000e-1	<1.96e+02	<2.04e2	n/a	n/a	101.8	196.0	n/a
S95T003698		W	Calcium -ICP-H20 Dig/Acid	ug/g	101.6	<1.000e-1	<1.96e+02	<2.04e2	n/a	n/a	104.2	196.0	n/a
S95T003698		W	Cadmium -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-3	< 9.800	<1.02e1	n/a	n/a	104.0	9.800	n/a
S95T003698		W	Cerium -ICP-H20 Dig/Acid	ug/g	104.6	<1.000e-1	<1.96e+02	<2.04e2	n/a	n/a	105.6	196.0	n/a
S95T003698		W	Cobalt -ICP-H20 Dig/Acid	ug/g	103.0	<2.000e-2	< 39.20	<4.07e1	n/a	n/a	104.8	39.20	n/a
S95T003698		W	Chromium -ICP-H20 Dig/Acid	ug/g	102.2	<1.000e-2	41.00	3.190e1	3.645e1	25.0	103.9	19.60	n/a
S95T003698		W	Copper -ICP-H20 Dig/Acid	ug/g	102.8	<1.000e-2	< 19.60	<2.04e1	n/a	n/a	106.8	19.60	n/a
S95T003698		W	Iron -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-2	< 98.00	<1.02e2	n/a	n/a	107.2	98.00	n/a
S95T003698		W	Potassium -ICP-H20 Dig/Acid	ug/g	99.60	<5.000e-1	3.01e+03	2.960e3	2.980e3	1.68	94.40	980.0	n/a
S95T003698		W	Lanthanum -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-2	< 98.00	<1.02e2	n/a	n/a	105.2	98.00	n/a
S95T003698		W	Lithium -ICP-H20 Dig/Acid	ug/g	103.0	<1.000e-2	< 19.60	<2.04e1	n/a	n/a	103.8	19.60	n/a
S95T003698		W	Magnesium -ICP-H20 Dig/Acid	ug/g	99.80	<1.000e-1	<1.96e+02	<2.04e2	n/a	n/a	101.2	196.0	n/a
S95T003698		W	Manganese -ICP-H20 Dig/Acid	ug/g	100.6	<1.000e-2	< 19.60	<2.04e1	n/a	n/a	103.2	19.60	n/a
S95T003698		W	Molybdenum -ICP-H20 Dig/Acid	ug/g	102.4	<5.000e-2	< 98.00	<1.02e2	n/a	n/a	105.2	98.00	n/a
S95T003698		W	Sodium -ICP-H20 Dig/Acid	ug/g	102.0	<1.000e-1	1.35e+05	1.400e5	1.380e5	3.64	337.4	196.0	n/a
S95T003698		W	Neodymium -ICP-H20 Dig/Acid	ug/g	104.0	<1.000e-1	<1.96e+02	<2.04e2	n/a	n/a	108.2	196.0	n/a
S95T003698		W	Nickel -ICP-H20 Dig/Acid	ug/g	101.6	<2.000e-2	< 39.20	<4.07e1	n/a	n/a	104.6	39.20	n/a
S95T003698		W	Phosphorus -ICP-H20 Dig/Acid	ug/g	105.8	<2.000e-1	<3.92e+02	1.670e3	n/a	n/a	127.4	392.0	n/a
S95T003698		W	Lead -ICP-H20 Dig/Acid	ug/g	101.0	<1.000e-1	<1.96e+02	<2.04e2	n/a	n/a	101.6	196.0	n/a
S95T003698		W	Sulfur -ICP-H20 Dig/Acid	ug/g	102.0	<1.000e-1	3.91e+03	5.070e3	4.490e3	25.8	102.4	196.0	n/a
S95T003698		W	Antimony -ICP-H20 Dig/Acid	ug/g	94.80	<6.000e-2	<1.18e+02	<1.22e2	n/a	n/a	97.20	118.0	n/a
S95T003698		W	Selenium -ICP-H20 Dig/Acid	ug/g	100.4	<1.000e-1	<1.96e+02	<2.04e2	n/a	n/a	101.0	196.0	n/a
S95T003698		W	Silicon -ICP-H20 Dig/Acid	ug/g	95.00	<5.000e-2	< 98.00	<1.02e2	n/a	n/a	103.4	98.00	n/a
S95T003698		W	Samarium -ICP-H20 Dig/Acid	ug/g	103.2	<1.000e-1	<1.96e+02	<2.04e2	n/a	n/a	106.0	196.0	n/a
S95T003698		W	Strontium -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-2	< 19.60	<2.04e1	n/a	n/a	105.0	19.60	n/a
S95T003698		W	Titanium-ICP-H20 Dig/Acid	ug/g	99.40	<1.000e-2	< 19.60	<2.04e1	n/a	n/a	101.8	19.60	n/a
S95T003698		W	Thallium -ICP-H20 Dig/Acid	ug/g	97.40	<2.000e-1	<3.92e+02	<4.07e2	n/a	n/a	96.60	392.0	n/a
S95T003698		W	Uranium -ICP-H20 Dig/Acid	ug/g	97.20	<5.000e-1	<9.80e+02	<1.02e3	n/a	n/a	106.0	980.0	n/a
S95T003698		W	Vanadium -ICP-H20 Dig/Acid	ug/g	102.8	<5.000e-2	< 98.00	<1.02e2	n/a	n/a	105.2	98.00	n/a
S95T003698		W	Zinc -ICP-H20 Dig/Acid	ug/g	102.6	<1.000e-2	< 19.60	<2.04e1	n/a	n/a	105.6	19.60	n/a
S95T003698		W	Zirconium -ICP-H20 Dig/Acid	ug/g	100.6	<1.000e-2	< 19.60	<2.04e1	n/a	n/a	103.2	19.60	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003665		Z	Aluminium -ICP-Fusion	ug/g	98.20	<5.000e-2	1.15e+05	1.010e5	1.080e5	13.0	103.6	1.010e3	n/a
S95T003665		Z	Bismuth -ICP-Fusion	ug/g	99.80	<1.000e-1	<2.02e+03	<1.83e3	n/a	n/a	106.4	2.020e3	n/a
S95T003665		Z	Calcium -ICP-Fusion	ug/g	100.8	<1.000e-1	4.31e+03	4.550e3	4.430e3	5.42	101.4	2.020e3	n/a
S95T003665		Z	Chromium -ICP-Fusion	ug/g	100.6	<1.000e-2	9.66e+02	1.310e3	1.140e3	30.2	100.1	202.0	n/a
S95T003665		Z	Iron -ICP-Fusion	ug/g	101.4	<5.000e-2	1.53e+04	1.240e4	1.380e4	20.9	104.4	1.010e3	n/a
S95T003665		Z	Lithium -ICP-Fusion	ug/g	102.0	<1.000e-2	<2.02e+02	<1.83e2	n/a	n/a	93.00	202.0	n/a
S95T003665		Z	Manganese -ICP-Fusion	ug/g	100.0	<1.000e-2	2.35e+02	1.950e2	2.150e2	18.6	100.1	202.0	n/a
S95T003665		Z	Sodium -ICP-Fusion	ug/g	100.4	1.99e-01	1.31e+05	1.410e5	1.360e5	7.35	103.3	2.020e3	n/a
S95T003665		Z	Nickel -ICP-Fusion	ug/g	99.60	<2.000e-2	5.73e+03	5.560e3	5.640e3	3.01	100.0	404.0	n/a
S95T003665		Z	Phosphorus -ICP-Fusion	ug/g	99.20	<2.000e-1	4.11e+03	4.660e3	4.380e3	12.5	94.60	4.040e3	n/a
S95T003665		Z	Silicon -ICP-Fusion	ug/g	95.20	<5.000e-2	2.60e+03	2.780e3	2.690e3	6.69	99.10	1.010e3	n/a
S95T003665		Z	Uranium -ICP-Fusion	ug/g	97.00	<5.000e-1	2.23e+04	1.400e4	1.820e4	45.7	94.85	1.010e4	n/a
S95T003682		A	Silver -ICP-Acid Digest	ug/g	94.90	<1.000e-2	13.90	1.320e1	1.355e1	5.17	n/a	3.200	n/a
S95T003682		A	Aluminium -ICP-Acid Digest	ug/g	102.4	1.42e-01	4.38e+04	4.110e4	4.240e4	6.36	n/a	16.00	n/a
S95T003682		A	Arsenic -ICP-Acid Digest	ug/g	100.0	<1.000e-1	< 32.00	<2.98e1	n/a	n/a	n/a	32.00	n/a
S95T003682		A	Boron -ICP-Acid Digest	ug/g	110.4	3.68e-01	< 16.00	<1.49e1	n/a	n/a	n/a	16.00	n/a
S95T003682		A	Barium -ICP-Acid Digest	ug/g	101.4	<5.000e-2	1.80e+02	1.680e2	1.740e2	6.90	n/a	16.00	n/a
S95T003682		A	Beryllium -ICP-Acid Digest	ug/g	110.8	<5.000e-3	< 1.600	<1.49e0	n/a	n/a	n/a	1.600	n/a
S95T003682		A	Bismuth -ICP-Acid Digest	ug/g	96.60	<1.000e-1	1.01e+03	9.520e2	9.810e2	5.91	n/a	32.00	n/a
S95T003682		A	Calcium -ICP-Acid Digest	ug/g	96.40	1.44e-01	3.92e+03	3.690e3	3.800e3	6.04	n/a	32.00	n/a
S95T003682		A	Cadmium -ICP-Acid Digest	ug/g	94.60	<5.000e-3	2.920	2.680e0	2.800e0	8.57	n/a	1.600	n/a
S95T003682		A	Cerium -ICP-Acid Digest	ug/g	103.2	<1.000e-1	< 32.00	<2.98e1	n/a	n/a	n/a	32.00	n/a
S95T003682		A	Cobalt -ICP-Acid Digest	ug/g	96.20	<2.000e-2	10.40	9.750e0	1.007e1	6.45	n/a	6.400	n/a
S95T003682		A	Chromium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	6.47e+02	6.100e2	6.285e2	5.89	n/a	3.200	n/a
S95T003682		A	Copper -ICP-Acid Digest	ug/g	101.0	<1.000e-2	33.70	3.150e1	3.260e1	6.75	n/a	3.200	n/a
S95T003682		A	Iron -ICP-Acid Digest	ug/g	97.80	<5.000e-2	1.27e+04	1.190e4	1.230e4	6.50	n/a	16.00	n/a
S95T003682		A	Potassium -ICP-Acid Digest	ug/g	99.00	<5.000e-1	2.84e+03	2.580e3	2.710e3	9.59	n/a	160.0	n/a
S95T003682		A	Lanthanum -ICP-Acid Digest	ug/g	102.4	<5.000e-2	41.20	3.830e1	3.975e1	7.30	n/a	16.00	n/a
S95T003682		A	Lithium -ICP-Acid Digest	ug/g	101.8	<1.000e-2	< 3.200	<2.98e0	n/a	n/a	n/a	3.200	n/a
S95T003682		A	Magnesium -ICP-Acid Digest	ug/g	96.20	<1.000e-1	3.89e+02	3.660e2	3.775e2	6.09	n/a	32.00	n/a
S95T003682		A	Manganese -ICP-Acid Digest	ug/g	94.60	<1.000e-2	1.70e+02	1.510e2	1.605e2	11.8	n/a	3.200	n/a
S95T003682		A	Molybdenum -ICP-Acid Digest	ug/g	97.40	<5.000e-2	18.60	1.800e1	1.830e1	3.28	n/a	16.00	n/a
S95T003682		A	Sodium -ICP-Acid Digest	ug/g	115.6	7.26e-01	1.29e+05	1.200e5	1.240e5	7.23	n/a	32.00	n/a
S95T003682		A	Neodymium -ICP-Acid Digest	ug/g	100.6	<1.000e-1	71.80	6.660e1	6.920e1	7.51	n/a	32.00	n/a
S95T003682		A	Nickel -ICP-Acid Digest	ug/g	96.60	<2.000e-2	5.00e+03	4.680e3	4.840e3	6.61	n/a	6.400	n/a
S95T003682		A	Phosphorus -ICP-Acid Digest	ug/g	96.20	<2.000e-1	6.06e+03	5.800e3	5.930e3	4.38	n/a	64.00	n/a
S95T003682		A	Lead -ICP-Acid Digest	ug/g	93.20	<1.000e-1	5.03e+02	4.770e2	4.900e2	5.31	n/a	32.00	n/a
S95T003682		A	Sulfur -ICP-Acid Digest	ug/g	94.40	<1.000e-1	4.04e+02	3.860e2	3.950e2	4.56	n/a	32.00	n/a
S95T003682		A	Antimony -ICP-Acid Digest	ug/g	91.60	<6.000e-2	< 19.20	<1.79e1	n/a	n/a	n/a	19.20	n/a
S95T003682		A	Selenium -ICP-Acid Digest	ug/g	98.60	1.03e-01	< 32.00	<2.98e1	n/a	n/a	n/a	32.00	n/a
S95T003682		A	Silicon -ICP-Acid Digest	ug/g	169.6	<5.000e-2	1.31e+03	1.220e3	1.260e3	7.11	n/a	16.00	n/a
S95T003682		A	Samarium -ICP-Acid Digest	ug/g	99.80	<1.000e-1	< 32.00	<2.98e1	n/a	n/a	n/a	32.00	n/a
S95T003682		A	Strontium -ICP-Acid Digest	ug/g	101.4	<1.000e-2	9.87e+03	9.230e3	9.550e3	6.70	n/a	3.200	n/a
S95T003682		A	Titanium-ICP-Acid Digest	ug/g	97.60	<1.000e-2	24.50	2.320e1	2.385e1	5.45	n/a	3.200	n/a
S95T003682		A	Thallium -ICP-Acid Digest	ug/g	94.60	<2.000e-1	< 64.00	<5.97e1	n/a	n/a	n/a	64.00	n/a
S95T003682		A	Uranium -ICP-Acid Digest	ug/g	98.00	<5.000e-1	1.42e+04	1.320e4	1.370e4	7.30	n/a	160.0	n/a
S95T003682		A	Vanadium -ICP-Acid Digest	ug/g	96.00	<5.000e-2	< 16.00	<1.49e1	n/a	n/a	n/a	16.00	n/a
S95T003682		A	Zinc -ICP-Acid Digest	ug/g	94.60	<1.000e-2	1.33e+02	1.250e2	1.290e2	6.20	n/a	3.200	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003682		A	Zirconium -ICP-Acid Digest	ug/g	97.00	<1.000e-2	22.30	2.060e1	2.145e1	7.93	n/a	3.200	n/a

ICP Anaytical Results - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: CORE COMPOSITE

SEGMENT PORTION: Core Composite

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000374		Z	Silver -ICP-Fusion	ug/g	99.40	<1.00e-02	<2.26e+02	<2.11e2	n/a	n/a	82.20	226.0	n/a
S96T000374		Z	Aluminium -ICP-Fusion	ug/g	100.4	<5.00e-02	2.43e+04	2.33e+04	2.38e+04	4.20	103.8	1.13e+03	n/a
S96T000374		Z	Arsenic -ICP-Fusion	ug/g	103.2	<1.00e-01	<2.26e+03	<2.11e3	n/a	n/a	101.5	2.26e+03	n/a
S96T000374		Z	Boron -ICP-Fusion	ug/g	104.0	<5.00e-02	<1.13e+03	<1.05e3	n/a	n/a	98.80	1.13e+03	n/a
S96T000374		Z	Barium -ICP-Fusion	ug/g	103.2	<5.00e-02	<1.13e+03	<1.05e3	n/a	n/a	99.30	1.13e+03	n/a
S96T000374		Z	Beryllium -ICP-Fusion	ug/g	105.6	<5.00e-03	<1.13e+02	<1.05e2	n/a	n/a	100.7	113.0	n/a
S96T000374		Z	Bismuth -ICP-Fusion	ug/g	101.0	<1.00e-01	<2.26e+03	<2.11e3	n/a	n/a	98.00	2.26e+03	n/a
S96T000374		Z	Calcium -ICP-Fusion	ug/g	102.8	<1.00e-01	<2.26e+03	<2.11e3	n/a	n/a	99.80	2.26e+03	n/a
S96T000374		Z	Cadmium -ICP-Fusion	ug/g	101.0	<5.00e-03	<1.13e+02	<1.05e2	n/a	n/a	98.80	113.0	n/a
S96T000374		Z	Cerium -ICP-Fusion	ug/g	103.0	<1.00e-01	<2.26e+03	<2.11e3	n/a	n/a	100.5	2.26e+03	n/a
S96T000374		Z	Cobalt -ICP-Fusion	ug/g	101.8	<2.00e-02	<4.52e+02	<4.22e2	n/a	n/a	101.0	452.0	n/a
S96T000374		Z	Chromium -ICP-Fusion	ug/g	101.4	<1.00e-02	5.83e+03	5.78e+03	5.80e+03	0.86	102.3	226.0	n/a
S96T000374		Z	Copper -ICP-Fusion	ug/g	104.6	<1.00e-02	<2.26e+02	<2.11e2	n/a	n/a	100.5	226.0	n/a
S96T000374		Z	Iron -ICP-Fusion	ug/g	102.6	<5.00e-02	1.64e+03	2.72e+03	2.18e+03	49.5	100.6	1.13e+03	n/a
S96T000374		Z	Potassium -ICP-Fusion	ug/g	103.8	<5.00e-01	7.31e+06	n/a	n/a	n/a	n/a	1.13e+04	n/a
S96T000374		Z	Lanthanum -ICP-Fusion	ug/g	102.2	<5.00e-02	<1.13e+03	<1.05e3	n/a	n/a	99.50	1.13e+03	n/a
S96T000374		Z	Lithium -ICP-Fusion	ug/g	107.0	<1.00e-02	<2.26e+02	<2.11e2	n/a	n/a	96.80	226.0	n/a
S96T000374		Z	Magnesium -ICP-Fusion	ug/g	98.20	<1.00e-01	<2.26e+03	<2.11e3	n/a	n/a	96.10	2.26e+03	n/a
S96T000374		Z	Manganese -ICP-Fusion	ug/g	101.0	<1.00e-02	<2.26e+02	<2.11e2	n/a	n/a	99.80	226.0	n/a
S96T000374		Z	Molybdenum -ICP-Fusion	ug/g	102.0	<5.00e-02	<1.13e+03	<1.05e3	n/a	n/a	100.5	1.13e+03	n/a
S96T000374		Z	Sodium -ICP-Fusion	ug/g	104.8	1.62e-01	2.62e+05	2.55e+05	2.58e+05	2.71	129.4	2.26e+03	n/a
S96T000374		Z	Neodymium -ICP-Fusion	ug/g	105.0	<1.00e-01	<2.26e+03	<2.11e3	n/a	n/a	99.80	2.26e+03	n/a
S96T000374		Z	Nickel -ICP-Fusion	ug/g	101.0	<2.00e-02	<4.52e+02	<4.22e2	n/a	n/a	101.0	452.0	n/a
S96T000374		Z	Phosphorus -ICP-Fusion	ug/g	103.8	<2.00e-01	<4.52e+03	<4.22e3	n/a	n/a	107.3	4.52e+03	n/a
S96T000374		Z	Lead -ICP-Fusion	ug/g	100.4	<1.00e-01	<2.26e+03	<2.11e3	n/a	n/a	99.50	2.26e+03	n/a
S96T000374		Z	Sulfur -ICP-Fusion	ug/g	100.6	<1.00e-01	9.36e+03	9.02e+03	9.19e+03	3.70	98.30	2.26e+03	n/a
S96T000374		Z	Antimony -ICP-Fusion	ug/g	95.60	<6.00e-02	<1.36e+03	<1.26e3	n/a	n/a	90.70	1.36e+03	n/a
S96T000374		Z	Selenium -ICP-Fusion	ug/g	104.6	<1.00e-01	<2.26e+03	<2.11e3	n/a	n/a	99.80	2.26e+03	n/a
S96T000374		Z	Silicon -ICP-Fusion	ug/g	98.20	<5.00e-02	<1.13e+03	<1.05e3	n/a	n/a	97.60	1.13e+03	n/a
S96T000374		Z	Samarium -ICP-Fusion	ug/g	104.0	<1.00e-01	<2.26e+03	<2.11e3	n/a	n/a	99.80	2.26e+03	n/a
S96T000374		Z	Strontium -ICP-Fusion	ug/g	102.2	<1.00e-02	4.65e+02	510.0	487.5	9.23	99.20	226.0	n/a
S96T000374		Z	Titanium-ICP-Fusion	ug/g	100.8	<1.00e-02	<2.26e+02	<2.11e2	n/a	n/a	98.50	226.0	n/a
S96T000374		Z	Thallium -ICP-Fusion	ug/g	98.40	<2.00e-01	<4.52e+03	<4.22e3	n/a	n/a	102.7	4.52e+03	n/a
S96T000374		Z	Uranium -ICP-Fusion	ug/g	102.0	<5.00e-01	<1.13e+04	<1.05e4	n/a	n/a	95.75	1.13e+04	n/a
S96T000374		Z	Vanadium -ICP-Fusion	ug/g	102.2	<5.00e-02	<1.13e+03	<1.05e3	n/a	n/a	101.0	1.13e+03	n/a
S96T000374		Z	Zinc -ICP-Fusion	ug/g	101.6	<1.00e-02	<2.26e+02	<2.11e2	n/a	n/a	99.80	226.0	n/a
S96T000374		Z	Zirconium -ICP-Fusion	ug/g	101.0	1.66e-01	4.92e+03	5.07e+03	5.00e+03	3.00	99.40	226.0	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: n/a

SEGMENT PORTION: Field Blank

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003713		D	Lithium-ICP-Acid Dil.	ug/mL	97.80	<1.000e-2	<1.00e-02	<1.00e-2	n/a	n/a	100.8	1.000e-2	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 1

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003771		Z	Aluminium -ICP-Fusion	ug/g	99.40	<5.000e-2	6.20e+04	5.550e4	5.880e4	11.1	89.10	2.510e3	n/a
S95T003771		Z	Bismuth -ICP-Fusion	ug/g	99.20	<1.000e-1	<5.02e+03	<5.07e3	n/a	n/a	99.60	5.020e3	n/a
S95T003771		Z	Calcium -ICP-Fusion	ug/g	99.00	<1.000e-1	<5.02e+03	<5.07e3	n/a	n/a	99.10	5.020e3	n/a
S95T003771		Z	Chromium -ICP-Fusion	ug/g	101.0	<1.000e-2	1.86e+03	1.770e3	1.820e3	4.96	99.30	502.0	n/a
S95T003771		Z	Iron -ICP-Fusion	ug/g	99.80	<5.000e-2	<2.51e+03	<2.53e3	n/a	n/a	100.5	2.510e3	n/a
S95T003771		Z	Lithium -ICP-Fusion	ug/g	100.8	<1.000e-2	<5.02e+02	<5.07e2	n/a	n/a	93.20	502.0	n/a
S95T003771		Z	Manganese -ICP-Fusion	ug/g	100.0	<1.000e-2	<5.02e+02	<5.07e2	n/a	n/a	99.10	502.0	n/a
S95T003771		Z	Sodium -ICP-Fusion	ug/g	100.0	1.76e-01	2.41e+05	2.290e5	2.350e5	5.11	54.80	5.020e3	n/a
S95T003771		Z	Nickel -ICP-Fusion	ug/g	100.0	2.59e-01	1.88e+04	1.370e4	1.620e4	31.4	89.60	1.000e3	n/a
S95T003771		Z	Phosphorus -ICP-Fusion	ug/g	101.4	<2.000e-1	<1.00e+04	<1.01e4	n/a	n/a	95.40	1.000e4	n/a
S95T003771		Z	Silicon -ICP-Fusion	ug/g	95.40	<5.000e-2	<2.51e+03	<2.53e3	n/a	n/a	98.80	2.510e3	n/a
S95T003771		Z	Uranium -ICP-Fusion	ug/g	95.50	<5.000e-1	<2.51e+04	<2.53e4	n/a	n/a	91.85	2.510e4	n/a

Drainable Liquid: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003761		D	Silver-ICP-Acid Dil.	ug/mL	100.2	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	65.30	12.00	n/a
S95T003761		D	Aluminium-ICP-Acid Dil.	ug/mL	98.60	<5.000e-2	6.86e+04	7.020e4	6.940e4	2.31	282.0	60.10	n/a
S95T003761		D	Arsenic-ICP-Acid Dil.	ug/mL	102.2	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	102.4	120.0	n/a
S95T003761		D	Boron-ICP-Acid Dil.	ug/mL	100.2	<5.000e-2	< 60.00	<6.00e1	n/a	n/a	101.6	60.10	n/a
S95T003761		D	Barium-ICP-Acid Dil.	ug/mL	97.80	<5.000e-2	< 60.00	<6.00e1	n/a	n/a	92.40	60.10	n/a
S95T003761		D	Beryllium-ICP-Acid Dil.	ug/mL	102.4	<5.000e-3	< 6.000	<6.00e0	n/a	n/a	103.2	6.000	n/a
S95T003761		D	Bismuth-ICP-Acid Dil.	ug/mL	99.80	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	101.6	120.0	n/a
S95T003761		D	Calcium-ICP-Acid Dil.	ug/mL	96.60	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	96.60	120.0	n/a
S95T003761		D	Cadmium-ICP-Acid Dil.	ug/mL	101.8	<5.000e-3	< 6.000	<6.00e0	n/a	n/a	102.4	6.000	n/a
S95T003761		D	Cerium-ICP-Acid Dil.	ug/mL	100.4	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	101.6	120.0	n/a
S95T003761		D	Cobalt-ICP-Acid Dil.	ug/mL	104.4	<2.000e-2	< 24.00	<2.40e1	n/a	n/a	103.2	24.00	n/a
S95T003761		D	Chromium-ICP-Acid Dil.	ug/mL	103.6	<1.000e-2	4.41e+03	4.470e3	4.440e3	1.35	118.2	12.00	n/a
S95T003761		D	Copper-ICP-Acid Dil.	ug/mL	98.80	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	98.30	12.00	n/a
S95T003761		D	Iron-ICP-Acid Dil.	ug/mL	101.2	<5.000e-2	< 60.00	<6.00e1	n/a	n/a	103.2	60.10	n/a
S95T003761		D	Potassium-ICP-Acid Dil.	ug/mL	99.20	<5.000e-1	9.52e+03	9.810e3	9.660e3	3.00	131.2	600.0	n/a
S95T003761		D	Lanthanum-ICP-Acid Dil.	ug/mL	98.20	<5.000e-2	< 60.00	<6.00e1	n/a	n/a	99.90	60.10	n/a
S95T003761		D	Lithium-ICP-Acid Dil.	ug/mL	97.20	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	95.80	12.00	n/a
S95T003761		D	Magnesium-ICP-Acid Dil.	ug/mL	100.4	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	100.7	120.0	n/a
S95T003761		D	Manganese-ICP-Acid Dil.	ug/mL	102.0	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	104.1	12.00	n/a
S95T003761		D	Molybdenum-ICP-Acid Dil.	ug/mL	103.2	<5.000e-2	90.20	8.790e1	8.905e1	2.58	101.6	60.10	n/a
S95T003761		D	Sodium-ICP-Acid Dil.	ug/mL	96.60	<1.000e-1	2.38e+05	2.470e5	2.420e5	3.71	560.8	120.0	n/a
S95T003761		D	Neodymium-ICP-Acid Dil.	ug/mL	98.60	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	103.2	120.0	n/a
S95T003761		D	Nickel-ICP-Acid Dil.	ug/mL	101.6	<2.000e-2	< 24.00	<2.40e1	n/a	n/a	103.2	24.00	n/a
S95T003761		D	Phosphorus-ICP-Acid Dil.	ug/mL	101.4	<2.000e-1	3.83e+02	3.840e2	3.835e2	0.26	98.90	240.0	n/a
S95T003761		D	Lead-ICP-Acid Dil.	ug/mL	102.2	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	114.1	120.0	n/a
S95T003761		D	Sulfer-ICP-Acid Dil.	ug/mL	101.2	<1.000e-1	3.00e+02	3.080e2	3.040e2	2.63	101.6	120.0	n/a
S95T003761		D	Antimony-ICP-Acid Dil.	ug/mL	92.20	<6.000e-2	< 72.10	<7.21e1	n/a	n/a	95.80	72.10	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003761		D	Selenium-ICP-Acid Dil.	ug/mL	101.2	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	97.40	120.0	n/a
S95T003761		D	Silicon-ICP-Acid Dil.	ug/mL	96.80	<5.000e-2	97.20	8.990e1	9.355e1	7.80	99.30	60.10	n/a
S95T003761		D	Samarium-ICP-Acid Dil.	ug/mL	97.40	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	95.80	120.0	n/a
S95T003761		D	Strontium-ICP-Acid Dil.	ug/mL	98.20	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	99.90	12.00	n/a
S95T003761		D	Titanium-ICP-Acid Dil.	ug/mL	98.60	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	98.30	12.00	n/a
S95T003761		D	Thallium-ICP-Acid Dil.	ug/mL	97.00	<2.000e-1	<2.40e+02	<2.40e2	n/a	n/a	96.60	240.0	n/a
S95T003761		D	Vanadium-ICP-Acid Dil.	ug/mL	101.8	<5.000e-2	< 60.00	<6.00e1	n/a	n/a	101.6	60.10	n/a
S95T003761		D	Zinc-ICP-Acid Dil.	ug/mL	104.0	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	102.4	12.00	n/a
S95T003761		D	Zirconium-ICP-Acid Dil.	ug/mL	98.20	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	95.80	12.00	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 2

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003786		Z	Aluminium -ICP-Fusion	ug/g	99.60	<5.000e-2	3.61e+04	3.390e4	3.500e4	6.29	98.60	1.000e3	n/a
S95T003786		Z	Bismuth -ICP-Fusion	ug/g	101.2	<1.000e-1	<2.01e+03	<1.96e3	n/a	n/a	98.80	2.010e3	n/a
S95T003786		Z	Calcium -ICP-Fusion	ug/g	101.2	<1.000e-1	<2.01e+03	<1.96e3	n/a	n/a	95.20	2.010e3	n/a
S95T003786		Z	Chromium -ICP-Fusion	ug/g	103.8	<1.000e-2	3.94e+03	3.700e3	3.820e3	6.28	105.8	201.0	n/a
S95T003786		Z	Iron -ICP-Fusion	ug/g	102.4	<5.000e-2	<1.00e+03	<9.79e2	n/a	n/a	105.7	1.000e3	n/a
S95T003786		Z	Lithium -ICP-Fusion	ug/g	99.40	<1.000e-2	<2.01e+02	<1.96e2	n/a	n/a	83.40	201.0	n/a
S95T003786		Z	Manganese -ICP-Fusion	ug/g	102.2	<1.000e-2	<2.01e+02	<1.96e2	n/a	n/a	102.2	201.0	n/a
S95T003786		Z	Sodium -ICP-Fusion	ug/g	98.00	1.43e-01	2.15e+05	2.110e5	2.130e5	1.88	79.70	2.010e3	n/a
S95T003786		Z	Nickel -ICP-Fusion	ug/g	102.6	<2.000e-2	<4.02e+02	<3.92e2	n/a	n/a	103.2	402.0	n/a
S95T003786		Z	Phosphorus -ICP-Fusion	ug/g	102.8	<2.000e-1	4.62e+03	<3.92e3	n/a	n/a	94.80	4.020e3	n/a
S95T003786		Z	Silicon -ICP-Fusion	ug/g	97.60	<5.000e-2	<1.00e+03	<9.79e2	n/a	n/a	98.80	1.000e3	n/a
S95T003786		Z	Uranium -ICP-Fusion	ug/g	90.40	<5.000e-1	<1.00e+04	<9.79e3	n/a	n/a	84.55	1.000e4	n/a
S95T003791		A	Silver -ICP-Acid Digest	ug/g	91.70	<1.000e-2	19.40	1.900e1	1.920e1	2.08	90.60	6.170	n/a
S95T003791		A	Aluminium -ICP-Acid Digest	ug/g	97.40	1.40e-01	2.96e+04	2.880e4	2.920e4	2.74	244.0	30.90	n/a
S95T003791		A	Arsenic -ICP-Acid Digest	ug/g	96.00	<1.000e-1	< 61.70	<6.13e1	n/a	n/a	93.60	61.70	n/a
S95T003791		A	Boron -ICP-Acid Digest	ug/g	104.0	5.81e-01	< 30.80	<3.06e1	n/a	n/a	90.80	30.90	n/a
S95T003791		A	Barium -ICP-Acid Digest	ug/g	94.20	<5.000e-2	< 30.80	<3.06e1	n/a	n/a	90.40	30.90	n/a
S95T003791		A	Beryllium -ICP-Acid Digest	ug/g	107.8	<5.000e-3	< 3.080	<3.06e0	n/a	n/a	95.40	3.080	n/a
S95T003791		A	Bismuth -ICP-Acid Digest	ug/g	92.00	<1.000e-1	< 61.70	<6.13e1	n/a	n/a	95.00	61.70	n/a
S95T003791		A	Calcium -ICP-Acid Digest	ug/g	96.80	<1.000e-1	2.62e+02	2.640e2	2.630e2	0.76	96.34	61.70	n/a
S95T003791		A	Cadmium -ICP-Acid Digest	ug/g	93.20	<5.000e-3	14.00	1.370e1	1.385e1	2.17	92.06	3.080	n/a
S95T003791		A	Cerium -ICP-Acid Digest	ug/g	98.00	<1.000e-1	< 61.70	<6.13e1	n/a	n/a	94.40	61.70	n/a
S95T003791		A	Cobalt -ICP-Acid Digest	ug/g	94.60	<2.000e-2	< 12.30	<1.24e1	n/a	n/a	92.80	12.30	n/a
S95T003791		A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	2.62e+03	2.440e3	2.530e3	7.11	113.3	6.170	n/a
S95T003791		A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	< 6.170	<6.13e0	n/a	n/a	89.60	6.170	n/a
S95T003791		A	Iron -ICP-Acid Digest	ug/g	94.60	<5.000e-2	7.10e+02	7.220e2	7.160e2	1.68	118.5	30.90	n/a
S95T003791		A	Potassium -ICP-Acid Digest	ug/g	95.40	<5.000e-1	2.71e+03	2.500e3	2.600e3	8.06	120.5	308.0	n/a
S95T003791		A	Lanthanum -ICP-Acid Digest	ug/g	96.60	<5.000e-2	< 30.80	<3.06e1	n/a	n/a	93.20	30.90	n/a
S95T003791		A	Lithium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	< 6.170	<6.13e0	n/a	n/a	90.60	6.170	n/a
S95T003791		A	Magnesium -ICP-Acid Digest	ug/g	91.60	<1.000e-1	< 61.70	<6.13e1	n/a	n/a	90.60	61.70	n/a
S95T003791		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	22.60	2.210e1	2.235e1	2.24	89.38	6.170	n/a
S95T003791		A	Molybdenum -ICP-Acid Digest	ug/g	94.60	<5.000e-2	< 30.80	<3.06e1	n/a	n/a	94.20	30.90	n/a
S95T003791		A	Sodium -ICP-Acid Digest	ug/g	110.0	7.62e-01	2.10e+05	2.010e5	2.060e5	4.38	229.1	61.70	n/a
S95T003791		A	Neodymium -ICP-Acid Digest	ug/g	94.00	<1.000e-1	< 61.70	<6.13e1	n/a	n/a	90.20	61.70	n/a
S95T003791		A	Nickel -ICP-Acid Digest	ug/g	93.80	<2.000e-2	1.41e+02	1.430e2	1.420e2	1.41	93.96	12.30	n/a
S95T003791		A	Phosphorus -ICP-Acid Digest	ug/g	94.60	<2.000e-1	3.80e+03	3.930e3	3.860e3	3.36	67.72	123.0	n/a
S95T003791		A	Lead -ICP-Acid Digest	ug/g	92.00	<1.000e-1	82.80	9.210e1	8.745e1	10.6	94.50	61.70	n/a
S95T003791		A	Sulfur -ICP-Acid Digest	ug/g	91.20	<1.000e-1	3.15e+03	2.800e3	2.980e3	11.8	102.6	61.70	n/a
S95T003791		A	Antimony -ICP-Acid Digest	ug/g	88.00	<6.000e-2	< 37.00	<3.68e1	n/a	n/a	87.80	37.00	n/a
S95T003791		A	Selenium -ICP-Acid Digest	ug/g	94.40	<1.000e-1	< 61.70	<6.13e1	n/a	n/a	91.00	61.70	n/a
S95T003791		A	Silicon -ICP-Acid Digest	ug/g	170.6	1.64e-01	1.27e+02	1.260e2	1.265e2	0.79	85.50	30.90	n/a
S95T003791		A	Samarium -ICP-Acid Digest	ug/g	94.40	<1.000e-1	< 61.70	<6.13e1	n/a	n/a	90.20	61.70	n/a
S95T003791		A	Strontium -ICP-Acid Digest	ug/g	95.00	<1.000e-2	2.02e+02	2.120e2	2.070e2	4.83	93.46	6.170	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003791		A	Titanium-ICP-Acid Digest	ug/g	93.00	<1.000e-2	< 6.170	<6.13e0	n/a	n/a	89.60	6.170	n/a
S95T003791		A	Thallium -ICP-Acid Digest	ug/g	90.80	<2.000e-1	<1.23e+02	<1.24e2	n/a	n/a	88.80	123.0	n/a
S95T003791		A	Uranium -ICP-Acid Digest	ug/g	90.60	<5.000e-1	4.05e+02	4.350e2	4.200e2	7.14	90.58	308.0	n/a
S95T003791		A	Vanadium -ICP-Acid Digest	ug/g	92.60	<5.000e-2	< 30.80	<3.06e1	n/a	n/a	89.60	30.90	n/a
S95T003791		A	Zinc -ICP-Acid Digest	ug/g	89.60	1.10e-02	22.20	2.150e1	2.185e1	3.20	90.00	6.170	n/a
S95T003791		A	Zirconium -ICP-Acid Digest	ug/g	93.20	<1.000e-2	8.450	9.480e0	8.965e0	11.5	90.52	6.170	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003787		Z	Aluminium -ICP-Fusion	ug/g	99.60	<5.000e-2	3.82e+04	3.690e4	3.760e4	3.46	105.0	979.0	n/a
S95T003787		Z	Bismuth -ICP-Fusion	ug/g	101.2	<1.000e-1	<1.96e+03	<1.96e3	n/a	n/a	101.5	1.960e3	n/a
S95T003787		Z	Calcium -ICP-Fusion	ug/g	101.2	<1.000e-1	<1.96e+03	<1.96e3	n/a	n/a	102.7	1.960e3	n/a
S95T003787		Z	Chromium -ICP-Fusion	ug/g	103.8	<1.000e-2	1.70e+04	1.620e4	1.660e4	4.82	102.8	196.0	n/a
S95T003787		Z	Iron -ICP-Fusion	ug/g	102.4	<5.000e-2	2.39e+03	2.300e3	2.340e3	3.84	101.0	979.0	n/a
S95T003787		Z	Lithium -ICP-Fusion	ug/g	99.40	<1.000e-2	<1.96e+02	<1.96e2	n/a	n/a	94.70	196.0	n/a
S95T003787		Z	Manganese -ICP-Fusion	ug/g	102.2	<1.000e-2	<1.96e+02	<1.96e2	n/a	n/a	101.0	196.0	n/a
S95T003787		Z	Sodium -ICP-Fusion	ug/g	98.00	1.43e-01	1.95e+05	2.050e5	2.000e5	5.00	137.1	1.960e3	n/a
S95T003787		Z	Nickel -ICP-Fusion	ug/g	102.6	<2.000e-2	7.67e+02	7.660e2	7.665e2	0.13	99.30	392.0	n/a
S95T003787		Z	Phosphorus -ICP-Fusion	ug/g	102.8	<2.000e-1	7.65e+03	1.010e4	8.880e3	27.6	107.3	3.920e3	n/a
S95T003787		Z	Silicon -ICP-Fusion	ug/g	97.60	<5.000e-2	<9.79e+02	<9.79e2	n/a	n/a	101.3	979.0	n/a
S95T003787		Z	Uranium -ICP-Fusion	ug/g	90.40	<5.000e-1	<9.79e+03	<9.79e3	n/a	n/a	102.7	9.790e3	n/a
S95T003792		A	Silver -ICP-Acid Digest	ug/g	91.70	<1.000e-2	21.20	2.150e1	2.135e1	1.41	n/a	5.530	n/a
S95T003792		A	Aluminium -ICP-Acid Digest	ug/g	97.40	1.40e-01	3.22e+04	3.230e4	3.220e4	0.31	n/a	27.60	n/a
S95T003792		A	Arsenic -ICP-Acid Digest	ug/g	96.00	<1.000e-1	< 55.30	<5.61e1	n/a	n/a	n/a	55.30	n/a
S95T003792		A	Boron -ICP-Acid Digest	ug/g	104.0	5.81e-01	99.10	1.260e2	1.125e2	23.9	n/a	27.60	n/a
S95T003792		A	Barium -ICP-Acid Digest	ug/g	94.20	<5.000e-2	< 27.60	<2.80e1	n/a	n/a	n/a	27.60	n/a
S95T003792		A	Beryllium -ICP-Acid Digest	ug/g	107.8	<5.000e-3	< 2.760	<2.80e0	n/a	n/a	n/a	2.770	n/a
S95T003792		A	Bismuth -ICP-Acid Digest	ug/g	92.00	<1.000e-1	92.40	9.870e1	9.555e1	6.59	n/a	55.30	n/a
S95T003792		A	Calcium -ICP-Acid Digest	ug/g	96.80	<1.000e-1	6.59e+02	6.640e2	6.615e2	0.76	n/a	55.30	n/a
S95T003792		A	Cadmium -ICP-Acid Digest	ug/g	93.20	<5.000e-3	67.40	6.830e1	6.785e1	1.33	n/a	2.770	n/a
S95T003792		A	Cerium -ICP-Acid Digest	ug/g	98.00	<1.000e-1	< 55.30	<5.61e1	n/a	n/a	n/a	55.30	n/a
S95T003792		A	Cobalt -ICP-Acid Digest	ug/g	94.60	<2.000e-2	26.60	2.700e1	2.680e1	1.49	n/a	11.10	n/a
S95T003792		A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	1.15e+04	1.110e4	1.130e4	3.54	n/a	5.530	n/a
S95T003792		A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	9.970	1.360e1	1.179e1	30.8	n/a	5.530	n/a
S95T003792		A	Iron -ICP-Acid Digest	ug/g	94.60	<5.000e-2	1.98e+03	1.830e3	1.900e3	7.87	n/a	27.60	n/a
S95T003792		A	Potassium -ICP-Acid Digest	ug/g	95.40	<5.000e-1	3.63e+03	3.600e3	3.620e3	0.83	n/a	276.0	n/a
S95T003792		A	Lanthanum -ICP-Acid Digest	ug/g	96.60	<5.000e-2	< 27.60	<2.80e1	n/a	n/a	n/a	27.60	n/a
S95T003792		A	Lithium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	< 5.530	<5.61e0	n/a	n/a	n/a	5.530	n/a
S95T003792		A	Magnesium -ICP-Acid Digest	ug/g	91.60	<1.000e-1	< 55.30	5.760e1	n/a	n/a	n/a	55.30	n/a
S95T003792		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	72.60	6.710e1	6.985e1	7.87	n/a	5.530	n/a
S95T003792		A	Molybdenum -ICP-Acid Digest	ug/g	94.60	<5.000e-2	33.50	3.140e1	3.245e1	6.47	n/a	27.60	n/a
S95T003792		A	Sodium -ICP-Acid Digest	ug/g	110.0	7.62e-01	1.78e+05	1.710e5	1.740e5	4.01	n/a	55.30	n/a
S95T003792		A	Neodymium -ICP-Acid Digest	ug/g	94.00	<1.000e-1	< 55.30	<5.61e1	n/a	n/a	n/a	55.30	n/a
S95T003792		A	Nickel -ICP-Acid Digest	ug/g	93.80	<2.000e-2	5.34e+02	5.380e2	5.360e2	0.75	n/a	11.10	n/a
S95T003792		A	Phosphorus -ICP-Acid Digest	ug/g	94.60	<2.000e-1	8.71e+03	6.470e3	7.590e3	29.5	n/a	111.0	n/a
S95T003792		A	Lead -ICP-Acid Digest	ug/g	92.00	<1.000e-1	2.19e+02	2.150e2	2.170e2	1.84	n/a	55.30	n/a
S95T003792		A	Sulfur -ICP-Acid Digest	ug/g	91.20	<1.000e-1	9.68e+03	9.640e3	9.660e3	0.41	n/a	55.30	n/a
S95T003792		A	Antimony -ICP-Acid Digest	ug/g	88.00	<6.000e-2	< 33.20	<3.36e1	n/a	n/a	n/a	33.20	n/a
S95T003792		A	Selenium -ICP-Acid Digest	ug/g	94.40	<1.000e-1	< 55.30	<5.61e1	n/a	n/a	n/a	55.30	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003792		A	Silicon -ICP-Acid Digest	ug/g	170.6	1.64e-01	2.58e+02	3.560e2	3.070e2	31.9	n/a	27.60	n/a
S95T003792		A	Samarium -ICP-Acid Digest	ug/g	94.40	<1.000e-1	< 55.30	<5.61e1	n/a	n/a	n/a	55.30	n/a
S95T003792		A	Strontium -ICP-Acid Digest	ug/g	95.00	<1.000e-2	7.89e+02	8.280e2	8.085e2	4.82	n/a	5.530	n/a
S95T003792		A	Titanium-ICP-Acid Digest	ug/g	93.00	<1.000e-2	7.510	7.630e0	7.570e0	1.59	n/a	5.530	n/a
S95T003792		A	Thallium -ICP-Acid Digest	ug/g	90.80	<2.000e-1	<1.11e+02	<1.12e2	n/a	n/a	n/a	111.0	n/a
S95T003792		A	Uranium -ICP-Acid Digest	ug/g	90.60	<5.000e-1	1.62e+03	1.630e3	1.620e3	0.62	n/a	276.0	n/a
S95T003792		A	Vanadium -ICP-Acid Digest	ug/g	92.60	<5.000e-2	< 27.60	<2.80e1	n/a	n/a	n/a	27.60	n/a
S95T003792		A	Zinc -ICP-Acid Digest	ug/g	89.60	1.10e-02	55.00	5.810e1	5.655e1	5.48	n/a	5.530	n/a
S95T003792		A	Zirconium -ICP-Acid Digest	ug/g	93.20	<1.000e-2	33.20	3.310e1	3.315e1	0.30	n/a	5.530	n/a

Drainable Liquid: Drainable Liquid

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003775		D	Silver-ICP-Acid Dil.	ug/mL	100.2	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	60.10	12.00	n/a
S95T003775		D	Aluminium-ICP-Acid Dil.	ug/mL	98.60	<5.000e-2	7.48e+04	7.450e4	7.460e4	0.40	n/a	60.10	n/a
S95T003775		D	Arsenic-ICP-Acid Dil.	ug/mL	102.2	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	102.4	120.0	n/a
S95T003775		D	Boron-ICP-Acid Dil.	ug/mL	100.2	<5.000e-2	< 60.00	<6.00e1	n/a	n/a	101.6	60.10	n/a
S95T003775		D	Barium-ICP-Acid Dil.	ug/mL	97.80	<5.000e-2	< 60.00	<6.00e1	n/a	n/a	100.7	60.10	n/a
S95T003775		D	Beryllium-ICP-Acid Dil.	ug/mL	102.4	<5.000e-3	< 6.000	<6.00e0	n/a	n/a	103.2	6.000	n/a
S95T003775		D	Bismuth-ICP-Acid Dil.	ug/mL	99.80	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	99.90	120.0	n/a
S95T003775		D	Calcium-ICP-Acid Dil.	ug/mL	96.60	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	97.40	120.0	n/a
S95T003775		D	Cadmium-ICP-Acid Dil.	ug/mL	101.8	<5.000e-3	< 6.000	<6.00e0	n/a	n/a	102.4	6.000	n/a
S95T003775		D	Cerium-ICP-Acid Dil.	ug/mL	100.4	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	100.7	120.0	n/a
S95T003775		D	Cobalt-ICP-Acid Dil.	ug/mL	104.4	<2.000e-2	< 24.00	<2.40e1	n/a	n/a	101.6	24.00	n/a
S95T003775		D	Chromium-ICP-Acid Dil.	ug/mL	103.6	<1.000e-2	3.86e+03	3.820e3	3.840e3	1.04	75.80	12.00	n/a
S95T003775		D	Copper-ICP-Acid Dil.	ug/mL	98.80	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	99.10	12.00	n/a
S95T003775		D	Iron-ICP-Acid Dil.	ug/mL	101.2	<5.000e-2	< 60.00	<6.00e1	n/a	n/a	102.4	60.10	n/a
S95T003775		D	Potassium-ICP-Acid Dil.	ug/mL	99.20	<5.000e-1	1.05e+04	1.030e4	1.040e4	1.92	n/a	600.0	n/a
S95T003775		D	Lanthanum-ICP-Acid Dil.	ug/mL	98.20	<5.000e-2	< 60.00	<6.00e1	n/a	n/a	100.7	60.10	n/a
S95T003775		D	Lithium-ICP-Acid Dil.	ug/mL	97.20	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	97.40	12.00	n/a
S95T003775		D	Magnesium-ICP-Acid Dil.	ug/mL	100.4	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	99.10	120.0	n/a
S95T003775		D	Manganese-ICP-Acid Dil.	ug/mL	102.0	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	103.2	12.00	n/a
S95T003775		D	Molybdenum-ICP-Acid Dil.	ug/mL	103.2	<5.000e-2	96.40	9.460e1	9.550e1	1.88	100.2	60.10	n/a
S95T003775		D	Sodium-ICP-Acid Dil.	ug/mL	96.60	<1.000e-1	2.54e+05	2.530e5	2.540e5	0.39	n/a	120.0	n/a
S95T003775		D	Neodymium-ICP-Acid Dil.	ug/mL	98.60	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	103.2	120.0	n/a
S95T003775		D	Nickel-ICP-Acid Dil.	ug/mL	101.6	<2.000e-2	< 24.00	<2.40e1	n/a	n/a	102.4	24.00	n/a
S95T003775		D	Phosphorus-ICP-Acid Dil.	ug/mL	101.4	<2.000e-1	4.47e+02	4.560e2	4.515e2	1.99	95.20	240.0	n/a
S95T003775		D	Lead-ICP-Acid Dil.	ug/mL	102.2	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	112.4	120.0	n/a
S95T003775		D	Sulfer-ICP-Acid Dil.	ug/mL	101.2	<1.000e-1	3.34e+02	3.380e2	3.360e2	1.19	96.30	120.0	n/a
S95T003775		D	Antimony-ICP-Acid Dil.	ug/mL	92.20	<6.000e-2	< 72.10	<7.21e1	n/a	n/a	94.10	72.10	n/a
S95T003775		D	Selenium-ICP-Acid Dil.	ug/mL	101.2	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	97.40	120.0	n/a
S95T003775		D	Silicon-ICP-Acid Dil.	ug/mL	96.80	<5.000e-2	1.03e+02	1.110e2	1.070e2	7.48	98.80	60.10	n/a
S95T003775		D	Samarium-ICP-Acid Dil.	ug/mL	97.40	<1.000e-1	<1.20e+02	<1.20e2	n/a	n/a	101.6	120.0	n/a
S95T003775		D	Strontium-ICP-Acid Dil.	ug/mL	98.20	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	100.7	12.00	n/a
S95T003775		D	Titanium-ICP-Acid Dil.	ug/mL	98.60	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	98.30	12.00	n/a
S95T003775		D	Thallium-ICP-Acid Dil.	ug/mL	97.00	<2.000e-1	<2.40e+02	<2.40e2	n/a	n/a	99.10	240.0	n/a
S95T003775		D	Vanadium-ICP-Acid Dil.	ug/mL	101.8	<5.000e-2	< 60.00	<6.00e1	n/a	n/a	100.7	60.10	n/a
S95T003775		D	Zinc-ICP-Acid Dil.	ug/mL	104.0	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	100.7	12.00	n/a
S95T003775		D	Zirconium-ICP-Acid Dil.	ug/mL	98.20	<1.000e-2	< 12.00	<1.20e1	n/a	n/a	96.60	12.00	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 3

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003811		Z	Aluminium -ICP-Fusion	ug/g	99.40	<5.000e-2	3.18e+04	3.080e4	3.130e4	3.19	92.00	914.0	n/a
S95T003811		Z	Bismuth -ICP-Fusion	ug/g	99.20	<1.000e-1	<1.83e+03	<1.84e3	n/a	n/a	98.80	1.830e3	n/a
S95T003811		Z	Calcium -ICP-Fusion	ug/g	99.00	<1.000e-1	<1.83e+03	<1.84e3	n/a	n/a	98.60	1.830e3	n/a
S95T003811		Z	Chromium -ICP-Fusion	ug/g	101.0	<1.000e-2	2.28e+03	2.270e3	2.280e3	0.44	99.30	183.0	n/a
S95T003811		Z	Iron -ICP-Fusion	ug/g	99.80	<5.000e-2	9.37e+02	9.330e2	9.350e2	0.43	97.60	914.0	n/a
S95T003811		Z	Lithium -ICP-Fusion	ug/g	100.8	<1.000e-2	<1.83e+02	<1.84e2	n/a	n/a	93.00	183.0	n/a
S95T003811		Z	Manganese -ICP-Fusion	ug/g	100.0	<1.000e-2	<1.83e+02	<1.84e2	n/a	n/a	98.80	183.0	n/a
S95T003811		Z	Sodium -ICP-Fusion	ug/g	100.0	1.76e-01	2.19e+05	2.170e5	2.180e5	0.92	41.80	1.830e3	n/a
S95T003811		Z	Nickel -ICP-Fusion	ug/g	100.0	2.59e-01	3.97e+03	5.260e3	4.620e3	28.0	97.80	366.0	n/a
S95T003811		Z	Phosphorus -ICP-Fusion	ug/g	101.4	<2.000e-1	4.58e+03	<3.69e3	n/a	n/a	97.90	3.660e3	n/a
S95T003811		Z	Silicon -ICP-Fusion	ug/g	95.40	<5.000e-2	9.96e+02	<9.19e2	n/a	n/a	94.60	914.0	n/a
S95T003811		Z	Uranium -ICP-Fusion	ug/g	95.50	<5.000e-1	<9.14e+03	<9.19e3	n/a	n/a	98.45	9.140e3	n/a
S95T003813		W	Silver -ICP-H20 Dig/Acid	ug/g	100.0	<1.000e-2	< 9.650	<9.61e0	n/a	n/a	56.60	9.650	n/a
S95T003813		W	Aluminium -ICP-H20 Dig/Acid	ug/g	99.80	<5.000e-2	3.06e+04	2.840e4	2.950e4	7.46	124.9	48.30	n/a
S95T003813		W	Arsenic -ICP-H20 Dig/Acid	ug/g	102.4	<1.000e-1	< 96.50	<9.61e1	n/a	n/a	103.4	96.50	n/a
S95T003813		W	Boron -ICP-H20 Dig/Acid	ug/g	104.4	<5.000e-2	< 48.30	<4.80e1	n/a	n/a	103.6	48.30	n/a
S95T003813		W	Barium -ICP-H20 Dig/Acid	ug/g	102.8	<5.000e-2	< 48.30	<4.80e1	n/a	n/a	100.6	48.30	n/a
S95T003813		W	Beryllium -ICP-H20 Dig/Acid	ug/g	105.6	<5.000e-3	< 4.830	<4.80e0	n/a	n/a	103.8	4.830	n/a
S95T003813		W	Bismuth -ICP-H20 Dig/Acid	ug/g	101.6	<1.000e-1	< 96.50	<9.61e1	n/a	n/a	102.6	96.50	n/a
S95T003813		W	Calcium -ICP-H20 Dig/Acid	ug/g	102.8	<1.000e-1	< 96.50	<9.61e1	n/a	n/a	99.20	96.50	n/a
S95T003813		W	Cadmium -ICP-H20 Dig/Acid	ug/g	102.0	<5.000e-3	< 4.830	<4.80e0	n/a	n/a	102.2	4.830	n/a
S95T003813		W	Cerium -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-1	< 96.50	<9.61e1	n/a	n/a	100.2	96.50	n/a
S95T003813		W	Cobalt -ICP-H20 Dig/Acid	ug/g	101.8	<2.000e-2	< 19.30	<1.92e1	n/a	n/a	103.4	19.30	n/a
S95T003813		W	Chromium -ICP-H20 Dig/Acid	ug/g	102.2	<1.000e-2	2.52e+02	2.380e2	2.450e2	5.71	104.0	9.650	n/a
S95T003813		W	Copper -ICP-H20 Dig/Acid	ug/g	104.2	<1.000e-2	< 9.650	<9.61e0	n/a	n/a	101.8	9.650	n/a
S95T003813		W	Iron -ICP-H20 Dig/Acid	ug/g	103.2	<5.000e-2	< 48.30	<4.80e1	n/a	n/a	102.6	48.30	n/a
S95T003813		W	Potassium -ICP-H20 Dig/Acid	ug/g	103.0	<5.000e-1	4.03e+03	3.770e3	3.900e3	6.67	106.6	483.0	n/a
S95T003813		W	Lanthanum -ICP-H20 Dig/Acid	ug/g	103.2	<5.000e-2	< 48.30	<4.80e1	n/a	n/a	102.0	48.30	n/a
S95T003813		W	Lithium -ICP-H20 Dig/Acid	ug/g	103.8	<1.000e-2	< 9.650	<9.61e0	n/a	n/a	97.60	9.650	n/a
S95T003813		W	Magnesium -ICP-H20 Dig/Acid	ug/g	98.20	<1.000e-1	< 96.50	<9.61e1	n/a	n/a	98.20	96.50	n/a
S95T003813		W	Manganese -ICP-H20 Dig/Acid	ug/g	102.2	<1.000e-2	< 9.650	<9.61e0	n/a	n/a	103.0	9.650	n/a
S95T003813		W	Molybdenum -ICP-H20 Dig/Acid	ug/g	101.4	<5.000e-2	< 48.30	<4.80e1	n/a	n/a	106.4	48.30	n/a
S95T003813		W	Sodium -ICP-H20 Dig/Acid	ug/g	102.2	<1.000e-1	2.18e+05	2.240e5	2.210e5	2.71	246.4	96.50	n/a
S95T003813		W	Neodymium -ICP-H20 Dig/Acid	ug/g	106.8	<1.000e-1	< 96.50	<9.61e1	n/a	n/a	101.0	96.50	n/a
S95T003813		W	Nickel -ICP-H20 Dig/Acid	ug/g	101.6	<2.000e-2	< 19.30	<1.92e1	n/a	n/a	103.2	19.30	n/a
S95T003813		W	Phosphorus -ICP-H20 Dig/Acid	ug/g	101.8	<2.000e-1	3.93e+03	3.990e3	3.960e3	1.52	109.1	193.0	n/a
S95T003813		W	Lead -ICP-H20 Dig/Acid	ug/g	101.6	<1.000e-1	< 96.50	<9.61e1	n/a	n/a	102.2	96.50	n/a
S95T003813		W	Sulfur -ICP-H20 Dig/Acid	ug/g	100.2	<1.000e-1	3.92e+03	3.990e3	3.960e3	1.77	110.1	96.50	n/a
S95T003813		W	Antimony -ICP-H20 Dig/Acid	ug/g	95.20	<6.000e-2	< 57.90	<5.77e1	n/a	n/a	98.00	57.90	n/a
S95T003813		W	Selenium -ICP-H20 Dig/Acid	ug/g	102.0	<1.000e-1	< 96.50	<9.61e1	n/a	n/a	105.8	96.50	n/a
S95T003813		W	Silicon -ICP-H20 Dig/Acid	ug/g	95.00	<5.000e-2	96.80	8.950e1	9.315e1	7.84	101.2	48.30	n/a
S95T003813		W	Samarium -ICP-H20 Dig/Acid	ug/g	104.4	<1.000e-1	< 96.50	<9.61e1	n/a	n/a	103.2	96.50	n/a
S95T003813		W	Strontium -ICP-H20 Dig/Acid	ug/g	102.0	<1.000e-2	< 9.650	<9.61e0	n/a	n/a	100.8	9.650	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003813		W	Titanium-ICP-H20 Dig/Acid	ug/g	100.2	<1.000e-2	< 9.650	<9.61e0	n/a	n/a	100.0	9.650	n/a
S95T003813		W	Thallium -ICP-H20 Dig/Acid	ug/g	98.00	<2.000e-1	<1.93e+02	<1.92e2	n/a	n/a	95.20	193.0	n/a
S95T003813		W	Uranium -ICP-H20 Dig/Acid	ug/g	103.0	<5.000e-1	<4.83e+02	<4.80e2	n/a	n/a	103.0	483.0	n/a
S95T003813		W	Vanadium -ICP-H20 Dig/Acid	ug/g	103.2	<5.000e-2	< 48.30	<4.80e1	n/a	n/a	104.0	48.30	n/a
S95T003813		W	Zinc -ICP-H20 Dig/Acid	ug/g	102.4	<1.000e-2	< 9.650	<9.61e0	n/a	n/a	104.4	9.650	n/a
S95T003813		W	Zirconium -ICP-H20 Dig/Acid	ug/g	101.2	<1.000e-2	< 9.650	<9.61e0	n/a	n/a	100.4	9.650	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003788		Z	Aluminium -ICP-Fusion	ug/g	99.60	<5.000e-2	2.89e+04	2.740e4	2.820e4	5.33	100.8	992.0	n/a
S95T003788		Z	Bismuth -ICP-Fusion	ug/g	101.2	<1.000e-1	<1.98e+03	<1.98e3	n/a	n/a	101.7	1.980e3	n/a
S95T003788		Z	Calcium -ICP-Fusion	ug/g	101.2	<1.000e-1	2.61e+03	2.390e3	2.500e3	8.80	96.90	1.980e3	n/a
S95T003788		Z	Chromium -ICP-Fusion	ug/g	103.8	<1.000e-2	4.51e+03	4.340e3	4.420e3	3.84	100.9	198.0	n/a
S95T003788		Z	Iron -ICP-Fusion	ug/g	102.4	<5.000e-2	9.67e+03	9.230e3	9.450e3	4.66	99.80	992.0	n/a
S95T003788		Z	Lithium -ICP-Fusion	ug/g	99.40	<1.000e-2	<1.98e+02	<1.98e2	n/a	n/a	92.00	198.0	n/a
S95T003788		Z	Manganese -ICP-Fusion	ug/g	102.2	<1.000e-2	<1.98e+02	<1.98e2	n/a	n/a	100.5	198.0	n/a
S95T003788		Z	Sodium -ICP-Fusion	ug/g	98.00	1.43e-01	2.08e+05	2.060e5	2.070e5	0.97	109.2	1.980e3	n/a
S95T003788		Z	Nickel -ICP-Fusion	ug/g	102.6	<2.000e-2	2.69e+03	2.500e3	2.600e3	7.32	98.70	397.0	n/a
S95T003788		Z	Phosphorus -ICP-Fusion	ug/g	102.8	<2.000e-1	<3.97e+03	<3.97e3	n/a	n/a	121.5	3.970e3	n/a
S95T003788		Z	Silicon -ICP-Fusion	ug/g	97.60	<5.000e-2	<9.92e+02	1.100e3	n/a	n/a	100.3	992.0	n/a
S95T003788		Z	Uranium -ICP-Fusion	ug/g	90.40	<5.000e-1	<9.92e+03	<9.92e3	n/a	n/a	110.4	9.920e3	n/a
S95T003793		A	Silver -ICP-Acid Digest	ug/g	91.70	<1.000e-2	16.20	1.630e1	1.625e1	0.62	n/a	4.600	n/a
S95T003793		A	Aluminium -ICP-Acid Digest	ug/g	97.40	1.40e-01	2.33e+04	2.710e4	2.520e4	15.1	n/a	23.00	n/a
S95T003793		A	Arsenic -ICP-Acid Digest	ug/g	96.00	<1.000e-1	< 46.00	<4.66e1	n/a	n/a	n/a	46.00	n/a
S95T003793		A	Boron -ICP-Acid Digest	ug/g	104.0	5.81e-01	24.40	3.960e1	3.200e1	47.5	n/a	23.00	n/a
S95T003793		A	Barium -ICP-Acid Digest	ug/g	94.20	<5.000e-2	87.00	1.060e2	9.650e1	19.7	n/a	23.00	n/a
S95T003793		A	Beryllium -ICP-Acid Digest	ug/g	107.8	<5.000e-3	< 2.300	<2.33e0	n/a	n/a	n/a	2.300	n/a
S95T003793		A	Bismuth -ICP-Acid Digest	ug/g	92.00	<1.000e-1	4.23e+02	5.140e2	4.685e2	19.4	n/a	46.00	n/a
S95T003793		A	Calcium -ICP-Acid Digest	ug/g	96.80	<1.000e-1	2.30e+03	2.720e3	2.510e3	16.7	n/a	46.00	n/a
S95T003793		A	Cadmium -ICP-Acid Digest	ug/g	93.20	<5.000e-3	17.10	2.150e1	1.930e1	22.8	n/a	2.300	n/a
S95T003793		A	Cerium -ICP-Acid Digest	ug/g	98.00	<1.000e-1	< 46.00	<4.66e1	n/a	n/a	n/a	46.00	n/a
S95T003793		A	Cobalt -ICP-Acid Digest	ug/g	94.60	<2.000e-2	12.50	1.530e1	1.390e1	20.1	n/a	9.210	n/a
S95T003793		A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	3.12e+03	3.560e3	3.340e3	13.2	n/a	4.600	n/a
S95T003793		A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	5.350	<4.66e0	n/a	n/a	n/a	4.600	n/a
S95T003793		A	Iron -ICP-Acid Digest	ug/g	94.60	<5.000e-2	7.70e+03	9.250e3	8.480e3	18.3	n/a	23.00	n/a
S95T003793		A	Potassium -ICP-Acid Digest	ug/g	95.40	<5.000e-1	2.84e+03	3.270e3	3.060e3	14.1	n/a	230.0	n/a
S95T003793		A	Lanthanum -ICP-Acid Digest	ug/g	96.60	<5.000e-2	< 23.00	2.590e1	n/a	n/a	n/a	23.00	n/a
S95T003793		A	Lithium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	< 4.600	<4.66e0	n/a	n/a	n/a	4.600	n/a
S95T003793		A	Magnesium -ICP-Acid Digest	ug/g	91.60	<1.000e-1	2.54e+02	3.040e2	2.790e2	17.9	n/a	46.00	n/a
S95T003793		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	1.14e+02	1.370e2	1.255e2	18.3	n/a	4.600	n/a
S95T003793		A	Molybdenum -ICP-Acid Digest	ug/g	94.60	<5.000e-2	23.40	2.710e1	2.525e1	14.7	n/a	23.00	n/a
S95T003793		A	Sodium -ICP-Acid Digest	ug/g	110.0	7.62e-01	1.91e+05	1.800e5	1.860e5	5.93	n/a	46.00	n/a
S95T003793		A	Neodymium -ICP-Acid Digest	ug/g	94.00	<1.000e-1	< 46.00	<4.66e1	n/a	n/a	n/a	46.00	n/a
S95T003793		A	Nickel -ICP-Acid Digest	ug/g	93.80	<2.000e-2	2.05e+03	2.460e3	2.260e3	18.2	n/a	9.210	n/a
S95T003793		A	Phosphorus -ICP-Acid Digest	ug/g	94.60	<2.000e-1	3.62e+03	3.650e3	3.640e3	0.83	n/a	92.00	n/a
S95T003793		A	Lead -ICP-Acid Digest	ug/g	92.00	<1.000e-1	3.21e+02	3.830e2	3.520e2	17.6	n/a	46.00	n/a
S95T003793		A	Sulfur -ICP-Acid Digest	ug/g	91.20	<1.000e-1	4.79e+03	4.830e3	4.810e3	0.83	n/a	46.00	n/a
S95T003793		A	Antimony -ICP-Acid Digest	ug/g	88.00	<6.000e-2	< 27.60	<2.80e1	n/a	n/a	n/a	27.60	n/a
S95T003793		A	Selenium -ICP-Acid Digest	ug/g	94.40	<1.000e-1	< 46.00	<4.66e1	n/a	n/a	n/a	46.00	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003793		A	Silicon -ICP-Acid Digest	ug/g	170.6	1.64e-01	5.07e+02	5.980e2	5.525e2	16.5	n/a	23.00	n/a
S95T003793		A	Samarium -ICP-Acid Digest	ug/g	94.40	<1.000e-1	< 46.00	<4.66e1	n/a	n/a	n/a	46.00	n/a
S95T003793		A	Strontium -ICP-Acid Digest	ug/g	95.00	<1.000e-2	4.28e+03	5.210e3	4.740e3	19.6	n/a	4.600	n/a
S95T003793		A	Titanium-ICP-Acid Digest	ug/g	93.00	<1.000e-2	15.00	1.800e1	1.650e1	18.2	n/a	4.600	n/a
S95T003793		A	Thallium -ICP-Acid Digest	ug/g	90.80	<2.000e-1	< 92.00	<9.32e1	n/a	n/a	n/a	92.00	n/a
S95T003793		A	Uranium -ICP-Acid Digest	ug/g	90.60	<5.000e-1	5.30e+03	6.460e3	5.880e3	19.7	n/a	230.0	n/a
S95T003793		A	Vanadium -ICP-Acid Digest	ug/g	92.60	<5.000e-2	< 23.00	<2.33e1	n/a	n/a	n/a	23.00	n/a
S95T003793		A	Zinc -ICP-Acid Digest	ug/g	89.60	1.10e-02	55.40	6.440e1	5.990e1	15.0	n/a	4.600	n/a
S95T003793		A	Zirconium -ICP-Acid Digest	ug/g	93.20	<1.000e-2	19.40	2.250e1	2.095e1	14.8	n/a	4.600	n/a
S95T003798		W	Silver -ICP-H20 Dig/Acid	ug/g	100.0	<1.000e-2	< 9.500	<9.62e0	n/a	n/a	67.20	9.500	n/a
S95T003798		W	Aluminium -ICP-H20 Dig/Acid	ug/g	100.2	<5.000e-2	3.27e+04	3.010e4	3.140e4	8.28	100.1	47.50	n/a
S95T003798		W	Arsenic -ICP-H20 Dig/Acid	ug/g	103.8	<1.000e-1	< 95.00	<9.62e1	n/a	n/a	105.0	95.00	n/a
S95T003798		W	Boron -ICP-H20 Dig/Acid	ug/g	101.6	<5.000e-2	< 47.50	<4.81e1	n/a	n/a	102.0	47.50	n/a
S95T003798		W	Barium -ICP-H20 Dig/Acid	ug/g	100.4	<5.000e-2	< 47.50	<4.81e1	n/a	n/a	100.6	47.50	n/a
S95T003798		W	Beryllium -ICP-H20 Dig/Acid	ug/g	104.4	<5.000e-3	< 4.750	<4.81e0	n/a	n/a	103.8	4.750	n/a
S95T003798		W	Bismuth -ICP-H20 Dig/Acid	ug/g	101.4	<1.000e-1	< 95.00	<9.62e1	n/a	n/a	100.2	95.00	n/a
S95T003798		W	Calcium -ICP-H20 Dig/Acid	ug/g	100.0	<1.000e-1	< 95.00	<9.62e1	n/a	n/a	99.80	95.00	n/a
S95T003798		W	Cadmium -ICP-H20 Dig/Acid	ug/g	102.2	<5.000e-3	< 4.750	<4.81e0	n/a	n/a	102.2	4.750	n/a
S95T003798		W	Cerium -ICP-H20 Dig/Acid	ug/g	103.4	<1.000e-1	< 95.00	<9.62e1	n/a	n/a	102.0	95.00	n/a
S95T003798		W	Cobalt -ICP-H20 Dig/Acid	ug/g	104.2	<2.000e-2	< 19.00	<1.92e1	n/a	n/a	103.8	19.00	n/a
S95T003798		W	Chromium -ICP-H20 Dig/Acid	ug/g	103.2	<1.000e-2	79.10	7.880e1	7.895e1	0.38	104.1	9.500	n/a
S95T003798		W	Copper -ICP-H20 Dig/Acid	ug/g	101.0	<1.000e-2	< 9.500	<9.62e0	n/a	n/a	101.8	9.500	n/a
S95T003798		W	Iron -ICP-H20 Dig/Acid	ug/g	100.4	<5.000e-2	< 47.50	<4.81e1	n/a	n/a	102.8	47.50	n/a
S95T003798		W	Potassium -ICP-H20 Dig/Acid	ug/g	101.0	<5.000e-1	3.82e+03	3.550e3	3.680e3	7.33	104.0	475.0	n/a
S95T003798		W	Lanthanum -ICP-H20 Dig/Acid	ug/g	99.80	<5.000e-2	< 47.50	<4.81e1	n/a	n/a	101.6	47.50	n/a
S95T003798		W	Lithium -ICP-H20 Dig/Acid	ug/g	101.0	<1.000e-2	< 9.500	<9.62e0	n/a	n/a	97.20	9.500	n/a
S95T003798		W	Magnesium -ICP-H20 Dig/Acid	ug/g	101.0	<1.000e-1	< 95.00	<9.62e1	n/a	n/a	100.4	95.00	n/a
S95T003798		W	Manganese -ICP-H20 Dig/Acid	ug/g	101.8	<1.000e-2	< 9.500	<9.62e0	n/a	n/a	102.2	9.500	n/a
S95T003798		W	Molybdenum -ICP-H20 Dig/Acid	ug/g	103.8	<5.000e-2	< 47.50	<4.81e1	n/a	n/a	106.8	47.50	n/a
S95T003798		W	Sodium -ICP-H20 Dig/Acid	ug/g	100.4	1.84e-01	2.11e+05	2.080e5	2.100e5	1.43	28.20	95.00	n/a
S95T003798		W	Neodymium -ICP-H20 Dig/Acid	ug/g	98.80	<1.000e-1	< 95.00	<9.62e1	n/a	n/a	100.8	95.00	n/a
S95T003798		W	Nickel -ICP-H20 Dig/Acid	ug/g	102.2	<2.000e-2	< 19.00	<1.92e1	n/a	n/a	103.2	19.00	n/a
S95T003798		W	Phosphorus -ICP-H20 Dig/Acid	ug/g	103.2	<2.000e-1	1.52e+03	2.090e3	1.800e3	31.6	97.50	190.0	n/a
S95T003798		W	Lead -ICP-H20 Dig/Acid	ug/g	102.6	<1.000e-1	< 95.00	<9.62e1	n/a	n/a	102.2	95.00	n/a
S95T003798		W	Sulfur -ICP-H20 Dig/Acid	ug/g	102.6	<1.000e-1	5.73e+03	5.540e3	5.640e3	3.37	102.7	95.00	n/a
S95T003798		W	Antimony -ICP-H20 Dig/Acid	ug/g	93.80	<6.000e-2	< 57.00	<5.77e1	n/a	n/a	98.60	57.00	n/a
S95T003798		W	Selenium -ICP-H20 Dig/Acid	ug/g	101.2	<1.000e-1	< 95.00	<9.62e1	n/a	n/a	95.80	95.00	n/a
S95T003798		W	Silicon -ICP-H20 Dig/Acid	ug/g	95.80	<5.000e-2	1.10e+02	<4.81e1	n/a	n/a	98.80	47.50	n/a
S95T003798		W	Samarium -ICP-H20 Dig/Acid	ug/g	100.4	<1.000e-1	< 95.00	<9.62e1	n/a	n/a	102.4	95.00	n/a
S95T003798		W	Strontium -ICP-H20 Dig/Acid	ug/g	100.4	<1.000e-2	< 9.500	<9.62e0	n/a	n/a	100.8	9.500	n/a
S95T003798		W	Titanium-ICP-H20 Dig/Acid	ug/g	99.60	<1.000e-2	< 9.500	<9.62e0	n/a	n/a	100.0	9.500	n/a
S95T003798		W	Thallium -ICP-H20 Dig/Acid	ug/g	97.20	<2.000e-1	<1.90e+02	<1.92e2	n/a	n/a	99.20	190.0	n/a
S95T003798		W	Uranium -ICP-H20 Dig/Acid	ug/g	94.40	<5.000e-1	<4.75e+02	<4.81e2	n/a	n/a	104.0	475.0	n/a
S95T003798		W	Vanadium -ICP-H20 Dig/Acid	ug/g	102.8	<5.000e-2	< 47.50	<4.81e1	n/a	n/a	103.4	47.50	n/a
S95T003798		W	Zinc -ICP-H20 Dig/Acid	ug/g	104.4	<1.000e-2	< 9.500	<9.62e0	n/a	n/a	104.8	9.500	n/a
S95T003798		W	Zirconium -ICP-H20 Dig/Acid	ug/g	99.60	<1.000e-2	< 9.500	<9.62e0	n/a	n/a	100.4	9.500	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 4

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003812		Z	Aluminium -ICP-Fusion	ug/g	99.40	<5.000e-2	1.47e+04	1.530e4	1.500e4	4.00	92.90	989.0	n/a
S95T003812		Z	Bismuth -ICP-Fusion	ug/g	99.20	<1.000e-1	<1.98e+03	<2.02e3	n/a	n/a	97.80	1.980e3	n/a
S95T003812		Z	Calcium -ICP-Fusion	ug/g	99.00	<1.000e-1	<1.98e+03	<2.02e3	n/a	n/a	104.9	1.980e3	n/a
S95T003812		Z	Chromium -ICP-Fusion	ug/g	101.0	<1.000e-2	2.01e+03	2.020e3	2.020e3	0.50	99.20	198.0	n/a
S95T003812		Z	Iron -ICP-Fusion	ug/g	99.80	<5.000e-2	2.17e+03	2.130e3	2.150e3	1.86	99.50	989.0	n/a
S95T003812		Z	Lithium -ICP-Fusion	ug/g	100.8	<1.000e-2	<1.98e+02	<2.02e2	n/a	n/a	96.40	198.0	n/a
S95T003812		Z	Manganese -ICP-Fusion	ug/g	100.0	<1.000e-2	<1.98e+02	<2.02e2	n/a	n/a	100.0	198.0	n/a
S95T003812		Z	Sodium -ICP-Fusion	ug/g	100.0	1.76e-01	2.56e+05	2.490e5	2.520e5	2.77	40.10	1.980e3	n/a
S95T003812		Z	Nickel -ICP-Fusion	ug/g	100.0	2.59e-01	4.01e+03	5.100e3	4.560e3	23.9	101.0	396.0	n/a
S95T003812		Z	Phosphorus -ICP-Fusion	ug/g	101.4	<2.000e-1	<3.96e+03	<4.03e3	n/a	n/a	106.6	3.960e3	n/a
S95T003812		Z	Silicon -ICP-Fusion	ug/g	95.40	<5.000e-2	<9.89e+02	<1.01e3	n/a	n/a	99.30	989.0	n/a
S95T003812		Z	Uranium -ICP-Fusion	ug/g	95.50	<5.000e-1	<9.89e+03	<1.01e4	n/a	n/a	70.50	9.890e3	n/a

ICP Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 5

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003789		Z	Aluminium -ICP-Fusion	ug/g	99.60	<5.000e-2	1.87e+04	1.950e4	1.910e4	4.19	99.50	1.020e3	n/a
S95T003789		Z	Bismuth -ICP-Fusion	ug/g	101.2	<1.000e-1	<2.03e+03	<2.03e3	n/a	n/a	98.30	2.030e3	n/a
S95T003789		Z	Calcium -ICP-Fusion	ug/g	101.2	<1.000e-1	<2.03e+03	<2.03e3	n/a	n/a	96.40	2.030e3	n/a
S95T003789		Z	Chromium -ICP-Fusion	ug/g	103.8	<1.000e-2	1.36e+03	1.470e3	1.420e3	7.77	100.2	203.0	n/a
S95T003789		Z	Iron -ICP-Fusion	ug/g	102.4	<5.000e-2	<1.02e+03	<1.02e3	n/a	n/a	101.7	1.020e3	n/a
S95T003789		Z	Lithium -ICP-Fusion	ug/g	99.40	<1.000e-2	<2.03e+02	<2.03e2	n/a	n/a	91.00	203.0	n/a
S95T003789		Z	Manganese -ICP-Fusion	ug/g	102.2	<1.000e-2	<2.03e+02	<2.03e2	n/a	n/a	99.30	203.0	n/a
S95T003789		Z	Sodium -ICP-Fusion	ug/g	98.00	1.43e-01	2.32e+05	2.300e5	2.310e5	0.87	105.2	2.030e3	n/a
S95T003789		Z	Nickel -ICP-Fusion	ug/g	102.6	<2.000e-2	<4.07e+02	<4.07e2	n/a	n/a	99.30	407.0	n/a
S95T003789		Z	Phosphorus -ICP-Fusion	ug/g	102.8	<2.000e-1	<4.07e+03	<4.07e3	n/a	n/a	103.9	4.070e3	n/a
S95T003789		Z	Silicon -ICP-Fusion	ug/g	97.60	<5.000e-2	<1.02e+03	<1.02e3	n/a	n/a	98.10	1.020e3	n/a
S95T003789		Z	Uranium -ICP-Fusion	ug/g	90.40	<5.000e-1	<1.02e+04	<1.02e4	n/a	n/a	95.15	1.020e4	n/a
S95T003794		A	Silver -ICP-Acid Digest	ug/g	91.70	<1.000e-2	18.80	1.860e1	1.870e1	1.07	n/a	4.930	n/a
S95T003794		A	Aluminium -ICP-Acid Digest	ug/g	97.40	1.40e-01	1.76e+04	1.880e4	1.820e4	6.59	n/a	24.60	n/a
S95T003794		A	Arsenic -ICP-Acid Digest	ug/g	96.00	<1.000e-1	< 49.30	<4.83e1	n/a	n/a	n/a	49.30	n/a
S95T003794		A	Boron -ICP-Acid Digest	ug/g	104.0	5.81e-01	39.30	<2.41e1	n/a	n/a	n/a	24.60	n/a
S95T003794		A	Barium -ICP-Acid Digest	ug/g	94.20	<5.000e-2	< 24.60	<2.41e1	n/a	n/a	n/a	24.60	n/a
S95T003794		A	Beryllium -ICP-Acid Digest	ug/g	107.8	<5.000e-3	< 2.460	<2.41e0	n/a	n/a	n/a	2.460	n/a
S95T003794		A	Bismuth -ICP-Acid Digest	ug/g	92.00	<1.000e-1	< 49.30	<4.83e1	n/a	n/a	n/a	49.30	n/a
S95T003794		A	Calcium -ICP-Acid Digest	ug/g	96.80	<1.000e-1	2.46e+02	2.480e2	2.470e2	0.81	n/a	49.30	n/a
S95T003794		A	Cadmium -ICP-Acid Digest	ug/g	93.20	<5.000e-3	3.190	3.100e0	3.145e0	2.86	n/a	2.460	n/a
S95T003794		A	Cerium -ICP-Acid Digest	ug/g	98.00	<1.000e-1	< 49.30	<4.83e1	n/a	n/a	n/a	49.30	n/a
S95T003794		A	Cobalt -ICP-Acid Digest	ug/g	94.60	<2.000e-2	< 9.860	<9.65e0	n/a	n/a	n/a	9.860	n/a
S95T003794		A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	8.85e+02	8.240e2	8.545e2	7.14	n/a	4.930	n/a
S95T003794		A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	< 4.930	<4.83e0	n/a	n/a	n/a	4.930	n/a
S95T003794		A	Iron -ICP-Acid Digest	ug/g	94.60	<5.000e-2	7.08e+02	7.520e2	7.300e2	6.03	n/a	24.60	n/a
S95T003794		A	Potassium -ICP-Acid Digest	ug/g	95.40	<5.000e-1	1.97e+03	2.020e3	2.000e3	2.51	n/a	246.0	n/a
S95T003794		A	Lanthanum -ICP-Acid Digest	ug/g	96.60	<5.000e-2	< 24.60	<2.41e1	n/a	n/a	n/a	24.60	n/a
S95T003794		A	Lithium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	< 4.930	<4.83e0	n/a	n/a	n/a	4.930	n/a
S95T003794		A	Magnesium -ICP-Acid Digest	ug/g	91.60	<1.000e-1	< 49.30	<4.83e1	n/a	n/a	n/a	49.30	n/a
S95T003794		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	42.50	4.400e1	4.325e1	3.47	n/a	4.930	n/a
S95T003794		A	Molybdenum -ICP-Acid Digest	ug/g	94.60	<5.000e-2	< 24.60	<2.41e1	n/a	n/a	n/a	24.60	n/a
S95T003794		A	Sodium -ICP-Acid Digest	ug/g	110.0	7.62e-01	2.07e+05	1.920e5	2.000e5	7.52	n/a	49.30	n/a
S95T003794		A	Neodymium -ICP-Acid Digest	ug/g	94.00	<1.000e-1	< 49.30	<4.83e1	n/a	n/a	n/a	49.30	n/a
S95T003794		A	Nickel -ICP-Acid Digest	ug/g	93.80	<2.000e-2	1.84e+02	2.070e2	1.955e2	11.8	n/a	9.860	n/a
S95T003794		A	Phosphorus -ICP-Acid Digest	ug/g	94.60	<2.000e-1	1.42e+03	1.690e3	1.560e3	17.4	n/a	98.60	n/a
S95T003794		A	Lead -ICP-Acid Digest	ug/g	92.00	<1.000e-1	57.50	5.560e1	5.655e1	3.36	n/a	49.30	n/a
S95T003794		A	Sulfur -ICP-Acid Digest	ug/g	91.20	<1.000e-1	2.52e+03	2.480e3	2.500e3	1.60	n/a	49.30	n/a
S95T003794		A	Antimony -ICP-Acid Digest	ug/g	88.00	<6.000e-2	< 29.60	<2.82e1	n/a	n/a	n/a	29.60	n/a
S95T003794		A	Selenium -ICP-Acid Digest	ug/g	94.40	<1.000e-1	< 49.30	<4.83e1	n/a	n/a	n/a	49.30	n/a
S95T003794		A	Silicon -ICP-Acid Digest	ug/g	170.6	1.64e-01	1.71e+02	1.960e2	1.835e2	13.6	n/a	24.60	n/a
S95T003794		A	Samarium -ICP-Acid Digest	ug/g	94.40	<1.000e-1	< 49.30	<4.83e1	n/a	n/a	n/a	49.30	n/a
S95T003794		A	Strontium -ICP-Acid Digest	ug/g	95.00	<1.000e-2	2.88e+02	3.170e2	3.025e2	9.59	n/a	4.930	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003794		A	Titanium-ICP-Acid Digest	ug/g	93.00	<1.000e-2	< 4.930	<4.83e0	n/a	n/a	n/a	4.930	n/a
S95T003794		A	Thallium -ICP-Acid Digest	ug/g	90.80	<2.000e-1	< 98.60	<9.65e1	n/a	n/a	n/a	98.60	n/a
S95T003794		A	Uranium -ICP-Acid Digest	ug/g	90.60	<5.000e-1	4.16e+02	4.520e2	4.340e2	8.29	n/a	246.0	n/a
S95T003794		A	Vanadium -ICP-Acid Digest	ug/g	92.60	<5.000e-2	< 24.60	<2.41e1	n/a	n/a	n/a	24.60	n/a
S95T003794		A	Zinc -ICP-Acid Digest	ug/g	89.60	1.10e-02	21.10	1.610e1	1.860e1	26.9	n/a	4.930	n/a
S95T003794		A	Zirconium -ICP-Acid Digest	ug/g	93.20	<1.000e-2	< 4.930	<4.83e0	n/a	n/a	n/a	4.930	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003790		Z	Aluminium -ICP-Fusion	ug/g	99.60	<5.000e-2	2.37e+04	2.280e4	2.320e4	3.87	97.00	956.0	n/a
S95T003790		Z	Bismuth -ICP-Fusion	ug/g	101.2	<1.000e-1	<1.91e+03	<1.91e3	n/a	n/a	98.60	1.910e3	n/a
S95T003790		Z	Calcium -ICP-Fusion	ug/g	101.2	<1.000e-1	<1.91e+03	<1.91e3	n/a	n/a	97.10	1.910e3	n/a
S95T003790		Z	Chromium -ICP-Fusion	ug/g	103.8	<1.000e-2	1.69e+03	1.800e3	1.740e3	6.30	100.2	191.0	n/a
S95T003790		Z	Iron -ICP-Fusion	ug/g	102.4	<5.000e-2	1.19e+03	1.120e3	1.160e3	6.06	98.20	956.0	n/a
S95T003790		Z	Lithium -ICP-Fusion	ug/g	99.40	<1.000e-2	<1.91e+02	<1.91e2	n/a	n/a	92.50	191.0	n/a
S95T003790		Z	Manganese -ICP-Fusion	ug/g	102.2	<1.000e-2	<1.91e+02	<1.91e2	n/a	n/a	99.10	191.0	n/a
S95T003790		Z	Sodium -ICP-Fusion	ug/g	98.00	1.43e-01	2.30e+05	2.250e5	2.280e5	2.20	100.5	1.910e3	n/a
S95T003790		Z	Nickel -ICP-Fusion	ug/g	102.6	<2.000e-2	<3.82e+02	<3.82e2	n/a	n/a	99.60	382.0	n/a
S95T003790		Z	Phosphorus -ICP-Fusion	ug/g	102.8	<2.000e-1	<3.82e+03	<3.82e3	n/a	n/a	99.30	3.820e3	n/a
S95T003790		Z	Silicon -ICP-Fusion	ug/g	97.60	<5.000e-2	<9.56e+02	<9.56e2	n/a	n/a	97.80	956.0	n/a
S95T003790		Z	Uranium -ICP-Fusion	ug/g	90.40	<5.000e-1	<9.56e+03	<9.56e3	n/a	n/a	93.70	9.560e3	n/a
S95T003795		A	Silver -ICP-Acid Digest	ug/g	91.70	<1.000e-2	20.90	1.900e1	1.995e1	9.52	n/a	4.710	n/a
S95T003795		A	Aluminium -ICP-Acid Digest	ug/g	97.40	1.40e-01	2.14e+04	2.170e4	2.160e4	1.39	n/a	23.50	n/a
S95T003795		A	Arsenic -ICP-Acid Digest	ug/g	96.00	<1.000e-1	< 47.10	<4.86e1	n/a	n/a	n/a	47.10	n/a
S95T003795		A	Boron -ICP-Acid Digest	ug/g	104.0	5.81e-01	90.80	<2.43e1	n/a	n/a	n/a	23.50	n/a
S95T003795		A	Barium -ICP-Acid Digest	ug/g	94.20	<5.000e-2	< 23.50	<2.43e1	n/a	n/a	n/a	23.50	n/a
S95T003795		A	Beryllium -ICP-Acid Digest	ug/g	107.8	<5.000e-3	< 2.350	<2.43e0	n/a	n/a	n/a	2.350	n/a
S95T003795		A	Bismuth -ICP-Acid Digest	ug/g	92.00	<1.000e-1	71.00	6.310e1	6.705e1	11.8	n/a	47.10	n/a
S95T003795		A	Calcium -ICP-Acid Digest	ug/g	96.80	<1.000e-1	3.57e+02	3.010e2	3.290e2	17.0	n/a	47.10	n/a
S95T003795		A	Cadmium -ICP-Acid Digest	ug/g	93.20	<5.000e-3	4.610	3.990e0	4.300e0	14.4	n/a	2.350	n/a
S95T003795		A	Cerium -ICP-Acid Digest	ug/g	98.00	<1.000e-1	< 47.10	<4.86e1	n/a	n/a	n/a	47.10	n/a
S95T003795		A	Cobalt -ICP-Acid Digest	ug/g	94.60	<2.000e-2	10.80	<9.72e0	n/a	n/a	n/a	9.410	n/a
S95T003795		A	Chromium -ICP-Acid Digest	ug/g	95.20	<1.000e-2	1.21e+03	9.560e2	1.080e3	23.5	n/a	4.710	n/a
S95T003795		A	Copper -ICP-Acid Digest	ug/g	94.40	<1.000e-2	5.580	<4.86e0	n/a	n/a	n/a	4.710	n/a
S95T003795		A	Iron -ICP-Acid Digest	ug/g	94.60	<5.000e-2	1.12e+03	1.000e3	1.060e3	11.3	n/a	23.50	n/a
S95T003795		A	Potassium -ICP-Acid Digest	ug/g	95.40	<5.000e-1	2.29e+03	2.350e3	2.320e3	2.59	n/a	235.0	n/a
S95T003795		A	Lanthanum -ICP-Acid Digest	ug/g	96.60	<5.000e-2	< 23.50	<2.43e1	n/a	n/a	n/a	23.50	n/a
S95T003795		A	Lithium -ICP-Acid Digest	ug/g	96.80	<1.000e-2	< 4.710	<4.86e0	n/a	n/a	n/a	4.710	n/a
S95T003795		A	Magnesium -ICP-Acid Digest	ug/g	91.60	<1.000e-1	< 47.10	<4.86e1	n/a	n/a	n/a	47.10	n/a
S95T003795		A	Manganese -ICP-Acid Digest	ug/g	93.00	<1.000e-2	60.30	5.220e1	5.625e1	14.4	n/a	4.710	n/a
S95T003795		A	Molybdenum -ICP-Acid Digest	ug/g	94.60	<5.000e-2	< 23.50	<2.43e1	n/a	n/a	n/a	23.50	n/a
S95T003795		A	Sodium -ICP-Acid Digest	ug/g	110.0	7.62e-01	2.13e+05	2.000e5	2.060e5	6.30	n/a	47.10	n/a
S95T003795		A	Neodymium -ICP-Acid Digest	ug/g	94.00	<1.000e-1	< 47.10	<4.86e1	n/a	n/a	n/a	47.10	n/a
S95T003795		A	Nickel -ICP-Acid Digest	ug/g	93.80	<2.000e-2	3.03e+02	2.700e2	2.865e2	11.5	n/a	9.410	n/a
S95T003795		A	Phosphorus -ICP-Acid Digest	ug/g	94.60	<2.000e-1	7.05e+02	6.090e2	6.570e2	14.6	n/a	94.10	n/a
S95T003795		A	Lead -ICP-Acid Digest	ug/g	92.00	<1.000e-1	79.60	7.710e1	7.835e1	3.19	n/a	47.10	n/a
S95T003795		A	Sulfur -ICP-Acid Digest	ug/g	91.20	<1.000e-1	3.47e+03	3.130e3	3.300e3	10.3	n/a	47.10	n/a
S95T003795		A	Antimony -ICP-Acid Digest	ug/g	88.00	<6.000e-2	< 28.20	<2.92e1	n/a	n/a	n/a	28.20	n/a
S95T003795		A	Selenium -ICP-Acid Digest	ug/g	94.40	<1.000e-1	< 47.10	<4.86e1	n/a	n/a	n/a	47.10	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003795		A	Silicon -ICP-Acid Digest	ug/g	170.6	1.64e-01	2.07e+02	2.160e2	2.115e2	4.26	n/a	23.50	n/a
S95T003795		A	Samarium -ICP-Acid Digest	ug/g	94.40	<1.000e-1	< 47.10	<4.86e1	n/a	n/a	n/a	47.10	n/a
S95T003795		A	Strontium -ICP-Acid Digest	ug/g	95.00	<1.000e-2	4.88e+02	4.610e2	4.745e2	5.69	n/a	4.710	n/a
S95T003795		A	Titanium-ICP-Acid Digest	ug/g	93.00	<1.000e-2	< 4.710	<4.86e0	n/a	n/a	n/a	4.710	n/a
S95T003795		A	Thallium -ICP-Acid Digest	ug/g	90.80	<2.000e-1	< 94.10	<9.72e1	n/a	n/a	n/a	94.10	n/a
S95T003795		A	Uranium -ICP-Acid Digest	ug/g	90.60	<5.000e-1	6.55e+02	6.000e2	6.275e2	8.76	n/a	235.0	n/a
S95T003795		A	Vanadium -ICP-Acid Digest	ug/g	92.60	<5.000e-2	< 23.50	<2.43e1	n/a	n/a	n/a	23.50	n/a
S95T003795		A	Zinc -ICP-Acid Digest	ug/g	89.60	1.10e-02	22.00	2.110e1	2.155e1	4.18	n/a	4.710	n/a
S95T003795		A	Zirconium -ICP-Acid Digest	ug/g	93.20	<1.000e-2	< 4.710	<4.86e0	n/a	n/a	n/a	4.710	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 2

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003534		W	Bromide by Ion Chromatograph	ug/g	100.0	<1.260e-1	<9.14e+02	<8.77e2	n/a	n/a	99.13	914.3	n/a
S95T003534		W	Chloride-IC-Dionex 4000i/4500	ug/g	95.70	<1.700e-2	2.25e+03	1.830e3	2.040e3	20.6	92.11	123.4	n/a
S95T003534		W	Fluoride-IC-Dionex 4000i/4500	ug/g	100.7	<1.300e-2	1.48e+04	1.340e4	1.410e4	9.93	89.70	94.34	n/a
S95T003534		W	Nitrite-IC - Dionex 4000i/4500	ug/g	101.5	<1.070e-1	3.41e+04	2.730e4	3.070e4	22.1	107.7	776.5	n/a
S95T003534		W	Nitrate by IC-Dionex4000i/4500	ug/g	99.84	<1.400e-1	7.79e+04	5.530e4	6.660e4	33.9	99.36	1.020e3	n/a
S95T003534		W	Oxalate by IC - Dionex 4000i	ug/g	103.7	<1.050e-1	6.10e+04	5.010e4	5.550e4	19.6	99.54	761.9	n/a
S95T003534		W	Phosphate-IC-Dionex 4000i/4500	ug/g	98.53	<1.190e-1	1.73e+04	2.950e4	2.340e4	52.1	93.57	870.1	n/a
S95T003534		W	Sulfate by IC-Dionex4000i/4500	ug/g	99.84	<1.360e-1	5.46e+04	3.960e4	4.710e4	31.8	94.84	986.2	n/a

U Upper Half of Segment: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003536		W	Bromide by Ion Chromatograph	ug/g	96.00	<1.260e-1	<9.60e+02	<9.93e2	n/a	n/a	n/a	959.9	n/a
S95T003536		W	Chloride-IC-Dionex 4000i/4500	ug/g	96.20	2.60e-02	4.42e+02	4.750e2	4.584e2	7.20	n/a	129.5	n/a
S95T003536		W	Fluoride-IC-Dionex 4000i/4500	ug/g	94.92	<1.300e-2	5.81e+03	6.710e3	6.260e3	14.4	n/a	99.02	n/a
S95T003536		W	Nitrite-IC - Dionex 4000i/4500	ug/g	95.88	<1.070e-1	5.77e+03	5.930e3	5.850e3	2.74	n/a	815.1	n/a
S95T003536		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.25	2.28e-01	3.87e+05	4.320e5	4.100e5	11.0	n/a	1.070e3	n/a
S95T003536		W	Oxalate by IC - Dionex 4000i	ug/g	99.81	<1.050e-1	4.28e+03	4.330e3	4.300e3	1.16	n/a	799.9	n/a
S95T003536		W	Phosphate-IC-Dionex 4000i/4500	ug/g	97.44	<1.190e-1	4.88e+04	5.720e4	5.300e4	15.8	n/a	913.4	n/a
S95T003536		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.31	<1.360e-1	4.70e+03	4.610e3	4.660e3	1.93	n/a	1.040e3	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 3

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003705		W	Bromide by Ion Chromatograph	ug/g	95.30	<1.260e-1	<1.09e+03	<1.08e3	n/a	n/a	n/a	1.090e3	n/a
S95T003705		W	Chloride-IC-Dionex 4000i/4500	ug/g	95.32	<1.700e-2	6.61e+02	5.810e2	6.210e2	12.9	n/a	291.8	n/a
S95T003705		W	Fluoride-IC-Dionex 4000i/4500	ug/g	99.83	<1.300e-2	7.71e+03	6.530e3	7.120e3	16.6	n/a	223.1	n/a
S95T003705		W	Nitrite-IC - Dionex 4000i/4500	ug/g	95.56	<1.070e-1	1.44e+04	1.390e4	1.420e4	3.53	n/a	1.840e3	n/a
S95T003705		W	Nitrate by IC-Dionex4000i/4500	ug/g	97.56	<1.400e-1	3.53e+05	3.870e5	3.700e5	9.19	n/a	2.400e3	n/a
S95T003705		W	Oxalate by IC - Dionex 4000i	ug/g	103.5	<1.050e-1	1.11e+04	1.040e4	1.080e4	6.51	n/a	1.800e3	n/a
S95T003705		W	Phosphate-IC-Dionex 4000i/4500	ug/g	97.62	<1.190e-1	4.13e+04	3.300e4	3.720e4	22.3	n/a	2.040e3	n/a
S95T003705		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.78	<1.360e-1	1.52e+04	1.370e4	1.450e4	10.4	n/a	2.340e3	n/a

L Lower Half of Segment: L Lower Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003704		W	Bromide by Ion Chromatograph	ug/g	95.30	<1.260e-1	<1.22e+03	<1.24e3	n/a	n/a	n/a	1.220e3	n/a
S95T003704		W	Chloride-IC-Dionex 4000i/4500	ug/g	95.32	<1.700e-2	5.98e+02	1.040e3	8.189e2	54.0	n/a	325.2	n/a
S95T003704		W	Fluoride-IC-Dionex 4000i/4500	ug/g	99.83	<1.300e-2	7.93e+03	7.520e3	7.720e3	5.31	n/a	248.7	n/a
S95T003704		W	Nitrite-IC - Dionex 4000i/4500	ug/g	95.56	<1.070e-1	1.51e+04	1.500e4	1.510e4	0.66	n/a	2.050e3	n/a
S95T003704		W	Nitrate by IC-Dionex4000i/4500	ug/g	97.56	<1.400e-1	4.09e+05	4.040e5	4.070e5	1.23	n/a	2.680e3	n/a
S95T003704		W	Oxalate by IC - Dionex 4000i	ug/g	103.5	<1.050e-1	1.68e+04	1.720e4	1.700e4	2.35	n/a	2.010e3	n/a
S95T003704		W	Phosphate-IC-Dionex 4000i/4500	ug/g	97.62	<1.190e-1	2.09e+04	1.460e4	1.780e4	35.5	n/a	2.280e3	n/a
S95T003704		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.78	<1.360e-1	2.55e+04	2.590e4	2.570e4	1.56	n/a	2.600e3	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 4

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003683		W	Bromide by Ion Chromatograph	ug/g	97.91	<1.260e-1	<9.77e+02	<9.87e2	n/a	n/a	n/a	977.3	n/a
S95T003683		W	Chloride-IC-Dionex 4000i/4500	ug/g	93.04	<1.700e-2	2.01e+03	2.410e3	2.210e3	18.1	n/a	131.9	n/a
S95T003683		W	Fluoride-IC-Dionex 4000i/4500	ug/g	93.90	<1.300e-2	6.04e+03	6.050e3	6.040e3	0.17	n/a	100.8	n/a
S95T003683		W	Nitrite-IC - Dionex 4000i/4500	ug/g	99.45	<1.070e-1	3.28e+04	3.910e4	3.590e4	17.5	n/a	829.9	n/a
S95T003683		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.91	2.52e-01	2.14e+05	2.370e5	2.260e5	10.2	n/a	1.080e3	n/a
S95T003683		W	Oxalate by IC - Dionex 4000i	ug/g	98.84	<1.050e-1	1.78e+04	2.010e4	1.890e4	12.1	n/a	814.4	n/a
S95T003683		W	Phosphate-IC-Dionex 4000i/4500	ug/g	95.79	<1.190e-1	5.53e+03	6.330e3	5.930e3	13.5	n/a	930.0	n/a
S95T003683		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.78	<1.360e-1	2.46e+04	2.780e4	2.620e4	12.2	n/a	1.050e3	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003684		W	Bromide by Ion Chromatograph	ug/g	94.78	<1.260e-1	<9.01e+02	<9.06e2	n/a	n/a	n/a	901.4	n/a
S95T003684		W	Chloride-IC-Dionex 4000i/4500	ug/g	101.1	7.60e-02	2.79e+03	2.440e3	2.620e3	13.4	n/a	121.6	n/a
S95T003684		W	Fluoride-IC-Dionex 4000i/4500	ug/g	104.1	<1.300e-2	5.59e+03	5.130e3	5.360e3	8.58	n/a	92.99	n/a
S95T003684		W	Nitrite-IC - Dionex 4000i/4500	ug/g	101.1	<1.070e-1	4.92e+04	4.030e4	4.480e4	19.9	n/a	765.5	n/a
S95T003684		W	Nitrate by IC-Dionex4000i/4500	ug/g	93.97	<1.400e-1	1.93e+05	2.570e5	2.250e5	28.4	n/a	1.000e3	n/a
S95T003684		W	Oxalate by IC - Dionex 4000i	ug/g	94.68	<1.050e-1	1.75e+04	1.600e4	1.670e4	8.96	n/a	751.2	n/a
S95T003684		W	Phosphate-IC-Dionex 4000i/4500	ug/g	98.72	<1.190e-1	6.73e+03	7.850e3	7.290e3	15.4	n/a	857.8	n/a
S95T003684		W	Sulfate by IC-Dionex4000i/4500	ug/g	94.61	<1.360e-1	2.33e+04	2.150e4	2.240e4	8.04	n/a	972.2	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003685		W	Bromide by Ion Chromatograph	ug/g	96.00	<1.260e-1	<9.15e+02	<9.18e2	n/a	n/a	97.39	915.3	n/a
S95T003685		W	Chloride-IC-Dionex 4000i/4500	ug/g	92.28	5.00e-02	2.44e+03	2.600e3	2.520e3	6.35	92.25	123.5	n/a
S95T003685		W	Fluoride-IC-Dionex 4000i/4500	ug/g	92.20	<1.300e-2	5.33e+03	4.940e3	5.140e3	7.59	94.52	94.42	n/a
S95T003685		W	Nitrite-IC - Dionex 4000i/4500	ug/g	91.39	<1.070e-1	3.87e+04	4.090e4	3.980e4	5.53	100.4	777.3	n/a
S95T003685		W	Nitrate by IC-Dionex4000i/4500	ug/g	91.86	<1.400e-1	2.20e+05	2.260e5	2.230e5	2.69	100.2	1.020e3	n/a
S95T003685		W	Oxalate by IC - Dionex 4000i	ug/g	91.25	<1.050e-1	1.66e+04	<7.65e2	n/a	n/a	96.63	762.8	n/a
S95T003685		W	Phosphate-IC-Dionex 4000i/4500	ug/g	91.76	<1.190e-1	3.13e+03	2.440e3	2.780e3	24.8	95.85	871.0	n/a
S95T003685		W	Sulfate by IC-Dionex4000i/4500	ug/g	90.81	<1.360e-1	2.31e+04	2.190e4	2.250e4	5.33	96.56	987.2	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 5

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003686		W	Bromide by Ion Chromatograph	ug/g	96.00	<1.260e-1	<9.92e+02	<1.02e3	n/a	n/a	n/a	991.7	n/a
S95T003686		W	Chloride-IC-Dionex 4000i/4500	ug/g	92.28	5.00e-02	2.77e+03	2.570e3	2.670e3	7.49	n/a	133.8	n/a
S95T003686		W	Fluoride-IC-Dionex 4000i/4500	ug/g	92.20	<1.300e-2	5.41e+03	4.950e3	5.180e3	8.88	n/a	102.3	n/a
S95T003686		W	Nitrite-IC - Dionex 4000i/4500	ug/g	91.39	<1.070e-1	4.27e+04	3.890e4	4.080e4	9.31	n/a	842.2	n/a
S95T003686		W	Nitrate by IC-Dionex4000i/4500	ug/g	91.86	<1.400e-1	1.87e+05	1.840e5	1.850e5	1.62	n/a	1.100e3	n/a
S95T003686		W	Oxalate by IC - Dionex 4000i	ug/g	91.25	<1.050e-1	1.69e+04	1.630e4	1.660e4	3.61	n/a	826.4	n/a
S95T003686		W	Phosphate-IC-Dionex 4000i/4500	ug/g	91.76	<1.190e-1	2.45e+03	1.540e3	2.000e3	45.6	n/a	943.7	n/a
S95T003686		W	Sulfate by IC-Dionex4000i/4500	ug/g	90.81	<1.360e-1	2.23e+04	1.950e4	2.090e4	13.4	n/a	1.070e3	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003687		W	Bromide by Ion Chromatograph	ug/g	91.83	<1.260e-1	<9.10e+02	<9.14e2	n/a	n/a	92.61	910.5	n/a
S95T003687		W	Chloride-IC-Dionex 4000i/4500	ug/g	93.29	<1.700e-2	2.00e+03	2.160e3	2.080e3	7.69	100.8	122.8	n/a
S95T003687		W	Fluoride-IC-Dionex 4000i/4500	ug/g	90.85	<1.300e-2	5.24e+03	5.590e3	5.410e3	6.46	92.28	93.93	n/a
S95T003687		W	Nitrite-IC - Dionex 4000i/4500	ug/g	93.26	<1.070e-1	3.74e+04	3.870e4	3.800e4	3.42	106.8	773.2	n/a
S95T003687		W	Nitrate by IC-Dionex4000i/4500	ug/g	95.60	<1.400e-1	2.27e+05	2.310e5	2.290e5	1.75	114.2	1.010e3	n/a
S95T003687		W	Oxalate by IC - Dionex 4000i	ug/g	94.49	<1.050e-1	1.62e+04	1.810e4	1.710e4	11.1	97.04	758.7	n/a
S95T003687		W	Phosphate-IC-Dionex 4000i/4500	ug/g	95.60	<1.190e-1	2.24e+03	1.620e3	1.930e3	32.1	96.28	866.4	n/a
S95T003687		W	Sulfate by IC-Dionex4000i/4500	ug/g	93.50	<1.360e-1	2.20e+04	2.240e4	2.220e4	1.80	101.6	982.0	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003688		W	Bromide by Ion Chromatograph	ug/g	91.83	<1.260e-1	<1.00e+03	<9.93e2	n/a	n/a	n/a	1.000e3	n/a
S95T003688		W	Chloride-IC-Dionex 4000i/4500	ug/g	93.29	<1.700e-2	2.46e+03	1.900e3	2.180e3	25.7	n/a	135.1	n/a
S95T003688		W	Fluoride-IC-Dionex 4000i/4500	ug/g	90.85	<1.300e-2	4.08e+03	3.680e3	3.880e3	10.3	n/a	103.3	n/a
S95T003688		W	Nitrite-IC - Dionex 4000i/4500	ug/g	93.26	<1.070e-1	4.29e+04	3.360e4	3.830e4	24.3	n/a	850.3	n/a
S95T003688		W	Nitrate by IC-Dionex4000i/4500	ug/g	95.60	<1.400e-1	2.32e+05	3.100e5	2.710e5	28.8	n/a	1.110e3	n/a
S95T003688		W	Oxalate by IC - Dionex 4000i	ug/g	94.49	<1.050e-1	1.36e+04	1.270e4	1.320e4	6.84	n/a	834.5	n/a
S95T003688		W	Phosphate-IC-Dionex 4000i/4500	ug/g	95.60	<1.190e-1	4.34e+03	2.700e3	3.520e3	46.6	n/a	952.9	n/a
S95T003688		W	Sulfate by IC-Dionex4000i/4500	ug/g	93.50	<1.360e-1	1.81e+04	1.710e4	1.760e4	5.68	n/a	1.080e3	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003689		W	Bromide by Ion Chromatograph	ug/g	94.78	<1.260e-1	<9.92e+02	<9.94e2	n/a	n/a	n/a	991.1	n/a
S95T003689		W	Chloride-IC-Dionex 4000i/4500	ug/g	101.1	7.60e-02	2.52e+03	2.290e3	2.410e3	9.56	n/a	133.8	n/a
S95T003689		W	Fluoride-IC-Dionex 4000i/4500	ug/g	104.1	<1.300e-2	5.36e+03	4.840e3	5.100e3	10.2	n/a	102.3	n/a
S95T003689		W	Nitrite-IC - Dionex 4000i/4500	ug/g	101.1	<1.070e-1	3.87e+04	4.300e4	4.080e4	10.5	n/a	842.3	n/a
S95T003689		W	Nitrate by IC-Dionex4000i/4500	ug/g	93.97	<1.400e-1	2.62e+05	2.310e5	2.460e5	12.6	n/a	1.100e3	n/a
S95T003689		W	Oxalate by IC - Dionex 4000i	ug/g	94.68	<1.050e-1	1.56e+04	1.610e4	1.590e4	3.15	n/a	826.6	n/a
S95T003689		W	Phosphate-IC-Dionex 4000i/4500	ug/g	98.72	<1.190e-1	2.52e+03	2.430e3	2.470e3	3.64	n/a	943.9	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003689		W	Sulfate by IC-Dionex4000i/4500	ug/g	94.61	<1.360e-1	2.08e+04	2.190e4	2.140e4	5.15	n/a	1.070e3	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 6

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003690		W	Bromide by Ion Chromatograph	ug/g	100.0	<1.260e-1	<9.68e+02	<9.87e2	n/a	n/a	96.96	968.5	n/a
S95T003690		W	Chloride-IC-Dionex 4000i/4500	ug/g	95.70	<1.700e-2	3.06e+03	2.890e3	2.970e3	5.71	95.52	130.7	n/a
S95T003690		W	Fluoride-IC-Dionex 4000i/4500	ug/g	100.7	<1.300e-2	5.42e+03	5.240e3	5.330e3	3.38	96.99	99.92	n/a
S95T003690		W	Nitrite-IC - Dionex 4000i/4500	ug/g	101.5	<1.070e-1	4.93e+04	4.820e4	4.870e4	2.26	111.8	822.5	n/a
S95T003690		W	Nitrate by IC-Dionex4000i/4500	ug/g	99.84	1.940	2.41e+05	2.310e5	2.360e5	4.24	87.98	1.080e3	n/a
S95T003690		W	Oxalate by IC - Dionex 4000i	ug/g	103.7	<1.050e-1	1.51e+04	1.790e4	1.650e4	17.0	102.9	807.1	n/a
S95T003690		W	Phosphate-IC-Dionex 4000i/4500	ug/g	98.53	<1.190e-1	6.04e+03	6.040e3	6.040e3	0.00	90.10	921.6	n/a
S95T003690		W	Sulfate by IC-Dionex4000i/4500	ug/g	99.84	<1.360e-1	2.33e+04	2.200e4	2.270e4	5.74	98.49	1.040e3	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003691		W	Bromide by Ion Chromatograph	ug/g	98.61	<1.260e-1	<9.84e+02	<9.21e2	n/a	n/a	n/a	984.4	n/a
S95T003691		W	Chloride-IC-Dionex 4000i/4500	ug/g	92.28	2.60e-02	2.23e+03	2.720e3	2.480e3	19.8	n/a	132.8	n/a
S95T003691		W	Fluoride-IC-Dionex 4000i/4500	ug/g	97.12	<1.300e-2	4.19e+03	4.730e3	4.460e3	12.1	n/a	101.6	n/a
S95T003691		W	Nitrite-IC - Dionex 4000i/4500	ug/g	96.25	1.61e-01	3.82e+04	4.510e4	4.160e4	16.6	n/a	835.9	n/a
S95T003691		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.91	3.40e-01	2.02e+05	1.950e5	1.990e5	3.53	n/a	1.090e3	n/a
S95T003691		W	Oxalate by IC - Dionex 4000i	ug/g	98.86	<1.050e-1	1.26e+04	1.380e4	1.320e4	9.09	n/a	820.3	n/a
S95T003691		W	Phosphate-IC-Dionex 4000i/4500	ug/g	96.52	<1.190e-1	3.16e+03	3.110e3	3.130e3	1.59	n/a	936.7	n/a
S95T003691		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.46	2.04e-01	1.76e+04	1.970e4	1.870e4	11.3	n/a	1.060e3	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003692		W	Bromide by Ion Chromatograph	ug/g	94.09	<1.260e-1	<1.21e+03	<1.21e3	n/a	n/a	n/a	1.210e3	n/a
S95T003692		W	Chloride-IC-Dionex 4000i/4500	ug/g	90.63	2.500e-2	3.87e+03	2.600e3	3.230e3	39.3	n/a	163.6	n/a
S95T003692		W	Fluoride-IC-Dionex 4000i/4500	ug/g	93.39	<1.300e-2	5.50e+03	5.340e3	5.420e3	2.95	n/a	125.1	n/a
S95T003692		W	Nitrite-IC - Dionex 4000i/4500	ug/g	92.32	<1.070e-1	4.42e+04	4.280e4	4.350e4	3.22	n/a	1.030e3	n/a
S95T003692		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.91	2.32e-01	2.20e+05	2.280e5	2.240e5	3.57	n/a	1.350e3	n/a
S95T003692		W	Oxalate by IC - Dionex 4000i	ug/g	96.58	<1.050e-1	1.53e+04	1.500e4	1.510e4	1.98	n/a	1.010e3	n/a
S95T003692		W	Phosphate-IC-Dionex 4000i/4500	ug/g	94.14	<1.190e-1	3.62e+03	3.580e3	3.600e3	1.11	n/a	1.150e3	n/a
S95T003692		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.51	1.93e-01	2.24e+04	2.390e4	2.310e4	6.48	n/a	1.310e3	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003693		W	Bromide by Ion Chromatograph	ug/g	94.09	<1.260e-1	<1.24e+03	<1.25e3	n/a	n/a	n/a	1.240e3	n/a
S95T003693		W	Chloride-IC-Dionex 4000i/4500	ug/g	90.63	2.500e-2	2.48e+03	2.700e3	2.590e3	8.49	n/a	167.5	n/a
S95T003693		W	Fluoride-IC-Dionex 4000i/4500	ug/g	93.39	<1.300e-2	5.88e+03	5.760e3	5.820e3	2.06	n/a	128.1	n/a
S95T003693		W	Nitrite-IC - Dionex 4000i/4500	ug/g	92.32	<1.070e-1	4.21e+04	4.380e4	4.300e4	3.96	n/a	1.050e3	n/a
S95T003693		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.91	2.32e-01	2.26e+05	1.940e5	2.100e5	15.2	n/a	1.380e3	n/a
S95T003693		W	Oxalate by IC - Dionex 4000i	ug/g	96.58	<1.050e-1	1.85e+04	1.880e4	1.860e4	1.61	n/a	1.040e3	n/a
S95T003693		W	Phosphate-IC-Dionex 4000i/4500	ug/g	94.14	<1.190e-1	3.50e+03	3.440e3	3.470e3	1.73	n/a	1.180e3	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003693		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.51	1.93e-01	2.46e+04	2.440e4	2.450e4	0.82	n/a	1.340e3	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 7

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003694		W	Bromide by Ion Chromatograph	ug/g	99.30	8.01e-01	<1.01e+03	<1.02e3	n/a	n/a	96.52	1.010e3	n/a
S95T003694		W	Chloride-IC-Dionex 4000i/4500	ug/g	92.41	1.800e-2	2.70e+03	2.730e3	2.720e3	1.10	97.59	136.8	n/a
S95T003694		W	Fluoride-IC-Dionex 4000i/4500	ug/g	97.63	<1.300e-2	6.50e+03	6.310e3	6.400e3	2.97	91.07	104.6	n/a
S95T003694		W	Nitrite-IC - Dionex 4000i/4500	ug/g	96.25	<1.070e-1	4.56e+04	4.480e4	4.520e4	1.77	105.2	860.9	n/a
S95T003694		W	Nitrate by IC-Dionex4000i/4500	ug/g	98.70	2.67e-01	1.95e+05	2.100e5	2.020e5	7.41	113.1	1.130e3	n/a
S95T003694		W	Oxalate by IC - Dionex 4000i	ug/g	98.86	<1.050e-1	2.13e+04	2.170e4	2.150e4	1.86	104.8	844.8	n/a
S95T003694		W	Phosphate-IC-Dionex 4000i/4500	ug/g	96.70	<1.190e-1	3.50e+03	3.720e3	3.610e3	6.09	94.40	964.6	n/a
S95T003694		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.78	1.93e-01	2.70e+04	2.730e4	2.720e4	1.10	99.53	1.090e3	n/a

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003695		W	Bromide by Ion Chromatograph	ug/g	99.30	8.01e-01	<1.00e+03	<1.01e3	n/a	n/a	n/a	1.000e3	n/a
S95T003695		W	Chloride-IC-Dionex 4000i/4500	ug/g	92.41	1.800e-2	2.63e+03	2.760e3	2.700e3	4.82	n/a	135.1	n/a
S95T003695		W	Fluoride-IC-Dionex 4000i/4500	ug/g	97.63	<1.300e-2	7.53e+03	6.990e3	7.260e3	7.44	n/a	103.3	n/a
S95T003695		W	Nitrite-IC - Dionex 4000i/4500	ug/g	96.25	<1.070e-1	4.39e+04	4.710e4	4.550e4	7.03	n/a	850.2	n/a
S95T003695		W	Nitrate by IC-Dionex4000i/4500	ug/g	98.70	2.67e-01	1.89e+05	1.730e5	1.810e5	8.84	n/a	1.110e3	n/a
S95T003695		W	Oxalate by IC - Dionex 4000i	ug/g	98.86	<1.050e-1	2.22e+04	2.190e4	2.200e4	1.36	n/a	834.3	n/a
S95T003695		W	Phosphate-IC-Dionex 4000i/4500	ug/g	96.70	<1.190e-1	8.15e+03	5.710e3	6.930e3	35.2	n/a	952.7	n/a
S95T003695		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.78	1.93e-01	2.89e+04	2.870e4	2.880e4	0.69	n/a	1.080e3	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003696		W	Bromide by Ion Chromatograph	ug/g	95.83	8.51e-01	<2.18e+03	<2.30e3	n/a	n/a	n/a	2.180e3	n/a
S95T003696		W	Chloride-IC-Dionex 4000i/4500	ug/g	93.17	<1.700e-2	3.04e+03	2.980e3	3.010e3	1.99	n/a	294.8	n/a
S95T003696		W	Fluoride-IC-Dionex 4000i/4500	ug/g	92.88	<1.300e-2	7.37e+03	7.620e3	7.500e3	3.34	n/a	225.5	n/a
S95T003696		W	Nitrite-IC - Dionex 4000i/4500	ug/g	95.69	<1.070e-1	4.84e+04	4.730e4	4.790e4	2.30	n/a	1.860e3	n/a
S95T003696		W	Nitrate by IC-Dionex4000i/4500	ug/g	97.39	2.27e-01	1.31e+05	1.440e5	1.380e5	9.45	n/a	2.430e3	n/a
S95T003696		W	Oxalate by IC - Dionex 4000i	ug/g	98.29	<1.050e-1	2.50e+04	2.690e4	2.590e4	7.32	n/a	1.820e3	n/a
S95T003696		W	Phosphate-IC-Dionex 4000i/4500	ug/g	96.89	<1.190e-1	5.25e+03	5.580e3	5.420e3	6.09	n/a	2.080e3	n/a
S95T003696		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.62	<1.360e-1	2.99e+04	3.150e4	3.070e4	5.21	n/a	2.360e3	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003697		W	Bromide by Ion Chromatograph	ug/g	95.83	8.51e-01	<2.27e+03	<2.27e3	n/a	n/a	n/a	2.270e3	n/a
S95T003697		W	Chloride-IC-Dionex 4000i/4500	ug/g	93.17	<1.700e-2	2.37e+03	2.990e3	2.680e3	23.1	n/a	306.6	n/a
S95T003697		W	Fluoride-IC-Dionex 4000i/4500	ug/g	92.88	<1.300e-2	3.94e+03	4.520e3	4.230e3	13.7	n/a	234.4	n/a
S95T003697		W	Nitrite-IC - Dionex 4000i/4500	ug/g	95.69	<1.070e-1	3.64e+04	4.520e4	4.080e4	21.6	n/a	1.930e3	n/a
S95T003697		W	Nitrate by IC-Dionex4000i/4500	ug/g	97.39	2.27e-01	2.46e+05	1.100e5	1.780e5	76.4	n/a	2.520e3	n/a
S95T003697		W	Oxalate by IC - Dionex 4000i	ug/g	98.29	<1.050e-1	3.98e+03	4.620e3	4.300e3	14.9	n/a	1.890e3	n/a
S95T003697		W	Phosphate-IC-Dionex 4000i/4500	ug/g	96.89	<1.190e-1	5.19e+03	7.770e3	6.480e3	39.8	n/a	2.160e3	n/a

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003697		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.62	<1.360e-1	2.04e+04	2.170e4	2.100e4	6.18	n/a	2.450e3	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 8

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003698		W	Bromide by Ion Chromatograph	ug/g	94.61	<1.260e-1	<2.02e+03	<2.10e3	n/a	n/a	96.52	2.020e3	n/a
S95T003698		W	Chloride-IC-Dionex 4000i/4500	ug/g	90.13	<1.700e-2	2.14e+03	2.780e3	2.460e3	26.0	93.13	273.2	n/a
S95T003698		W	Fluoride-IC-Dionex 4000i/4500	ug/g	91.69	<1.300e-2	2.08e+03	2.250e3	2.170e3	7.85	92.32	208.9	n/a
S95T003698		W	Nitrite-IC - Dionex 4000i/4500	ug/g	92.51	<1.070e-1	3.68e+04	4.130e4	3.900e4	11.5	103.1	1.720e3	n/a
S95T003698		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.74	2.31e-01	9.26e+04	8.940e4	9.100e4	3.52	113.0	2.250e3	n/a
S95T003698		W	Oxalate by IC - Dionex 4000i	ug/g	95.63	<1.050e-1	2.70e+03	4.410e3	3.560e3	48.1	97.01	1.690e3	n/a
S95T003698		W	Phosphate-IC-Dionex 4000i/4500	ug/g	93.96	<1.190e-1	4.90e+03	6.600e3	5.750e3	29.6	92.26	1.930e3	n/a
S95T003698		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.67	<1.360e-1	1.19e+04	1.660e4	1.420e4	33.0	94.55	2.180e3	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003699		W	Bromide by Ion Chromatograph	ug/g	94.61	<1.260e-1	<9.04e+02	<8.88e2	n/a	n/a	n/a	903.8	n/a
S95T003699		W	Chloride-IC-Dionex 4000i/4500	ug/g	90.13	<1.700e-2	2.76e+03	3.960e3	3.360e3	35.7	n/a	121.9	n/a
S95T003699		W	Fluoride-IC-Dionex 4000i/4500	ug/g	91.69	<1.300e-2	9.21e+02	1.070e3	9.956e2	15.0	n/a	93.23	n/a
S95T003699		W	Nitrite-IC - Dionex 4000i/4500	ug/g	92.51	<1.070e-1	5.01e+04	4.590e4	4.800e4	8.75	n/a	767.5	n/a
S95T003699		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.74	2.31e-01	1.17e+05	1.070e5	1.120e5	8.93	n/a	1.000e3	n/a
S95T003699		W	Oxalate by IC - Dionex 4000i	ug/g	95.63	<1.050e-1	2.77e+03	4.700e3	3.730e3	51.7	n/a	753.1	n/a
S95T003699		W	Phosphate-IC-Dionex 4000i/4500	ug/g	93.96	<1.190e-1	1.04e+04	1.170e4	1.110e4	11.8	n/a	860.0	n/a
S95T003699		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.67	<1.360e-1	3.03e+03	9.440e3	6.240e3	103	n/a	974.8	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: CORE COMPOSITE

SEGMENT PORTION: Core Composite

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000373		W	Bromide by Ion Chromatograph	ug/g	97.91	<1.260e-1	<1.02e+03	<9.16e2	n/a	n/a	93.74	1.020e3	n/a
S96T000373		W	Chloride-IC-Dionex 4000i/4500	ug/g	94.81	3.30e-02	1.91e+03	2.080e3	1.990e3	8.52	91.01	137.6	n/a
S96T000373		W	Fluoride-IC-Dionex 4000i/4500	ug/g	93.90	<1.300e-2	5.67e+03	7.970e3	6.820e3	33.7	100.3	105.2	n/a
S96T000373		W	Nitrite-IC - Dionex 4000i/4500	ug/g	96.25	1.970e-1	2.96e+04	3.200e4	3.080e4	7.79	94.01	866.3	n/a
S96T000373		W	Nitrate by IC-Dionex4000i/4500	ug/g	99.19	2.77e-01	2.31e+05	1.890e5	2.100e5	20.0	93.16	1.130e3	n/a
S96T000373		W	Oxalate by IC - Dionex 4000i	ug/g	100.4	<1.050e-1	1.84e+04	2.020e4	1.930e4	9.33	96.77	849.9	n/a
S96T000373		W	Phosphate-IC-Dionex 4000i/4500	ug/g	96.70	<1.190e-1	7.63e+03	2.210e4	1.490e4	97.3	83.88	962.3	n/a
S96T000373		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.94	2.63e-01	2.24e+04	2.440e4	2.340e4	8.55	93.50	1.100e3	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 1

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003772		W	Bromide by Ion Chromatograph	ug/g	97.04	<1.260e-1	<5.99e+02	<5.97e2	n/a	n/a	95.30	598.9	n/a
S95T003772		W	Chloride-IC-Dionex 4000i/4500	ug/g	98.73	<1.700e-2	2.05e+03	2.480e3	2.270e3	19.0	96.54	80.81	n/a
S95T003772		W	Fluoride-IC-Dionex 4000i/4500	ug/g	95.93	<1.300e-2	2.94e+02	4.460e2	3.699e2	41.1	97.58	61.80	n/a
S95T003772		W	Nitrite-IC - Dionex 4000i/4500	ug/g	93.63	<1.070e-1	3.58e+04	4.460e4	4.020e4	21.9	105.7	508.6	n/a
S95T003772		W	Nitrate by IC-Dionex4000i/4500	ug/g	98.37	2.26e-01	1.58e+05	2.030e5	1.810e5	24.9	100.3	665.0	n/a
S95T003772		W	Oxalate by IC - Dionex 4000i	ug/g	98.10	<1.050e-1	2.31e+03	2.180e3	2.240e3	5.79	97.63	499.1	n/a
S95T003772		W	Phosphate-IC-Dionex 4000i/4500	ug/g	96.89	<1.190e-1	1.64e+03	1.900e3	1.770e3	14.7	93.05	569.9	n/a
S95T003772		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.83	<1.360e-1	1.74e+03	1.580e3	1.660e3	9.64	94.13	646.0	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 2

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003796		W	Bromide by Ion Chromatograph	ug/g	100.9	<1.260e-1	<2.23e+03	<2.24e3	n/a	n/a	95.30	2.230e3	n/a
S95T003796		W	Chloride-IC-Dionex 4000i/4500	ug/g	93.29	2.20e-02	2.12e+03	2.380e3	2.250e3	11.6	88.22	301.2	n/a
S95T003796		W	Fluoride-IC-Dionex 4000i/4500	ug/g	99.15	<1.300e-2	3.79e+03	3.320e3	3.550e3	13.2	94.25	230.4	n/a
S95T003796		W	Nitrite-IC - Dionex 4000i/4500	ug/g	97.19	<1.070e-1	3.32e+04	3.310e4	3.320e4	0.30	94.50	1.900e3	n/a
S95T003796		W	Nitrate by IC-Dionex4000i/4500	ug/g	101.1	2.89e-01	1.60e+05	1.620e5	1.610e5	1.24	107.0	2.480e3	n/a
S95T003796		W	Oxalate by IC - Dionex 4000i	ug/g	101.3	<1.050e-1	1.07e+04	9.660e3	1.020e4	10.2	98.47	1.860e3	n/a
S95T003796		W	Phosphate-IC-Dionex 4000i/4500	ug/g	100.2	<1.190e-1	1.53e+04	1.200e4	1.360e4	24.2	95.40	2.120e3	n/a
S95T003796		W	Sulfate by IC-Dionex4000i/4500	ug/g	99.68	2.88e-01	1.31e+04	1.180e4	1.240e4	10.4	94.86	2.410e3	n/a

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003797		W	Bromide by Ion Chromatograph	ug/g	100.9	<1.260e-1	<2.52e+03	<2.52e3	n/a	n/a	n/a	2.520e3	n/a
S95T003797		W	Chloride-IC-Dionex 4000i/4500	ug/g	93.29	2.20e-02	2.92e+03	3.100e3	3.010e3	5.98	n/a	339.9	n/a
S95T003797		W	Fluoride-IC-Dionex 4000i/4500	ug/g	99.15	<1.300e-2	1.00e+04	1.100e4	1.050e4	9.52	n/a	259.9	n/a
S95T003797		W	Nitrite-IC - Dionex 4000i/4500	ug/g	97.19	<1.070e-1	4.49e+04	4.780e4	4.640e4	6.26	n/a	2.140e3	n/a
S95T003797		W	Nitrate by IC-Dionex4000i/4500	ug/g	101.1	2.89e-01	8.15e+04	1.030e5	9.230e4	23.3	n/a	2.800e3	n/a
S95T003797		W	Oxalate by IC - Dionex 4000i	ug/g	101.3	<1.050e-1	2.77e+04	2.920e4	2.850e4	5.27	n/a	2.100e3	n/a
S95T003797		W	Phosphate-IC-Dionex 4000i/4500	ug/g	100.2	<1.190e-1	3.73e+04	3.700e4	3.720e4	0.81	n/a	2.400e3	n/a
S95T003797		W	Sulfate by IC-Dionex4000i/4500	ug/g	99.68	2.88e-01	3.21e+04	3.410e4	3.310e4	6.04	n/a	2.720e3	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 3

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003813		W	Bromide by Ion Chromatograph	ug/g	97.04	<1.260e-1	<9.97e+02	<9.93e2	n/a	n/a	n/a	997.1	n/a
S95T003813		W	Chloride-IC-Dionex 4000i/4500	ug/g	98.73	<1.700e-2	2.84e+03	2.620e3	2.730e3	8.06	n/a	134.5	n/a
S95T003813		W	Fluoride-IC-Dionex 4000i/4500	ug/g	95.93	<1.300e-2	3.80e+03	3.850e3	3.820e3	1.31	n/a	102.9	n/a
S95T003813		W	Nitrite-IC - Dionex 4000i/4500	ug/g	93.63	<1.070e-1	4.85e+04	4.550e4	4.700e4	6.38	n/a	846.7	n/a
S95T003813		W	Nitrate by IC-Dionex4000i/4500	ug/g	98.37	2.26e-01	2.47e+05	2.840e5	2.650e5	13.9	n/a	1.110e3	n/a
S95T003813		W	Oxalate by IC - Dionex 4000i	ug/g	98.10	<1.050e-1	7.82e+03	7.690e3	7.750e3	1.68	n/a	830.9	n/a
S95T003813		W	Phosphate-IC-Dionex 4000i/4500	ug/g	96.89	<1.190e-1	1.21e+04	1.200e4	1.200e4	0.83	n/a	948.8	n/a
S95T003813		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.83	<1.360e-1	1.22e+04	1.220e4	1.220e4	0.00	n/a	1.080e3	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003798		W	Bromide by Ion Chromatograph	ug/g	97.91	<1.260e-1	<9.82e+02	<9.93e2	n/a	n/a	n/a	981.6	n/a
S95T003798		W	Chloride-IC-Dionex 4000i/4500	ug/g	93.04	2.40e-02	2.76e+03	2.600e3	2.680e3	5.97	n/a	132.4	n/a
S95T003798		W	Fluoride-IC-Dionex 4000i/4500	ug/g	93.90	<1.300e-2	3.77e+03	3.800e3	3.780e3	0.79	n/a	101.3	n/a
S95T003798		W	Nitrite-IC - Dionex 4000i/4500	ug/g	99.45	<1.070e-1	4.72e+04	4.450e4	4.580e4	5.89	n/a	833.6	n/a
S95T003798		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.91	4.28e-01	2.26e+05	2.330e5	2.300e5	3.05	n/a	1.090e3	n/a
S95T003798		W	Oxalate by IC - Dionex 4000i	ug/g	98.84	<1.050e-1	1.22e+04	1.220e4	1.220e4	0.00	n/a	818.0	n/a
S95T003798		W	Phosphate-IC-Dionex 4000i/4500	ug/g	95.79	<1.190e-1	4.75e+03	6.310e3	5.530e3	28.2	n/a	934.1	n/a
S95T003798		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.78	2.01e-01	1.66e+04	1.610e4	1.640e4	3.06	n/a	1.060e3	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 4

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003814		W	Bromide by Ion Chromatograph	ug/g	97.91	<1.260e-1	<1.00e+03	<1.00e3	n/a	n/a	86.09	1.000e3	n/a
S95T003814		W	Chloride-IC-Dionex 4000i/4500	ug/g	93.04	2.40e-02	2.00e+03	1.140e3	1.570e3	54.8	75.09	135.6	n/a
S95T003814		W	Fluoride-IC-Dionex 4000i/4500	ug/g	93.90	<1.300e-2	3.56e+03	2.970e3	3.260e3	18.1	88.22	103.7	n/a
S95T003814		W	Nitrite-IC - Dionex 4000i/4500	ug/g	99.45	<1.070e-1	2.21e+04	1.970e4	2.090e4	11.5	93.12	853.5	n/a
S95T003814		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.91	4.28e-01	4.82e+05	4.680e5	4.750e5	2.95	83.27	1.120e3	n/a
S95T003814		W	Oxalate by IC - Dionex 4000i	ug/g	98.84	<1.050e-1	1.07e+04	1.140e4	1.110e4	6.33	94.87	837.5	n/a
S95T003814		W	Phosphate-IC-Dionex 4000i/4500	ug/g	95.79	<1.190e-1	6.54e+03	2.800e3	4.670e3	80.1	86.72	956.4	n/a
S95T003814		W	Sulfate by IC-Dionex4000i/4500	ug/g	97.78	2.01e-01	1.50e+04	1.490e4	1.490e4	0.67	90.34	1.080e3	n/a

IC Analytical Summary - Cores 116 & 117.
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 5

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003799		W	Bromide by Ion Chromatograph	ug/g	94.44	7.68e-01	<2.48e+03	<2.46e3	n/a	n/a	97.74	2.480e3	n/a
S95T003799		W	Chloride-IC-Dionex 4000i/4500	ug/g	92.91	<1.700e-2	1.68e+03	1.830e3	1.760e3	8.55	88.42	334.0	n/a
S95T003799		W	Fluoride-IC-Dionex 4000i/4500	ug/g	91.36	<1.300e-2	2.28e+03	2.500e3	2.390e3	9.21	94.06	255.4	n/a
S95T003799		W	Nitrite-IC - Dionex 4000i/4500	ug/g	93.26	<1.070e-1	2.53e+04	2.750e4	2.640e4	8.33	95.50	2.100e3	n/a
S95T003799		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.25	2.27e-01	4.83e+05	4.830e5	4.830e5	0.00	108.5	2.750e3	n/a
S95T003799		W	Oxalate by IC - Dionex 4000i	ug/g	94.87	<1.050e-1	7.79e+03	8.080e3	7.940e3	3.65	98.09	2.060e3	n/a
S95T003799		W	Phosphate-IC-Dionex 4000i/4500	ug/g	93.04	<1.190e-1	6.41e+03	6.270e3	6.340e3	2.21	91.58	2.360e3	n/a
S95T003799		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.51	1.910e-1	1.18e+04	1.190e4	1.180e4	0.84	94.53	2.670e3	n/a

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003800		W	Bromide by Ion Chromatograph	ug/g	94.44	7.68e-01	<2.20e+03	<2.22e3	n/a	n/a	n/a	2.200e3	n/a
S95T003800		W	Chloride-IC-Dionex 4000i/4500	ug/g	92.91	<1.700e-2	6.66e+03	2.180e3	4.420e3	101	n/a	296.1	n/a
S95T003800		W	Fluoride-IC-Dionex 4000i/4500	ug/g	91.36	<1.300e-2	2.69e+03	2.200e3	2.440e3	20.0	n/a	226.4	n/a
S95T003800		W	Nitrite-IC - Dionex 4000i/4500	ug/g	93.26	<1.070e-1	2.82e+04	2.710e4	2.770e4	3.98	n/a	1.860e3	n/a
S95T003800		W	Nitrate by IC-Dionex4000i/4500	ug/g	96.25	2.27e-01	4.33e+05	4.100e5	4.220e5	5.46	n/a	2.440e3	n/a
S95T003800		W	Oxalate by IC - Dionex 4000i	ug/g	94.87	<1.050e-1	9.05e+03	8.170e3	8.610e3	10.2	n/a	1.830e3	n/a
S95T003800		W	Phosphate-IC-Dionex 4000i/4500	ug/g	93.04	<1.190e-1	6.34e+03	3.100e3	4.720e3	68.6	n/a	2.090e3	n/a
S95T003800		W	Sulfate by IC-Dionex4000i/4500	ug/g	96.51	1.910e-1	1.38e+04	1.240e4	1.310e4	10.7	n/a	2.370e3	n/a

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Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 2

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003530		Z	Strontium-89/90 High Level	uCi/g	96.77	<4.42e-02	1.30e+02	143.0	136.5	9.52	n/a	4.40e-02	5.78E-01
S95T003530		Z	Cobalt-60 by GEA	uCi/g	97.63	<1.41e-02	5.32e-02	5.30e-02	5.31e-02	0.38	n/a	2.93e-04	23.71
S95T003530		Z	Cesium-137 by GEA	uCi/g	98.42	<3.32e-02	94.03	99.90	96.97	6.09	n/a	1.00e-03	.55
S95T003530		Z	Alpha of Digested Solid	uCi/g	92.19	<6.90e-04	1.68e-02	1.37e-02	1.52e-02	20.3	30.87	1.00e-03	1.33E+01

U Upper Half of Segment: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003531		Z	Cobalt-60 by GEA	uCi/g	99.05	<5.96e-03	<1.27e-02	<9.78e-3	n/a	n/a	n/a	6.00e-03	n/a
S95T003531		Z	Cesium-137 by GEA	uCi/g	100.4	<1.34e-02	16.70	14.50	15.60	14.1	n/a	1.30e-02	.89

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 3

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003700		Z	Cobalt-60 by GEA	uCi/g	97.62	<5.01e-03	7.62e-03	<7.53e-3	n/a	n/a	n/a	5.00e-03	47.76
S95T003700		Z	Cesium-137 by GEA	uCi/g	102.0	2.00e-02	32.90	32.40	32.65	1.53	n/a	2.00e-02	.56
S95T003700		Z	Alpha of Digested Solid	uCi/g	111.7	<2.71e-03	6.59e-03	6.14e-03	6.36e-03	7.07	87.50	5.00e-03	6.66E+01

L Lower Half of Segment: L Lower Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003701		Z	Cobalt-60 by GEA	uCi/g	97.62	<5.01e-03	<8.64e-03	<7.53e-3	n/a	n/a	n/a	5.00e-03	n/a
S95T003701		Z	Cesium-137 by GEA	uCi/g	102.0	2.00e-02	33.59	34.80	34.20	3.51	n/a	2.00e-02	.56

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 4

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003649		Z	Uranium by Phosphorescence	ug/g	113.1	61.00	1.01e+03	863.0	936.5	15.7	99.20	1.580	1.30E+00
S95T003649		Z	Strontium-89/90 High Level	uCi/g	96.77	<4.42e-02	25.50	24.30	24.90	4.82	n/a	3.70e-02	1.20E+00
S95T003649		Z	Cobalt-60 by GEA	uCi/g	97.63	<1.41e-02	<1.88e-02	<1.89e-2	n/a	n/a	n/a	2.93e-04	n/a
S95T003649		Z	Cesium-137 by GEA	uCi/g	98.42	<3.32e-02	1.07e+02	99.90	103.3	6.86	n/a	1.00e-03	.48
S95T003649		Z	Beta of Solid Sample	uCi/g	99.54	3.60e-02	1.56e+02	142.0	149.0	9.40	92.75	2.30e-02	2.86E-01

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003650		Z	Uranium by Phosphorescence	ug/g	95.30	0.00e+00	6.44e+02	599.0	621.5	7.24	119.2	1.69e-01	3.23E+00
S95T003650		Z	Strontium-89/90 High Level	uCi/g	95.16	1.40e-02	19.10	17.80	18.45	7.05	n/a	1.10e-02	9.62E-01
S95T003650		Z	Cobalt-60 by GEA	uCi/g	105.2	<3.20e-02	<1.74e-02	<1.57e-2	n/a	n/a	n/a	3.20e-02	n/a
S95T003650		Z	Cesium-137 by GEA	uCi/g	105.5	<4.67e-02	1.50e+02	136.0	142.8	9.79	n/a	4.70e-02	.31
S95T003650		Z	Beta of Solid Sample	uCi/g	100.0	7.60e-02	1.60e+02	146.0	153.0	9.15	94.30	5.70e-02	4.16E-01

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003651		Z	Uranium by Phosphorescence	ug/g	95.30	0.00e+00	6.70e+02	714.0	692.0	6.36	n/a	1.66e-01	3.17E+00
S95T003651		Z	Strontium-89/90 High Level	uCi/g	95.16	1.40e-02	19.30	22.60	20.95	15.8	n/a	1.10e-02	9.46E-01
S95T003651		Z	Cobalt-60 by GEA	uCi/g	105.2	<3.20e-02	<1.42e-02	<1.37e-2	n/a	n/a	n/a	3.20e-02	n/a
S95T003651		Z	Cesium-137 by GEA	uCi/g	105.5	<4.67e-02	1.20e+02	132.0	126.2	9.52	n/a	4.70e-02	.34
S95T003651		Z	Beta of Solid Sample	uCi/g	100.0	7.60e-02	1.36e+02	152.0	144.0	11.1	n/a	5.60e-02	4.51E-01
S95T003651		Z	Alpha of Digested Solid	uCi/g	84.38	<6.41e-03	2.04e-02	1.97e-02	2.00e-02	3.49	69.90	9.00e-03	4.35E+01

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 5

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003652		Z	Strontium-89/90 High Level	uCi/g	95.16	1.40e-02	16.70	17.30	17.00	3.53	n/a	1.10e-02	1.03E+00
S95T003652		Z	Cobalt-60 by GEA	uCi/g	105.2	<3.20e-02	<1.40e-02	<1.60e-2	n/a	n/a	n/a	3.20e-02	n/a
S95T003652		Z	Cesium-137 by GEA	uCi/g	105.5	<4.67e-02	1.34e+02	137.0	135.5	2.21	n/a	4.70e-02	.33

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003653		Z	Strontium-89/90 High Level	uCi/g	95.16	1.40e-02	24.30	25.40	24.85	4.43	n/a	1.10e-02	8.50E-01
S95T003653		Z	Cobalt-60 by GEA	uCi/g	105.2	<3.20e-02	<1.63e-02	<1.44e-2	n/a	n/a	n/a	3.20e-02	n/a
S95T003653		Z	Cesium-137 by GEA	uCi/g	105.5	<4.67e-02	1.33e+02	124.0	128.3	7.00	n/a	4.70e-02	.33

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003654		Z	Strontium-89/90 High Level	uCi/g	93.55	1.30e-02	19.20	19.40	19.30	1.04	n/a	1.20e-02	9.27E-01
S95T003654		Z	Cobalt-60 by GEA	uCi/g	99.05	<7.21e-03	<1.07e-02	<8.88e-3	n/a	n/a	n/a	7.00e-03	n/a
S95T003654		Z	Cesium-137 by GEA	uCi/g	101.6	<6.44e-03	1.15e+02	125.0	120.0	8.33	n/a	6.00e-03	.31
S95T003654		Z	Alpha of Digested Solid	uCi/g	89.58	1.10e-02	3.30e-02	3.49e-02	3.40e-02	5.60	n/a	1.10e-02	3.27E+01

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003655		Z	Strontium-89/90 High Level	uCi/g	93.55	1.30e-02	19.50	18.20	18.85	6.90	n/a	1.20e-02	9.01E-01
S95T003655		Z	Cobalt-60 by GEA	uCi/g	99.05	<7.21e-03	<1.12e-02	<1.12e-2	n/a	n/a	n/a	7.00e-03	n/a
S95T003655		Z	Cesium-137 by GEA	uCi/g	101.6	<6.44e-03	1.24e+02	115.0	119.7	7.53	n/a	6.00e-03	.30
S95T003655		Z	Alpha of Digested Solid	uCi/g	89.58	1.10e-02	2.79e-02	2.59e-02	2.69e-02	7.43	81.12	1.00e-02	3.61E+01

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 6

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003656		Z	Strontium-89/90 High Level	uCi/g	93.55	1.30e-02	17.90	17.70	17.80	1.12	n/a	1.10e-02	9.02E-01
S95T003656		Z	Cobalt-60 by GEA	uCi/g	99.05	<7.21e-03	<8.99e-03	<9.21e-3	n/a	n/a	n/a	7.00e-03	n/a
S95T003656		Z	Cesium-137 by GEA	uCi/g	101.6	<6.44e-03	1.19e+02	120.0	119.5	0.84	n/a	6.00e-03	.29

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003657		Z	Strontium-89/90 High Level	uCi/g	93.55	1.30e-02	14.50	16.30	15.40	11.7	n/a	1.00e-02	9.57E-01
S95T003657		Z	Cobalt-60 by GEA	uCi/g	99.05	<7.21e-03	<6.97e-03	<8.28e-3	n/a	n/a	n/a	7.00e-03	n/a
S95T003657		Z	Cesium-137 by GEA	uCi/g	101.6	<6.44e-03	1.34e+02	134.0	134.2	0.00	n/a	6.00e-03	.28

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003658		Z	Strontium-89/90 High Level	uCi/g	95.16	<4.33e-03	19.10	19.20	19.15	0.52	n/a	5.00e-03	6.25E-01
S95T003658		Z	Cobalt-60 by GEA	uCi/g	98.09	<5.70e-03	<1.03e-02	<9.40e-3	n/a	n/a	n/a	6.00e-03	n/a
S95T003658		Z	Cesium-137 by GEA	uCi/g	101.6	<1.40e-02	1.15e+02	100.0	107.7	14.0	n/a	1.40e-02	.31
S95T003658		Z	Alpha of Digested Solid	uCi/g	85.94	<6.61e-03	2.28e-02	2.06e-02	2.17e-02	10.1	n/a	9.00e-03	3.80E+01

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003659		Z	Strontium-89/90 High Level	uCi/g	95.16	<4.33e-03	21.60	20.10	20.85	7.19	n/a	6.00e-03	6.07E-01
S95T003659		Z	Cobalt-60 by GEA	uCi/g	100.5	<1.08e-02	<1.70e-02	<1.55e-2	n/a	n/a	n/a	1.10e-02	n/a
S95T003659		Z	Cesium-137 by GEA	uCi/g	100.8	<1.39e-02	1.33e+02	116.0	124.5	13.7	n/a	1.40e-02	.34
S95T003659		Z	Alpha of Digested Solid	uCi/g	85.94	<6.61e-03	3.14e-02	2.50e-02	2.82e-02	22.7	78.32	1.00e-02	3.62E+01

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 7

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003660		Z	Strontium-89/90 High Level	uCi/g	95.16	<4.33e-03	29.50	30.30	29.90	2.68	n/a	6.00e-03	5.18E-01
S95T003660		Z	Cobalt-60 by GEA	uCi/g	100.5	<1.08e-02	<1.66e-02	<1.68e-2	n/a	n/a	n/a	1.10e-02	n/a
S95T003660		Z	Cesium-137 by GEA	uCi/g	100.8	<1.39e-02	1.40e+02	154.0	146.9	9.52	n/a	1.40e-02	.33

B Second Quarter of Segment: B Second Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003661		Z	Strontium-89/90 High Level	uCi/g	95.16	<4.33e-03	24.00	23.40	23.70	2.53	n/a	5.00e-03	5.57E-01
S95T003661		Z	Cobalt-60 by GEA	uCi/g	100.5	<1.08e-02	<1.71e-02	<1.74e-2	n/a	n/a	n/a	1.10e-02	n/a
S95T003661		Z	Cesium-137 by GEA	uCi/g	100.8	<1.39e-02	1.36e+02	135.0	135.8	0.74	n/a	1.40e-02	.33

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003662		Z	Strontium-89/90 High Level	uCi/g	93.56	<1.00e-02	23.70	26.00	24.85	9.26	n/a	1.00e-02	8.10E-01
S95T003662		Z	Cobalt-60 by GEA	uCi/g	97.13	<3.39e-03	<8.45e-03	<9.46e-3	n/a	n/a	n/a	3.00e-03	n/a
S95T003662		Z	Cesium-137 by GEA	uCi/g	100.4	<1.31e-02	1.20e+02	131.0	125.3	8.76	n/a	1.30e-02	.29
S95T003662		Z	Alpha of Digested Solid	uCi/g	85.42	<4.93e-03	3.25e-02	3.61e-02	3.43e-02	10.5	n/a	1.00e-02	3.33E+01

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003663		Z	Uranium by Phosphorescence	ug/g	113.3	54.80	2.57e+04	2.35e+04	2.46e+04	8.94	93.50	1.700	3.10E+00
S95T003663		Z	Strontium-89/90 High Level	uCi/g	93.56	<1.00e-02	8.57e+02	802.0	829.5	6.63	n/a	2.16e-01	6.23E-01
S95T003663		Z	Cobalt-60 by GEA	uCi/g	97.13	<3.39e-03	<1.58e-02	<1.24e-2	n/a	n/a	n/a	3.00e-03	n/a
S95T003663		Z	Cesium-137 by GEA	uCi/g	100.4	<1.31e-02	24.96	23.50	24.23	6.19	n/a	1.30e-02	.94
S95T003663		Z	Beta of Solid Sample	uCi/g	101.8	<1.91e-01	1.95e+03	1.82e+03	1.88e+03	6.90	98.96	2.86e-01	2.49E-01
S95T003663		Z	Alpha of Digested Solid	uCi/g	85.42	<4.93e-03	3.05e-01	2.11e-01	2.58e-01	36.4	77.04	2.22e-01	5.66E+01

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: 8

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003664		Z	Uranium by Phosphorescence	ug/g	103.6	21.90	2.40e+04	2.71e+04	2.56e+04	12.1	n/a	3.82e-01	3.75E+00
S95T003664		Z	Strontium-89/90 High Level	uCi/g	93.56	<1.00e-02	9.44e+02	904.0	924.0	4.33	n/a	2.40e-01	6.25E-01
S95T003664		Z	Cobalt-60 by GEA	uCi/g	97.13	<3.39e-03	<2.97e-02	<3.42e-2	n/a	n/a	n/a	3.00e-03	n/a
S95T003664		Z	Cesium-137 by GEA	uCi/g	100.4	<1.31e-02	48.66	41.00	44.83	17.2	n/a	1.30e-02	1.00
S95T003664		Z	Beta of Solid Sample	uCi/g	101.8	<1.91e-01	2.09e+03	1.94e+03	2.02e+03	7.44	n/a	4.28e-01	2.94E-01

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003665		Z	Strontium-89/90 High Level	uCi/g	93.56	<1.00e-02	3.14e+02	261.0	287.5	18.4	n/a	9.60e-02	6.87E-01
S95T003665		Z	Cobalt-60 by GEA	uCi/g	97.13	<3.39e-03	<2.15e-02	<2.29e-2	n/a	n/a	n/a	3.00e-03	n/a
S95T003665		Z	Cesium-137 by GEA	uCi/g	100.4	<1.31e-02	1.30e+02	137.0	133.6	5.24	n/a	1.30e-02	.60
S95T003665		Z	Alpha of Digested Solid	uCi/g	85.42	<4.93e-03	9.74e-02	1.28e-01	1.13e-01	27.2	79.59	1.19e-01	9.17E+01

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 116
SEGMENT #: CORE COMPOSITE

SEGMENT PORTION: Core Composite

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S96T000374		Z	Strontium-89/90 High Level	uCi/g	99.19	<5.35e-03	34.70	38.60	36.65	10.6	n/a	1.50e-02	8.17E-01
S96T000374		Z	Cobalt-60 by GEA	uCi/g	98.86	<1.39e-02	<1.68e-02	<2.43e-2	n/a	n/a	n/a	1.70e-02	n/a
S96T000374		Z	Cesium-137 by GEA	uCi/g	99.63	<1.78e-02	1.02e+02	100.0	101.2	1.98	n/a	n/a	0.500

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 1

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003771		Z	Cobalt-60 by GEA	uCi/g	96.67	<6.25e-03	<8.96e-03	<7.65e-3	n/a	n/a	n/a	6.00e-03	n/a
S95T003771		Z	Cesium-137 by GEA	uCi/g	99.21	<1.90e-02	98.16	108.0	103.1	9.51	n/a	1.90e-02	.38

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 2

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003786		Z	Strontium-89/90 High Level	uCi/g	100.3	<1.08e-02	21.30	20.80	21.05	2.38	n/a	2.20e-02	9.91E-01
S95T003786		Z	Cobalt-60 by GEA	uCi/g	97.74	<6.57e-03	<7.84e-03	<8.01e-3	n/a	n/a	n/a	7.00e-03	n/a
S95T003786		Z	Cesium-137 by GEA	uCi/g	97.44	<1.64e-02	45.49	44.90	45.20	1.33	n/a	1.60e-02	.56
S95T003786		Z	Alpha of Digested Solid	uCi/g	83.77	<6.47e-02	<6.47e-02	<6.49E-2	n/a	n/a	75.26	1.47e-01	5.00E+02

D Bottom Quarter of Segment: D Bottom Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003787		Z	Strontium-89/90 High Level	uCi/g	100.3	<1.08e-02	72.20	67.60	69.90	6.58	n/a	2.640	6.41E+00
S95T003787		Z	Cobalt-60 by GEA	uCi/g	97.74	<6.57e-03	5.15e-02	<3.38e-2	n/a	n/a	n/a	7.00e-03	29.29
S95T003787		Z	Cesium-137 by GEA	uCi/g	97.44	<1.64e-02	2.35e+02	245.0	240.0	4.17	n/a	1.60e-02	.35
S95T003787		Z	Alpha of Digested Solid	uCi/g	83.77	<6.47e-02	<1.26e-01	<1.53E-1	n/a	n/a	78.06	2.87e-01	5.00E+02

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 3

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003811		Z	Uranium by Phosphorescence	ug/g	97.18	<1.650	9.90e+02	1.03e+03	1.01e+03	3.96	118.0	1.650	1.5
S95T003811		Z	Cobalt-60 by GEA	uCi/g	96.67	<6.25e-03	<5.93e-03	<6.29e-3	n/a	n/a	n/a	6.00e-03	n/a
S95T003811		Z	Cesium-137 by GEA	uCi/g	99.21	<1.90e-02	1.28e+02	123.0	125.8	3.98	n/a	1.90e-02	.20
S95T003811		F	Beta of Solid Sample	uCi/g	97.71	4.80e-02	1.67e+02	165.0	166.0	1.20	107.3	1.40e-02	3.10E-01

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003788		Z	Uranium by Phosphorescence	ug/g	113.3	46.80	7.55e+03	7.52e+03	7.54e+03	0.40	88.22	1.790	3.10E+00
S95T003788		Z	Strontium-89/90 High Level	uCi/g	100.3	<1.08e-02	1.77e+03	1.75e+03	1.76e+03	1.14	n/a	9.76e-01	7.21E-01
S95T003788		Z	Cobalt-60 by GEA	uCi/g	97.74	<6.57e-03	<2.27e-02	<2.05e-2	n/a	n/a	n/a	7.00e-03	n/a
S95T003788		Z	Cesium-137 by GEA	uCi/g	97.44	<1.64e-02	1.21e+02	115.0	118.2	5.08	n/a	1.60e-02	.49
S95T003788		Z	Beta of Solid Sample	uCi/g	99.54	1.64e-01	5.05e+02	464.0	484.5	8.46	98.96	6.50e-02	2.31E-01
S95T003788		Z	Alpha of Digested Solid	uCi/g	85.06	<3.64e-01	7.14e-01	8.45e-01	7.79e-01	16.8	79.34	4.44e-01	5.01E+01

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 4

SEGMENT PORTION: U Upper Half of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003812		Z	Cobalt-60 by GEA	uCi/g	96.67	<6.25e-03	<5.11e-03	<5.56e-3	n/a	n/a	n/a	6.00e-03	n/a
S95T003812		Z	Cesium-137 by GEA	uCi/g	99.21	<1.90e-02	52.11	56.10	54.11	7.39	n/a	1.90e-02	.33

115.1

Radiochemistry Analytical Summary - Cores 116 & 117
BY104 ROTARY

CORE NUMBER: 117
SEGMENT #: 5

SEGMENT PORTION: A Top Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003789		Z	Strontium-89/90 High Level	uCi/g	90.32	<7.27e-03	18.30	19.30	18.80	5.32	n/a	1.50e-02	1.04E+00
S95T003789		Z	Cobalt-60 by GEA	uCi/g	97.74	<6.57e-03	<9.18e-03	<1.08e-2	n/a	n/a	n/a	7.00e-03	n/a
S95T003789		Z	Cesium-137 by GEA	uCi/g	97.44	<1.64e-02	68.48	72.50	70.49	5.67	n/a	1.60e-02	.46
S95T003789		Z	Alpha of Digested Solid	uCi/g	85.06	<3.64e-01	1.57e-02	1.35e-02	1.46e-02	15.1	65.56	5.00e-03	3.13E+01

C Third Quarter of Segment: C Third Quarter of Segment

Sample#	R	A#	Analyte	Unit	Standard %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Count Err%
S95T003790		Z	Strontium-89/90 High Level	uCi/g	100.3	<1.08e-02	27.10	29.90	28.50	9.82	n/a	2.00e-02	8.34E-01
S95T003790		Z	Cobalt-60 by GEA	uCi/g	97.74	<6.57e-03	<9.46e-03	<1.03e-2	n/a	n/a	n/a	7.00e-03	n/a
S95T003790		Z	Cesium-137 by GEA	uCi/g	97.44	<1.64e-02	86.24	85.10	85.67	1.28	n/a	1.60e-02	.40
S95T003790		Z	Alpha of Digested Solid	uCi/g	83.77	<6.47e-02	<6.16e-02	<7.76E-2	n/a	n/a	81.38	1.40e-01	5.00E+02

115.2

CHAIN OF CUSTODY FORMS

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CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 95-285 (3) Supervisor [illegible]

(4) Tank BY-104 (5) Riser 11A (6) Segment 3 (7) Core 117 (8) Cask Serial Number C1045

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5 mr/hr	.6 mR/HR
Side Dose Rate	20 mr/hr	18 mR/HR
Bottom Dose Rate	15 mr/hr	12 mR/HR
Smearable Contamination	<D (Alpha)	<20 dpm (Alpha)
	<D (Beta-Gamma)	<1000 dpm (Beta-Gamma)
RCT (HPT)	[illegible] (Signature)	RCT* (HPT) [illegible] (Signature)

(10) Shipment Description

A. Work Package Number	ES-95-00468
B. Cask Seal Number	3288
C. Sampler Serial Number	95-061
D. Date and Time Sampler Unseated	11-15-95 2020
E. Expected Liquid Content	0%
F. Expected Solid Content	100%
G. Dose Rate Through Drill String	1.2 r
H. Expected Sample Length	19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

118

(12) Field Comments
222S Lab.
1" MASS of WASTE ON bottom of SAMPLER
X-RAY MACHINE NOT WORKING

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-104	222S Lab	Blinn L Hall Blinn L Hall		

(19) Relinquished By (Sign and PRINT)	(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
Blinn L Hall Blinn L Hall	[illegible] CES Byrd	11-17-95 11:37	

(23) Relinquished By (Sign and PRINT)	(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
[illegible] CES Byrd	N Lapiers N LAPIERS	11-17-95 1245	

(27) Relinquished By (Sign and PRINT)	(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No

DISTRIBUTION: White - Office of Sample Management Yellow - Recipient of Sample Pink - Core Sampling, S6-85 Goldenrod - Tank Farm Operations, S4-43 BC-6000-309 (02/94)

WHC-SD-WM-DP-164, REV. 1

05/02/96 14:14 509 373 1432 003

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 95-284 (3) Supervisor [illegible]

(4) Tank BY-104 (5) Riser 11A (6) Segment 2 (7) Core 117 (8) Cask Serial Number L1039

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	20.5 mr/hr	20.5 mR/HR
Side Dose Rate	20 mr/hr	24 mR/HR
Bottom Dose Rate	5 mr/hr	5 mR/HR
Smearable Contamination	<20 (Alpha)	<20 (Alpha)
	<20 (Beta-Gamma)	<1000 (Beta-Gamma)
RCT* (HPT)	[illegible] (Signature)	RCT* (HPT) [illegible] (Signature)

(10) Shipment Description	
A. Work Package Number	ES-95-00468
B. Cask Seal Number	2368
C. Sampler Serial Number	95-060
D. Date and Time Sampler Unseated	11-15-95/1010
E. Expected Liquid Content	40 %
F. Expected Solid Content	60 %
G. Dose Rate Through Drill String	1.3 R/HR
H. Expected Sample Length	19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

119

COPY

WHC-SD-WM-DP-164, REV. 1

(12) Field Comments

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-104	222-S	Blinn L Hall Blinn L Hall		
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
Blinn L Hall Blinn L Hall		[illegible] C E Byd	11-17-95 11:32	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
[illegible] C E Byd		N Lapiers N LAPIERS	1215 11-17-95	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No

DISTRIBUTION: White - Office of Sample Management Yellow - Recipient of Sample Pink - Core Sampling, S6-85 Goldenrod - Tank Farm Operations, S4-43 BC-6000-309 (02/94)

COPY

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-95-IF (2) Sample Number 95-275 (3) Supervisor [illegible]

(4) Tank ~~BY-204~~ BY104 (5) Riser 5 (6) Segment 1 (7) Core 116 (8) Cask Serial Number 54

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5 mR/hr	<.5 mR/hr
Side Dose Rate	<.5 mR/hr	<.5 mR/hr
Bottom Dose Rate	<.5 mR/hr	<.5 mR/hr
Smearable Contamination	<20 dpm (Alpha)	<20 dpm (Alpha)
	<1000 dpm (Beta-Gamma)	<1000 dpm (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description

A. Work Package Number	ES-95-00468
B. Cask Seal Number	~~1357~~ JA 1609 JA
C. Sampler Serial Number	95-044
D. Date and Time Sampler Unseated	10/31/95 @ 2005
E. Expected Liquid Content	5 %
F. Expected Solid Content	95 %
G. Dose Rate Through Drill String	<.5 mR/HR
H. Expected Sample Length	8 1/2

(11) INFORMATION (Include statement of laboratory tests to be performed.)

120

(12) Field Comments XRI SHOWS 0% RECOVERY

Part of waste Tank Sample seal missing So applied new seal – JA

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender, Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY104	222S	DC Hartley DC Hartley	11/1/95 0040	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
DC Hartley DC Hartley		[illegible] James K Fairbanks	11-1-95/1009	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
James K Fairbanks James Fairbanks		EE Dabos EE Dabos	11-1-95/1055	
(27) Relinquished By (Sign and PRINT)		**(28) Received By (Sign and PRINT)**	**(29) Date/Time**	**(30) Receiver Comments**

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

WHC-SD-WM-DP-164, REV. 0

BY-104 C 116 S 59 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200-W0 & TF (2) Sample Number 95-278 (3) Supervisor R. Frank Frost

(4) Tank By-104 (5) Riser 5 (6) Segment 4 (7) Core 116 (8) Cask Serial Number 11-G

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5 mR/hr	<.5 mR/hr
Side Dose Rate	17 mR/hr	17 mR/hr
Bottom Dose Rate	10 mR/hr	10 mR/hr
Smearable Contamination	<20 dpm (Alpha)	<20 dpm (Alpha)
	<1000 dpm (Beta-Gamma)	<1000 dpm (Beta-Gamma)
RCT* (HPT)	R Klein (Signature)	R Klein (Signature)

(10) Shipment Description

A. Work Package Number	ES-95-00468
B. Cask Seal Number	~~3225~~ 94 3210
C. Sampler Serial Number	95-052
D. Date and Time Sampler Unseated	11-2-95 0415
E. Expected Liquid Content	10%
F. Expected Solid Content	90%
G. Dose Rate Through Drill String	1.2 mR
H. Expected Sample Length	19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

121

(12) Field Comments: X-RAY shows 13.44" of SAMPLE 73% RECOVERY

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
By-110	222S LAB	D C Hartley	11/3/95 1031	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
D C Hartley		C E Byrd	11-3-95 11:00	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
C E Byrd		N. Lapiers N. LAPIERS	11-3-95 10:46	
(27) Relinquished By (Sign and PRINT)		**(28) Received By (Sign and PRINT)**	**(29) Date/Time**	**(30) Receiver Comments**

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☒ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No

DISTRIBUTION: White - Office of Sample Management Yellow - Recipient of Sample Pink - Core Sampling, S6-85 Goldenrod - Tank Farm Operations, S4-43 BC-6000-309 (02/94)

WHC-SD-WM-DP-164, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

COPY

(1) Shipment Number 200 W 08 TT (2) Sample Number 95-277 (3) Supervisor Zane Lampman 24 CEB

(4) Tank BY-104 (5) Riser 5 (6) Segment 3 (7) Core 116 (8) Cask Serial Number HG

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5 mR/hr	<.5 mR/hr
Side Dose Rate	4 mR/hr	4 mR/hr
Bottom Dose Rate	2 mR/hr	2 mR/hr
Smearable Contamination	<20 dpm (Alpha)	<20 dpm (Alpha)
	<4000 dpm (Beta-Gamma)	<4000 dpm (Beta-Gamma)
RCT* (HPT)	R Olin (Signature)	R Olin (Signature)

(10) Shipment Description

A. Work Package Number	ES-95-00468
B. Cask Seal Number	1358
C. Sampler Serial Number	95-0552
D. Date and Time Sampler Unseated	11-1-95 / 2143
E. Expected Liquid Content	5 %
F. Expected Solid Content	95 %
G. Dose Rate Through Drill String	100 mR/HR
H. Expected Sample Length	19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

122

(12) Field Comments XRI SHOWS 63 % RECOVERY
Per TSL Core changes ~~date~~ time on sort to match CC
Per DAN Hartley 11/03/95

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-104	222-S	D Hartley	11/3/95 1030	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
D Hartley		C E Byd	11-3-95 11:00	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
C E Byd		N. LAPIERS	11-3-95 11:45	
(27) Relinquished By (Sign and PRINT)		**(28) Received By (Sign and PRINT)**	**(29) Date/Time**	**(30) Receiver Comments**

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

WHC-SD-WM-DP-164, REV. 1

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-88-TF (2) Sample Number 95-283 (3) Supervisor M.C. JONES

(4) Tank BY-104 (5) Riser 11A (6) Segment 1 (7) Core 117 (8) Cask Serial Number 1047

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5 mr/hr	<.5 mr
Side Dose Rate	25 mr/hr	24
Bottom Dose Rate	10 mr/hr	12
Smearable Contamination	<D (Alpha)	<D (Alpha)
	<D (Beta-Gamma)	<D (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description

A. Work Package Number	ES-95-00468
B. Cask Seal Number	3248
C. Sampler Serial Number	95-059
D. Date and Time Sampler Unseated	11-15-95 / 5:47 AM
E. Expected Liquid Content	~~0%~~ 100%
F. Expected Solid Content	0% ~~100%~~
G. Dose Rate Through Drill String	1.5 R/HR
H. Expected Sample Length	7"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

123

COPY

(12) Field Comments

X-RAY showed 6½" of Liquid in sampler.

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-104	222-S	M.C. Jones M.C. Jones		
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
Blinn L Hall Blinn L Hall		James R. Fuhrer James R. Fuhrer	11-17-95/1205	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
James R. Fuhrer James R. Fuhrer		N LAPIERS N Lapiers	11-17-95/1242	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

WHC-SD-WM-DP-164, REV 1

DISTRIBUTION: White - Office of Sample Management Yellow - Recipient of Sample Pink - Core Sampling, S6-85 Goldenrod - Tank Farm Operations, S4-43 BC-6000-309 (02/94)

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 95-286 (3) Supervisor R. Frank Foot

(4) Tank BY-104 (5) Riser 11A (6) Segment 4 (7) Core 117 (8) Cask Serial Number C1041

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5	<0.5 mr/hr
Side Dose Rate	10 mr/hr	7 mR/HR
Bottom Dose Rate	3 mr/hr	3.5 mR/HR
Smearable Contamination	<D (Alpha)	<20 DPM (Alpha)
	<D (Beta-Gamma)	<1000 DPM (Beta-Gamma)
	RCT* (HPT) (Signature)	RCT* (HPT) (Signature)

(10) Shipment Description

A. Work Package Number	ES-95-00468
B. Cask Seal Number	3292
C. Sampler Serial Number	95-058
D. Date and Time Sampler Unseated	11-15-95 2140
E. Expected Liquid Content	0%
F. Expected Solid Content	100%
G. Dose Rate Through Drill String	350 MR
H. Expected Sample Length	19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

124

(12) Field Comments
2225 Lab
small amount of waste on bottom of sampler 1/4"
X-Ray machine out of service

(34) Laboratory Comments

COPY

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-104	2225 Lab	Blinn L Hall Blinn L Hall		

(19) Relinquished By (Sign and PRINT)	(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
Blinn L Hall Blinn L Hall	C E Byrd C E Byrd	11-17-95 11:35	

(23) Relinquished By (Sign and PRINT)	(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
C E Byrd C E Byrd	N Lapiers N LAPIERS	1245 11-17-95	

(27) Relinquished By (Sign and PRINT)	(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No

DISTRIBUTION: White - Office of Sample Management Yellow - Recipient of Sample Pink - Core Sampling, S6-85 Goldenrod - Tank Farm Operations, S4-43 BC-6000-309 (02/94)

WHC-SD-WM-DP-164, REV 1

05/02/96 14:15 509 373 1432 004

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 95-287 (3) Supervisor M.C. Jones

(4) Tank BY-104 (5) Riser 11A (6) Segment 5 (7) Core 167 (8) Cask Serial Number C-1055

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5 mr/hr	<.5 mr/hr
Side Dose Rate	8 mr/hr	14
Bottom Dose Rate	5 mr/hr	8
Smearable Contamination	<D (Alpha)	<D (Alpha)
	<D (Beta-Gamma)	<D (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description	
A. Work Package Number	ES-95-0468
B. Cask Seal Number	3219
C. Sampler Serial Number	95-056
D. Date and Time Sampler Unseated	11-16-95 / 2:46
E. Expected Liquid Content	0%
F. Expected Solid Content	100%
G. Dose Rate Through Drill String	50 MR/HR
H. Expected Sample Length	19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

125

(12) Field Comments

SAMPLE WAS only Push 3/4" Befor BOTTOM Alarm WENT OFF.

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-104	222-S	Blinn L Hall Blinn L Hall		
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
Blinn L Hall Blinn L Hall		James Fuhrhop	11-17-95 1205	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
James R. Fuhrhop Fuhrhop		N. Lapiers N. LAPIERS	11-17 1240	
(27) Relinquished By (Sign and PRINT)		**(28) Received By (Sign and PRINT)**	**(29) Date/Time**	**(30) Receiver Comments**

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

DISTRIBUTION: White - Office of Sample Management Yellow - Recipient of Sample Pink - Core Sampling, S6-85 Goldenrod - Tank Farm Operations, S4-43 BC-6000-309 (02/94)

WHC-SD-WM-DP-164, REV 1

95/02/96 14:15 509 373 1432 NO

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

COPY

(1) Shipment Number 200 W 08 TT (2) Sample Number 95-277 (3) Supervisor [illegible]

(4) Tank BY-104 (5) Riser 5 (6) Segment 3 (7) Core 116 (8) Cask Serial Number HG

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5 mR/hr	<.5 mR/hr
Side Dose Rate	4 mR/hr	4 mR/hr
Bottom Dose Rate	2 mR/hr	2 mR/hr
Smearable Contamination	<20 dpm (Alpha)	<20 dpm (Alpha)
	4000 dpm (Beta-Gamma)	4000 dpm (Beta-Gamma)
RCT* (HPT)	R Klein (Signature)	R Klein (Signature)

(10) Shipment Description	
A. Work Package Number	ES-95-00468
B. Cask Seal Number	1358
C. Sampler Serial Number	95-252
D. Date and Time Sampler Unseated	11-1-95 / 2143
E. Expected Liquid Content	5 %
F. Expected Solid Content	95 %
G. Dose Rate Through Drill String	100 mR/HR
H. Expected Sample Length	19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

126

(12) Field Comments XRI SHOWS 63 % Recovery
Pox Tbl Cor changes ~~before~~ Times on sheet to match CC.
Pox DAW Hartley 11/03/95

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-104	222-S	DC Hartley	11/3/95 1050	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
DC Hartley		[illegible]	11-3-95 11:00	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
[illegible]		N. LAPIERS	11-3-95 11:45	
(27) Relinquished By (Sign and PRINT)		**(28) Received By (Sign and PRINT)**	**(29) Date/Time**	**(30) Receiver Comments**

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No	☑ Yes ☐ No

WHC-SD-WM-DP-164, REV 1

COPY

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 2aav-QC-IE (2) Sample Number 95-276 (3) Supervisor R. Frank Foot

(4) Tank By-104 (5) Riser 5 (6) Segment 2 (7) Core 116 (8) Cask Serial Number 16G

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5 mR/hr	<.5 mR/hr
Side Dose Rate	<.5 mR/hr	<.5 mR/hr
Bottom Dose Rate	5 mR/hr	5 mR/hr
Smearable Contamination	<20 dpm (Alpha)	<20 dpm (Alpha)
	<1000 dpm (Beta-Gamma)	<1000 dpm (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description

A. Work Package Number	ES-95-00468
B. Cask Seal Number	3211
C. Sampler Serial Number	95-051
D. Date and Time Sampler Unseated	11-1-95 0139
E. Expected Liquid Content	0%
F. Expected Solid Content	100%
G. Dose Rate Through Drill String	440 MR
H. Expected Sample Length	19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

127

(12) Field Comments

2225 LAB
X-RAY shows - 7½" SAMPLE
40% RECOVERY

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
By-104	2225 LAB	DC Hartley DC Hartley	11/1/95 0818	
(18) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
DC Hartley DC Hartley		James Faherty	11-1-95/1009	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
James R Faherty		EE Dukes EE Dukes	11-1-95/1055	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

WHC-SD-WM-DP-164, REV. 1

08/08/98 14:16 509 373 1432 008

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

COPY

(1) Shipment Number 200W-08-TF (2) Sample Number 95-280 (3) Supervisor Zane Lampman

(4) Tank BY-104 (5) Riser 5 (6) Segment 6 (7) Core 116 (8) Cask Serial Number 1009C

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5 mR/hr	<.5 mR/hr
Side Dose Rate	30 mR/hr	300 mR/hr
Bottom Dose Rate	10 mR/hr	10 mR/hr
Smearable Contamination	<20 dpm (Alpha)	<20 dpm (Alpha)
	<1000 dpm (Beta-Gamma)	<1000 dpm (Beta-Gamma)
RCT* (HPT)	R Klein (Signature)	R Klein (Signature)

(10) Shipment Description

A. Work Package Number ES-95-00468

B. Cask Seal Number 1359

C. Sampler Serial Number 95-045 1956

D. Date and Time Sampler Unseated 11-2-95 / ~~1254~~ 1100

E. Expected Liquid Content 70 %

F. Expected Solid Content 30 %

G. Dose Rate Through Drill String 1.3 R/HR

H. Expected Sample Length ZP 11-2-95 ~~1.3 R/HR~~ 19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

128

(12) Field Comments XRI SHOWS 17½" Recovery

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-204	222-S	D Hartley	11/2/95 1032	
(19) Relinquished By (Sign and PRINT)		(20) Received By (Sign and PRINT)	(21) Date/Time	(22) Receiver Comments
D Hartley		Jubal D Helms Jubal Helms	11/3/95 1040	
(23) Relinquished By (Sign and PRINT)		(24) Received By (Sign and PRINT)	(25) Date/Time	(26) Receiver Comments
Jubal Helms Jubal Helms		N. LAPIERS	1135 11-3-95	
(27) Relinquished By (Sign and PRINT)		(28) Received By (Sign and PRINT)	(29) Date/Time	(30) Receiver Comments

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
☒ Yes ☐ No	☒ Yes ☐ No	Shipment No. ☒ Yes ☐ No	Cask Seal No. ☒ Yes ☐ No	Sample No. ☒ Yes ☐ No

DISTRIBUTION: White - Office of Sample Management Yellow - Recipient of Sample Pink - Core Sampling, S6-85 Goldenrod - Tank Farm Operations, S4-43 BC-6000-309 (02/94)

WHC-SD-WM-DP-164, REV 1

05/02/96 14:19 509 373 1452 011

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 95-281 (3) Supervisor Zane Pennyman

(4) Tank BY-104 (5) Riser 5 (6) Segment 7 (7) Core 116 (8) Cask Serial Number C1041

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<.5 mR/hr	<.5 mR/hr
Side Dose Rate	20 mR/hr	20 mR/hr
Bottom Dose Rate	10 mR/hr	10 mR/hr
Smearable Contamination	<20 dpm (Alpha)	<20 dpm (Alpha)
	4000 dpm (Beta-Gamma) 11-3-95	4000 dpm (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description

A. Work Package Number	ES-95-00468
B. Cask Seal Number	1360
C. Sampler Serial Number	95-085 1930
D. Date and Time Sampler Unseated	11-2-95 / ~~1855~~
E. Expected Liquid Content	70%
F. Expected Solid Content	30%
G. Dose Rate Through Drill String	1.3 R/HR
H. Expected Sample Length	19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

129

(12) Field Comments

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-104	222-S	D C Hartley	11/3/95 1634	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
D C Hartley		Jubal Helms	11/3/95 1039	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
Jubal Helms		N. LAPIERS	11-3-95 1135	
(27) Relinquished By (Sign and PRINT)		**(28) Received By (Sign and PRINT)**	**(29) Date/Time**	**(30) Receiver Comments**

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

DISTRIBUTION: White - Office of Sample Management Yellow - Recipient of Sample Pink - Core Sampling, S6-35 Goldenrod - Tank Farm Operations, S4-43 BC-6000-309 (02/94)

WHC-SD-WM-DP-164, REV. 1

05/02/96 14:19 509 373 1432 012

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number 95-282 (3) Supervisor Gene Lampman

(4) Tank BY-104 (5) Riser 5 (6) Segment 8 (7) Core 116 (8) Cask Serial Number C1045

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	RK 11-3-95 ~~10mR/hr~~ <.5mR/hr	<.5mR/hr
Side Dose Rate	16mR/hr	16mR/hr
Bottom Dose Rate	10mR/hr	10mR/hr
Smearable Contamination	<20 dpm (Alpha)	<20 dpm (Alpha)
	<1000 dpm (Beta-Gamma)	<1000 dpm (Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description

A. Work Package Number	ES-95-00468
B. Cask Seal Number	1365
C. Sampler Serial Number	94-226
D. Date and Time Sampler Unseated	11-2-95 / (0210)
E. Expected Liquid Content	70%
F. Expected Solid Content	30%
G. Dose Rate Through Drill String	1R
H. Expected Sample Length	18½"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

130

(12) Field Comments

HBD Went off at 18½" into the stroke
60% Recovery 10" sample shown on X-Ray

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-104	2225 lab.	D Hartley D Hartley	11/3/95 1035	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
D Hartley D Hartley		Jubal Helms Jubal Helms	11/3/95 1038	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
Jubal Helms Jubal Helms		N. LAPIERS N. LAPIERS	11-3-95 1135	
(27) Relinquished By (Sign and PRINT)		**(28) Received By (Sign and PRINT)**	**(29) Date/Time**	**(30) Receiver Comments**

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

DISTRIBUTION: White - Office of Sample Management Yellow - Recipient of Sample Pink - Core Sampling, S6-85 Goldenrod - Tank Farm Operations, S4-43 BC-6000-309 (02/94)

WHC-SD-WM-DP-164, REV 1

05/02/95 14:20 509 373 1432 013

CHAIN-OF-CUSTODY RECORD FOR CORE SAMPLING

(1) Shipment Number 200W-08-TF (2) Sample Number BLANK (3) Supervisor M.C. Jones

(4) Tank BY-104 (5) Riser 5 (6) Segment BLANK. (7) Core 116 (8) Cask Serial Number C1016

Radiation Survey Data:	(9) FIELD	(33) LABORATORY
Over Top Dose Rate	<0.5	<0.5
Side Dose Rate	<0.5	<0.5
Bottom Dose Rate	<0.5	<0.5
Smearable Contamination	<20	<20
	(Alpha)	(Alpha)
	<1000	CLF
	(Beta-Gamma)	(Beta-Gamma)
RCT* (HPT)	(Signature)	RCT* (HPT) (Signature)

(10) Shipment Description	
A. Work Package Number	ES-95-00468
B. Cask Seal Number	3217
C. Sampler Serial Number	95-110
D. Date and Time Sampler Unseated	11-6-95 / 1:00 pm
E. Expected Liquid Content	100%
F. Expected Solid Content	0%
G. Dose Rate Through Drill String	<.5
H. Expected Sample Length	19"

(11) INFORMATION (Include statement of laboratory tests to be performed.)

131

(12) Field Comments

Field Blank deionized water in sampler.

(34) Laboratory Comments

(13) Point of Origin	(14) Destination	(15) Sender Name (Sign and PRINT)	(16) Date/Time	(17) Sender Comments
BY-104	222-S	M.C. Jones	11-6-95/1320	
(19) Relinquished By (Sign and PRINT)		**(20) Received By (Sign and PRINT)**	**(21) Date/Time**	**(22) Receiver Comments**
DOD PARKS		James L Fehrenbacher	11/6/95 1330	
(23) Relinquished By (Sign and PRINT)		**(24) Received By (Sign and PRINT)**	**(25) Date/Time**	**(26) Receiver Comments**
James L Fehrenbacher		N LAPIERS	11/6/95 1430	
(27) Relinquished By (Sign and PRINT)		**(28) Received By (Sign and PRINT)**	**(29) Date/Time**	**(30) Receiver Comments**

(18) Seal Intact Upon Release?	(31) Seal Intact Upon Receipt?	(32) Seal Data Consistent with this Record?		
		Shipment No.	Cask Seal No.	Sample No.
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

DISTRIBUTION: White - Office of Sample Management Yellow - Recipient of Sample Pink - Core Sampling, S6-85 Goldenrod - Tank Farm Operations, S4-43 BC-6000-309 (02/94)

WHC-SD-WM-DP-164, REV. 1

09/02/98 14:21 509 373 1432 014

PHOTOGRAPHS

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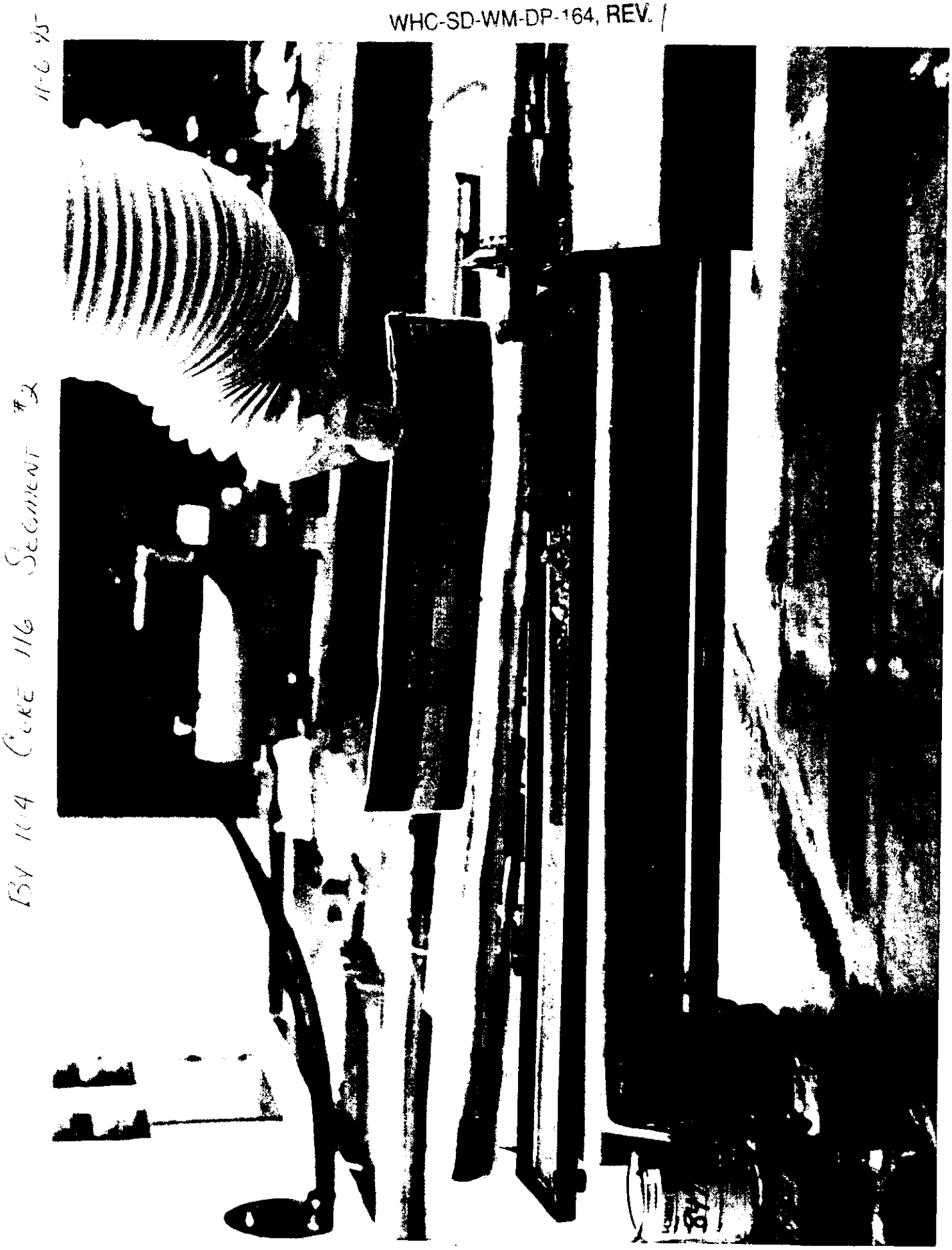
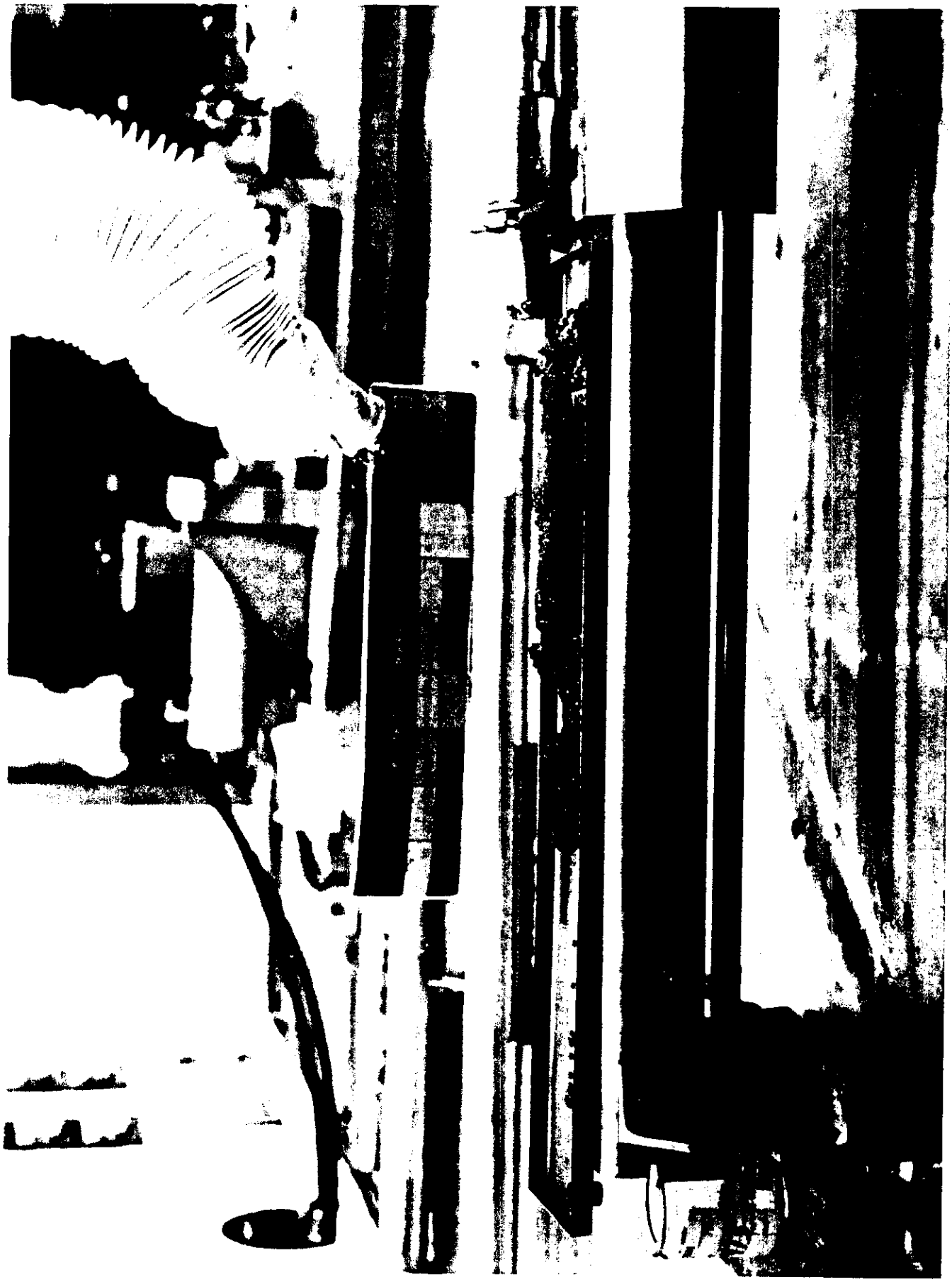
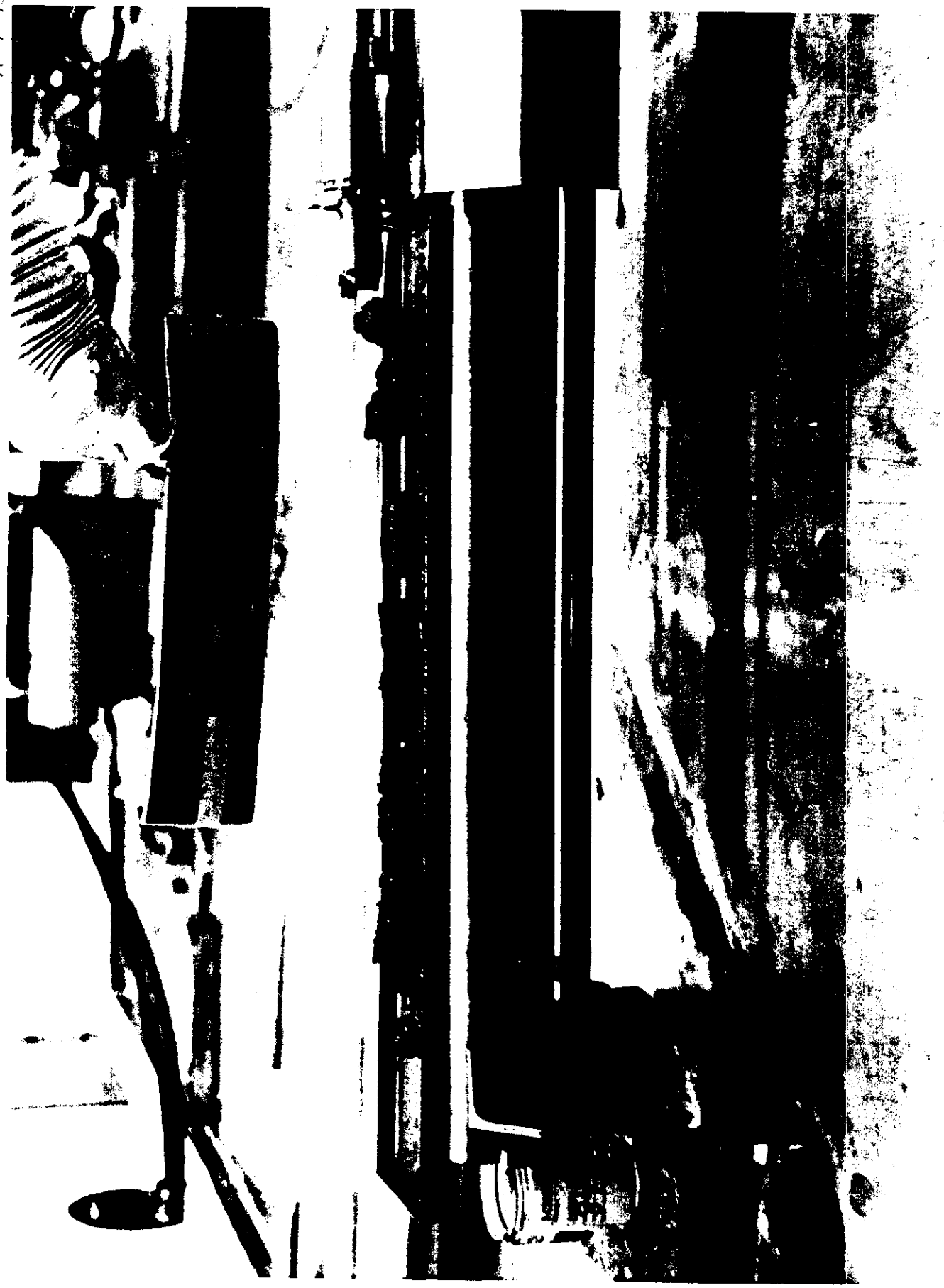
11-6-95
SY-101 Core 116 Segment #1


11-6-95
By 104 Core 116 Segment #2

11-7-95
BY-104 Core 116 Segment #3

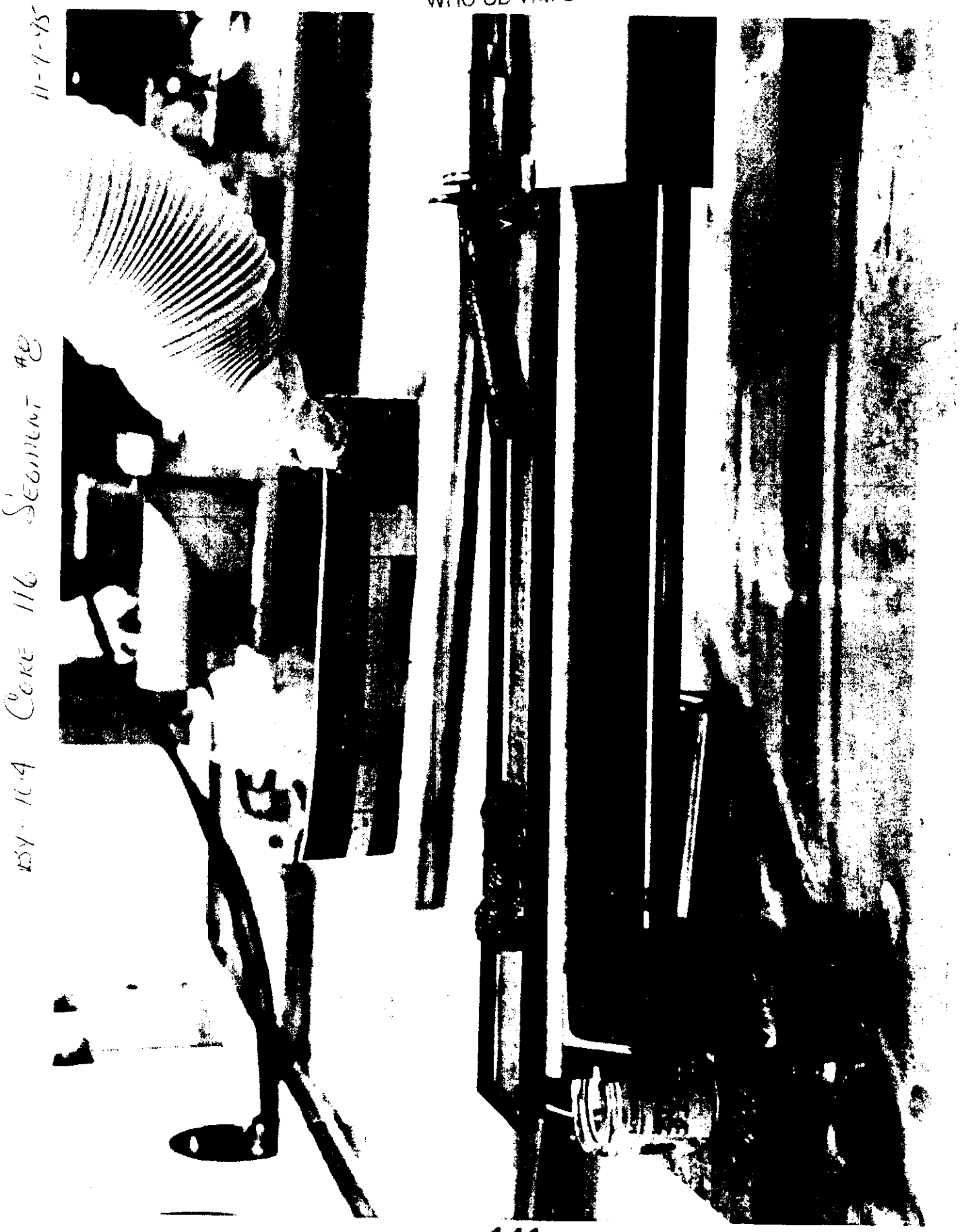

11-8-93
B1-104 Core 116 Segment #4


BY 104 Core 116 Segment #5
11-7-95

11-7-95
B1-104 Core 116 Segment #6

B-104 Core 116 Segment #7

11-9-85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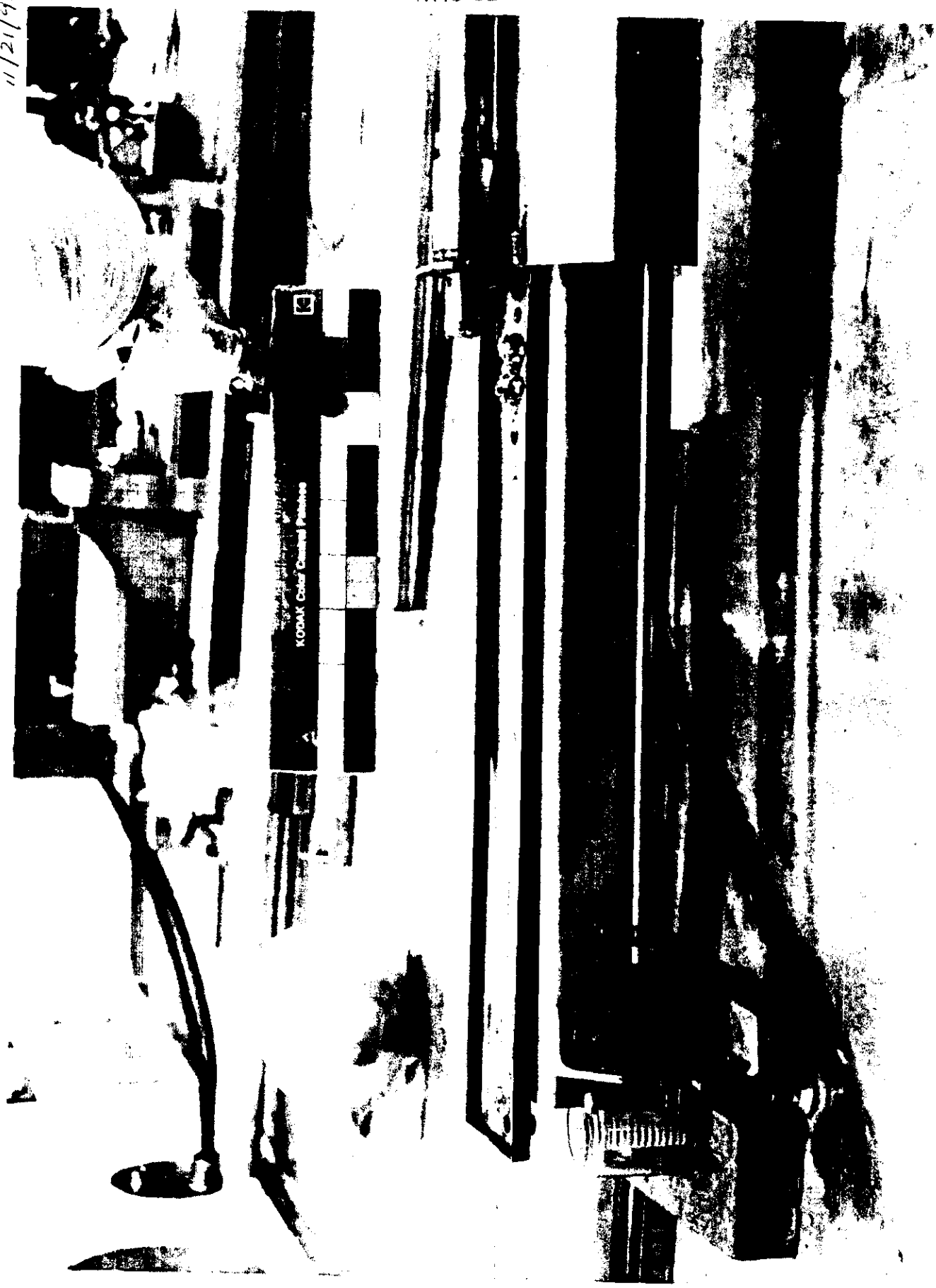
BY-104 CORE 116 SEGMENT #8

BY-104 CORE 116 FIELD BLANK

11-8-95

11/21/95

BY 104 CORE 117 SEGMENT #1

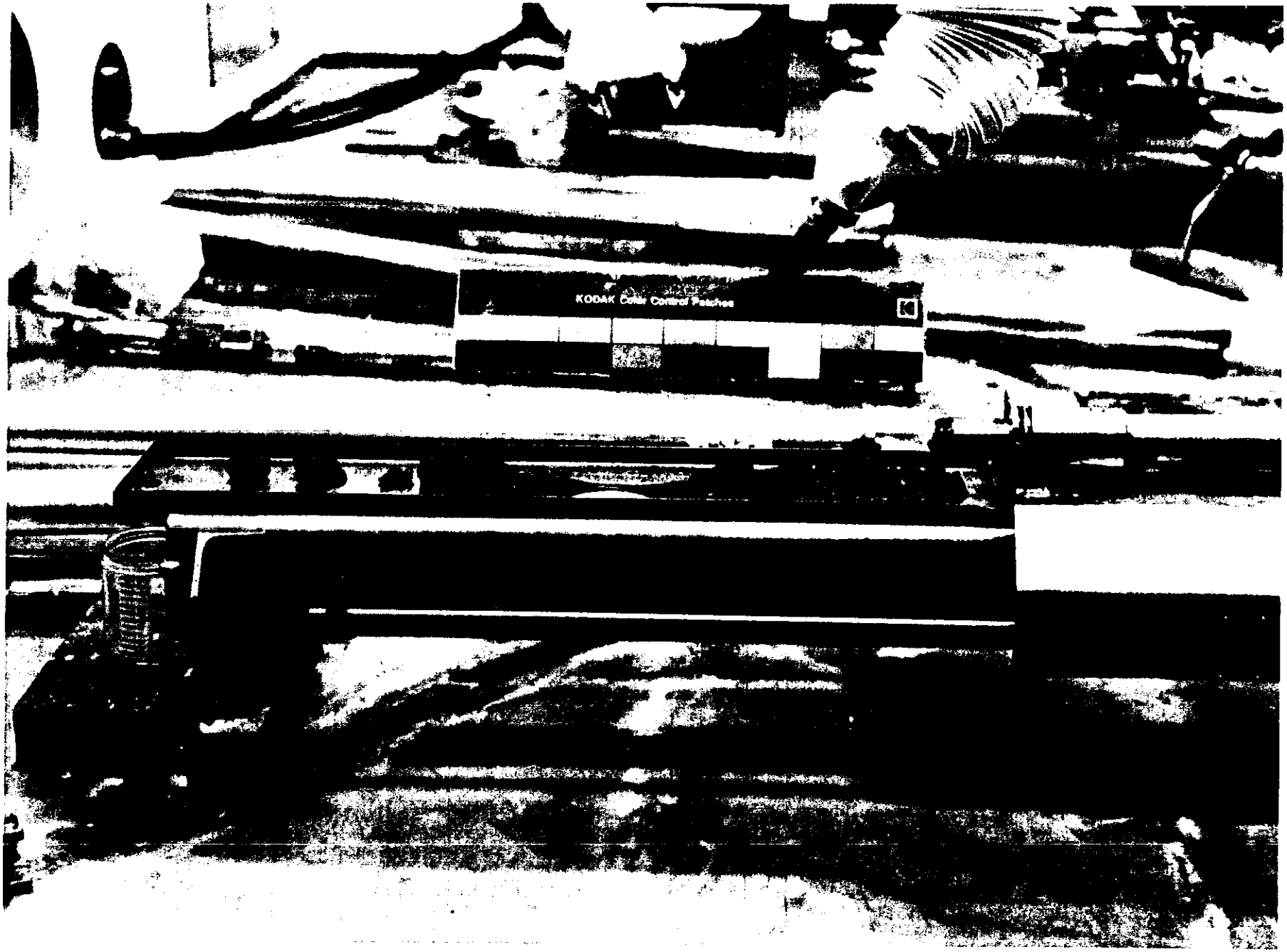


11-22-95

BY-104 Core 117 Segment #2

BY-104 CORE 117 SEGMENT #3

11-22-95



11-22-95
B1-104 Core 17 Segment 14

SAMPLE HANDLING

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LABCORE Data Entry Template for Worklist# 3253

Analyst: EC **Instrument:** BA000 _____ **Book #** N/A

Method: LO-160-103 Rev/Mod A-7

Worklist Comment: BY-104 C116 SEG #1 RISER 5 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	[illegible]	[illegible]	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	[illegible]	[illegible]	N/A	
95000180	BY104 ROTARY	3	SAMPLE	S95T003427	0		DLIQVOL1	SOLID	N/A	0		mL
95000180	BY104 ROTARY	4	SAMPLE	S95T003427	0		DLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	5	SAMPLE	S95T003427	0		EST.G/ML	SOLID	N/A	0		g/mL
95000180	BY104 ROTARY	6	SAMPLE	S95T003427	0		EXTRUD01	SOLID	N/A	complete		
95000180	BY104 ROTARY	7	SAMPLE	S95T003427	0		LLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	8	SAMPLE	S95T003427	0		NOTEBOOK	SOLID	N/A	N-[illegible]		
95000180	BY104 ROTARY	9	SAMPLE	S95T003427	0		SLDVOL01	SOLID	N/A	0		mL
95000180	BY104 ROTARY	10	SAMPLE	S95T003427	0		SLDWT-01	SOLID	N/A	0		g
95000180	BY104 ROTARY	11	SAMPLE	S95T003427	0		APPEAR01	SOLID	N/A	[illegible]		
95000180	BY104 ROTARY	12	SAMPLE	S95T003427	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3253

EC 11-7-95
Analyst Signature **Date**

EC 11-7-95
Analyst Signature **Date**

Reviewed by Arlin B. Bondy 11-8-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3254

Analyst: EC **Instrument:** BA000 _____ **Book #** N/A

Method: LO-160-103 Rev/Mod A-7

Worklist Comment: BY-104 C116 SEG #2 RISER 5 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	14.98	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	497.2	N/A	
95000180	BY104 ROTARY	3	SAMPLE	S95T003428	0		DLIQVOL1	SOLID	N/A	0		mL
95000180	BY104 ROTARY	4	SAMPLE	S95T003428	0		DLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	5	SAMPLE	S95T003428	0		EST.G/ML	SOLID	N/A	0		g/mL
95000180	BY104 ROTARY	6	SAMPLE	S95T003428	0		EXTRUD01	SOLID	N/A	Complete		
95000180	BY104 ROTARY	7	SAMPLE	S95T003428	0		LLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	8	SAMPLE	S95T003428	0		NOTEBOOK	SOLID	N/A	[illegible]		
95000180	BY104 ROTARY	9	SAMPLE	S95T003428	0		SLDVOL01	SOLID	N/A	N/A		mL
95000180	BY104 ROTARY	10	SAMPLE	S95T003428	0		SLDWT-01	SOLID	N/A	127.5		g
95000180	BY104 ROTARY	11	SAMPLE	S95T003428	0		APPEAR01	SOLID	N/A	complete		
95000180	BY104 ROTARY	12	SAMPLE	S95T003428	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3254

EJC 11-7-95
Analyst Signature **Date**

EJC 11-7-95
Analyst Signature **Date**

Reviewed by Arlo B. Amy 11-8-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3325

Analyst: SC **Instrument:** BA000 _____ **Book #** N/A

Method: LO-160-103 Rev/Mod A-7

Worklist Comment: BY-104 C116 SEG #3 RISER 5 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	19.98	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.70	N/A	
95000180	BY104 ROTARY	3	SAMPLE	S95T003519	0		DLIQVOL1	SOLID	N/A	0		mL
95000180	BY104 ROTARY	4	SAMPLE	S95T003519	0		DLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	5	SAMPLE	S95T003519	0		EST.G/ML	SOLID	N/A	0		g/mL
95000180	BY104 ROTARY	6	SAMPLE	S95T003519	0		EXTRUD01	SOLID	N/A	complete		
95000180	BY104 ROTARY	7	SAMPLE	S95T003519	0		LLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	8	SAMPLE	S95T003519	0		NOTEBOOK	SOLID	N/A	N-1269		
95000180	BY104 ROTARY	9	SAMPLE	S95T003519	0		SLDVOL01	SOLID	N/A	N/A		mL
95000180	BY104 ROTARY	10	SAMPLE	S95T003519	0		SLDWT-01	SOLID	N/A	192.5		g
95000180	BY104 ROTARY	11	SAMPLE	S95T003519	0		APPEAR01	SOLID	N/A	complete		
95000180	BY104 ROTARY	12	SAMPLE	S95T003519	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3325

[signature] 11-9-95
Analyst Signature **Date**

[signature] 11-9-95
Analyst Signature **Date**

[signature] 11-9-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3326

Analyst: SC **Instrument:** BA000 _____ **Book #** NA

Method: LO-160-103 Rev/Mod A.7

Worklist Comment: BY-104 C116 SEG #4 RISER 5 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	19.99	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.69	N/A	
95000180	BY104 ROTARY	3	SAMPLE	S95T003520	0		DLIQVOL1	SOLID	N/A	0		mL
95000180	BY104 ROTARY	4	SAMPLE	S95T003520	0		DLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	5	SAMPLE	S95T003520	0		EST.G/ML	SOLID	N/A	0		g/mL
95000180	BY104 ROTARY	6	SAMPLE	S95T003520	0		EXTRUD01	SOLID	N/A	Complete		
95000180	BY104 ROTARY	7	SAMPLE	S95T003520	0		LLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	8	SAMPLE	S95T003520	0		NOTEBOOK	SOLID	N/A	N-1269		
95000180	BY104 ROTARY	9	SAMPLE	S95T003520	0		SLDVOL01	SOLID	N/A	NA		mL
95000180	BY104 ROTARY	10	SAMPLE	S95T003520	0		SLDWT-01	SOLID	N/A	3243		g
95000180	BY104 ROTARY	11	SAMPLE	S95T003520	0		APPEAR01	SOLID	N/A	Complete		
95000180	BY104 ROTARY	12	SAMPLE	S95T003520	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3326

[illegible] 11-9-95
Analyst Signature **Date**

[illegible] 11-9-95
Analyst Signature **Date**

[illegible] 11-9-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3327

Analyst: EC **Instrument:** BA000 **Book #** N/A

Method: LO-160-103 Rev/Mod N-2

Worklist Comment: BY-104 C116 SEG #5 RISER 5 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	19.98	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.70	N/A	
95000180	BY104 ROTARY	3	SAMPLE	S95T003521	0		DLIQVOL1	SOLID	N/A	0		mL
95000180	BY104 ROTARY	4	SAMPLE	S95T003521	0		DLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	5	SAMPLE	S95T003521	0		EST.G/ML	SOLID	N/A	0		g/mL
95000180	BY104 ROTARY	6	SAMPLE	S95T003521	0		EXTRUD01	SOLID	N/A	complete		
95000180	BY104 ROTARY	7	SAMPLE	S95T003521	0		LLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	8	SAMPLE	S95T003521	0		NOTEBOOK	SOLID	N/A	N-1269		
95000180	BY104 ROTARY	9	SAMPLE	S95T003521	0		SLDVOL01	SOLID	N/A	NA		mL
95000180	BY104 ROTARY	10	SAMPLE	S95T003521	0		SLDWT-01	SOLID	N/A	402.5		g
95000180	BY104 ROTARY	11	SAMPLE	S95T003521	0		APPEAR01	SOLID	N/A	complete		
95000180	BY104 ROTARY	12	SAMPLE	S95T003521	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3327

11-9-95 — **Analyst Signature** **Date**

11-9-95 — **Analyst Signature** **Date**

Reviewed by [illegible] 11-9-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3328

Analyst: SC **Instrument:** BA000 **Book #** NH

Method: LO-160-103 Rev/Mod 4-7

Worklist Comment: BY-104 C116 SEG #6 RISER 5 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	17.49	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.71	N/A	
95000180	BY104 ROTARY	3	SAMPLE	S95T003522	0		DLIQVOL1	SOLID	N/A	0		mL
95000180	BY104 ROTARY	4	SAMPLE	S95T003522	0		DLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	5	SAMPLE	S95T003522	0		EST.G/ML	SOLID	N/A	0		g/mL
95000180	BY104 ROTARY	6	SAMPLE	S95T003522	0		EXTRUD01	SOLID	N/A	complete		
95000180	BY104 ROTARY	7	SAMPLE	S95T003522	0		LLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	8	SAMPLE	S95T003522	0		NOTEBOOK	SOLID	N/A	N-1261		
95000180	BY104 ROTARY	9	SAMPLE	S95T003522	0		SLDVOL01	SOLID	N/A	NA		mL
95000180	BY104 ROTARY	10	SAMPLE	S95T003522	0		SLDWT-01	SOLID	N/A	467.7		g
95000180	BY104 ROTARY	11	SAMPLE	S95T003522	0		APPEAR01	SOLID	N/A	complete		
95000180	BY104 ROTARY	12	SAMPLE	S95T003522	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3328

11-9-95
Analyst Signature **Date**

11-9-95
Analyst Signature **Date**

Reviewed by [illegible] 11-9-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3329

Analyst: EC **Instrument:** BA000 _____ **Book #** NA

Method: LO-160-103 Rev/Mod A-7

Worklist Comment: BY-104 C116 SEG #7 RISER 5 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	17.97	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	449.71	N/A	
95000180	BY104 ROTARY	3	SAMPLE	S95T003523	0		DLIQVOL1	SOLID	N/A	0		mL
95000180	BY104 ROTARY	4	SAMPLE	S95T003523	0		DLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	5	SAMPLE	S95T003523	0		EST.G/ML	SOLID	N/A	0		g/mL
95000180	BY104 ROTARY	6	SAMPLE	S95T003523	0		EXTRUD01	SOLID	N/A	Complete		
95000180	BY104 ROTARY	7	SAMPLE	S95T003523	0		LLIQWT01	SOLID	N/A	<5		g
95000180	BY104 ROTARY	8	SAMPLE	S95T003523	0		NOTEBOOK	SOLID	N/A	N-4269		
95000180	BY104 ROTARY	9	SAMPLE	S95T003523	0		SLDVOL01	SOLID	N/A	N/A		mL
95000180	BY104 ROTARY	10	SAMPLE	S95T003523	0		SLDWT-01	SOLID	N/A	468.4		g
95000180	BY104 ROTARY	11	SAMPLE	S95T003523	0		APPEAR01	SOLID	N/A	Complete		
95000180	BY104 ROTARY	12	SAMPLE	S95T003523	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3329

EC 11-9-95
Analyst Signature **Date**

EC 11-9-95
Analyst Signature **Date**

Reviewed by Arlo B. Leroy 11-9-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3330

Analyst: SC **Instrument:** BA000 **Book #** N/A

Method: LO-160-103 Rev/Mod A-7

Worklist Comment: BY-104 C116 SEG #8 RISER 5 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	19.99	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.71	N/A	
95000180	BY104 ROTARY	3	SAMPLE	S95T003524	0		DLIQVOL1	SOLID	N/A	0		mL
95000180	BY104 ROTARY	4	SAMPLE	S95T003524	0		DLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	5	SAMPLE	S95T003524	0		EST.G/ML	SOLID	N/A	0		g/mL
95000180	BY104 ROTARY	6	SAMPLE	S95T003524	0		EXTRUD01	SOLID	N/A	complete		
95000180	BY104 ROTARY	7	SAMPLE	S95T003524	0		LLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	8	SAMPLE	S95T003524	0		NOTEBOOK	SOLID	N/A	N-1269		
95000180	BY104 ROTARY	9	SAMPLE	S95T003524	0		SLDVOL01	SOLID	N/A	N/A		mL
95000180	BY104 ROTARY	10	SAMPLE	S95T003524	0		SLDWT-01	SOLID	N/A	258.3		g
95000180	BY104 ROTARY	11	SAMPLE	S95T003524	0		APPEAR01	SOLID	N/A	complete		
95000180	BY104 ROTARY	12	SAMPLE	S95T003524	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3330

[signature] 11-9-95
Analyst Signature **Date**

[signature] 11-9-95
Analyst Signature **Date**

[signature] 11-9-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3333

Analyst: EC **Instrument:** BA000 _____ **Book #** N/A

Method: LO-160-103 Rev/Mod A.7

Worklist Comment: BY-104 C116 FIELD BLANK RISER 5 EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	19.94	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.76	N/A	
95000180	BY104 ROTARY	3	SAMPLE	S95T003537	0		DLIQVOL1	SOLID	N/A	35		mL
95000180	BY104 ROTARY	4	SAMPLE	S95T003537	0		DLIQWT01	SOLID	N/A	235.7		g
95000180	BY104 ROTARY	5	SAMPLE	S95T003537	0		EST.G/ML	SOLID	N/A	1		g/mL
95000180	BY104 ROTARY	6	SAMPLE	S95T003537	0		EXTRUD01	SOLID	N/A	complete		
95000180	BY104 ROTARY	7	SAMPLE	S95T003537	0		LLIQWT01	SOLID	N/A	0		g
95000180	BY104 ROTARY	8	SAMPLE	S95T003537	0		NOTEBOOK	SOLID	N/A	N-1269		
95000180	BY104 ROTARY	9	SAMPLE	S95T003537	0		SLDVOL01	SOLID	N/A	NA		mL
95000180	BY104 ROTARY	10	SAMPLE	S95T003537	0		SLDWT-01	SOLID	N/A	0		g
95000180	BY104 ROTARY	11	SAMPLE	S95T003537	0		APPEAR01	SOLID	N/A	complete		
95000180	BY104 ROTARY	12	SAMPLE	S95T003537	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3333

EC 11-9-95
Analyst Signature **Date**

EC 11-9-95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3646

Analyst: EC **Instrument:** BA000 _____ **Book #** NA

Method: LO-160-103 Rev/Mod A-7

Worklist Comment: BY-104 C117 SEG #1 RISER 11A EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	19.97	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.47	N/A	
95000200	BY104 ROTARY	3	SAMPLE	S95T003738	0		DLIQVOL1	SOLID	N/A	110		mL
95000200	BY104 ROTARY	4	SAMPLE	S95T003738	0		DLIQWT01	SOLID	N/A	158.4		g
95000200	BY104 ROTARY	5	SAMPLE	S95T003738	0		EST.G/ML	SOLID	N/A	1.4		g/mL
95000200	BY104 ROTARY	6	SAMPLE	S95T003738	0		EXTRUD01	SOLID	N/A	complete		
95000200	BY104 ROTARY	7	SAMPLE	S95T003738	0		LLIQWT01	SOLID	N/A	0		g
95000200	BY104 ROTARY	8	SAMPLE	S95T003738	0		NOTEBOOK	SOLID	N/A	N-1269		
95000200	BY104 ROTARY	9	SAMPLE	S95T003738	0		SLDVOL01	SOLID	N/A	NA		mL
95000200	BY104 ROTARY	10	SAMPLE	S95T003738	0		SLDWT-01	SOLID	N/A	15.4		g
95000200	BY104 ROTARY	11	SAMPLE	S95T003738	0		APPEAR01	SOLID	N/A	complete		
95000200	BY104 ROTARY	12	SAMPLE	S95T003738	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3646

EC 11-22-95
Analyst Signature **Date**

EC 11-22-95
Analyst Signature **Date**

Reviewed by [illegible] 11-22-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3647

Analyst: EC **Instrument:** BA000 _____ **Book #** NH

Method: LO-160-103 Rev/Mod A-2

Worklist Comment: BY-104 C117 SEG #2 RISER 11A EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	19.97	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.46	N/A	
95000200	BY104 ROTARY	3	SAMPLE	S95T003739	0		DLIQVOL1	SOLID	N/A	70		mL
95000200	BY104 ROTARY	4	SAMPLE	S95T003739	0		DLIQWT01	SOLID	N/A	98.5		g
95000200	BY104 ROTARY	5	SAMPLE	S95T003739	0		EST.G/ML	SOLID	N/A	1.4		g/mL
95000200	BY104 ROTARY	6	SAMPLE	S95T003739	0		EXTRUD01	SOLID	N/A	complete		
95000200	BY104 ROTARY	7	SAMPLE	S95T003739	0		LLIQWT01	SOLID	N/A	0		g
95000200	BY104 ROTARY	8	SAMPLE	S95T003739	0		NOTEBOOK	SOLID	N/A	N-1269		
95000200	BY104 ROTARY	9	SAMPLE	S95T003739	0		SLDVOL01	SOLID	N/A	NA		mL
95000200	BY104 ROTARY	10	SAMPLE	S95T003739	0		SLDWT-01	SOLID	N/A	216.4		g
95000200	BY104 ROTARY	11	SAMPLE	S95T003739	0		APPEAR01	SOLID	N/A	complete		
95000200	BY104 ROTARY	12	SAMPLE	S95T003739	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3647

[signature] 11-22-95
Analyst Signature **Date**

[signature] 11-22-95
Analyst Signature **Date**

Reviewed by [signature] 11-22-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3648

Analyst: EC **Instrument:** BA000 _____ **Book #** NA

Method: LO-160-103 Rev/Mod A-7

Worklist Comment: BY-104 C117 SEG #3 RISER 11A EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	19.98	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.45	N/A	
95000200	BY104 ROTARY	3	SAMPLE	S95T003740	0		DLIQVOL1	SOLID	N/A	0		mL
95000200	BY104 ROTARY	4	SAMPLE	S95T003740	0		DLIQWT01	SOLID	N/A	0		g
95000200	BY104 ROTARY	5	SAMPLE	S95T003740	0		EST.G/ML	SOLID	N/A	0		g/mL
95000200	BY104 ROTARY	6	SAMPLE	S95T003740	0		EXTRUD01	SOLID	N/A	complete		
95000200	BY104 ROTARY	7	SAMPLE	S95T003740	0		LLIQWT01	SOLID	N/A	0		g
95000200	BY104 ROTARY	8	SAMPLE	S95T003740	0		NOTEBOOK	SOLID	N/A	N-1269		
95000200	BY104 ROTARY	9	SAMPLE	S95T003740	0		SLDVOL01	SOLID	N/A	NA		mL
95000200	BY104 ROTARY	10	SAMPLE	S95T003740	0		SLDWT-01	SOLID	N/A	251.5		g
95000200	BY104 ROTARY	11	SAMPLE	S95T003740	0		APPEAR01	SOLID	N/A	Complete		
95000200	BY104 ROTARY	12	SAMPLE	S95T003740	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3648

EC 11-22-95
Analyst Signature **Date**

EC 11-22-95
Analyst Signature **Date**

Reviewed by [illegible] 11-22-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3649

Analyst: EC **Instrument:** BA000 _____ **Book #** NA

Method: LO-160-103 Rev/Mod A-7

Worklist Comment: BY-104 C117 SEG #4 RISER 11A EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	19.97	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.46	N/A	
95000200	BY104 ROTARY	3	SAMPLE	S95T003741	0		DLIQVOL1	SOLID	N/A	0		mL
95000200	BY104 ROTARY	4	SAMPLE	S95T003741	0		DLIQWT01	SOLID	N/A	0		g
95000200	BY104 ROTARY	5	SAMPLE	S95T003741	0		EST.G/ML	SOLID	N/A	0		g/mL
95000200	BY104 ROTARY	6	SAMPLE	S95T003741	0		EXTRUD01	SOLID	N/A	complete		
95000200	BY104 ROTARY	7	SAMPLE	S95T003741	0		LLIQWT01	SOLID	N/A	0		g
95000200	BY104 ROTARY	8	SAMPLE	S95T003741	0		NOTEBOOK	SOLID	N/A	N-269		
95000200	BY104 ROTARY	9	SAMPLE	S95T003741	0		SLDVOL01	SOLID	N/A	NA		mL
95000200	BY104 ROTARY	10	SAMPLE	S95T003741	0		SLDWT-01	SOLID	N/A	169.3		g
95000200	BY104 ROTARY	11	SAMPLE	S95T003741	0		APPEAR01	SOLID	N/A	complete		
95000200	BY104 ROTARY	12	SAMPLE	S95T003741	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3649

[signature] 11-22-95
Analyst Signature **Date**

[signature] 11-22-95
Analyst Signature **Date**

Reviewed by [signature] 11-22-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3650

Analyst: EC **Instrument:** BA000 _____ **Book #** NA

Method: LO-160-103 Rev/Mod A-2

Worklist Comment: BY-104 C117 SEG #5 RISER 11A EXTRUSION

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	INSTCHK01				EXTRUD01	SOLID	20	19.98	N/A	
		2	INSTCHK02				EXTRUD01	SOLID	500	499.46	N/A	
95000200	BY104 ROTARY	3	SAMPLE	S95T003742	0		DLIQVOL1	SOLID	N/A	0		mL
95000200	BY104 ROTARY	4	SAMPLE	S95T003742	0		DLIQWT01	SOLID	N/A	0		g
95000200	BY104 ROTARY	5	SAMPLE	S95T003742	0		EST.G/ML	SOLID	N/A	0		g/mL
95000200	BY104 ROTARY	6	SAMPLE	S95T003742	0		EXTRUD01	SOLID	N/A	complete		
95000200	BY104 ROTARY	7	SAMPLE	S95T003742	0		LLIQWT01	SOLID	N/A	0		g
95000200	BY104 ROTARY	8	SAMPLE	S95T003742	0		NOTEBOOK	SOLID	N/A	N-1269		
95000200	BY104 ROTARY	9	SAMPLE	S95T003742	0		SLDVOL01	SOLID	N/A	NA		mL
95000200	BY104 ROTARY	10	SAMPLE	S95T003742	0		SLDWT-01	SOLID	N/A	98.1		g
95000200	BY104 ROTARY	11	SAMPLE	S95T003742	0		APPEAR01	SOLID	N/A	complete		
95000200	BY104 ROTARY	12	SAMPLE	S95T003742	0		ORGVOL01	SOLID	N/A	0		mL

Final page for worklist # 3650

11-22-95
Analyst Signature **Date**

11-22-95
Analyst Signature **Date**

Reviewed by [illegible] 11-22-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SAMPLE PREPARATIONS

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LABCORE Data Entry Template for Worklist# 3802

Analyst: [illegible] **Instrument:** FUS01 SN116355 **Book #** _____

Method: LA-549-141 Rev/Mod ~~D-E~~ E-0 LAD 4-20-96

Worklist Comment: BY-104 Fusion 3528->3530, 3632->3649. gll

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			FUS-ZR01	SOLID	~~.2500~~ 1.2500	.250	N/A	g/L
95000180	BY104 ROTARY	2 SAMPLE .5078g → .2500	S95T003530	0 Z	FUS-ZR01	SOLID	N/A	2.0312		g/L
95000180	BY104 ROTARY	3 SAMPLE	S95T003530	0 Z	DOSE-02	SOLID	N/A	25		mrad/hour
95000180	BY104 ROTARY	4 DUP .5802g → .2500	S95T003530	0 Z	FUS-ZR01	SOLID	2.0312	2.3212	N/A	g/L
95000180	BY104 ROTARY	5 DUP	S95T003530	0 Z	DOSE-02	SOLID	25	30	N/A	mrad/hour
95000180	BY104 ROTARY	6 SAMPLE 5856g → .2500	S95T003649	0 Z	FUS-ZR01	SOLID	N/A	2.3424		g/L
95000180	BY104 ROTARY	7 SAMPLE	S95T003649	0 Z	DOSE-02	SOLID	N/A	8		mrad/hour
95000180	BY104 ROTARY	8 DUP .5579g → .2500	S95T003649	0 Z	FUS-ZR01	SOLID	2.3424	2.2316	N/A	g/L
95000180	BY104 ROTARY	9 DUP	S95T003649	0 Z	DOSE-02	SOLID	8	8	N/A	mrad/hour

Final page for worklist # 3802

[illegible] Murphy, 12-7-95
Analyst Signature **Date**

Reviewed by RK Fuller 12/14/95

RK Fuller for Gary Lu Plant
Analyst Signature **Date**
12/14/95

3528 >
3632 > cell #10

Data Entry Comments: All QC & Samples - 20ml HCl, 30ml HNO3, <1% acid
HPT was Sig Standard

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4244

Analyst: [illegible] **Instrument:** FUS01 SN116355 **Book #** _____

Method: LA-549-141 Rev/Mod E-0

Worklist Comment: BY-104 C116 S4b,4c,5a,5b Zr Fusion rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				FUS-ZR01	SOLID	1	.250	N/A	g/L
95000180	BY104 ROTARY	2	SAMPLE	S95T003650	0	Z	FUS-ZR01	SOLID	N/A	2.1908		g/L
			.54779 → .250l									
95000180	BY104 ROTARY	3	SAMPLE	S95T003650	0	Z	DOSE-02	SOLID	N/A	8		mrad/hour
95000180	BY104 ROTARY	4	DUP	S95T003650	0	Z	FUS-ZR01	SOLID	2.1908	2.1700	N/A	g/L
			.54125g → .250l									
95000180	BY104 ROTARY	5	DUP	S95T003650	0	Z	DOSE-02	SOLID	8	8	N/A	mrad/hour
95000180	BY104 ROTARY	6	SAMPLE	S95T003651	0	Z	FUS-ZR01	SOLID	N/A	2.2236		g/L
			.55599 → .250l									
95000180	BY104 ROTARY	7	SAMPLE	S95T003651	0	Z	DOSE-02	SOLID	N/A	7		mrad/hour
95000180	BY104 ROTARY	8	DUP	S95T003651	0	Z	FUS-ZR01	SOLID	2.2236	2.2396	N/A	g/L
			.55999 → .250l									
95000180	BY104 ROTARY	9	DUP	S95T003651	0	Z	DOSE-02	SOLID	7	8	N/A	mrad/hour
95000180	BY104 ROTARY	10	SAMPLE	S95T003652	0	Z	FUS-ZR01	SOLID	N/A	2.1560		g/L
			.53909 → .250l									
95000180	BY104 ROTARY	11	SAMPLE	S95T003652	0	Z	DOSE-02	SOLID	N/A	6		mrad/hour
95000180	BY104 ROTARY	12	DUP	S95T003652	0	Z	FUS-ZR01	SOLID	2.1560	2.1812	N/A	g/L
			.54539 → .250l									
95000180	BY104 ROTARY	13	DUP	S95T003652	0	Z	DOSE-02	SOLID	6	6	N/A	mrad/hour
95000180	BY104 ROTARY	14	SAMPLE	S95T003653	0	Z	FUS-ZR01	SOLID	N/A	2.1952		g/L
			.54889 → .250l									
95000180	BY104 ROTARY	15	SAMPLE	S95T003653	0	Z	DOSE-02	SOLID	N/A	9		mrad/hour
95000180	BY104 ROTARY	16	DUP	S95T003653	0	Z	FUS-ZR01	SOLID	2.1952	2.1276	N/A	g/L
			.53199 → .250l									
95000180	BY104 ROTARY	17	DUP	S95T003653	0	Z	DOSE-02	SOLID	9	8	N/A	mrad/hour

Data Entry Comments: All Samples & QC - 30 ml HNO_3, <10% Solids
HPT was Sig Flanged

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4244

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4244

12-20-95
Analyst Signature Date

12-27-95
Analyst Signature Date

3637 → 3650 C116 S4B
3641 → 3651 C116 S4C
3633 → 3652 C116 S5A
3638 → 3653 C116 S5B

Reviewed by RK Fuller 12/27/95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4245

Analyst: [illegible] **Instrument:** FUS01 SN16355 **Book #** _____

Method: LA-549-141 Rev/Mod E-0

Worklist Comment: BY-104 C116 Seg 5c, 5d, 6a, 6b Zr Fusion rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				FUS-ZR01	SOLID	1	.250	N/A	g/L
95000180	BY104 ROTARY	2	SAMPLE	S95T003654	0	Z	FUS-ZR01	SOLID	N/A	2.0800		g/L
			.5200g → .250l									
95000180	BY104 ROTARY	3	SAMPLE	S95T003654	0	Z	DOSE-02	SOLID	N/A	6		mrad/hour
95000180	BY104 ROTARY	4	DUP	S95T003654	0	Z	FUS-ZR01	SOLID	2.0800	2.0268	N/A	g/L
			.5067g → .250l									
95000180	BY104 ROTARY	5	DUP	S95T003654	0	Z	DOSE-02	SOLID	6	7	N/A	mrad/hour
95000180	BY104 ROTARY	6	SAMPLE	S95T003655	0	Z	FUS-ZR01	SOLID	N/A	2.1316		g/L
			.5329g → .250l									
95000180	BY104 ROTARY	7	SAMPLE	S95T003655	0	Z	DOSE-02	SOLID	N/A	8		mrad/hour
95000180	BY104 ROTARY	8	DUP	S95T003655	0	Z	FUS-ZR01	SOLID	2.1316	2.0916	N/A	g/L
			.5229g → .250l									
95000180	BY104 ROTARY	9	DUP	S95T003655	0	Z	DOSE-02	SOLID	8	8	N/A	mrad/hour
95000180	BY104 ROTARY	10	SAMPLE	S95T003656	0	Z	FUS-ZR01	SOLID	N/A	2.3364		g/L
			.5541g → .250l									
95000180	BY104 ROTARY	11	SAMPLE	S95T003656	0	Z	DOSE-02	SOLID	N/A	9		mrad/hour
95000180	BY104 ROTARY	12	DUP	S95T003656	0	Z	FUS-ZR01	SOLID	2.3364	2.2908	N/A	g/L
			.5727g → .250l									
95000180	BY104 ROTARY	13	DUP	S95T003656	0	Z	DOSE-02	SOLID	9	9	N/A	mrad/hour
95000180	BY104 ROTARY	14	SAMPLE	S95T003657	0	Z	FUS-ZR01	SOLID	N/A	2.2532		g/L
			.5633g → .250l									
95000180	BY104 ROTARY	15	SAMPLE	S95T003657	0	Z	DOSE-02	SOLID	N/A	7		mrad/hour
95000180	BY104 ROTARY	16	DUP	S95T003657	0	Z	FUS-ZR01	SOLID	2.2532	2.3056	N/A	g/L
			.5764g → .250l									
95000180	BY104 ROTARY	17	DUP	S95T003657	0	Z	DOSE-02	SOLID	7	8	N/A	mrad/hour

Data Entry Comments: All samples & QC - 30ml HNO_3, <1% solids
HPT was Sig Ganda

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4245

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4245

12-20-95
Analyst Signature Date

12-27-95
Analyst Signature Date

3642 → 3654 C116 $ 5c
3648 → 3655 C116 $ 5c
3654 → 3656 C116 $ 6c
3657 → 3657 C116 $ 6b

Reviewed by RK Fuller 12/27/95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4246

Analyst: [illegible] **Instrument:** FUS01 SN16355 **Book #** _____

Method: LA-549-141 Rev/Mod E-0

Worklist Comment: BY-104 C116 Seg 6c, 6d, 7a, 7b Zr Fusion rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				FUS-ZR01	SOLID	1	.250	N/A	g/L
95000180	BY104 ROTARY	2	SAMPLE	S95T003658	0	Z	FUS-ZR01	SOLID	N/A	2.1568		g/L
			.53929 → .250l									
95000180	BY104 ROTARY	3	SAMPLE	S95T003658	0	Z	DOSE-02	SOLID	N/A	9		mrad/hour
95000180	BY104 ROTARY	4	DUP	S95T003658	0	Z	FUS-ZR01	SOLID	2.1568	2.1392	N/A	g/L
			.53419 → .250l									
95000180	BY104 ROTARY	5	DUP	S95T003658	0	Z	DOSE-02	SOLID	9	8	N/A	mrad/hour
95000180	BY104 ROTARY	6	SAMPLE	S95T003659	0	Z	FUS-ZR01	SOLID	N/A	2.0060		g/L
			.5015g → .250l									
95000180	BY104 ROTARY	7	SAMPLE	S95T003659	0	Z	DOSE-02	SOLID	N/A	9		mrad/hour
95000180	BY104 ROTARY	8	DUP	S95T003659	0	Z	FUS-ZR01	SOLID	2.0060	2.0616	N/A	g/L
			.5154g → .250l									
95000180	BY104 ROTARY	9	DUP	S95T003659	0	Z	DOSE-02	SOLID	9	9	N/A	mrad/hour
95000180	BY104 ROTARY	10	SAMPLE	S95T003660	0	Z	FUS-ZR01	SOLID	N/A	2.0032		g/L
			.5003g → .250l									
95000180	BY104 ROTARY	11	SAMPLE	S95T003660	0	Z	DOSE-02	SOLID	N/A	9		mrad/hour
95000180	BY104 ROTARY	12	DUP	S95T003660	0	Z	FUS-ZR01	SOLID	2.0032	2.0060	N/A	g/L
			.5015g → .250l									
95000180	BY104 ROTARY	13	DUP	S95T003660	0	Z	DOSE-02	SOLID	9	9	N/A	mrad/hour
95000180	BY104 ROTARY	14	SAMPLE	S95T003661	0	Z	FUS-ZR01	SOLID	N/A	2.0948		g/L
			.5237g → .250l									
95000180	BY104 ROTARY	15	SAMPLE	S95T003661	0	Z	DOSE-02	SOLID	N/A	8		mrad/hour
95000180	BY104 ROTARY	16	DUP	S95T003661	0	Z	FUS-ZR01	SOLID	2.0948	2.0804	N/A	g/L
			.5201g → .250l									
95000180	BY104 ROTARY	17	DUP	S95T003661	0	Z	DOSE-02	SOLID	8	9	N/A	mrad/hour

Data Entry Comments: All Samples & QC - 30ml HNO_3, <10% solids
HPT was Sep Funnel

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4246

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4246

12-20-95
Analyst Signature Date

12-27-95
Analyst Signature Date

3643 → 3658 Core 116 6c
3646 → 3657 Core 116 6d
3635 → 3660 Core 116 7a
3640 → 3661 Core 116 7b

Reviewed by PKFullen 12/27/95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4248

Analyst: [illegible] **Instrument:** FUS01 SN16359 **Book #** _____

Method: LA-549-141 Rev/Mod E-0

Worklist Comment: BY-104 C116 Seg 7c,7d,8a,8d Zr Fusion - rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				FUS-ZR01	SOLID	1	.250	N/A	g/L
95000180	BY104 ROTARY	2	SAMPLE	S95T003662	0	Z	FUS-ZR01	SOLID	N/A	2.3672		g/L
			.5918g → .250l									
95000180	BY104 ROTARY	3	SAMPLE	S95T003662	0	Z	DOSE-02	SOLID	N/A	10		mrad/hour
95000180	BY104 ROTARY	4	DUP	S95T003662	0	Z	FUS-ZR01	SOLID	2.3672	2.2204	N/A	g/L
			.5551g → .250l									
95000180	BY104 ROTARY	5	DUP	S95T003662	0	Z	DOSE-02	SOLID	10	10	N/A	mrad/hour
95000180	BY104 ROTARY	6	SAMPLE	S95T003663	0	Z	FUS-ZR01	SOLID	N/A	2.1712		g/L
			~~2.2372~~ 12-20-95 .5412g → .250l									
95000180	BY104 ROTARY	7	SAMPLE	S95T003663	0	Z	DOSE-02	SOLID	N/A	150		mrad/hour
95000180	BY104 ROTARY	8	DUP	S95T003663	0	Z	FUS-ZR01	SOLID	2.1712	2.2336	N/A	g/L
			.5582g → .250l									
95000180	BY104 ROTARY	9	DUP	S95T003663	0	Z	DOSE-02	SOLID	150	170	N/A	mrad/hour
95000180	BY104 ROTARY	10	SAMPLE	S95T003664	0	Z	FUS-ZR01	SOLID	N/A	.9680		g/L
			.2420g → .250l									
95000180	BY104 ROTARY	11	SAMPLE	S95T003664	0	Z	DOSE-02	SOLID	N/A	75		mrad/hour
95000180	BY104 ROTARY	12	DUP	S95T003664	0	Z	FUS-ZR01	SOLID	.9680	.9268	N/A	g/L
			.2317g → .250l									
95000180	BY104 ROTARY	13	DUP	S95T003664	0	Z	DOSE-02	SOLID	75	70	N/A	mrad/hour
95000180	BY104 ROTARY	14	SAMPLE	S95T003665	0	Z	FUS-ZR01	SOLID	N/A	2.0280		g/L
			.5270g → .250l									
95000180	BY104 ROTARY	15	SAMPLE	S95T003665	0	Z	DOSE-02	SOLID	N/A	60		mrad/hour
95000180	BY104 ROTARY	16	DUP	S95T003665	0	Z	FUS-ZR01	SOLID	2.0280	2.2388	N/A	g/L
			.5597g → .250l									
95000180	BY104 ROTARY	17	DUP	S95T003665	0	Z	DOSE-02	SOLID	60	50	N/A	mrad/hour

Data Entry Comments:

S95T003664 weight .25 due to lack of sample
All samples & QC - 50 ml HNO_3, 1% DDI H2O
HPT was Sig Standard

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4248

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4248

12-20-95
Analyst Signature Date

12-27-95
Analyst Signature Date

3644 → 3662 C116 1 7c
3647 → 3663 C116 1 7d
3636 → 3664 C116 1 8c
3645 → 3665 C116 1 8d

Reviewed by PK Fuller 12/27/95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4252

Analyst: [illegible] **Instrument:** FUS01 SN16355 **Book #** _____

Method: LA-549-141 Rev/Mod E-0

Worklist Comment: BY-104 Core 116 Seg 2, 3UH, 3LH Fusion rkf

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			FUSION01	SOLID	1	.250	N/A	g/L
95000180	BY104 ROTARY	2 SAMPLE .2261g → .250l	S95T003531	0 F	FUSION01	SOLID	N/A	.8804		g/L
95000180	BY104 ROTARY	3 SAMPLE	S95T003531	0 F	DOSE-02	SOLID	N/A	1.2		mrad/hour
95000180	BY104 ROTARY	4 DUP .2467g → .250l	S95T003531	0 F	FUSION01	SOLID	.8804	.9868	N/A	g/L
95000180	BY104 ROTARY	5 DUP	S95T003531	0 F	DOSE-02	SOLID	1.2	1.4	N/A	mrad/hour
95000180	BY104 ROTARY	6 SAMPLE .2245g → .250l	S95T003700	0 F	FUSION01	SOLID	N/A	.9180		g/L
95000180	BY104 ROTARY	7 SAMPLE	S95T003700	0 F	DOSE-02	SOLID	N/A	1.7		mrad/hour
95000180	BY104 ROTARY	8 DUP .2754g → .250l	S95T003700	0 F	FUSION01	SOLID	.9180	1.1016	N/A	g/L
95000180	BY104 ROTARY	9 DUP	S95T003700	0 F	DOSE-02	SOLID	1.7	2	N/A	mrad/hour
95000180	BY104 ROTARY	10 SAMPLE .2241g → .250l	S95T003701	0 F	FUSION01	SOLID	N/A	.8960		g/L
95000180	BY104 ROTARY	11 SAMPLE	S95T003701	0 F	DOSE-02	SOLID	N/A	2.4		mrad/hour
95000180	BY104 ROTARY	12 DUP .2453g → .250l	S95T003701	0 F	FUSION01	SOLID	.8960	1.1812	N/A	g/L
95000180	BY104 ROTARY	13 DUP	S95T003701	0 F	DOSE-02	SOLID	2.4	3	N/A	mrad/hour

Final page for worklist # 4252

[illegible] 12-20-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3529 → 3531 Core 116 Seg 2
3700 → 3700 Core 116 Seg 3UH
3702 → 3701 Core 116 Seg 3LH

Reviewed by Keith Fuller
Signed by [illegible]

Data Entry Comments:
Weight At .25 - Normal Weight is .50
HPT was Joe Valley
All Samples & QC - 30ml HNO3, <10% Solids

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4440

Analyst: CMM **Instrument:** FUS01 SN16555 **Book #** _____

Method: LA-549-141 Rev/Mod E-C

Worklist Comment: BY-104 Core 117 S1,3,4 Saltcake Fusion Digest rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				FUSION01	SOLID	1	.250	N/A	g/L
95000200	BY104 ROTARY	2	SAMPLE	S95T003771	0	F	FUSION01	SOLID	N/A	.3160		g/L
			.7040g → .2500									
95000200	BY104 ROTARY	3	SAMPLE	S95T003771	0		DOSE-02	SOLID	N/A	2		mrad/hour
95000200	BY104 ROTARY	4	DUP	S95T003771	0	F	FUSION01	SOLID	.3160	.3092	N/A	g/L
			.2023g → .2500									
95000200	BY104 ROTARY	5	DUP	S95T003771	0		DOSE-02	SOLID	2	2	N/A	mrad/hour
95000200	BY104 ROTARY	6	SAMPLE	S95T003811	0	F	FUSION01	SOLID	N/A	2.2420		g/L
			.5665g → .2500									
95000200	BY104 ROTARY	7	SAMPLE	S95T003811	0		DOSE-02	SOLID	N/A	10		mrad/hour
95000200	BY104 ROTARY	8	DUP	S95T003811	0	F	FUSION01	SOLID	2.2420	2.2308	N/A	g/L
			.5577g → .2500									
95000200	BY104 ROTARY	9	DUP	S95T003811	0		DOSE-02	SOLID	10	10	N/A	mrad/hour
95000200	BY104 ROTARY	10	SAMPLE	S95T003812	0	F	FUSION01	SOLID	N/A	2.0724		g/L
			.5151g → .2500									
95000200	BY104 ROTARY	11	SAMPLE	S95T003812	0	F	DOSE-02	SOLID	N/A	10		mrad/hour
95000200	BY104 ROTARY	12	DUP	S95T003812	0	F	FUSION01	SOLID	2.0724	2.0332	N/A	g/L
			.5083g → .2500									
95000200	BY104 ROTARY	13	DUP	S95T003812	0	F	DOSE-02	SOLID	10	11	N/A	mrad/hour

Final page for worklist # 4440

CMMurphy 12-23-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3764 → 3771 Core 117 Seg 1 Saltcake
3809 → 3811 3 "
3810 → 3812 4 "

Data Entry Comments: 3771 (2.0) Due to lack of Sample

Reviewed by RKFuller 12/27/95

HPT was Scott Vandenback
All samples & QC - 40ml HNO3, <1% solids

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4441

Analyst: [illegible] **Instrument:** FUS01 [illegible] **Book #** _____

Method: LA-549-141 Rev/Mod E-C

Worklist Comment: BY-104 Core 117 Seg 2a,2d,3c/d,5a,5c Zr Fusion Digest rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				FUS-ZR01	SOLID	1	.250	N/A	g/L
95000200	BY104 ROTARY	2	SAMPLE	S95T003786	0	F	FUS-ZR01	SOLID	N/A	2.0400		g/L
			.5100g → .250l									
95000200	BY104 ROTARY	3	SAMPLE	S95T003786	0	F	DOSE-02	SOLID	N/A	7		mrad/hour
95000200	BY104 ROTARY	4	DUP	S95T003786	0	F	FUS-ZR01	SOLID	2.0400	2.0349	N/A	g/L
			.5056g → .250l									
95000200	BY104 ROTARY	5	DUP	S95T003786	0	F	DOSE-02	SOLID	7	7	N/A	mrad/hour
95000200	BY104 ROTARY	6	SAMPLE	S95T003787	0	F	FUS-ZR01	SOLID	N/A	2.0432		g/L
			.5233g → .250l									
95000200	BY104 ROTARY	7	SAMPLE	S95T003787	0	F	DOSE-02	SOLID	N/A	17		mrad/hour
95000200	BY104 ROTARY	8	DUP	S95T003787	0	F	FUS-ZR01	SOLID	2.0432	2.1224	N/A	g/L
			.5306g → .250l									
95000200	BY104 ROTARY	9	DUP	S95T003787	0	F	DOSE-02	SOLID	17	16	N/A	mrad/hour
95000200	BY104 ROTARY	10	SAMPLE	S95T003788	0	F	FUS-ZR01	SOLID	N/A	2.0668		g/L
			.5167g → .250l									
95000200	BY104 ROTARY	11	SAMPLE	S95T003788	0	F	DOSE-02	SOLID	N/A	38		mrad/hour
95000200	BY104 ROTARY	12	DUP	S95T003788	0	F	FUS-ZR01	SOLID	2.0668	2.0348	N/A	g/L
			.5087g → .250l									
95000200	BY104 ROTARY	13	DUP	S95T003788	0	F	DOSE-02	SOLID	38	36	N/A	mrad/hour
95000200	BY104 ROTARY	14	SAMPLE	S95T003789	0	F	FUS-ZR01	SOLID	N/A	2.0152		g/L
			.5035g → .250l									
95000200	BY104 ROTARY	15	SAMPLE	S95T003789	0	F	DOSE-02	SOLID	N/A	6		mrad/hour
95000200	BY104 ROTARY	16	DUP	S95T003789	0	F	FUS-ZR01	SOLID	2.0152	2.0008	N/A	g/L
			.5002g → .250l									
95000200	BY104 ROTARY	17	DUP	S95T003789	0	F	DOSE-02	SOLID	6	6	N/A	mrad/hour
95000200	BY104 ROTARY	18	SAMPLE	S95T003790	0	F	FUS-ZR01	SOLID	N/A	2.1452		g/L
			.5303g → .250l									

Data Entry Comments: HPT was Scott Sandenback
All samples & QC - 30 ml HNO_3, <1% acids

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4441

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
95000200	BY104 ROTARY	19 SAMPLE	S95T003790	0	F	DOSE-02	SOLID	N/A	9		mrad/hour
95000200	BY104 ROTARY	20 DUP	S95T003790	0	F	FUS-ZR01	SOLID	2.1452	2.0912	N/A	g/L
		.5228g → .2501									
95000200	BY104 ROTARY	21 DUP	S95T003790	0	F	DOSE-02	SOLID	9	8	N/A	mrad/hour

Final page for worklist # 4441

Analyst Signature / Date: 12-24-95

Analyst Signature / Date: 12-27-95

3781 → 3786 Core 117 2a
3782 → 3787 2d
3783 → 3788 3c/d
3784 → 3789 5a
3785 → 3790 5e

Reviewed by RKhelle 12/27/95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4218

Analyst: JAM **Instrument:** H2O01 SN116350 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-104 C116 S4 3641 > 3685, S5A 3633 > 3686 H_2O_2 digest

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.100	N/A	g/L
95000180	BY104 ROTARY	2 SAMPLE .56449 → .100l	S95T003685	0 W	H2ODIG01	SOLID	N/A	5.6440		g/L
95000180	BY104 ROTARY	3 SAMPLE	S95T003685	0 W	DOSE-02	SOLID	N/A	7		mrad/hour
95000180	BY104 ROTARY	4 DUP .56269 → .100l	S95T003685	0 W	H2ODIG01	SOLID	5.6440	5.6260	N/A	g/L
95000180	BY104 ROTARY	5 DUP	S95T003685	0 W	DOSE-02	SOLID	7	7	N/A	mrad/hour
95000180	BY104 ROTARY	6 SAMPLE .57099 → .100l	S95T003686	0 W	H2ODIG01	SOLID	N/A	5.2090		g/L
95000180	BY104 ROTARY	7 SAMPLE	S95T003686	0 W	DOSE-02	SOLID	N/A	5		mrad/hour
95000180	BY104 ROTARY	8 DUP .51379 → .100l	S95T003686	0 W	H2ODIG01	SOLID	5.2090	5.1370	N/A	g/L
95000180	BY104 ROTARY	9 DUP	S95T003686	0 W	DOSE-02	SOLID	5	5	N/A	mrad/hour

Final page for worklist # 4218

JAMurphy 12-20-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3641 → 3685 Core 116 S4C

3633 → 3686 Core 116 S5A

Reviewed by RK Fuller 12/27/95

Data Entry Comments: HPT was Joe Valdez

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4219

Analyst: GAM **Instrument:** H2O01 SN116355 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-104 C116 S5B 3638 > 3687, S5C 3642 > 3688 H_2O digest

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				H2ODIG01	SOLID	1	.100	N/A	g/L
95000180	BY104 ROTARY	2	SAMPLE	S95T003687	0	W	H2ODIG01	SOLID	N/A	5.6740		g/L
			.5674g → .100l									
95000180	BY104 ROTARY	3	SAMPLE	S95T003687	0	W	DOSE-02	SOLID	N/A	6		mrad/hour
95000180	BY104 ROTARY	4	DUP	S95T003687	0	W	H2ODIG01	SOLID	5.6740	5.6550	N/A	g/L
			.5255g → .100l									
95000180	BY104 ROTARY	5	DUP	S95T003687	0	W	DOSE-02	SOLID	6	6	N/A	mrad/hour
95000180	BY104 ROTARY	6	SAMPLE	S95T003688	0	W	H2ODIG01	SOLID	N/A	5.1590		g/L
			.5159g → .100l									
95000180	BY104 ROTARY	7	SAMPLE	S95T003688	0	W	DOSE-02	SOLID	N/A	4		mrad/hour
95000180	BY104 ROTARY	8	DUP	S95T003688	0	W	H2ODIG01	SOLID	5.1590	5.2030	N/A	g/L
			.5203g → .100l									
95000180	BY104 ROTARY	9	DUP	S95T003688	0	W	DOSE-02	SOLID	4	5	N/A	mrad/hour

Final page for worklist # 4219

GA Murphy 12-20-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3638 → 3687 Core 116 Seg 5B

3642 → 3688 Core 116 Seg 5C

Reviewed by PK Fuller 12/27/95

Data Entry Comments: HPC was not valid

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4254

Analyst: [illegible] **Instrument:** H2O01 SN16355 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-104 C116 Seg 4B and 5D H2O digest rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				H2ODIG01	SOLID	1	.100	N/A	g/L
95000180	BY104 ROTARY	2	SAMPLE	S95T003684	0	W	H2ODIG01	SOLID	N/A	5.7310		g/L
95000180	BY104 ROTARY	3	SAMPLE	.5731g ⇒ .100l S95T003684	0	W	DOSE-02	SOLID	N/A	7		mrad/hour
95000180	BY104 ROTARY	4	DUP	S95T003684	0	W	H2ODIG01	SOLID	5.7310	5.7000	N/A	g/L
95000180	BY104 ROTARY	5	DUP	.5700g ⇒ .100l S95T003684	0	W	DOSE-02	SOLID	7	6	N/A	mrad/hour
95000180	BY104 ROTARY	6	SAMPLE	S95T003689	0	W	H2ODIG01	SOLID	N/A	5.2080		g/L
95000180	BY104 ROTARY	7	SAMPLE	.5208g ⇒ .100l S95T003689	0	W	DOSE-02	SOLID	N/A	6		mrad/hour
95000180	BY104 ROTARY	8	DUP	S95T003689	0	W	H2ODIG01	SOLID	5.2080	5.205	N/A	g/L
95000180	BY104 ROTARY	9	DUP	.5205g ⇒ .100l S95T003689	0	W	DOSE-02	SOLID	6	5	N/A	mrad/hour

Final page for worklist # 4254

[illegible] Murphy 12-20-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

Parent		Daughter	
3637	→	3684	Core 116 & 4B
3645	→	3689	Core 116 & 5D

Reviewed by RK Miller 12/27/95

Data Entry Comments: HP Was Not Valid

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4256

Analyst: [illegible] **Instrument:** H2O01 SN16355 **Book #** _____

Method: LA-504-101 Rev/Mod E-D

Worklist Comment: BY-104 Core 116 Seg 6A and Seg 6B H2O digest. rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				H2ODIG01	SOLID	1	.100	N/A	g/L
95000180	BY104 ROTARY	2	SAMPLE	S95T003690	0	W	H2ODIG01	SOLID	N/A	5.3340		g/L
			.5334g → .100l									
95000180	BY104 ROTARY	3	SAMPLE	S95T003690	0	W	DOSE-02	SOLID	N/A	6		mrad/hour
95000180	BY104 ROTARY	4	DUP	S95T003690	0	W	H2ODIG01	SOLID	5.3340	5.2360	N/A	g/L
			.5236g → .100l									
95000180	BY104 ROTARY	5	DUP	S95T003690	0	W	DOSE-02	SOLID	6	7	N/A	mrad/hour
95000180	BY104 ROTARY	6	SAMPLE	S95T003691	0	W	H2ODIG01	SOLID	N/A	5.2480		g/L
			.5248g → .100l									
95000180	BY104 ROTARY	7	SAMPLE	S95T003691	0	W	DOSE-02	SOLID	N/A	6		mrad/hour
95000180	BY104 ROTARY	8	DUP	S95T003691	0	W	H2ODIG01	SOLID	5.2480	5.6120	N/A	g/L
			.5612g → .100l									
95000180	BY104 ROTARY	9	DUP	S95T003691	0	W	DOSE-02	SOLID	6	7	N/A	mrad/hour

Final page for worklist # 4256

[illegible] 12-20-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3634 → 3690 Core 116 Seg 6A
3639 → 3691 Core 116 Seg 6B

Review by RK Fuller 12/27/95

Data Entry Comments: HPC was Joe Valdez

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4257

Analyst: [illegible] **Instrument:** H2O01SN16355 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-104 C116 Seg 6c and 6d H2O Digest rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				H2ODIG01	SOLID	1	.100	N/A	g/L
95000180	BY104 ROTARY	2	SAMPLE .5299g → .100l	S95T003692	0	W	H2ODIG01	SOLID	N/A	5.2990		g/L
95000180	BY104 ROTARY	3	SAMPLE	S95T003692	0	W	DOSE-02	SOLID	N/A	6		mrad/hour
95000180	BY104 ROTARY	4	DUP .5292g → .100l	S95T003692	0	W	H2ODIG01	SOLID	5.2990	5.2920	N/A	g/L
95000180	BY104 ROTARY	5	DUP	S95T003692	0	W	DOSE-02	SOLID	6	6	N/A	mrad/hour
95000180	BY104 ROTARY	6	SAMPLE .5175g → .100l	S95T003693	0	W	H2ODIG01	SOLID	N/A	5.1750		g/L
95000180	BY104 ROTARY	7	SAMPLE	S95T003693	0	W	DOSE-02	SOLID	N/A	5		mrad/hour
95000180	BY104 ROTARY	8	DUP .5153g → .100l	S95T003693	0	W	H2ODIG01	SOLID	5.1750	5.1530	N/A	g/L
95000180	BY104 ROTARY	9	DUP	S95T003693	0	W	DOSE-02	SOLID	5	6	N/A	mrad/hour

Final page for worklist # 4257

[illegible] 12-20-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3643 → 3692 Core 116 Seg 6c

3646 → 3693 Core 116 Seg 6d

Reviewed by RK Fuller 12/27/95

Data Entry Comments: HPT was Joe Valdez

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4258

Analyst: [illegible] **Instrument:** H2O01 SN116355 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-104 Core 116 Seg 7A and 7B H2O Digest rkf

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP				H2ODIG01	SOLID	1	.100	N/A	g/L
95000180	BY104 ROTARY	2 SAMPLE .5096g → .100l	S95T003694	0	W	H2ODIG01	SOLID	N/A	5.0960		g/L
95000180	BY104 ROTARY	3 SAMPLE	S95T003694	0	W	DOSE-02	SOLID	N/A	5		mrad/hour
95000180	BY104 ROTARY	4 DUP .5042g → .100l	S95T003694	0	W	H2ODIG01	SOLID	5.0960	5.0420	N/A	g/L
95000180	BY104 ROTARY	5 DUP	S95T003694	0	W	DOSE-02	SOLID	5	6	N/A	mrad/hour
95000180	BY104 ROTARY	6 SAMPLE .5160g → .100l	S95T003695	0	W	H2ODIG01	SOLID	N/A	5.1600		g/L
95000180	BY104 ROTARY	7 SAMPLE	S95T003695	0	W	DOSE-02	SOLID	N/A	6		mrad/hour
95000180	BY104 ROTARY	8 DUP .5124g → .100l	S95T003695	0	W	H2ODIG01	SOLID	5.1600	5.1240	N/A	g/L
95000180	BY104 ROTARY	9 DUP	S95T003695	0	W	DOSE-02	SOLID	6	6	N/A	mrad/hour

Final page for worklist # 4258

[illegible] 12-20-95
Analyst Signature **Date**

[illegible] 12-22-95
Analyst Signature **Date**

3635 → 3694 Core 116 S 7A
3640 → 3645 Core 116 S 7B
Reviewed by RK Fuller 12/21/95

Data Entry Comments: HP was Joe Valdez

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4259

Analyst: JAM **Instrument:** H2O01 SN16355 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-104 Core 116 Seg 7C and 7D H2O digest rkf

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.100	N/A	g/L
95000180	BY104 ROTARY	2 SAMPLE .5523g → .100l	S95T003696	0 W	H2ODIG01	SOLID	N/A	5.8230		g/L
95000180	BY104 ROTARY	3 SAMPLE	S95T003696	0 W	DOSE-02	SOLID	N/A	7		mrad/hour
95000180	BY104 ROTARY	4 DUP .5535g → .100l	S95T003696	0 W	H2ODIG01	SOLID	5.8230	5.5350	N/A	g/L
95000180	BY104 ROTARY	5 DUP	S95T003696	0 W	DOSE-02	SOLID	7	6.1	N/A	mrad/hour
95000180	BY104 ROTARY	6 SAMPLE .5600g → .100l	S95T003697	0 W	H2ODIG01	SOLID	N/A	5.6000		g/L
95000180	BY104 ROTARY	7 SAMPLE	S95T003697	0 W	DOSE-02	SOLID	N/A	4		mrad/hour
95000180	BY104 ROTARY	8 DUP .5597g → .100l	S95T003697	0 W	H2ODIG01	SOLID	5.6000	5.5970	N/A	g/L
95000180	BY104 ROTARY	9 DUP	S95T003697	0 W	DOSE-02	SOLID	4	6	N/A	mrad/hour

Final page for worklist # 4259

JAMurphy 12-20-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3644 → 3696 Core 116 Seg 7C
3647 → 3697 Core 116 Seg 7d

Reviewed by JK Fritz 12/27/95

Data Entry Comments:
HP was Joe Valdez

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4260

Analyst: [illegible] **Instrument:** H2O01 SN16355 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-104 Core 116 Seg 8A and 8D H2O Digest rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				H2ODIGO1	SOLID	1	.100	N/A	g/L
95000180	BY104 ROTARY	2	SAMPLE	S95T003698	0	W	H2ODIGO1	SOLID	N/A	2.5510		g/L
			.2551g → .100 l									
95000180	BY104 ROTARY	3	SAMPLE	S95T003698	0	W	DOSE-02	SOLID	N/A	4		mrad/hour
95000180	BY104 ROTARY	4	DUP	S95T003698	0 W		H2ODIGO1	SOLID	2.5510	2.4550	N/A	g/L
			.2455g → .100 l									
95000180	BY104 ROTARY	5	DUP	S95T003698	0 W		DOSE-02	SOLID	4	4	N/A	mrad/hour
95000180	BY104 ROTARY	6	SAMPLE	S95T003699	0 W		H2ODIGO1	SOLID	N/A	5.7160		g/L
			.5716g → .100 l									
95000180	BY104 ROTARY	7	SAMPLE	S95T003699	0 W		DOSE-02	SOLID	N/A	7		mrad/hour
95000180	BY104 ROTARY	8	DUP	S95T003699	0 W		H2ODIGO1	SOLID	5.7160	5.8200	N/A	g/L
			.5820g → .100 l									
95000180	BY104 ROTARY	9	DUP	S95T003699	0 W		DOSE-02	SOLID	7	6.5	N/A	mrad/hour

Final page for worklist # 4260

[illegible] 12-20-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3636 → 3698 Core 116 Seg 8A
3648 → 3697 Core 116 Seg 8D

Reviewed by RK Fuller 12/27/95.

Data Entry Comments: S95T003695 → .25 ml Lab of Sample
HPT was Voc Valley

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4262

Analyst: [illegible] **Instrument:** H2O01 SN116355 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-104 Core 116 S2 solids/S2 sltk H2O Digest. rkf

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.100 ~~.850~~ BAM 12-18-95	N/A	g/L
95000180	BY104 ROTARY	2 SAMPLE .5650g → .100l	S95T003534	0 W	H2ODIG01	SOLID	N/A	5.6500		g/L
95000180	BY104 ROTARY	3 SAMPLE	S95T003534	0 W	DOSE-02	SOLID	N/A	4		mrad/hour
95000180	BY104 ROTARY	4 DUP .5893g → .100 l	S95T003534	0 W	H2ODIG01	SOLID	5.6500	5.8930	N/A	g/L
95000180	BY104 ROTARY	5 DUP	S95T003534	0 W	DOSE-02	SOLID	4	~~4.~~ RKF 12/21/95 4.7	N/A	mrad/hour
95000180	BY104 ROTARY	6 SAMPLE .5382g → .100l	S95T003536	0 W	H2ODIG01	SOLID	N/A	5.3820		g/L
95000180	BY104 ROTARY	7 SAMPLE	S95T003536	0 W	DOSE-02	SOLID	N/A	3		mrad/hour
95000180	BY104 ROTARY	8 DUP .5203g → .100l	S95T003536	0 W	H2ODIG01	SOLID	5.3820	5.2030	N/A	g/L
95000180	BY104 ROTARY	9 DUP	S95T003536	0 W	DOSE-02	SOLID	3	3	N/A	mrad/hour

Final page for worklist # 4262

[illegible] 12-20-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3525 → 3534 Core 116 S2 solids
3529 → 3536 Core 116 S2 sltk
Reviewed by [illegible] 12/27/95

Data Entry Comments: HPT was Joe Valdez

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4263

Analyst: [illegible] **Instrument:** H2O01 SN016355 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-104 Core 116 S3 LH/S3 UH H2O digest rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				H2ODIG01	SOLID	1	.100	N/A	g/L
95000180	BY104 ROTARY	2	SAMPLE	S95T003704	0	W	H2ODIG01	SOLID	N/A	5.2800		g/L
			.5258g → .100l									
95000180	BY104 ROTARY	3	SAMPLE	S95T003704	0	W	DOSE-02	SOLID	N/A	3		mrad/hour
95000180	BY104 ROTARY	4	DUP	S95T003704	0	W	H2ODIG01	SOLID	5.2800	5.1840	N/A	g/L
			.5184g → .100l									
95000180	BY104 ROTARY	5	DUP	S95T003704	0	W	DOSE-02	SOLID	3	3	N/A	mrad/hour
95000180	BY104 ROTARY	6	SAMPLE	S95T003705	0	W	H2ODIG01	SOLID	N/A	5.8840		g/L
			.5884g → .100l									
95000180	BY104 ROTARY	7	SAMPLE	S95T003705	0	W	DOSE-02	SOLID	N/A	3		mrad/hour
95000180	BY104 ROTARY	8	DUP	S95T003705	0	W	H2ODIG01	SOLID	5.8840	5.9480	N/A	g/L
			.5948g → .100l									
95000180	BY104 ROTARY	9	DUP	S95T003705	0	W	DOSE-02	SOLID	3	3	N/A	mrad/hour

Final page for worklist # 4263

[illegible] 12-20-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3702 → 3704 Core 116 Seg 3LH

3703 → 3705 Core 116 Seg 3UH

Reviewed by RK Fuller 12/27/95

Data Entry Comments: HPT was Joe Valdez

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4435

Analyst: [illegible] **Instrument:** H2O01 [illegible] **Book #** _____

Method: LA-504-101 Rev/Mod [illegible]

Worklist Comment: BY-104 C117 Seg 1 and 3 saltcake Water Digest rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				H2ODIGO1	SOLID	1	.100	N/A	g/L
95000200	BY104 ROTARY	2	SAMPLE	S95T003772	0	W	H2ODIGO1	SOLID	N/A	5.4700		g/L
			.5479g → .100									
95000200	BY104 ROTARY	3	SAMPLE	S95T003772	0	W	DOSE-02	SOLID	N/A	5		mrad/hour
95000200	BY104 ROTARY	4	DUP	S95T003772	0	W	H2ODIGO1	SOLID	5.4700	5.4900	N/A	g/L
			.5496g → .100									
95000200	BY104 ROTARY	5	DUP	S95T003772	0	W	DOSE-02	SOLID	5	6	N/A	mrad/hour
95000200	BY104 ROTARY	6	SAMPLE	S95T003813	0	W	H2ODIGO1	SOLID	N/A	5.1810		g/L
			.5151g → .100									
95000200	BY104 ROTARY	7	SAMPLE	S95T003813	0	W	DOSE-02	SOLID	N/A	7		mrad/hour
95000200	BY104 ROTARY	8	DUP	S95T003813	0	W	H2ODIGO1	SOLID	5.1810	5.2030	N/A	g/L
			.5203g → .100									
95000200	BY104 ROTARY	9	DUP	S95T003813	0	W	DOSE-02	SOLID	7	6	N/A	mrad/hour

Final page for worklist # 4435

[illegible] 12-24-95
Analyst Signature | **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3764 ——→ 3772 C117 S1 saltcake
3809 ——→ 3813 C117 S3 "

Reviewed by RK Fuller 12/27/95

Data Entry Comments: [illegible] Scott Sandsback

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4436

Analyst: [illegible] **Instrument:** H2O01 SN116555 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-104 C117 Seg 2a,2b Water Digest rkf

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP				H2ODIG01	SOLID	1	.100	N/A	g/L
95000200	BY104 ROTARY	2 SAMPLE .5700g	S95T003796	0	W	H2ODIG01	SOLID	N/A	5.7000		g/L
95000200	BY104 ROTARY	3 SAMPLE	S95T003796	0		DOSE-02	SOLID	N/A	5		mrad/hour
95000200	BY104 ROTARY	4 DUP .5656g	S95T003796	0	W	H2ODIG01	SOLID	5.7000	5.6300	N/A	g/L
95000200	BY104 ROTARY	5 DUP	S95T003796	0		DOSE-02	SOLID	5	4	N/A	mrad/hour
95000200	BY104 ROTARY	6 SAMPLE .5052g	S95T003797	0	W	H2ODIG01	SOLID	N/A	5.0520		g/L
95000200	BY104 ROTARY	7 SAMPLE	S95T003797	0		DOSE-02	SOLID	N/A	6		mrad/hour
95000200	BY104 ROTARY	8 DUP .5057g	S95T003797	0	W	H2ODIG01	SOLID	5.0520	5.0570	N/A	g/L
95000200	BY104 ROTARY	9 DUP	S95T003797	0		DOSE-02	SOLID	6	7	N/A	mrad/hour

Final page for worklist # 4436

[illegible] 12-24-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3781 ⟶ 3796 C117 2a
3782 ⟶ 3797 C117 2a

Reviewed by R K Fuller 12/27/95

Data Entry Comments: HPT was Scott Ganderback

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4437

Analyst: [illegible] **Instrument:** H2O01 [illegible] **Book #** _____

Method: LA-504-101 Rev/Mod E-C

Worklist Comment: BY-104 C117 Seg 5a,5c Water Digest rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				H2ODIG01	SOLID	1	.100	N/A	g/L
95000200	BY104 ROTARY	2	SAMPLE	S95T003799	0	W	H2ODIG01	SOLID	N/A	0.1410		g/L
			.5141g → .100 l									
95000200	BY104 ROTARY	3	SAMPLE	S95T003799	0		DOSE-02	SOLID	N/A	4		mrad/hour
95000200	BY104 ROTARY	4	DUP	S95T003799	0	W	H2ODIG01	SOLID	5.1410	5.1760	N/A	g/L
			.5176g → .100 l									
95000200	BY104 ROTARY	5	DUP	S95T003799	0		DOSE-02	SOLID	4	5	N/A	mrad/hour
95000200	BY104 ROTARY	6	SAMPLE	S95T003800	0	W	H2ODIG01	SOLID	N/A	5.7480		g/L
			.5715g → .100 l									
95000200	BY104 ROTARY	7	SAMPLE	S95T003800	0		DOSE-02	SOLID	N/A	5		mrad/hour
95000200	BY104 ROTARY	8	DUP	S95T003800	0	W	H2ODIG01	SOLID	5.7480	5.7210	N/A	g/L
			.5721g → .100 l									
95000200	BY104 ROTARY	9	DUP	S95T003800	0		DOSE-02	SOLID	5	5	N/A	mrad/hour

Final page for worklist # 4437

[illegible] 12-24-95
Analyst Signature **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3784 → 3799 C117 5a
3795 → 3800 C117 5c

Reviewed by RK Fuller 12/27/95

Data Entry Comments: HPC [illegible] Scott Sandsback

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4438

Analyst: [illegible] **Instrument:** H2O01 SN16355 **Book #** _____

Method: LA-504-101 Rev/Mod E-C

Worklist Comment: BY-104 C116 S4a, C117 S4sc, S3c/d Water Digest rkf

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.170	N/A	g/L
95000180	BY104 ROTARY	2 SAMPLE .5286g → .100 l	S95T003683	0 W	H2ODIG01	SOLID	N/A	5.2560		g/L
95000180	BY104 ROTARY	3 SAMPLE	S95T003683	0 W	DOSE-02	SOLID	N/A	2		mrad/hour
95000180	BY104 ROTARY	4 DUP .5242g → .100 l	S95T003683	0 W	H2ODIG01	SOLID	5.2560	5.2420	N/A	g/L
95000180	BY104 ROTARY	5 DUP	S95T003683	0 W	DOSE-02	SOLID	4	4.5	N/A	mrad/hour
95000200	BY104 ROTARY	6 SAMPLE .5146g → .100 l	S95T003814	0 W	H2ODIG01	SOLID	N/A	5.1400		g/L
95000200	BY104 ROTARY	7 SAMPLE	S95T003814	0 W	DOSE-02	SOLID	N/A	3		mrad/hour
95000200	BY104 ROTARY	8 DUP .5142g → .100 l	S95T003814	0 W	H2ODIG01	SOLID	5.1400	5.1420	N/A	g/L
95000200	BY104 ROTARY	9 DUP	S95T003814	0 W	DOSE-02	SOLID	3	2.5	N/A	mrad/hour
95000200	BY104 ROTARY	10 SAMPLE .5263g → .100 l	S95T003798	0 W	H2ODIG01	SOLID	N/A	5.2630		g/L
95000200	BY104 ROTARY	11 SAMPLE	S95T003798	0	DOSE-02	SOLID	N/A	7		mrad/hour
95000200	BY104 ROTARY	12 DUP .5200g → .100 l	S95T003798	0 W	H2ODIG01	SOLID	5.2630	5.2000	N/A	g/L
95000200	BY104 ROTARY	13 DUP	S95T003798	0	DOSE-02	SOLID	7	5	N/A	mrad/hour

Final page for worklist # 4438

[illegible] 12-24-95
Analyst Signature | **Date**

[illegible] 12-27-95
Analyst Signature **Date**

3632 → 3683 C116 S4a
3810 → 3814 C117 S4 saltcake
3783 → 3798 C117 S3 c/d

Data Entry Comments: HPT [illegible] Scott Vanderbeck Reviewed by RKFulk 12/27/95

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 5507

Analyst: [signature] **Instrument:** H2O01 SN16355 **Book #** _____

Method: LA-504-101 Rev/Mod E-0

Worklist Comment: BY-106 C121 S1-10B Comp & BY-104 C116 Comp Water digest rkf

GROUP	PROJECT	S TYPE	SAMPLE#	R A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 BLNK-PREP			H2ODIG01	SOLID	1	.100	N/A	g/L
95000229	BY-106	2 SAMPLE	S96T000381	0 W	H2ODIG01	SOLID	N/A	5.2640		g/L
			.5264g → .100l							
95000229	BY-106	3 SAMPLE	S96T000381	0 W	DOSE-02	SOLID	N/A	4.5		mrad/hour
95000229	BY-106	4 DUP	S96T000381	0 W	H2ODIG01	SOLID	5.2640	5.1620	N/A	g/L
			.5162g → .100l							
95000229	BY-106	5 DUP	S96T000381	0 W	DOSE-02	SOLID	4.5	4	N/A	mrad/hour
95000180	BY104 ROTARY	6 SAMPLE	S96T000373	0 W	H2ODIG01	SOLID	N/A	5.0650		g/L
			.5065g → .100l							
95000180	BY104 ROTARY	7 SAMPLE	S96T000373	0	DOSE-02	SOLID	N/A	8		mrad/hour
95000180	BY104 ROTARY	8 DUP	S96T000373	0 W	H2ODIG01	SOLID	5.0650	5.6420	N/A	g/L
			.5642g → .100l							
95000180	BY104 ROTARY	9 DUP	S96T000373	0	DOSE-02	SOLID	8	8	N/A	mrad/hour

Final page for worklist # 5507

[signature] 2-14-96
Analyst Signature **Date**

[signature] 2-15-96
Analyst Signature **Date**

S96T000378 → 81
372 → 73

Reviewed by RK Fuller 2/15/96

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4276

Analyst: CNM **Instrument:** ACD01 SN16355 **Book #** WHC1/GY3 WHC1 HAC WHC2/L3 MWHC2 NA

Method: LA-505-159 Rev/Mod D.C

Worklist Comment: BY-104 C116 Seg 4b,4c,5a,5b,5c,5d Acid Digest rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				ACIDIG01	SOLID	1	.050	N/A	g/L
		2	STD-PREP				ACIDIG01	SOLID	20	20	N/A	D.F 12 20 95 ~~g/L~~
95000180	BY104 ROTARY	3	SAMPLE	S95T003667	0	A	ACIDIG01	SOLID	N/A	5.3760		g/L
			.2635g → .050 l									
95000180	BY104 ROTARY	4	SAMPLE	S95T003667	0	A	DOSE-02	SOLID	N/A	5		mrad/hour
95000180	BY104 ROTARY	5	DUP	S95T003667	0	A	ACIDIG01	SOLID	5.3760	5.0200	N/A	g/L
			.2510g → .050 l									
95000180	BY104 ROTARY	6	DUP	S95T003667	0	A	DOSE-02	SOLID	5	5	N/A	mrad/hour
95000180	BY104 ROTARY	7	SPK	S95T003667	0	A	ACIDIG01	SOLID	20	20	N/A	D.F. 12-20-95 ~~g/L~~ 5.0180 g/l
			.2524g → .050 l									
95000180	BY104 ROTARY	8	SPK	S95T003667	0	A	DOSE-02	SOLID	NA	6	N/A	mrad/hour
95000180	BY104 ROTARY	9	SAMPLE	S95T003668	0	A	ACIDIG01	SOLID	N/A	5.1200		g/L
			.2560g → .050 l									
95000180	BY104 ROTARY	10	SAMPLE	S95T003668	0	A	DOSE-02	SOLID	N/A	7		mrad/hour
95000180	BY104 ROTARY	11	DUP	S95T003668	0	A	ACIDIG01	SOLID	5.1200	5.0440	N/A	g/L
			.2547g → .050 l									
95000180	BY104 ROTARY	12	DUP	S95T003668	0	A	DOSE-02	SOLID	7	6	N/A	mrad/hour
95000180	BY104 ROTARY	13	SAMPLE	S95T003669	0	A	ACIDIG01	SOLID	N/A	5.4440		g/L
			.2722g → .050 l									
95000180	BY104 ROTARY	14	SAMPLE	S95T003669	0	A	DOSE-02	SOLID	N/A	6		mrad/hour
95000180	BY104 ROTARY	15	DUP	S95T003669	0	A	ACIDIG01	SOLID	5.4440	5.6920	N/A	g/L
			.2846g → .050 l									
95000180	BY104 ROTARY	16	DUP	S95T003669	0	A	DOSE-02	SOLID	6	6	N/A	mrad/hour
95000180	BY104 ROTARY	17	SAMPLE	S95T003670	0	A	ACIDIG01	SOLID	N/A	5.6920		g/L
			.2826g → .050 l									
95000180	BY104 ROTARY	18	SAMPLE	S95T003670	0	A	DOSE-02	SOLID	N/A	6		mrad/hour

Data Entry Comments: <1% DEW(?)
HPT was Sig Number

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4276

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
95000180	BY104 ROTARY	19	DUP	S95T003670	0	A	ACIDIG01	SOLID	5.6520	5.7280	N/A	g/L
				.2564g → .0501								
95000180	BY104 ROTARY	20	DUP	S95T003670	0	A	DOSE-02	SOLID	6	6	N/A	mrad/hour
95000180	BY104 ROTARY	21	SAMPLE	S95T003671	0	A	ACIDIG01	SOLID	N/A	5.4520		g/L
				.2726g → .0501								
95000180	BY104 ROTARY	22	SAMPLE	S95T003671	0	A	DOSE-02	SOLID	N/A	7		mrad/hour
95000180	BY104 ROTARY	23	DUP	S95T003671	0	A	ACIDIG01	SOLID	5.4520	5.5540	N/A	g/L
				.2767g → .0501								
95000180	BY104 ROTARY	24	DUP	S95T003671	0	A	DOSE-02	SOLID	7	5	N/A	mrad/hour
95000180	BY104 ROTARY	25	SAMPLE	S95T003672	0	A	ACIDIG01	SOLID	N/A	5.0740		g/L
				.2537g → .0501								
95000180	BY104 ROTARY	26	SAMPLE	S95T003672	0	A	DOSE-02	SOLID	N/A	6		mrad/hour
95000180	BY104 ROTARY	27	DUP	S95T003672	0	A	ACIDIG01	SOLID	5.0740	5.3560	N/A	g/L
				.2678g → .0501								
95000180	BY104 ROTARY	28	DUP	S95T003672	0	A	DOSE-02	SOLID	6	7	N/A	mrad/hour

Final page for worklist # 4276

Analyst Signature Date 12-27-95

Analyst Signature Date 12-27-95

Reviewed by RK Miller 12/27/95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4278

Analyst: [illegible] **Instrument:** ACD01 SD116355 **Book #** WHC1A/GA.WHC1AN10 W1HC2/L3MWHC2N15

Method: LA-505-159 Rev/Mod D-0

Worklist Comment: BY-104 C116 Seg 6a,6b,6c,6d,7a,7b Acid Digest rkf

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	BLNK-PREP				ACIDIG01	SOLID	1	.050	N/A	g/L
		2	STD-PREP				ACIDIG01	SOLID	20	20	N/A	D.F. 12-20-95 BAM ~~g/L~~
95000180	BY104 ROTARY	3	SAMPLE	S95T003673	0	A	ACIDIG01	SOLID	N/A	5.1420		g/L
			.2571g → .050l									
95000180	BY104 ROTARY	4	SAMPLE	S95T003673	0	A	DOSE-02	SOLID	N/A	5		mrad/hour
95000180	BY104 ROTARY	5	DUP	S95T003673	0	A	ACIDIG01	SOLID	5.1420	5.2100	N/A	g/L
			.2605g → .050l									
95000180	BY104 ROTARY	6	DUP	S95T003673	0	A	DOSE-02	SOLID	5	5	N/A	mrad/hour
95000180	BY104 ROTARY	7	SPK	S95T003673	0	A	ACIDIG01	SOLID	20	20	N/A	D.F. 12-20-95 BAM ~~g/L~~ 5.2080g/l
			.2604g → .050l									
95000180	BY104 ROTARY	8	SPK	S95T003673	0	A	DOSE-02	SOLID	NA	5	N/A	mrad/hour
95000180	BY104 ROTARY	9	SAMPLE	S95T003674	0	A	ACIDIG01	SOLID	N/A	5.6520		g/L
			.2826g → .050l									
95000180	BY104 ROTARY	10	SAMPLE	S95T003674	0	A	DOSE-02	SOLID	N/A	5		mrad/hour
95000180	BY104 ROTARY	11	DUP	S95T003674	0	A	ACIDIG01	SOLID	5.6520	5.5600	N/A	g/L
			.2786g → .050l									
95000180	BY104 ROTARY	12	DUP	S95T003674	0	A	DOSE-02	SOLID	5	5	N/A	mrad/hour
95000180	BY104 ROTARY	13	SAMPLE	S95T003675	0	A	ACIDIG01	SOLID	N/A	4.9960		g/L
			.2495g → .050l									
95000180	BY104 ROTARY	14	SAMPLE	S95T003675	0	A	DOSE-02	SOLID	N/A	4		mrad/hour
95000180	BY104 ROTARY	15	DUP	S95T003675	0	A	ACIDIG01	SOLID	4.9960	4.9720	N/A	g/L
			.2486g → .050l									
95000180	BY104 ROTARY	16	DUP	S95T003675	0	A	DOSE-02	SOLID	4	4	N/A	mrad/hour
95000180	BY104 ROTARY	17	SAMPLE	S95T003676	0	A	ACIDIG01	SOLID	N/A	5.0900		g/L
			.2545g → .050l									
95000180	BY104 ROTARY	18	SAMPLE	S95T003676	0	A	DOSE-02	SOLID	N/A	7		mrad/hour

Data Entry Comments: <10% solids

HPT was Sig Higher

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